TOSHIBA

OWNER'S MANUAL

LCD TV/DVD Combination

COLORSTREAM® HD CINEMA SERIES HD

DOLBY DIGITAL SRS WOW TV GUIDE HDTV HDMI

DVD COMPACT DISC DIGITAL VIDEO

Note: A high definition tuner and programming are required to view High Definition TV broadcasts. Please contact your cable or satellite provider.

For an overview of steps for setting up and using your new TV, see page 11.

32HLX95
37HLX95

Owner's Record

The model number and serial number are on the back of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number: ______

Serial number: ______

YC/M 23566698

Dear Customer,

Thank you for purchasing this Toshiba LCD TV/DVD Combination. This manual will help you use the many exciting features of your new TV. **Before operating the TV/DVD, please read this manual completely**, and keep it nearby for future reference.

Safety Precautions

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.

The exclamation mark in the triangle tells you that important operating and maintenance instructions follow this symbol.

WARNING

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions. (See item 19 on page 3.)

WARNING: Always use the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television. The use of any wall bracket other than the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television could result in serious bodily injury and/or property damage.

In the U.S.:

Use Toshiba wall bracket model number **FWB3250**. For more information, call TACP's Consumer Solutions Center at 1-800-631-3811 or visit TACP's website at **www.tacp.toshiba.com.**

In Canada:

Call TCL's Customer Service Department at 1-800-268-3404.

The DVD player contained in this TV contains a laser beam. Do not attempt to stare at the beam through the TV disc tray or the ventilation openings. Staring directly at the beam may cause permanent damage to your eyesight.

NOTE TO CATV INSTALLERS

This is a reminder to call the CATV system installer's attention to Article 820-40 of the U.S. NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. For additional antenna grounding information, see items 25 and 26 on page 4.

CAUTION

The DVD player contained in this TV contains a Laser System. To ensure proper use of this TV and the DVD player contained therein, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service location. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible and invisible laser radiation when open and interlocks defeated. DO NOT STARE INTO BEAM.

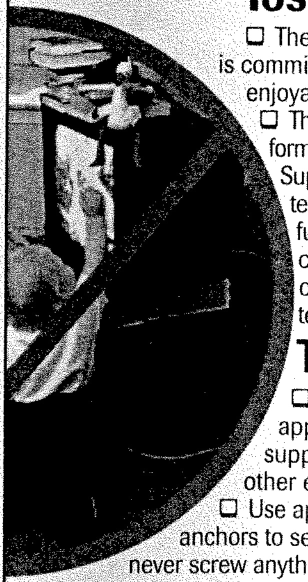
Child Safety

It Makes A Difference Where Your TV Stands

Congratulations on your purchase! As you enjoy your new TV, keep these safety tips in mind:

The Issue

- ☐ If you are like most consumers, you have a TV in your home. Many homes, in fact, have more than one TV.
- ☐ The home theater entertainment experience is a growing trend, and larger TVs are popular purchases; however, they are not always supported on the proper TV stands.
- ☐ Sometimes TVs are improperly secured or inappropriately situated on dressers, bookcases, shelves, desks, audio speakers, chests, or carts. As a result, TVs may fall over, causing unnecessary injury.



Toshiba Cares!

- ☐ The consumer electronics industry is committed to making home entertainment enjoyable and safe.
- ☐ The Consumer Electronics Association formed the Home Entertainment Support Safety Committee, comprised of television and consumer electronics furniture manufacturers, to advocate children's safety and educate consumers and their families about television safety.

Tune Into Safety

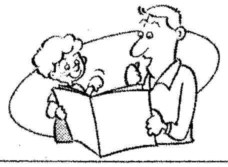
- ☐ One size does NOT fit all! Use appropriate furniture large enough to support the weight of your TV (and other electronic components).
- ☐ Use appropriate angle braces, straps, and anchors to secure your furniture to the wall (but never screw anything directly into the TV).
- ☐ Carefully read and understand the other enclosed instructions for proper use of this product.
- ☐ Do not allow children to climb on or play with furniture and TVs.
- ☐ Avoid placing any item on top of your TV (such as a VCR, remote control, or toy) that a curious child may reach for.
- ☐ Remember that children can become excited while watching a program and can potentially push or pull a TV over.
- ☐ Share our safety message about this hidden hazard of the home with your family and friends. Thank you!

CEA
Consumer Electronics Association

2500 Wilson Blvd.
Arlington, VA 22201 U.S.A.
Tel. 703-907-7600 Fax 703-907-7690
www.CE.org

CEA is the Sponsor, Producer and Manager of the International CES®

Important Safety Instructions



1) **Read these instructions.**
2) **Keep these instructions.**
3) **Heed all warnings.**
4) **Follow all instructions.**

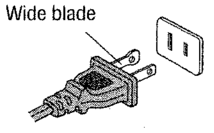
5) **Do not use this apparatus near water.**

6) **Clean only with dry cloth.**

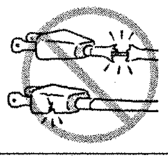
7) **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.

8) **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) **Do not defeat the safety purpose of the polarized or grounding type plug.** A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

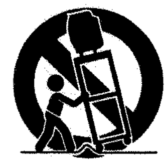


10) **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

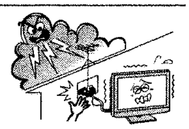


11) **Only use attachments/accessories specified by the manufacturer.**

12) **Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.** When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13) **Unplug this apparatus during lightning storms or when unused for long periods of time.**



14) **Refer all servicing to qualified service personnel.** Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

14a) **CAUTION:** If the TV is dropped and the cabinet or enclosure surface has been damaged or the TV does not operate normally, take the following precautions:

- ALWAYS turn off the TV and unplug the power cord to avoid possible electric shock or fire.
- NEVER allow your body to come in contact with any broken glass or liquid from the damaged TV. The LCD panel inside the TV contains glass and a toxic liquid. If the liquid comes in contact with your mouth or eyes, or your skin is cut by broken glass, rinse the affected area thoroughly with water and consult your doctor.
- ALWAYS contact a service technician to inspect the TV any time it has been damaged or dropped.

15) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

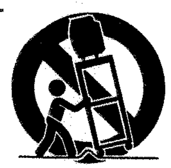
Installation, Care, and Service

Installation

Follow these recommendations and precautions and heed all warnings when installing your TV:

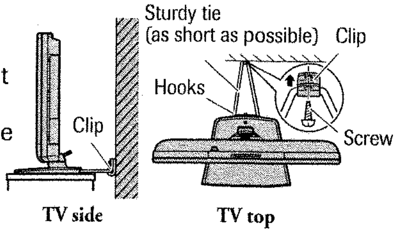
16) Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.

17) ⚠ **DANGER: RISK OF SERIOUS PERSONAL INJURY, DEATH, OR EQUIPMENT DAMAGE!** Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.



18) Never place items such as vases, aquariums, or candles on top of the TV.

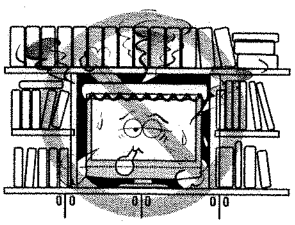
19) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit. To secure the TV, use a sturdy tie from the hooks on the rear of the TV pedestal to a wall, pillar, or other immovable structure. Make sure the tie is tight, secure, and parallel to the floor.



20) Never expose the apparatus to dripping or splashing liquid or place items such as vases, aquariums, any other item filled with liquid, or candles on top of the TV.

21) Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:

- on a bed, sofa, rug, or similar surface;
- too close to drapes, curtains, or walls; or
- in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.

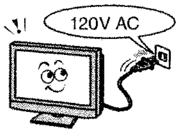


The slots and openings are provided to protect the TV from overheating and to help maintain reliable operation of the TV. Leave a space of at least 4 inches around the TV (5 inches away from the TV slot side).

22) Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.

23) Never overload wall outlets and extension cords.

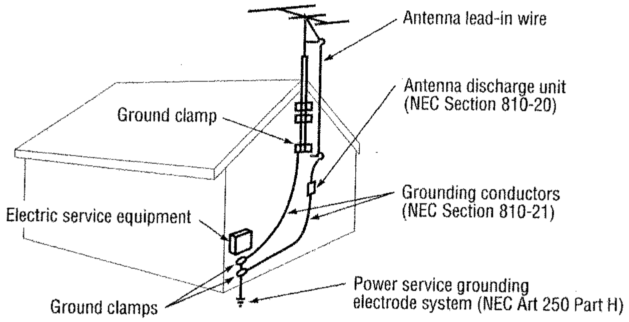
24) Always operate the TV with a 120V AC, 60Hz power source only.



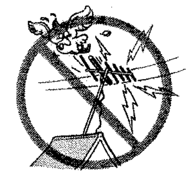
CAUTION: To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.

Installation *(cont. from previous page)*

25) Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges (see Section 810 of the National Electric Code).


Antenna lead-in wire
Antenna discharge unit (NEC Section 810-20)
Ground clamp
Grounding conductors (NEC Section 810-21)
Electric service equipment
Power service grounding electrode system (NEC Art 250 Part H)
Ground clamps

26) **DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH!**
• Use extreme care to make sure you are never in a position where your body (or any item you are in contact with, such as a ladder or screwdriver) can accidentally touch overhead power lines. Never locate the antenna near overhead power lines or other electrical circuits.
• Never attempt to install any of the following during lightning activity:
a) an antenna system; or b) cables, wires, or any home theater component connected to an antenna or phone system.

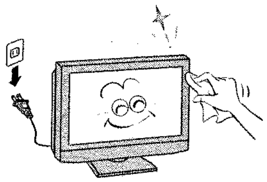


Care

For better performance and safer operation of your TOSHIBA TV, follow these recommendations and precautions:

27) If you use the TV in a room whose temperature is 32 °F (0 °C) or below, the picture brightness may vary until the LCD warms up. This is not a sign of malfunction.

28) Always unplug the TV before cleaning. Gently wipe the display panel surface (the TV screen) using dry, soft cloth only (cotton, flannel, etc.). A hard cloth may damage the surface of the panel. Avoid contact with alcohol, thinner, benzene, acidic or alkaline solvent cleaners, abrasive cleaners, or chemical cloths, which may damage the surface. Never spray volatile compounds such as insecticide on the cabinet. Such products may damage or discolor the cabinet.



29) To avoid damage to this product, never place or store the TV in direct sunlight; hot, humid areas; or areas subject to excessive dust or vibration.

Care *(cont. from previous column)*

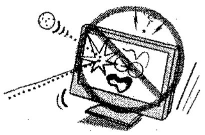
30) **WARNING: RISK OF ELECTRIC SHOCK!**
Never spill liquids or push objects of any kind into the TV cabinet slots.

31) While it is thundering, do not touch the connecting cables or apparatus.

32) For added protection of your TV from lightning and power surges, always unplug the power cord and disconnect the antenna from the TV if you leave the TV unattended or unused for long periods of time.

33) During normal use, the TV may make occasional snapping or popping sounds. This is normal, especially when the unit is being turned on or off. If these sounds become frequent or continuous, unplug the power cord and contact a Toshiba Authorized Service Center.

34) **WARNING: RISK OF SERIOUS PERSONAL INJURY OR EQUIPMENT DAMAGE !**
Never strike the screen with a sharp or heavy object.



35) • The LCD screen in this product can be damaged by ultraviolet radiation from the sun. When selecting a location for the television, avoid locations where the screen may be exposed to direct sunlight, such as in front of a window.

• Never touch, press, or place anything on the LCD screen. These actions will damage the LCD screen. If you need to clean the LCD screen, follow the instructions in item 28 on this page.

Service

36) **WARNING: RISK OF ELECTRIC SHOCK!**
Never attempt to service the TV yourself. Opening and removing the covers (except as specified herein) may expose you to dangerous voltage or other hazards. Refer all servicing to a Toshiba Authorized Service Center.

37) If you have the TV serviced:

- Ask the service technician to use only replacement parts specified by the manufacturer.
- Upon completion of service, ask the service technician to perform routine safety checks to determine that the TV is in safe operating condition.

38) The cold cathode fluorescent lamp in the LCD panel contains a small amount of mercury.
When the TV reaches the end of its useful life, dispose of the used TV by the approved method for your area, or ask a qualified service technician to properly dispose of the TV.

Note: The lamp unit contains mercury, the disposal of which may be regulated due to environmental considerations. For disposal or recycling information, contact your local authorities or the Electronics Industries Alliance (www.eiae.org).

Important notes about your LCD TV/DVD Combination

The following symptoms are technical limitations of LCD display technology and are not an indication of malfunction. Therefore, Toshiba is not responsible for perceived issues resulting from these symptoms.

1) An afterimage (ghost) may appear on the screen if a fixed, non-moving image is displayed for a long period of time. The afterimage is not permanent and will disappear in a short period of time.

2) The LCD panel contained in this TV is manufactured using an extremely high level of precision technology; however, there may be an occasional pixel (dot of light) that does not operate properly (does not light, remains constantly lit, etc.). This is a structural property of LCD technology, is not a sign of malfunction, and is not covered under your warranty. Such pixels are not visible when the picture is viewed from a normal viewing distance.

Note: Interactive video games that involve shooting a "gun" type of joystick at an on-screen target may not work on this TV.

Safety instructions (DVD player section)

DISC SLOT

- Keep your fingers well clear of the disc slot when disc is loading or unloading. Neglecting to do so may cause personal injury.

LASER BEAM

- Do not look into the opening of the disc slot or ventilation opening of the product to see the source of the laser beam. It may cause sight damage.

DISC

- Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

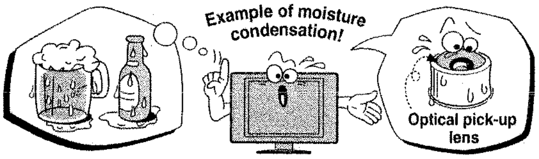
Precautions

VIBRATION

- Vibration or shock may disrupt DVD playback or cause scratches on the disc. Do not move or tilt or otherwise jolt the set when a disc is loaded. The playback sound may skip if the TV is dropped from a height of 4 cm or more or if the set is installed at a greater angle than recommended.

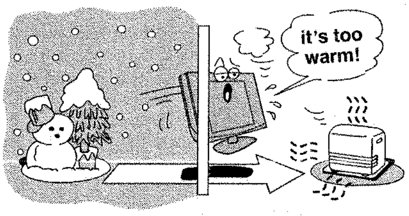
Notes on moisture condensation

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside the DVD player, one of the most crucial internal parts of the DVD player.



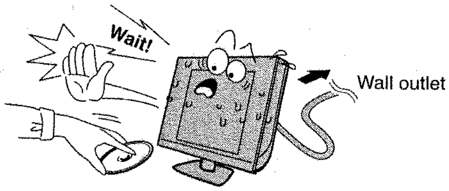
Moisture condensation occurs during the following cases.

- When you bring the TV directly from a cold place to a warm place.
- When you put the TV in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the TV.
- In summer, when you put the TV in a hot and humid place just after you move the TV from an air conditioned room.
- When you put the TV in a humid place.


it's too warm!

Do not use the TV when moisture condensation may occur.

If you use the TV in such a situation, it may damage discs and internal parts. Connect the power cord of the TV to the wall outlet, turn on the TV, remove the disc, and leave it (or watch a TV program) for two or three hours. After two or three hours, the TV will have warmed up and evaporated any moisture. Keep the TV connected to the wall outlet and moisture condensation will seldom occur.

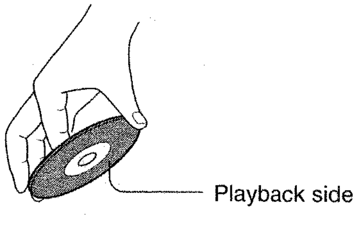


Notes on discs (DVD player section)

On handling discs

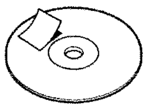
- Do not touch the playback side of the disc.
  For example, handle the disc as shown in figure below.

DO



- Do not attach paper or tape to discs.

DO NOT

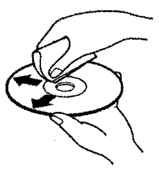


Notes on discs *(cont. from previous page)*

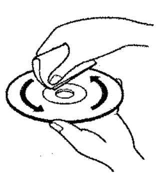
On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.

DO



DO NOT



- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

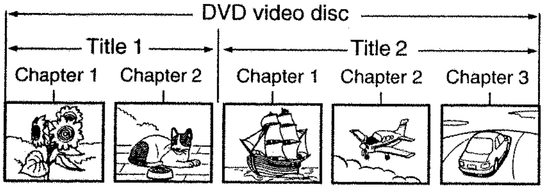
On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

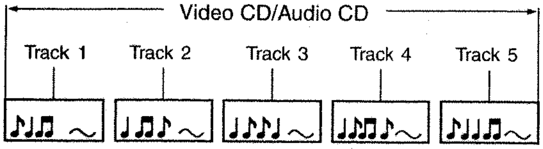
Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. Video CDs and Audio CDs are divided into tracks.

DVD video disc



Video CD/Audio CD



Each title, chapter or track is assigned a number, which is called "title number", "chapter number" or "track number" respectively.

There may be discs that do not have these numbers.

Notes on copyright

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

About this owner's manual (DVD player section)

This owner's manual explains the basic instructions for using the internal DVD player. Some DVDs are produced in a manner that allows specific or limited operation during playback. As such, the DVD player may not respond to all operating commands. This is not a defect in the DVD player.
Refer to the instructions provided with your DVDs.

If the symbol "✋" appears on-screen during DVD operation, it means that the operation or feature is not permitted or available for the DVD player or disc.

For example, sometimes the DVD player is unable to stop playback of the DVD's copyright message when the STOP (■) button is pressed.

Notes on region numbers

The region number of this DVD player of the TV is 1. If region numbers, which stand for their playable area, are printed on your DVD video disc and you do not find 1 or ALL, disc playback will not be allowed by the player. (In this case, the TV will display a message on-screen.)

Some DVDs that have no region code label may still be subject to area restrictions and therefore not playable.

On Video CDs

The DVD player of the TV supports Video CDs equipped with the PBC (Version 2.0) function. (PBC is the abbreviation of Playback Control.) You can enjoy two playback variations depending on types of discs.

- **Video CD not equipped with PBC function (Version 1.1)**

  Sound and movie can be played on this DVD player of the TV in the same way as an audio CD.

- **Video CD equipped with PBC function (Version 2.0)**

  In addition to operation of a Video CD not equipped with the PBC function, you can enjoy playback of interactive software with search function by using the menu displayed on the TV screen (Menu Playback).
  Some of the functions described in this owner's manual may not work with some discs.

Playable discs

Only use standard 12 cm (4.75") discs with this model. Inserting any disc other than a standard 12 cm (4.75") diameter disc into the built-in DVD player (including but not limited to square discs and mini 8 cm discs with or without an adapter) may damage the disc,TV, and/or built-in DVD player. This type of damage is NOT covered under your Toshiba warranty.

This DVD player can play the following discs.

	Disc Mark	Contents	Disc Size	Maximum playback time
DVD video discs	DVD VIDEO™ DVD VIDEO™	Audio + Video (moving pictures)	12 cm	Approx. 4 hours (single sided disc) Approx. 8 hours (double sided disc)
Video CDs	COMPACT disc DIGITAL VIDEO	Audio + Video (moving pictures)	12 cm	Approx. 74 minutes
Audio CDs	COMPACT disc DIGITAL AUDIO	Audio	12 cm	Approx. 74 minutes

The following discs are also available.

- DVD-R/RW discs of DVD video format
- CD-R/CD-RW discs of CD-DA, Video CD, MP3, or JPEG format
- Kodak Picture CD and FUJICOLOR CD format

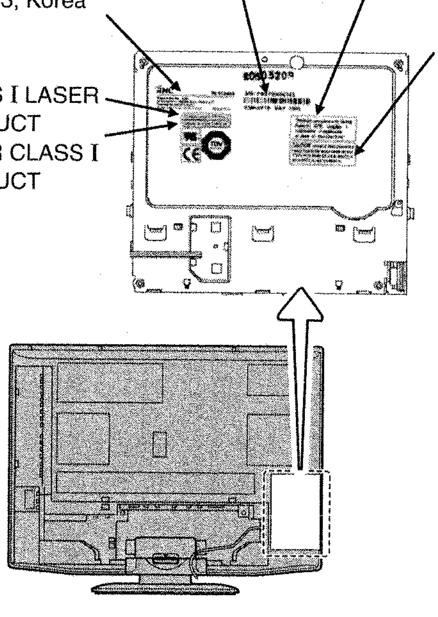
Some of these discs may be incompatible.

- You cannot play discs other than those listed above. You cannot play discs of DVD-RAM, DVD-ROM, Photo CD, etc., or non standardized discs even if they may be labeled as above.
- Some CD-R/RWs cannot be played back depending on the recording conditions.
- This TV uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.).

Because of problems and errors that can occur during the creation of DVD and CD software and/or the manufacture of DVD and CD discs, Toshiba cannot guarantee that the DVD player contained in this TV will play every feature of every DVD bearing the DVD logo and/or every CD bearing the CD logo. As one of the creators of DVD technology, Toshiba manufactures its DVD players using the highest standards of quality and, as a result, such incompatibilities are rare. If you happen to experience any difficulty playing a DVD or CD on the DVD player contained in this TV, please feel free to contact us via the methods listed in the "How to Obtain Warranty Services" sections on pages 97 and 98 (as applicable).

CAUTION:
THIS DIGITAL VIDEO PLAYER EMPLOYS A LASER SYSTEM. TO ENSURE PROPER USE OF THIS PRODUCT, PLEASE READ THIS OWNER'S MANUAL CAREFULLY AND RETAIN FOR FUTURE REFERENCE. SHOULD THE UNIT REQUIRE MAINTENANCE, CONTACT AN AUTHORIZED SERVICE LOCATION.
USE OF CONTROLS, ADJUSTMENTS OR THE PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
TO PREVENT DIRECT EXPOSURE TO LASER BEAM, DO NOT TRY TO OPEN THE ENCLOSURE. VISIBLE LASER RADIATION MAY BE PRESENT WHEN THE ENCLOSURE IS OPENED. DO NOT STARE INTO THE BEAM.

Location of the required label



RMC RL-SL2003
Raymedia Co.,Ltd.
65 Youngchun-ri,
Dongtan-myun,
Hwasung-Si
Gyeonggi-do,
445-813, Korea

S/N: FBCF500*****

F/W=KF10 ****200*

"Product complies with DHHS Rules-21 CFR chapter 1. Subchapter J-applicable At date of manufacture "

CAUTION-VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

CLASS I LASER PRODUCT
LASER CLASS I PRODUCT

FCC Declaration of Conformity Compliance Statement (Part 15):

The **Toshiba 32HLX95/37HLX95 LCD Color Televisions** comply with Part 15 of the FCC rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference that may cause undesired operation.

The party responsible for compliance to these rules is:
Toshiba America Consumer Products, L.L.C.
82 Totowa Rd. Wayne, NJ 07470.
Ph: (973) 628-8000

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by removing and applying power to the equipment, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this equipment not expressly approved by Toshiba could void the user's authority to operate this equipment.

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1 Introduction

Welcome to Toshiba

Thank you for purchasing this Toshiba LCD TV/DVD combination, one of the innovative LCD TVs on the market.
The goal of this manual is to guide you through setting up and operating your TV as quickly as possible.

- Instructions in this manual are based on using the remote control. You also can use the controls on the TV top panel if they have the same name as those referred to on the remote control.
- The side panel and back panel provide terminals for connecting other equipment to your TV. See page 12 for top panel and side panel details. See page 13 for back panel details. See pages 15–24 for instructions on connecting other devices to your TV.
- **Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.**

See "Important notes about your LCD TV/DVD Combination" on page 5.

Features of your new TV

The following are just a few of the many exciting features of your new Toshiba widescreen, integrated HD, LCD TV:

- **Integrated digital tuning (8VSB ATSC and QAM)** eliminates the need for a separate digital converter set-top box (in most cases).
- **TV Guide On Screen™** no-fee interactive program guide (Chapters 5 and 7).
- **Digital CableCARD™** slot for viewing encrypted digital Cable TV programs (page 15).
- **HDMI (DVI)** digital, high-definition multimedia interface (page 21).
- **ColorStream® HD** high-resolution component video inputs (pages 18 and 19).
- **Dolby Digital*** (page 22) and **SRS WOW™** (page 76) audio technologies.
- **Digital Audio Out** optical audio connection (page 22).
- **CableClear® DNR** digital picture noise reduction (page 70).
- DVD video (and Video CD, Audio CD) player (page 84).
- Personal Computer (Analog RGB 15-pin) interface (page 24).

Note: After you set up the TV Guide On Screen™ system (Chapter 5), the program guide opens automatically by default when you turn on the TV. You can turn off the automatic program guide (page 38) and instead press the TV GUIDE button on the remote control to manually open the program guide.

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  WOW technology is incorporated under license from SRS Labs, Inc.
- *Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- CableCARD™ is a trademark of Cable Television Laboratories, Inc.

Overview of steps for installing, setting up, and using your new TV

Follow these steps to set up your new LCD TV and begin using its many exciting features.

1. **Carefully read the important safety, installation, care, and service information on pages 2–7. Keep this manual for future reference.**
2. **Observe the following when choosing a location for the TV:**
   - Place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit. Secure the TV to a wall, pillar, or other immovable structure as described on page. 3, item 19.
   - Place the TV far enough from walls and other objects to allow proper ventilation. Inadequate ventilation may cause overheating, which will damage the TV. THIS TYPE OF DAMAGE IS NOT COVERED UNDER THE TOSHIBA WARRANTY.
   - The disc slot side should be far enough from walls and other objects to allow loading/unloading a disc.
   - Read "Installation" on pages 3-4.
   - Read "Important notes about your LCD TV/DVD Combination" on page 5.
3. **Do not plug in any power cords** until AFTER you have connected all cables and devices to your TV.
4. **BEFORE connecting cables or devices to the TV, learn the functions** of the TV's connections and controls (pages 12 and 13).
5. **Connect your other electronic device(s) to the TV** (pages 15-24).
6. **Connect the G-LINK™ cable** (either one of the enclosed IR blaster cables) from your VCR and/or Cable box (if applicable) to the G-LINK™ terminal so you can use the TV Guide On Screen™ features (applies to VCRs and cable boxes only). See page 23.
7. **Install the batteries in the remote control** (page 26).
8. **See "Learning about the remote control"** (page 25) **for an overview of the buttons on the remote control.**
9. **Program the remote control to operate your other device(s)** (pages 29-30).
10. **AFTER connecting all cables and devices, plug in the power cords** for your TV and other devices. The message "Now Booting..." will display on-screen until the picture appears or the green LED will blink until the TV enters standby mode.
    When the TV is in standby mode, press POWER on the top panel or remote control to turn on the TV.
    When the TV is in standby mode, press POWER panel or remote control to turn on the TV.

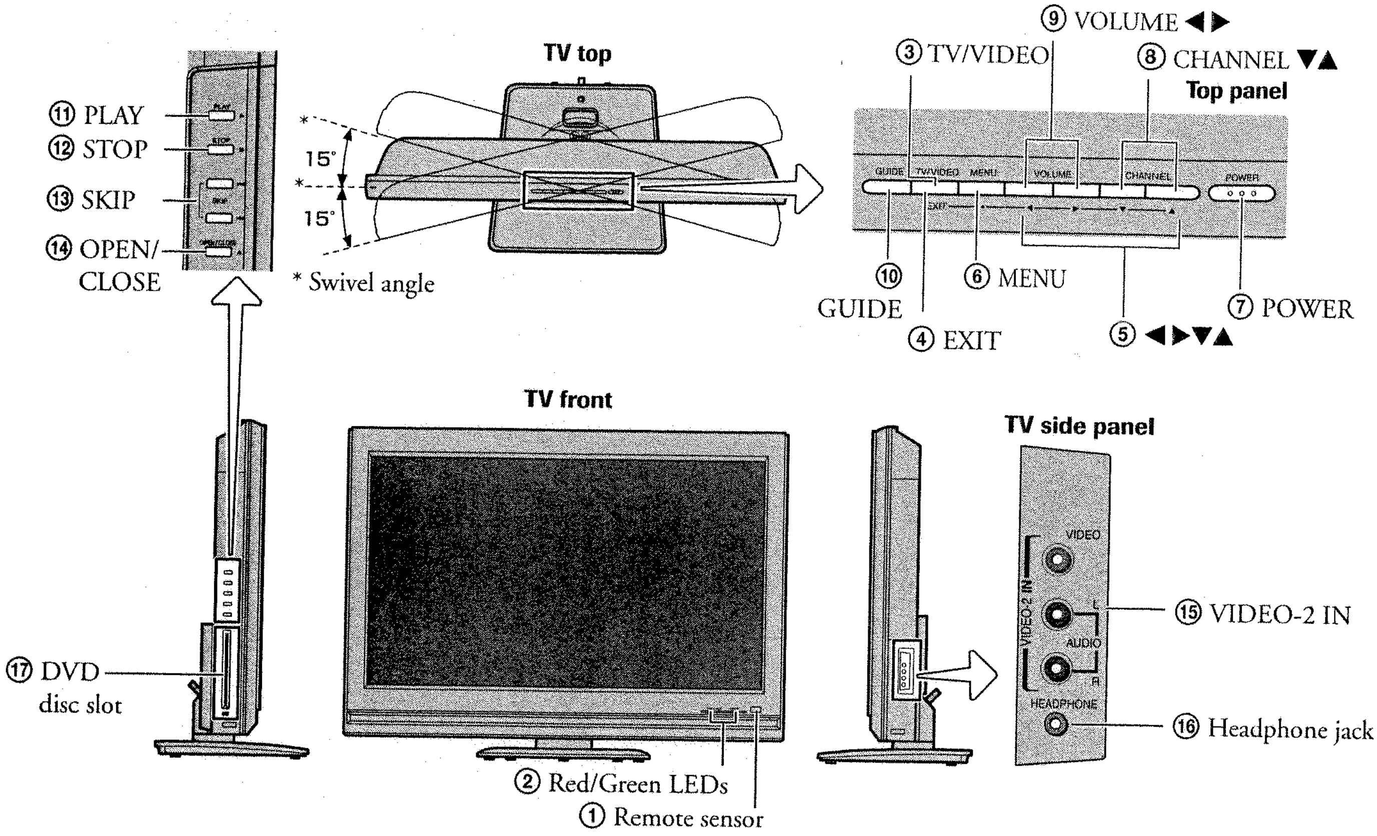
If the TV stops responding to the controls on the remote control or top panel and you cannot turn the TV off or on, press and hold POWER for 5 seconds to reset the TV.

11. **See "Menu layout and navigation" for a quick overview of navigating the TV's menu structure** (pages 33–34).
12. **See Chapter 5 for details on setting up the TV Guide On Screen™ system** (if available in your area).
13. **See Chapter 7 for details on using the TV Guide On Screen™ program guide** (if available in your area).
    - *When using the TV Guide On Screen™ system to record a program for the first time, it is recommended that you perform a test recording to make sure your system is set up properly.*
    - *If the power cord is unplugged for an extended period of time, it may take up to 24 hours with the TV in standby mode (power cord plugged in and power OFF) to download the entire TV Guide On Screen™ program schedule. It may take up to a week before an entire program schedule is available. Be sure to follow the instructions under "TV Guide On Screen™ Reminder" on page 38.*
14. **Program channels into the TV's channel memory** (page 40).
15. **For details on using the TV's features, see Chapter 8.**
16. **For details on using the DVD player's features, see Chapter 10.**
17. **For help, refer to the Troubleshooting Guide (Chapter 11).**
18. **For technical specifications and warranty information, see Chapter 12.**
19. **Enjoy your new LCD TV/DVD!**

Note: *If you sell or transfer this television to a third party, be sure to reset the PIN code as described on page 80 under the heading, "If you cannot remember your PIN code."*

② Connecting your TV

TV top panel and side panel controls and connections


⑨ VOLUME ◀▶
③ TV/VIDEO
⑧ CHANNEL ▼▲
Top panel
TV top
⑪ PLAY
⑫ STOP
⑬ SKIP
⑭ OPEN/CLOSE
15°
15°
* Swivel angle
GUIDE
TV/VIDEO
MENU
VOLUME
CHANNEL
POWER
EXIT
⑩ GUIDE
⑥ MENU
④ EXIT
⑤ ◀▶▼▲
⑦ POWER
TV front
TV side panel
VIDEO
VIDEO-2 IN
L
AUDIO
R
HEADPHONE
⑮ VIDEO-2 IN
⑯ Headphone jack
⑰ DVD disc slot
② Red/Green LEDs
① Remote sensor

① **Remote sensor** — Point the remote control toward this remote sensor. See "Remote control effective range" on page 25.

② **Red and Green LEDs**
Red — Power indicator
Green — Timer recording indicator

③ **TV/VIDEO** — Repeatedly press to change the source you are viewing (ANT 1, DVD, VIDEO 1, VIDEO 2, ColorStream HD 1, ColorStream HD 2, HDMI, PC, ANT2).

④ **EXIT** — Press to close an on-screen menu instantly.

⑤ **ARROWS ◀▶▲▼** — When a menu is on-screen, these buttons function as left/right/up/down menu navigation buttons.

⑥ **MENU** — Press to access the menu system (see page 33).

⑦ **POWER** — Press to turn the TV on and off.

Note: If the TV stops responding to the controls on the remote control or TV front panel and you cannot turn off the TV, press this button for 5 seconds or longer to reset the TV.

⑧ **CHANNEL ▼▲** — When no menu is on-screen, these buttons change the channel (programmed channels only; see page 40). When a menu is on-screen, these buttons function as up/down menu navigation buttons.

⑨ **VOLUME ◀▶** — When no menu is on-screen, these buttons adjust the volume level. When a menu is on-screen, these buttons function as left/right menu navigation buttons.

⑩ **GUIDE** — Press to access the TV Guide On Screen™ program guide. (See page 46 for details on using the program guide.)

⑪ **PLAY** — Press to play a DVD video disc, or other playable disc.

⑫ **STOP** — Press to stop a DVD video disc, or other playable disc.

⑬ **SKIP** — Press to skip DVD chapter, or CD track.

⑭ **OPEN/CLOSE** — Press to eject a disc.

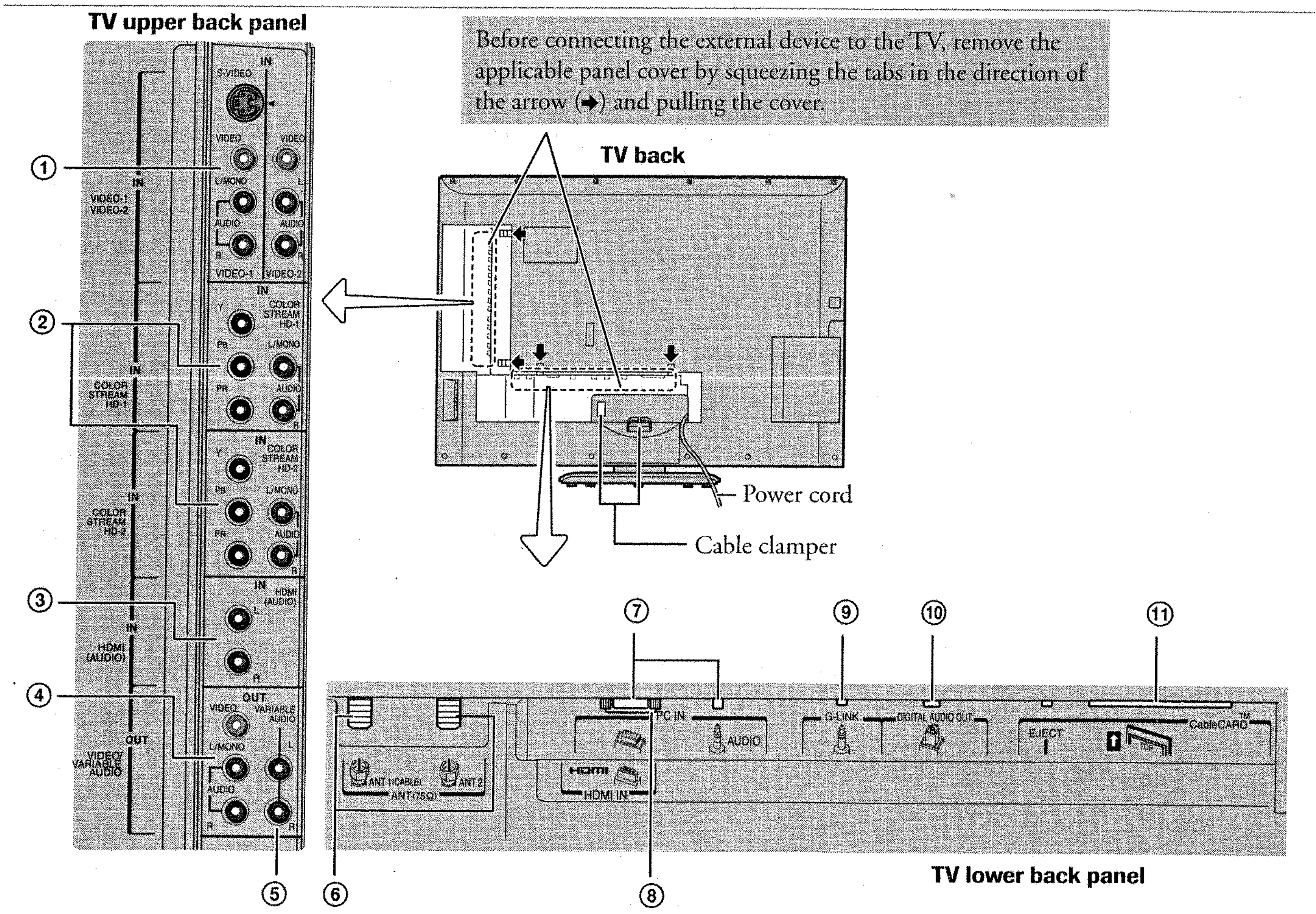
⑮ **VIDEO-2 IN** — Standard composite video and standard audio inputs for connecting a device with composite video.

⑯ **Headphone jack** — For use with headphones.

Note: When the Headphone jack is being used, the sound from all speakers will be muted, and normal sound will be output to the headphones only.

⑰ **DVD disc slot** — Insert a playable disc to play.

TV back panel connections


TV upper back panel
IN
S-VIDEO
VIDEO
L/MONO
AUDIO
R
VIDEO-1
VIDEO-2
IN VIDEO-1 VIDEO-2
COLOR STREAM HD-1
Y
PB
PR
COLOR STREAM HD-2
HDMI (AUDIO)
L
R
OUT
VIDEO/ VARIABLE AUDIO
TV back
Power cord
Cable clamper
ANT 1(CABLE)
ANT 2
ANT(75Ω)
PC IN
AUDIO
HDMI IN
G-LINK
DIGITAL AUDIO OUT
EJECT
CableCARD™
TV lower back panel
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪

Before connecting the external device to the TV, remove the applicable panel cover by squeezing the tabs in the direction of the arrow (➔) and pulling the cover.

① **VIDEO-1 IN and VIDEO-2 IN** — Two sets of standard (composite) video and standard audio inputs plus optional S-video input for connecting devices with composite video or S-video output.

Note: Standard (composite) video and S-video cables carry only video information; separate audio cables are required for a complete connection.

② **ColorStream® HD 1 and ColorStream® HD 2** — ColorStream® high-definition component video and standard stereo audio inputs for connecting devices with component video output, such as a Toshiba DVD player with ColorStream®. See pages 18 and 19.

Note: Component video cables carry only video information; separate audio cables are required for a complete connection.

③ **HDMI AUDIO IN** — For use when connecting a DVI device with analog audio output to the HDMI output, See page 21. Also see item ⑧ below.

④ **A/V OUT** — Standard composite video and analog audio outputs for connecting a VCR for editing and dubbing. See page 20 for details.

⑤ **Variable Audio OUT** — Standard analog audio outputs for connecting an analog amplifier with external speakers. See page 22.

⑥ **ANT-1 (CABLE) IN** and ANT-2 IN — Two inputs that support analog (NTSC) and digital (ATSC) off-air antenna signals and analog and digital (QAM) Cable TV signals.

Note: If you have an antenna only, connect it to ANT-1. If you have both cable TV and an antenna, connect the cable TV to ANT-1 and the antenna to ANT-2.

⑦ **PC IN** — For use when connecting a personal computer (PC). See page 24.

⑧ **HDMI™ IN** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device. See page 21.

⑨ **G-LINK™** — For use with one of the enclosed IR blaster/ G-LINK™ cables to enable the TV Guide On Screen™ recording features. See page 23.

⑩ **DIGITAL AUDIO OUT** — Optical audio output in Dolby Digital/Surround or PCM (pulse-code modulation) format for connecting an external Dolby Digital decoder, amplifier, A/V receiver, or home theater system with optical audio input. See page 22.

⑪ **CableCARD™ slot** — For use with a digital security card and digital cable TV service (provided by your local cable operator) to view encrypted digital programming. See pages 15 and 44.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

CableCARD™ is a trademark of Cable Television Laboratories, Inc.

Overview of cable types

Note: One dual-wand IR blaster/G-LINK™ cable is included with your TV. All other required cables, if not provided with your other devices, can be purchased at many electronics accessory suppliers.

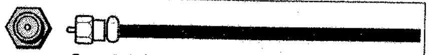
- **Coaxial (F-type) cable** is used for connecting your antenna, cable TV service, and/or cable converter box to the ANT-1 and/or ANT-2 RF inputs on your TV.
- **Standard A/V cables (composite video)** usually come in sets of three, and are for use with video devices with standard audio and standard (composite) video output. These cables (and the related inputs on your TV) are typically color-coded according to use: yellow for video, red for stereo right audio, and white for stereo left (or mono) audio.
- **S-video cable** is for use with video devices with S-video output. Separate audio cables are required for a complete connection.

  Note: *An S-video cable provides better picture performance than a composite video cable. If you connect an S-video cable, be sure to disconnect the standard (composite) video cable or the picture performance will be unacceptable.*
- **Component video cables** come in sets of three, and are for use with video devices with component video output. (ColorStream® is Toshiba's brand of component video.) These cables are typically color-coded red, green, and blue. Separate audio cables are required for a complete connection.

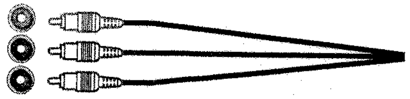
  Note: *Component video cables provide better picture performance than a standard (composite) video or S-video cable.*
- **HDMI cable** is for use with devices with HDMI (High-Definition Multimedia Interface) output. HDMI cable delivers digital audio and video in its native format. This cable carries both video and audio information; therefore, separate audio cables are not required for a complete HDMI device connection. See page 21 for further details.

  Note: *HDMI cable provides better picture performance than a standard (composite) video or S-video cable.*
- **Dual-wand IR blaster/G-LINK™ cable** is for use with video devices with IR (infrared) remote control. This cable is for connection to the G-LINK™ terminal (page 23) to enable TV Guide On Screen™ recording features (Chapters 5 and 7).

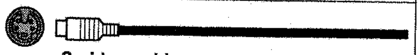
  Note: *The IR blaster/G-LINK™ cable included with your TV has specific characteristics that allow them to work properly with this G-LINK™ port.* ***Never use other aftermarket IR blaster or G-LINK™ cables with this TV.*** *Other cables may not function properly and can cause damage. THIS TYPE OF DAMAGE IS NOT COVERED BY YOUR TOSHIBA WARRANTY.*
- **Optical audio cable** is for connecting receivers with Dolby Digital or PCM (pulse-code modulation) optical audio input to the DIGITAL AUDIO OUT terminal or your TV. See page 22.



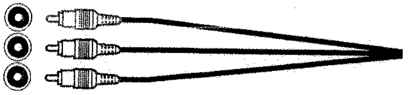
Coaxial (F-type) cable



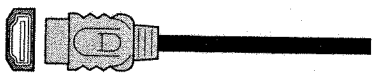
Standard A/V cables (red/white/yellow)



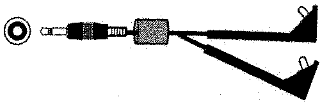
S-video cable



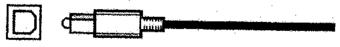
Component video cables (red/green/blue)



HDMI cable



Dual-wand IR blaster/G-LINK™ cable



Optical audio cable

About the connection illustrations

You can connect different types and brands of devices to your TV in several different configurations. The connection illustrations in this manual are representative of typical device connections only. The input/output terminals on your devices may differ from those illustrated herein. For details on connecting and using your specific devices, refer to each device's owner's manual.

Connecting a CableCARD™

This TV is capable of receiving analog basic, digital basic, and digital premium cable television programming by direct connection to a cable system providing such programming.

A security card (such as a CableCARD™), provided by your cable operator, is required to view encrypted digital programming.

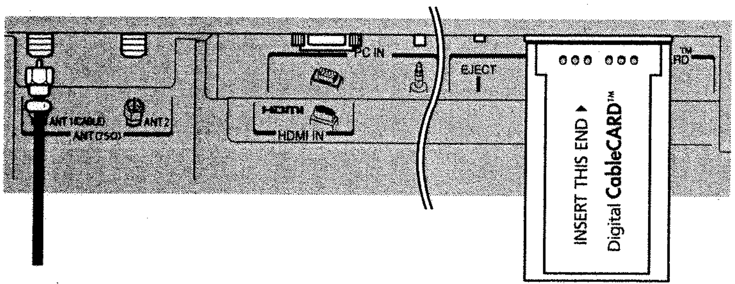
Certain advanced and interactive digital cable services (such as video-on-demand, a cable operator's enhanced program guide, and data-enhanced television services) will not work with the use of a CableCARD™ and may require the use of a separate set-top box from your cable operator.

For more information, call your local cable operator.

You will need:

- one CableCARD™ (contact your cable operator)
- digital cable subscription service (contact your cable operator)

TV lower back panel

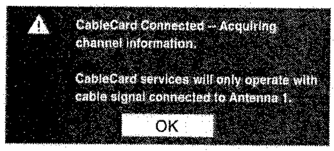


From digital Cable service
(connect to ANT 1 only)

This cable should be connected to ANT 1 terminal directly. If you connect the cable via a VCR, the TV may not receive the signals correctly.

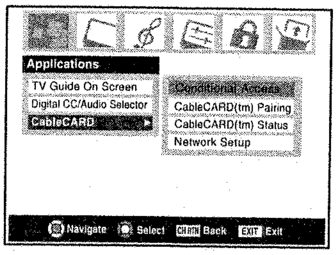
☐ **To view encrypted digital channels:**

1. Connect your digital Cable TV cable to ANT-1.
2. With the front of the CableCARD™ facing up, insert it into the CableCARD™ slot on the back of the TV (see illustration below left).
3. After the CableCARD™ is inserted, a CableCARD™ option appears in the Applications menu, with informational screens provided by your CableCARD™ service. See page 44 for additional information.



CableCard Connected -- Acquiring channel information.

CableCard services will only operate with cable signal connected to Antenna 1.



Note:

- *Always use EJECT to remove the CableCARD™. Never remove the CableCARD™ carelessly.*
- *Never insert any object or card (including, without limitation, a PCMCIA card) other than a CableCARD™ into the CableCARD™ slot.*
- *Always make sure the CableCARD™ is facing the correct direction.*
- *Connect the cable for your digital cable TV service to ANT-1 only.*
- *When using a CableCARD™, channel programming is unnecessary because the CableCARD™ automatically loads the cable channel list into the TV's channel memory (page 40).*
- *The CableCARD™ may take up to five minutes to "pair" with the TV and download its channel information. CableCARD™ information and channels will not be available until this process is completed.*

CableCARD™ technology, like all new and emerging technology, may from time to time experience compatibility issues due to the different ways in which television manufacturers and cable system operators implement the CableCARD™ specifications. Most issues can be easily resolved. In the event that you experience any performance-related CableCARD™ issues with your Toshiba television, please contact the following:

- ***In the U.S.,*** *call TACP Consumer Solutions at (800) 631-3811 or visit* ***http://www.tacp.com/customersupport/contact.asp.***
- ***In Canada,*** *call TCL Customer Service at 1-800-268-3404.*

CableCARD is a trademark of Cable Television Laboratories, Inc.

Connecting a VCR and antenna or Cable TV (no Cable box)

You will need:

- one signal splitter
- three coaxial cables
- two sets of standard A/V cables
  - *For better picture performance, if your VCR has S-video, use an S-video cable (plus the audio cables) instead of the standard video cable. However, do not connect both types of video cables to VIDEO 1 at the same time or the picture performance will be unacceptable.*
  - *If you have a mono VCR, connect L/MONO on the TV (VIDEO 1) to your VCR's audio out terminal using the white audio cable only.*

☐ **To view the antenna or Cable signal:**

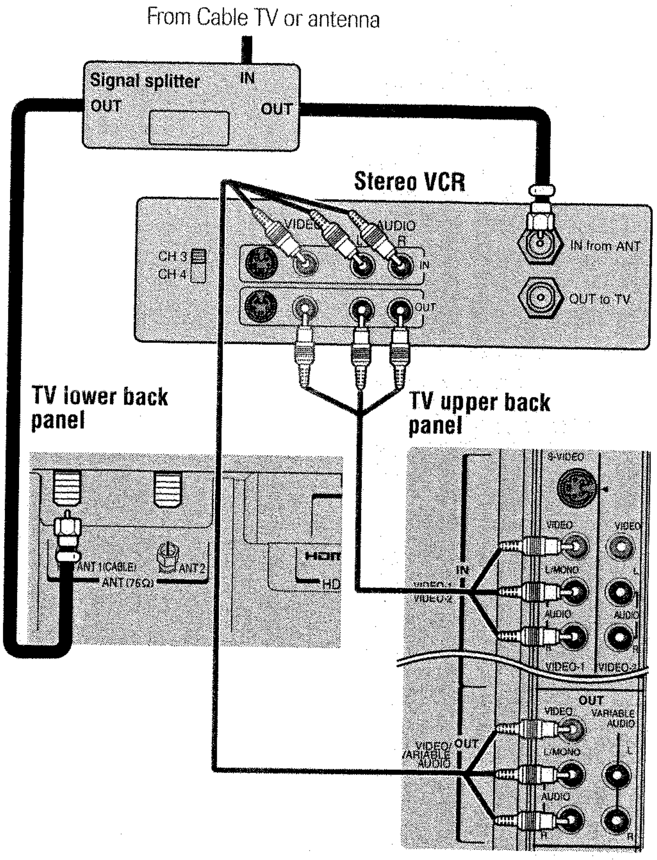
Select the ANT 1 video input source on the TV.*

☐ **To view the VCR:**

Turn ON the VCR. Select the VIDEO 1 video input source on the TV.*

☐ **To use the TV Guide On Screen™ recording features:**

1. Connect the G-LINK™ cable according to the instructions on page 23.
2. Make sure the VCR is connected to the A/V OUT terminals on the TV (see illustration).
3. Set the VCR to the appropriate line input (refer to your VCR owner's manual for details), and then turn OFF the VCR.
4. See Chapter 5 for details on setting up the TV Guide On Screen™ system.
5. See Chapter 7 for details on using the TV Guide On Screen™ system.


From Cable TV or antenna
Signal splitter
IN
OUT
OUT
Stereo VCR
CH 3
CH 4
VIDEO
AUDIO
L
R
IN
OUT
IN from ANT
OUT to TV
TV lower back panel
TV upper back panel
ANT 1(CABLE)
ANT 2
ANT (75Ω)
HDMI
HD
S-VIDEO
VIDEO
L/MONO
AUDIO
R
VIDEO-1
VIDEO-2
IN
OUT
VARIABLE AUDIO
VIDEO/ OUT
/ARIABLE AUDIO

Note: *The VIDEO/AUDIO OUT terminals output signals from the ANT 1, ANT 2, VIDEO 1, and VIDEO 2 terminals when the appropriate input mode is selected. The playing disc's contents by the DVD section are not output.*

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

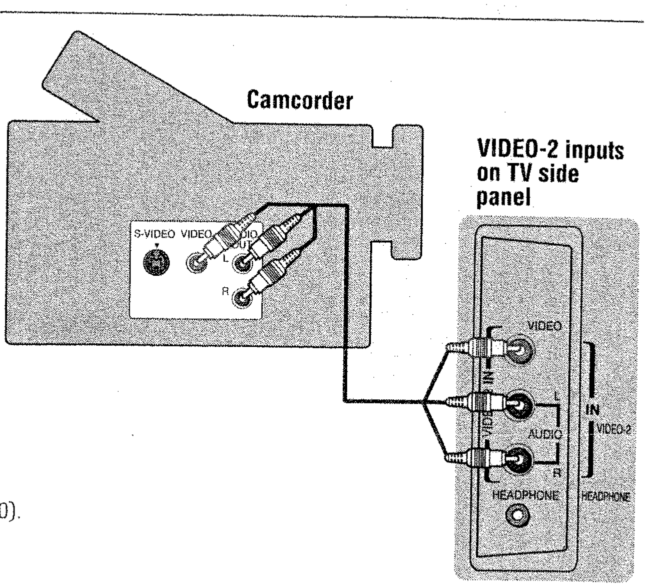
Connecting a camcorder

You will need:

- one set of standard A/V cables
  - *If you have a camcorder with S-video, you can use an S-video cable instead of a standard video cable for better picture performance. Plug the S-video and standard audio cables into the "VIDEO 1 IN" inputs on the upper back panel of the TV instead of the inputs on the side panel.*
  - *You can connect the camcorder to either set of VIDEO-2 IN terminals (on the side panel or upper back panel); however, do not connect devices to both sets of VIDEO-2 IN terminals at the same time or the picture performance will be unacceptable.*

☐ **To view the camcorder video:**

Select the VIDEO 2 video input source (or the VIDEO 1 video input source when you use an S-video cable) on the TV.*


Camcorder
VIDEO-2 inputs on TV side panel
S-VIDEO
VIDEO
AUDIO OUT
L
R
VIDEO
L
AUDIO
R
IN
VIDEO-2
HEADPHONE
HEADPHONE

---

* To select the video input source, press INPUT on the remote control (see page 60).
To program the TV remote control to operate other devices, see Chapter 3.

Connecting a VCR and Cable box

You will need:

- one signal splitter
- five coaxial cables
- two sets of standard A/V cables
    - *For better picture performance from your VCR: If your VCR has S-video, connect an S-video cable (plus the audio cables) instead of the standard video cable. Do not connect an S-video cable and a standard video cable to VIDEO 1 at the same time or the picture performance will be unacceptable.*
    - *If you have a mono VCR, connect L/MONO on the TV (VIDEO 1) to your VCR's audio out terminal using the white audio cable only.*
    - *When you use a Cable box, you may not be able to use the remote control to program or access certain features on the TV.*

☐ **To view basic Cable channels and use the TV's features:**

Select the ANT 1 video input source on the TV.* Use the TV controls (top panel or remote control) to change channels and access the TV's features.

☐ **To view basic and premium Cable channels:**

Turn OFF the VCR. Select the ANT 2 video input source on the TV.* Tune the TV to channel 3 or 4 (whichever channel is vacant in your area). Use the Cable box controls to change channels.

☐ **To view the VCR:**

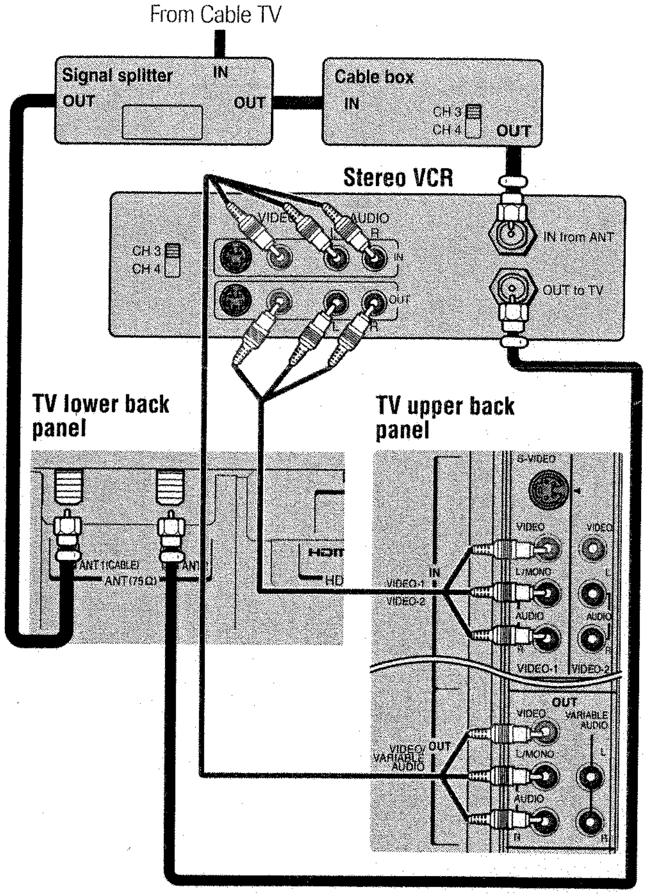
Turn ON the VCR. Select the VIDEO 1 video input source on the TV.*

Note: *A VIDEO 1 connection with an S-Video cable (instead of a standard video cable) will provide better picture performance (as mentioned in the first bulleted item at the top of this page).*

---

* To select the video input source, press INPUT on the remote control (see page 60). To program the TV remote control to operate other devices, see Chapter 3.

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.


From Cable TV
Signal splitter
IN
OUT
OUT
Cable box
IN
CH 3
CH 4
OUT
Stereo VCR
CH 3
CH 4
VIDEO
AUDIO
L
R
IN
OUT
L
R
IN from ANT
OUT to TV
TV lower back panel
ANT 1(CABLE)
ANT 2
ANT(75Ω)
HDMI
HD
TV upper back panel
S-VIDEO
VIDEO
VIDEO
IN
VIDEO-1
VIDEO-2
L/MONO
L
AUDIO
AUDIO
R
R
VIDEO-1
VIDEO-2
OUT
VIDEO
VARIABLE AUDIO
VIDEO/ VARIABLE AUDIO
OUT
L/MONO
L
AUDIO
R
R

Note: *The VIDEO/AUDIO OUT terminals output signals from the ANT 1, ANT 2, VIDEO 1, and VIDEO 2 terminals when the appropriate input mode is selected. The playing disc's contents by the DVD section are not output.*

☐ **To enable the TV Guide On Screen™ system to work with your cable box and to use the TV Guide On Screen™ recording features:**

1. Connect the G-LINK™ cable according to the instructions on page 23.
2. Make sure the VCR is connected to the A/V OUT terminals on the TV (see illustration).
3. Set the VCR to the appropriate line input (refer to your VCR owner's manual for details), and then turn OFF the VCR.
4. See Chapter 5 for details on setting up the TV Guide On Screen™ system.
5. See Chapter 7 for details on using the TV Guide On Screen™ system.

Connecting a VCR and satellite receiver with ColorStream® (component video)

You will need:

- one signal splitter
- four coaxial cables
- one set of component video cables (if your satellite receiver does not have component video, connect the standard A/V cables only)
- one pair of standard audio cables
- three sets of standard A/V cables
  - *For better picture performance, if your VCR have S-video, connect S-video cables (plus the audio cables) instead of the standard video cables. Do not connect both types of video cable to VIDEO 1 at the same time or the picture performance will be unacceptable.*
  - *If you have a mono VCR, connect L/MONO on the TV (VIDEO 1) to your VCR's AUDIO OUT terminal using the white audio cable only.*

☐ **To view satellite programs using the component video connections:**

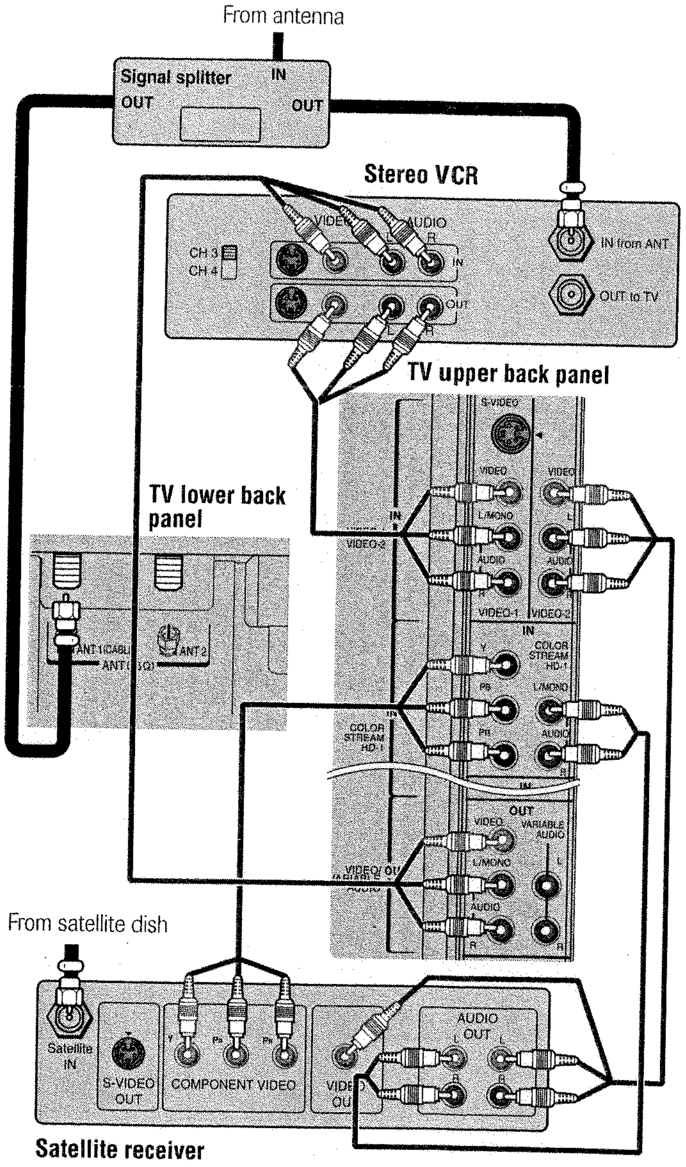
Select the ColorStream HD 1 video input source on the TV.*

☐ **To view satellite programs using the standard video connections or to record satellite programs:**

Turn on all three devices. Set the VCR to the appropriate line input (refer to your VCR owner's manual for details). Select the VIDEO 2 video input source on the TV.*

☐ **To view the VCR or view and record antenna channels:**

Turn ON the VCR. Select the ANT-1 video input source on the TV.* Tune the TV to channel 3 or 4 (whichever channel is vacant in your area).


From antenna
Signal splitter
IN
OUT
OUT
Stereo VCR
CH 3
CH 4
VIDEO
AUDIO
L
R
IN
OUT
IN from ANT
OUT to TV
TV upper back panel
TV lower back panel
ANT 1(CABLE)
ANT 2
S-VIDEO
VIDEO
L/MONO
AUDIO
R
IN
VIDEO-2
VIDEO-1
VIDEO-2
Y
PB
PR
COLOR STREAM HD-1
L/MONO
AUDIO
OUT
VARIABLE AUDIO
VIDEO/AUDIO
From satellite dish
Satellite IN
S-VIDEO OUT
Y
PB
PR
COMPONENT VIDEO
VIDEO OUT
AUDIO OUT
L
R
Satellite receiver

Note: *The VIDEO/AUDIO OUT terminals output signals from the ANT 1, ANT 2, VIDEO 1, and VIDEO 2 terminals when the appropriate input mode is selected. The playing disc's contents by the DVD section are not output.*

☐ **To use the TV Guide On Screen™ recording features:**

1. Connect the G-LINK™ cable according to the instructions on page 23.
2. Make sure the VCR is connected to the A/V OUT terminals on the TV (see illustration).
3. Set the VCR to the appropriate line input (refer to your VCR owner's manual for details), and then turn OFF the VCR.
4. See Chapter 5 for details on setting up the TV Guide On Screen™ system.
5. See Chapter 7 for details on using the TV Guide On Screen™ system.

Note: *The TV Guide On Screen™ system does not receive program listings from or for any satellite service.*

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

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* To select the video input source, press INPUT on the remote control (see page 60). To program the TV remote control to operate other devices, see Chapter 3.

Connecting a DVD player with ColorStream® (component video) and a VCR

Your TV has ColorStream® (component video) inputs.

You will need:

- one signal splitter
- three coaxial cables
- two sets of standard A/V cables
  - *For better picture performance, if your VCR has S-video, use an S-video cable (plus the audio cables) instead of the standard video cable. However, do not connect both types of video cable to VIDEO 1 at the same time or the picture performance will be unacceptable.*
  - *If you have a mono VCR, connect L/MONO on the TV (VIDEO 1) to your VCR's audio out terminal using the white audio cable only.*
- one pair of standard audio cables
- one set of component video cables
  - *You can connect the component video cables (plus audio cables) from the external DVD player to either set of ColorStream HD terminals on the TV (HD 1 or HD 2). The ColorStream HD 1 and HD 2 terminals can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems. A 1080i signal will provide the best picture performance.*
  - *If your DVD player has HDMI video, see page 21.*

☐ **To view antenna or Cable channels:**

Turn OFF the VCR. Select the ANT 1 video input source on the TV.*

☐ **To view the DVD player:**

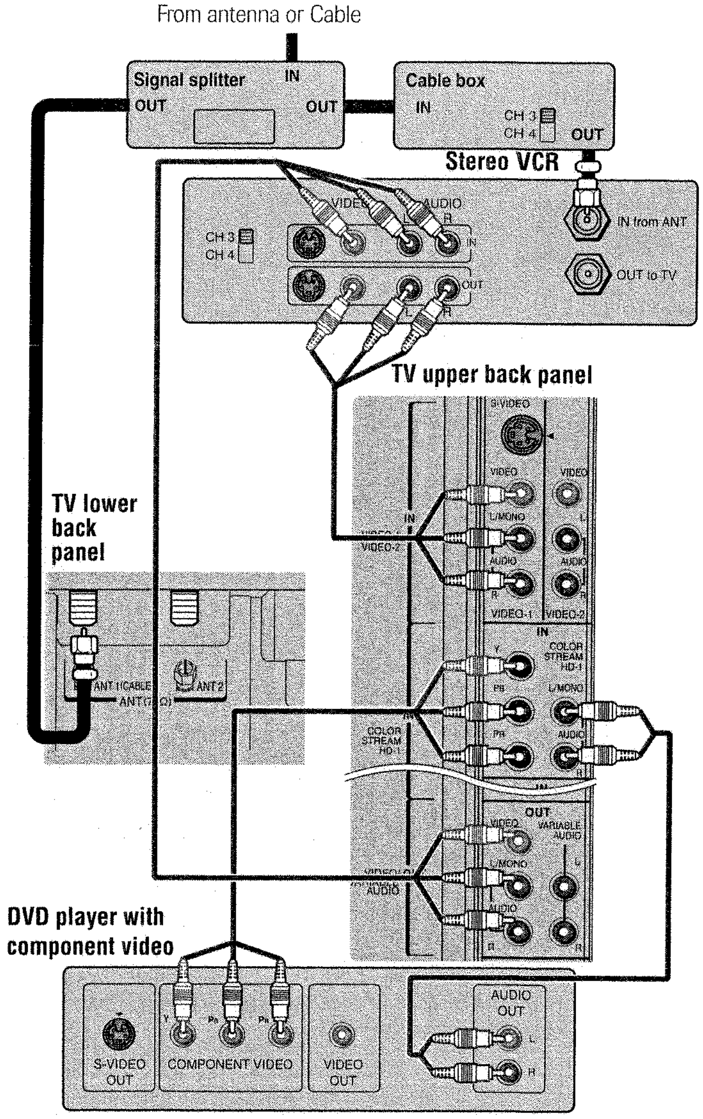
Turn ON the DVD player. Select the ColorStream HD 1 video input source on the TV.*

☐ **To view the VCR:**

Turn ON the VCR. Select the VIDEO 1 video input source on the TV.*

☐ **To record a TV program while watching a DVD:**

Turn ON the VCR. Tune the VCR to the channel to record. Select the ColorStream HD 1 video input source on the TV* to view the DVD.


From antenna or Cable
Signal splitter
IN
OUT
OUT
Cable box
IN
CH 3
CH 4
OUT
Stereo VCR
VIDEO
AUDIO
L
R
IN
OUT
IN from ANT
OUT to TV
TV upper back panel
S-VIDEO
VIDEO
L/MONO
AUDIO
R
VIDEO-1
VIDEO-2
IN
COLOR STREAM HD-1
Y
PB
PR
OUT
VARIABLE AUDIO
TV lower back panel
ANT 1(CABLE
ANT(75 Ω)
ANT2
DVD player with component video
S-VIDEO OUT
COMPONENT VIDEO
VIDEO OUT
AUDIO OUT
L
R

Note: *The VIDEO/AUDIO OUT terminals output signals from the ANT 1, ANT 2, VIDEO 1, and VIDEO 2 terminals when the appropriate input mode is selected. The playing disc's contents by the DVD section are not output.*

---

* To select the video input source, press INPUT on the remote control (see page 60). To program the TV remote control to operate other devices, see Chapter 3.

☐ **To use the TV Guide On Screen™ recording features:**

1. Connect the G-LINK™ cable according to the instructions on page 23.
2. Make sure the VCR is connected to the A/V OUT terminals on the TV (see illustration).
3. Set the VCR to the appropriate line input (refer to your VCR owner's manual for details), and then turn OFF the VCR.
4. See Chapter 5 for details on setting up the TV Guide On Screen™ system.
5. See Chapter 7 for details on using the TV Guide On Screen™ system.

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Connecting two VCRs

You will need:

- one signal splitter
- three coaxial cables
- two sets of standard A/V cables
  - *For better picture performance, if VCR 1 has S-video, use an S-video cable (plus the audio cables) instead of the standard video cable. However, do not connect both types of video cable to VIDEO 1 at the same time or the picture performance will be unacceptable.*
  - *If VCR 1 has mono audio, connect L/MONO on the TV (VIDEO 1) to the audio out terminal on VCR 1 using the white audio cable only.*
  - *Do not connect the same VCR to the output and input terminals on the TV at the same time.*

☐ **To view the antenna or Cable signal:**

Turn OFF VCR 1. Select the ANT 1 video input source on the TV.*

☐ **To view VCR 1:**

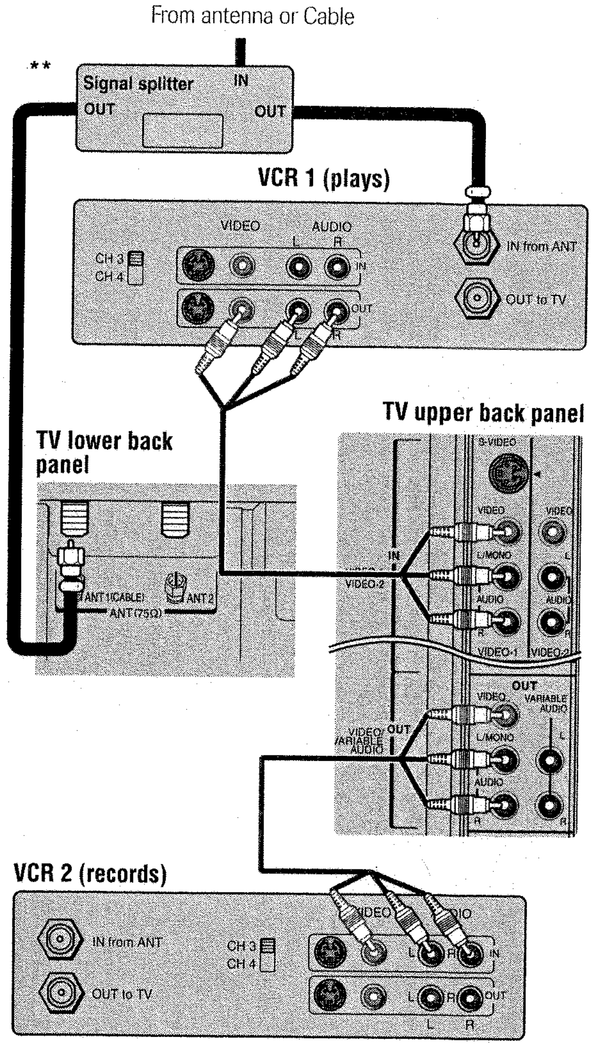
Turn ON VCR 1. Select the VIDEO 1 video input source on the TV.*

☐ **To dub or edit from VCR 1 to VCR 2:**

Turn ON both VCRs. Set VCR 2 to the appropriate line input (refer to your VCR owner's manual for details). Select the VIDEO 1 video input source on the TV.*

Note:

- *If you have a Cable box, connect the Cable box and splitter to VCR 1 as shown on page 17.*
- *The VIDEO OUT signal incorporates Macrovision® copyright protection technology, which may prevent you from recording certain copy-restricted video materials.****


From antenna or Cable
**
Signal splitter
IN
OUT
OUT
VCR 1 (plays)
VIDEO
AUDIO
L
R
IN
OUT
CH 3
CH 4
IN from ANT
OUT to TV
TV upper back panel
TV lower back panel
ANT 1(CABLE)
ANT(75Ω)
ANT 2
S-VIDEO
VIDEO
L/MONO
AUDIO
R
IN
VIDEO-2
VIDEO-1
OUT
VARIABLE AUDIO
VIDEO/VARIABLE AUDIO OUT
VCR 2 (records)
IN from ANT
OUT to TV
CH 3
CH 4
VIDEO
AUDIO
L
R
IN
OUT

Note: *The VIDEO/AUDIO OUT terminals output signals from the ANT 1, ANT 2, VIDEO 1, and VIDEO 2 terminals when the appropriate input mode is selected. The playing disc's contents by the DVD section are not output.*

☐ **To use the TV Guide On Screen™ recording features:**

1. Connect the G-LINK™ cable for VCR2 according to the instructions on page 23.
2. Make sure the VCR2 is connected to the A/V OUT terminals on the TV (see illustration).
3. Set the VCR2 to the appropriate line input (refer to your VCR owner's manual for details), and then turn OFF the VCR.
4. See Chapter 5 for details on setting up the TV Guide On Screen™ system.
5. See Chapter 7 for details on using the TV Guide On Screen™ system.

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* To select the video input source, press INPUT on the remote control (see page 60). To program the TV remote control to operate other devices, see Chapter 3.

**Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the TV.

***This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited. Macrovision is a registered trademark of Macrovision Corporation.

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Connecting an HDMI™ or a DVI device to the HDMI input

The HDMI[1] input on your TV receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI[2] device.

This input is designed to accept HDCP[3] program material in digital form from EIA/CEA-861/861B–compliant[4] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output).

The HDMI input is designed for best performance with 720p signals but it will also accept and display 1080i, 480i, and 480p signals.

Note: NEVER CONNECT THIS TV TO A PERSONAL COMPUTER (PC). THIS TV IS NOT INTENDED FOR USE WITH A PC.

To connect an HDMI device, you will need:

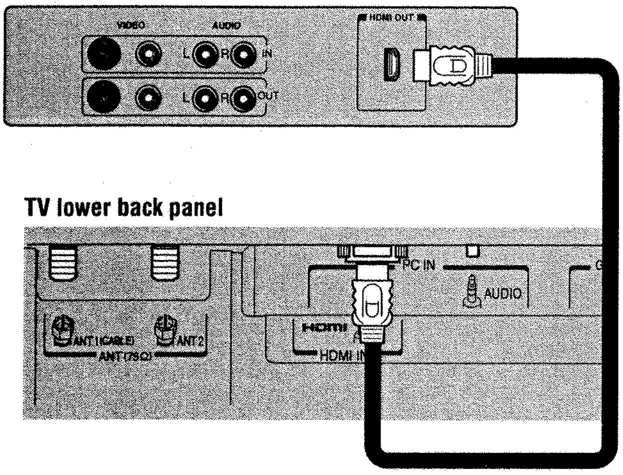
- one HDMI cable (type A connector) per HDMI device

  For proper operation, it is recommended that you use as short an HDMI cable as possible. You should not encounter difficulty if you use an HDMI cable shorter than 16.4 ft. (5m).

  HDMI cable transfers both video and audio. Separate analog audio cables are not required (see illustration below). Some CDVs (video CDs) may not output digital audio signals. In that case, you may hear sound by connecting analog audio cables.

  See "Setting the HDMI audio mode" on page 43.

HDMI device



Note: *To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:*

- *When turning on your electronic components,* ***turn on the TV first****, and then the HDMI or DVI device.*
- *When turning off your electronic components,* ***turn off the HDMI or DVI device first****, and then the TV.*

To connect a DVI device, you will need:

- one HDMI-to-DVI adapter cable (HDMI type A connector) per DVI device

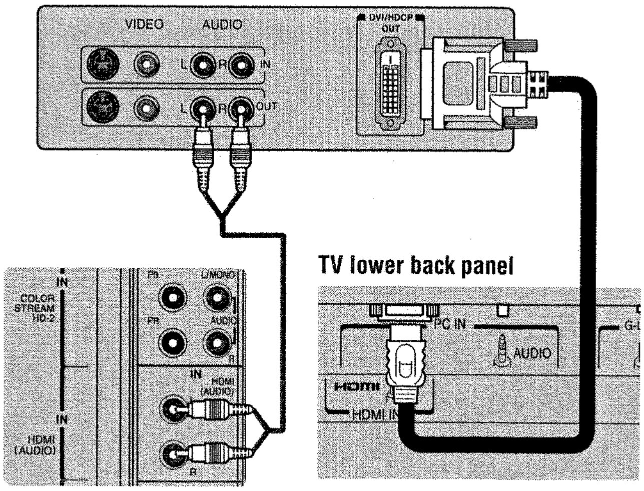
  For proper operation, the length of an HDMI-to-DVI adapter cable should not exceed 9.8 ft (3m). The recommended length is 6.6 ft (2m).

- one pair of standard analog audio cables per DVI device

  An HDMI-to-DVI adapter cable transfers video only. Separate analog audio cables are required (see illustration below).

  See "Setting the HDMI audio mode" on page 43.

DVI device



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[1] *HDMI = High-Definition Multimedia Interface.*

[2] *DVI = Digital Video Interface.*

[3] *HDCP = High-bandwidth Digital Content Protection.*

[4] *EIA/CEA-861/861B compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the TV.*

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Connecting a digital audio system

The TV DIGITAL AUDIO OUT terminal outputs a Dolby Digital DOLBY DIGITAL or 2-channel down-mixed PCM (pulse-code modulation) signal for use with an external Dolby Digital decoder or other external audio system with optical audio input.

You will need:

- one optical audio cable (Prepare the cable which matched shape of the optical jack.)

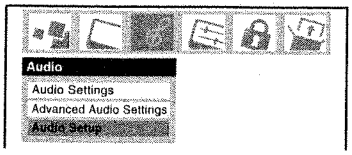
To control the audio:

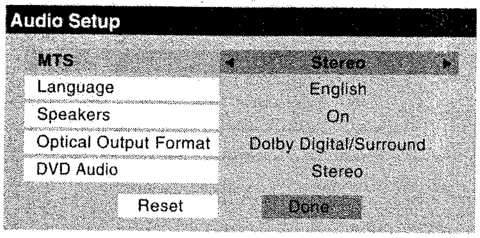
Turn on the TV and the digital audio device.

Press MENU on the TV's remote control and open the Audio menu.

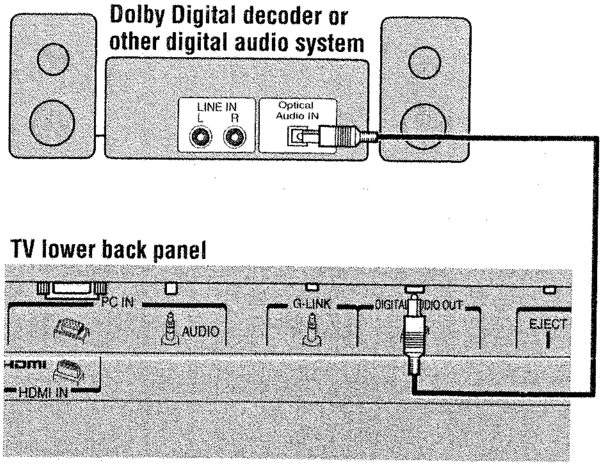
Highlight Audio Setup and press ENTER.

In the Optical Output Format field, select either Dolby Digital/Surround or PCM, depending on your device (see "Selecting the optical audio output format" on page 76).


Audio
Audio Settings
Advanced Audio Settings
Audio Setup


Audio Setup

MTS	Stereo
Language	English
Speakers	On
Optical Output Format	Dolby Digital/Surround
DVD Audio	Stereo
Reset	Done


Dolby Digital decoder or other digital audio system
LINE IN
L R
Optical Audio IN
TV lower back panel
PC IN
AUDIO
G-LINK
DIGITAL AUDIO OUT
EJECT
HDMI
HDMI IN

CAUTION:

Some audio systems may not be compatible with Dolby Digital bitstream signals. Older audio systems that are not compatible with standard optical out signals may not work properly, creating a high noise level that may damage your hearing, speakers or headphones. THIS DAMAGE IS NOT COVERED BY YOUR WARRANTY.

Note:

- *The DIGITAL AUDIO OUT terminal may not output some digital audio sources because of copy restrictions.*
- *The DIGITAL AUDIO OUT terminal outputs the digital audio sources only when the digital broadcasts (ATSC or DigitalCable) are received or the DVD section plays a disc.*

Connecting an analog audio system

This connection allows you to use external speakers with an external audio amplifier to adjust the sound level.

You will need:

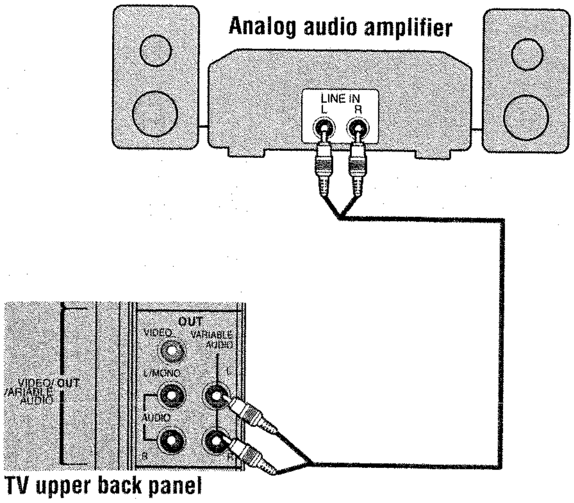
- one pair of standard audio cables

To control the audio:

Turn on the TV and the stereo amplifier.

Turn off the TV's built-in speakers (see "Turning off the built-in speakers" on page 76).

> ***Note:*** *To hear sound when using an external audio amplifier, the volume of both the TV and the amplifier must be set to a reasonable listening level.*


Analog audio amplifier
LINE IN
L R
OUT
VIDEO
VARIABLE AUDIO
L/MONO
VIDEO/ OUT
VARIABLE AUDIO
AUDIO
R
TV upper back panel

G-LINK™ connection

- ***This connection is necessary for the TV Guide On Screen™ system to work with your cable box to receive program listings and to enable the TV Guide On Screen™ recording features with your VCR.***

After you connect your devices to the TV, you will need to connect the G-LINK™ cable (either of the dual-wand IR blaster cables included with your TV) from your VCR and Cable box (if applicable) to the G-LINK™ terminal on the TV.

> ***Note:*** *TV Guide On Screen™ program data is available through the ANT-1 and ANT-2 antenna inputs and also through the VIDEO 1 inputs if you have a cable box connected to VIDEO 1. TV Guide On Screen™ program data is not available through any other inputs on this TV. See the connection information on pages 15–24.*

The G-LINK™ connection is necessary to enable the following features of your TV Guide On Screen™ system:

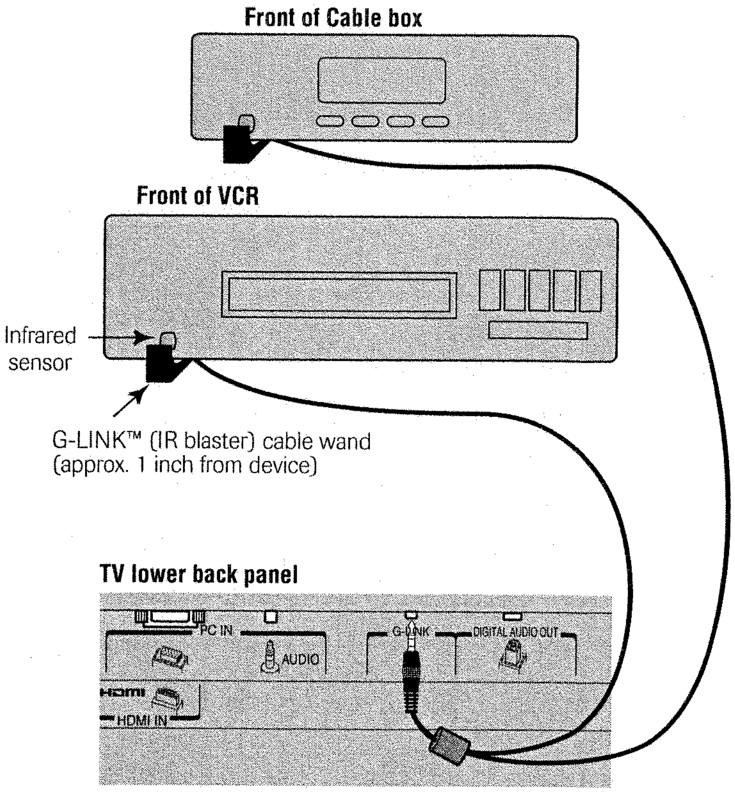
- If you have a Cable box, you need to connect the G-LINK™ cable from the Cable box to the G-LINK™ terminal to receive the TV Guide On Screen™ program listings for your Cable service.
- If you have a VCR, you need to connect the G-LINK™ cable from the VCR to the G-LINK™ terminal to use the TV Guide On Screen™ recording features.

To connect to the G-LINK™ terminal:

1. Locate the infrared sensor on the front of your VCR or Cable box. The sensor is marked on some devices.*
2. Align one of the G-LINK™ (IR blaster) cable's wands about 1 inch away from the infrared sensor on the front of the VCR and attach it using double-sided mounting tape.

   If you have a Cable box, attach the other wand in a similar manner. (See illustration at right.)

   Note: *If you do not have a Cable box, coil the second wand with a rubber band and leave it behind the TV.*
3. Plug the G-LINK™ (IR blaster) cable's plug into the TV's G-LINK™ terminal.



For details on setting up the TV Guide On Screen™ system:

See Chapter 5.

For details on using the TV Guide On Screen™ interactive program guide:

See Chapter 7.

If you cannot locate the device's infrared sensor:

1. *Turn OFF the device.*
2. *Starting at the lower left corner of the device, place the end of the device's remote control (with the infrared emitter) so it touches the front of the device and press POWER. (Do not use the TV's remote control for this step.)*
3. *If the device turns on, the point at which the remote control touched the device is the location of the sensor.*
4. *If the device does not turn on, move the remote control slightly to the right and press POWER again.*
5. *Repeat step 4 until you locate the device's infrared sensor.*

Connecting a personal computer (PC)

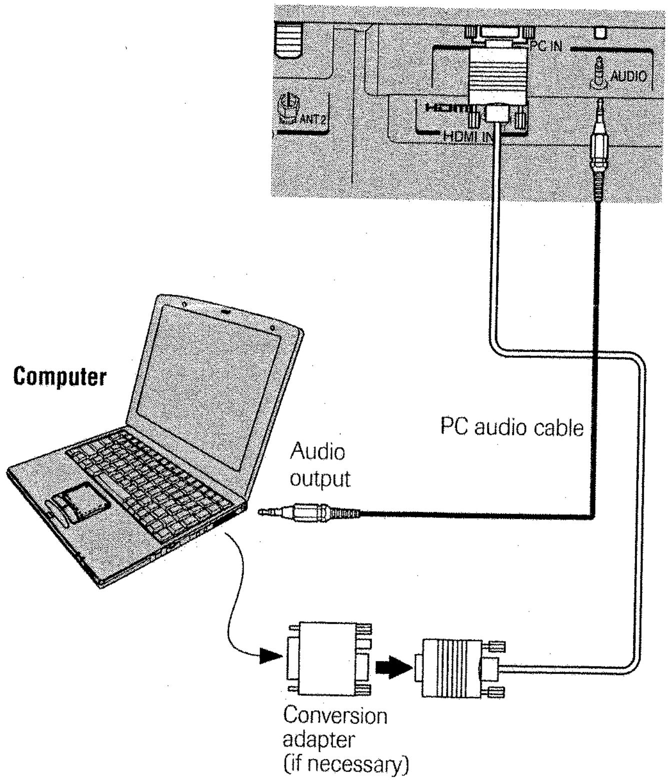
This connection allows you to view the image of a personal computer (PC) on the TV screen. When connecting a PC to the TV, use an analog RGB (15-pin) computer cable and a PC audio cable.

- To use a PC, set the monitor output resolution on the PC before connecting it to the TV. The following signals can be displayed.
  - VGA: 640 × 480 @ 60 Hz
  - SVGA: 800 × 600 @ 60 Hz
  - XGA: 1024 × 768 @ 60 Hz

Other formats or non-standard signals may not be displayed correctly.

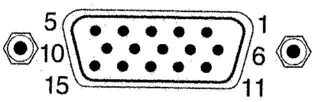
- To display the optimum picture, use the PC setting feature. (see "Using the PC setting feature" on page 78).

TV lower back panel



Signal names for mini D-sub 15 pin connector

Pin assignment for RGB/PC terminal



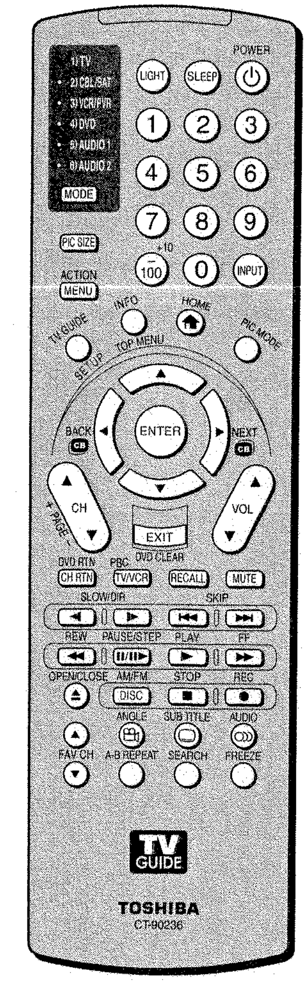
Pin No.	Signal name
1	R
2	G
3	B
4	NC (not connected)
5	NC
6	Ground
7	Ground
8	Ground
9	NC
10	Ground
11	NC
12	NC
13	H-sync
14	V-sync
15	NC

Note:

- *Some PC models cannot be connected to this TV.*
- *An adapter is not needed for computers with a DOS/V compatible mini D-sub 15-pin terminal.*
- *Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multi-angle scenes.*

3 Using the remote control

Learning about the remote control


POWER
1) TV
2) CBL/SAT
3) VCR/PVR
4) DVD
5) AUDIO 1
6) AUDIO 2
MODE
LIGHT
SLEEP
1
2
3
4
5
6
7
8
9
PIC SIZE
ACTION
MENU
+10
100
0
INPUT
INFO
HOME
TV GUIDE
TOP MENU
PIC MODE
SET UP
ENTER
BACK
NEXT
CH
VOL
PAGE
EXIT
DVD RTN
PBC
DVD CLEAR
CH RTN
TV/VCR
RECALL
MUTE
SLOW/DIR
SKIP
REW
PAUSE/STEP
PLAY
FF
OPEN/CLOSE
AM/FM
STOP
REC
DISC
ANGLE
SUB TITLE
AUDIO
FAV CH
A-B REPEAT
SEARCH
FREEZE
TV GUIDE
TOSHIBA
CT-90236

The buttons used for operating the TV are described here. For a complete list of the remote control's functions, see the remote control functional key chart on pages 27–28.

For a list of the buttons that operate the TV Guide On Screen™ system, see page 47

POWER ⏻ turns the TV on and off. Press POWER to turn on the TV. The red LED indicator on the TV will be illuminated. Press POWER again to turn off the TV.

SLEEP accesses the sleep timer (page 77).

LIGHT The first press of the LIGHT button lights the keypad and turns on the Illumination mode. With the Illumination mode on, pressing any other key lights the keypad for 5 seconds (10 seconds if you're in programming mode). Subsequent presses of the LIGHT button toggle between turning the Illumination mode on and off.

Channel Numbers (0–9, –/100) directly tune channels. The "–" button is used to tune digital channels (page 64) or to display the favorite channel list (page 42).

INPUT selects the video input source (page 60).

MODE cycles through the six device modes: TV, CBL/SAT, VCR/PVR, DVD, AUDIO1, and AUDIO2. The TV mode should be chosen to control the TV and Built-in DVD. Every time you turn the power on, the TV starts from the TV mode. The mode indicator light will remain lit for a few seconds (page 29).

PIC SIZE cycles through the five pictures sizes: Natural, TheaterWide 1/2/3, and Full (page 65).

MENU accesses the main TV menu system (pages 33 and 34) or opens a menu in the TV Guide On Screen™ system (Chapter 7).

TV GUIDE opens the TV Guide On Screen™ system (Chapter 7).

INFO provides detailed information on highlighted items in the TV Guide On Screen™ system (Chapter 7).

HOME (🏠) accesses the home function of the channel browser feature (page 63)

PIC MODE selects the picture mode (page 69).

ENTER activates highlighted items in the main menu system and the TV Guide On Screen™ system.

Arrow buttons (▲▼◀▶) When a menu is on-screen, these buttons select or adjust programming menus. (Also see BACK ◀ / NEXT ▶).

BACK ◀ / NEXT ▶ While watching TV, these buttons tune to the previous/next channel in the channel history (page 62). (Also see "Arrow buttons" above.)

CH ▲▼ cycles through programmed channels when no menu is on-screen (page 40); functions as page up/down when a menu is on-screen or when the TV Guide On Screen™ system is open (Chapter 7).

VOL ▲▼ adjusts the volume level.

EXIT closes on-screen menus and the TV Guide On Screen™ system.

CH RTN returns to the last viewed channel (page 64).

TV/VCR selects TV mode to view one program while recording another.

RECALL displays TV setting information on-screen (page 79).

MUTE reduces or turns off the sound (page 74).

REC ● initiates the recording process when in the TV Guide On Screen™ system.

FAV CH ▲▼ tunes to the next higher/lower favorite channel (page 42).

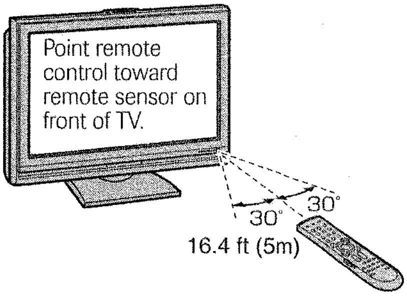
FREEZE accesses the freeze feature (page 68).

You can also control the built-in DVD when the MODE button on the remote control is in TV mode. For DVD operation the following buttons are used: **DVD RTN**, **PBC**, **SLOW**, **SKIP**, **REW**, **FF**, **PAUSE**, **PLAY**, **OPEN/CLOSE**, **STOP**, **A-B REPEAT**, and **SEARCH** (see chapter 10).

Note: *The error message "Not Available" will appear if you press a key for a function that is not available*

Remote control effective range

For optimum performance, aim the remote control directly at the TV and make sure there is no obstruction between the remote control and the TV.

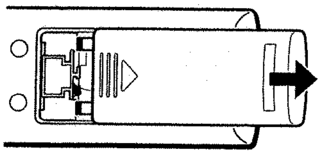

Point remote control toward remote sensor on front of TV.
30°
30°
16.4 ft (5m)

Installing the remote control batteries

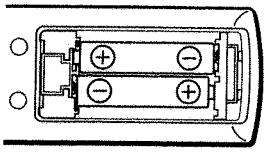
To install the remote control batteries:

CAUTION: *Always dispose of batteries in a designated disposal location. Never throw batteries into a fire.*

1. Slide the battery cover off the back of the remote control.



2. Install two "AA" size alkaline batteries. Match the + and – symbols on the batteries to the symbols on the battery compartment.



3. Slide the battery cover on to the remote control until the lock snaps.

Caution:

Never throw batteries into a fire.

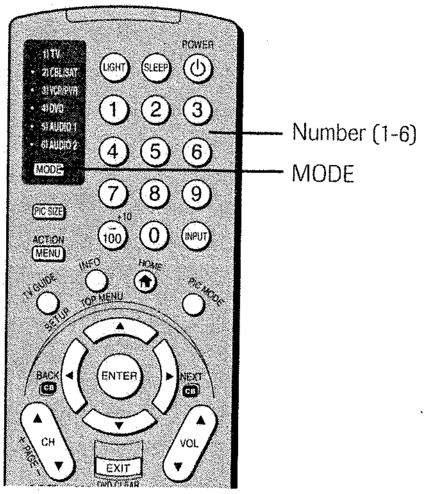
Note:

- *Be sure to use AA size batteries.*
- *Dispose of batteries in a designated disposal area.*
- *Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.*
- *If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.*
- *When necessary to replace batteries in the remote control, always replace both batteries-with new ones. Never mix battery types or use new and used batteries in combination.*
- *Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.*

Using the remote control MODE button to control your other devices

Your TV remote control has one dedicated TV mode and five programmable multi-brand modes: CBL/SAT, VCR/PVR, DVD, AUDIO1, and AUDIO2. The default device modes and programmable device modes are listed below.

Note: *The TV remote control is preprogrammed to operate most Toshiba devices. If you own a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate, you will need to program the remote control. See "Programming the remote control to operate your other devices" on page 29.*



MODE	Default device mode control (before programming)
1) TV	Toshiba TV
2) CBL/SAT	Toshiba Satellite receiver
3) VCR/PVR	Toshiba VCR
4) DVD	Toshiba DVD
5) AUDIO1	Pioneer Audio receiver
6) AUDIO2	Pioneer LD

MODE	Device mode control after programming
1) TV	Toshiba TV
2) CBL/SAT	Multi-brand video/audio devices
3) VCR/PVR	
4) DVD	
5) AUDIO1	
6) AUDIO2	

You can directly select the device mode by pressing the corresponding number button (1-6) while pressing the MODE button.

Note:

Although your new TV's remote control includes codes for many devices, it may not include codes for some or all of the features on certain devices you wish to control. If you are unable to program the TV's remote control to operate your device or some of the features on that device, use the device's remote control or the controls on the device.

Remote control functional key chart

Key Label	Toshiba TV (TV)	Cable (CBL/SAT)	Satellite (CBL/SAT)	VCR	DVD/LD	Receiver (AUDIO)	CD (AUDIO)	PVR (VCR)
MODE	Remote control device mode selection							
LIGHT	Lights the remote key, and toggles between enabled and disabled Illumination mode.*[1]							
SLEEP	Sleep timer	---	---	---	---	---	---	---
POWER	Power	Power	Power	Power	Power	Power	Power	Power
1	Digit 1	Digit 1	Digit 1	Digit 1	Digit 1	AV input 1	Digit 1	Digit 1
2	Digit 2	Digit 2	Digit 2	Digit 2	Digit 2	AV input 2	Digit 2	Digit 2
3	Digit 3	Digit 3	Digit 3	Digit 3	Digit 3	AV input 3	Digit 3	Digit 3
4	Digit 4	Digit 4	Digit 4	Digit 4	Digit 4	AV input 4	Digit 4	Digit 4
5	Digit 5	Digit 5	Digit 5	Digit 5	Digit 5	CD	Digit 5	Digit 5
6	Digit 6	Digit 6	Digit 6	Digit 6	Digit 6	Tuner	Digit 6	Digit 6
7	Digit 7	Digit 7	Digit 7	Digit 7	Digit 7	Phono	Digit 7	Digit 7
8	Digit 8	Digit 8	Digit 8	Digit 8	Digit 8	Cassette	Digit 8	Digit 8
9	Digit 9	Digit 9	Digit 9	Digit 9	Digit 9	Aux	Digit 9	Digit 9
0	Digit 0	Digit 0	Digit 0	Digit 0	Digit 0	---	Digit 0	Digit 0
100/–, +10	– (sub channel)	---	–※(sub channel)	※100	+10	---	---	---
INPUT	TV/Video select	← TV	← TV	← TV	← TV	← TV	← TV	← TV
PIC SIZE	Selects the image shape.	← TV	← TV	← TV	← TV	← TV	← TV	← TV
MENU/ ACTION	Menu/ Guide Menu	---	Action, Menu	---	Menu	---	---	Menu
TV GUIDE/SETUP	TV Guide	---	Guide	---	DVD setup	---	---	Advance
INFO/ TOP MENU	Guide Info	---	INFO	---	Top menu	---	---	INFO
HOME	HOME	---	---	---	---	---	---	---
PIC MODE	PIC MODE	← TV	← TV	← TV	← TV	← TV	← TV	← TV
▲	Menu select up	---	Menu select up	---	Menu select up	---	---	Menu select up
▼	Menu select down	---	Menu select down	---	Menu select down	---	---	Menu select down
◀▶	Menu select left/right	---	Menu select left/right	---	Menu select left/right	---	---	Menu select left/right
ENTER	Enter	---	Enter	---	Enter	---	---	Enter
CH ▲▼ PAGE +/–	Channel up/down, Page up/down	Channel up/down	Channel up/down	Channel up/down	---	Channel up/down	---	Channel up/down
EXIT/ DVD CLEAR	Exit	---	Exit	---	DVD clear	---	---	Exit
VOL ▲▼	Volume up/down*[2]	Volume up/down*[2]	Volume up/down*[2]	Volume up/down*[2]	Volume up/down*[2]	Volume up/down*[2]	Volume up/down*[2]	Volume up/down*[2]
CH RTN/ DVD RTN	Previous channel	Previous channel	Previous channel	---	DVD return	---	---	---
PBC/TV/VCR	Play back control	---	TV/SAT	TV/VCR	※PBC	---	---	---
RECALL	On-screen display	---	---	---	On-screen display	---	---	---

Remote control functional key chart (continued)

Key Label	Toshiba TV (TV)	Cable (CBL/SAT)	Satellite (CBL/SAT)	VCR	DVD/LD	Receiver (AUDIO)	CD (AUDIO)	PVR (VCR)
MUTE	Sound mute[*2]	Sound mute[*2]	Sound mute[*2]	Sound mute[*2]	Sound mute[*2]	Sound mute[*2]	Sound mute[*2]	Sound mute[*2]
SLOW/ ◀ DIR ▶	--- Slow FWD	------	------	※Slow FWD ---	Slow FWD Slow REW	------	------	Slow FWD ---
SKIP/ ◀ SEARCH ▶	Skip FWD Skip REW	------	------	------	Skip FWD Skip REW	------	Skip FWD Skip REW	------
REW	Rewind	---	---	Rewind	Rewind	---	Rewind	Rewind
PAUSE/STEP	Pause	---	---	Pause	Pause	---	Pause	Pause
PLAY	Play	---	---	Play	Play	---	Play	Play
FF	Fast FWD	---	---	Fast FWD	Fast FWD	---	Fast FWD	Fast FWD
OPEN/CLOSE	OPEN/ CLOSE	---	---	※OPEN/ CLOSE	OPEN/ CLOSE	---	OPEN/ CLOSE	---
DISC/AM/FM	---	---	---	---	※Disc shift	AM/FM	Disc shift	Replay
STOP	Stop	---	---	Stop	Stop	---	Stop	Stop
REC	REC Menu (Single Click)	---	---	Record (Double Click)	---	---	---	Record (Double Click)
FAV CH ▲▼	FAV channel up/down	---	---	---	---	---	---	---
ANGLE	Angle	---	---	---	Angle	---	---	---
SUBTITLE	Subtitle	---	---	---	Subtitle	---	---	---
AUDIO	Audio	---	---	---	Audio	---	---	---
A-B REPEAT	A-B Repeat	---	---	---	A-B Repeat	---	---	---
SEARCH	Search	---	---	---	Search	---	---	---
FREEZE	Freeze	←— TV	←— TV	←— TV	←— TV	←— TV	←— TV	←— TV

Notes:

- *"---" = key does not send a signal.*
- *"←—— TV" = key will operate the TV.*

*[*1] Backlight key is toggle. Does not send IR signal.*

*[*2] Volume will punch through to TV by default. When the volume is unlocked, all the devices will have their own volume if their ID has volume data. The AUDIO modes (receiver, CD) will have their own volume if volume lock is done to TV, CBL/SAT, VCR/PVR, or DVD mode. See "Using the volume lock feature" on page 30.*

※ Toshiba only

Programming the remote control to operate your other devices

Device code setup

1. Refer to the multi-brand remote control device code table on pages 31–32 to find the code for the brand of your device.

   If more than one code is listed, try each one separately until you find the one that works.
2. Press MODE until the Mode indicator for the device (CBL/SAT, VCR/PVR, DVD, AUDIO1, AUDIO2) lights up.
3. While holding down RECALL, press the Channel Number buttons to enter the four-digit code for your brand of device. If a valid code is entered, the mode indicator will blink twice. If an invalid code is entered, the mode indicator will blink one long blink.
4. Point the remote control at the device and press POWER to test the code.

   If the device responds to the remote control:

   You have entered the correct code.

   If the device does not respond to the remote control:

   You may have entered the wrong code. Repeat steps 3 and 4 using another code.

   Note: *In addition to POWER, confirm that all necessary keys on the TV remote control operate your device. If some keys are not operational, repeat the device code setup using another code (if other codes are listed for your device). If, after trying all listed codes, the necessary keys do not operate your device, use the device's original remote control.*
5. To control the TV, repeatedly press MODE to select "TV."

Note:

- *Although the TV remote control includes codes for many devices, it may not include codes for some or all of the features on certain devices you wish to control. If you are unable to program the TV remote control to operate your device or some of the features on that device, use the device's remote control or the controls on the device.*
- *Each time you change the batteries you will need to reprogram the remote control.*
- *Some newer VCRs respond to either of two codes. These VCRs have a switch labeled "VCR 1/VCR 2." If your VCR has this kind of switch and does not respond to the codes for your VCR brand, set the switch to the other position ("VCR 1" or "VCR 2") and reprogram the remote control.*

Searching and sampling the code of a device (8500)

If you do not know the device code for a particular device, you can cycle the remote control through the available codes for that device mode and sample the functions to find the code that operates the target device. The keys available to be sampled, provided they are applicable to that mode, are POWER, 1, VOL ▲, CH ▲, and PLAY. Invalid keys will be ignored while in program mode.

To cycle through each available device code and sample its functions:

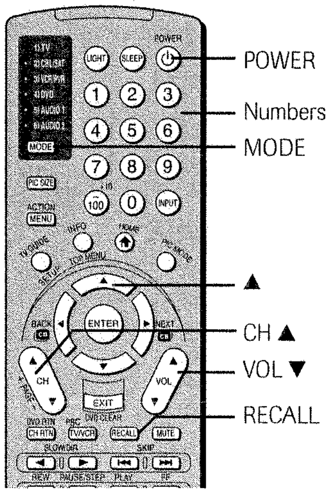
1. Press MODE to select the mode you want to set up.
2. While holding down RECALL, press 8 – 5 – 0 – 0. The remote control will enter program mode.
3. Point the remote control at the target device and press POWER (or other function buttons that are available to be sampled).
4. *If the device responds to the remote control:*

   Press RECALL to store the device code. The mode indicator will blink twice and the remote control will exit the program mode.

   If the device does not respond to the remote control:

   Press ▲, and then press POWER. Repeat this step until the device responds to the remote control, and then press RECALL.

Note: *When a search cycle is completed, the mode indicator will blink three times. The remote control will begin to cycle through the available codes again. If no key is pressed within 10 seconds while programming, the remote control will exit the program mode and return to the previous code.*



Programming the remote control to operate your other devices (continued)

Using the volume lock feature (8000)

For the TV, CABLE/SAT, VCR, and DVD modes, the volume controls (VOL ▲▼ and MUTE) can be locked to the selected device mode. This feature does not apply to the AUDIO1 and AUDIO2 modes.

To lock the volume controls to always control the CABLE/SAT device volume (for example):

1. Repeatedly press MODE to select CABLE/SAT mode.
2. While holding down RECALL, press 8 – 0 – 0 – 0.
3. Press VOL ▲.

   The CABLE/SAT mode light will blink two times (locked).

To reset the volume controls to the original device mode:

1. While holding down RECALL, press 8 – 0 – 0 – 0.
2. Press VOL ▼.

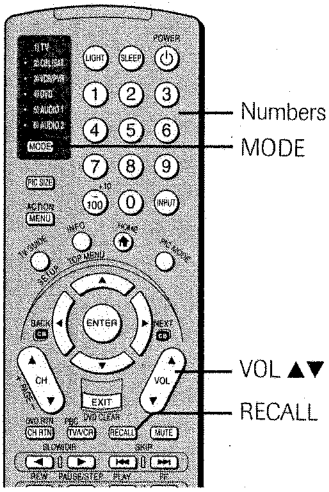
   The mode light will blink four times (unlocked).

Operational feature reset (8900)

This feature clears all setup features not related to "Device code set up" and resets the Volume Lock to "TV."

To reset the features:

While holding down RECALL, press 8 – 9 – 0 – 0. The Mode indicator will blink two times, and then pause and blink two more times.



Multi-brand remote control device codes

VCRs/PVRs

Brand	Code
ADMIRAL	0135
AIWA	0127, 0132, 0181
AKAI	0129, 0114, 0115, 0116
AUDIO DYNAMIC	0139, 0111
BELL&HOWELL	0105, 0113
BROKSONIC	0120, 0126, 0180
CANON	0123, 0125
CCE	0143
CITIZEN	0106
CRAIG	0105, 0129, 0106
CURTIS MATHES	0145, 0124, 0127
DAEWOO	0143, 0101, 0124, 0175
DBX	0139, 0110, 0111
DIMENSIA	0145
EMERSON	0143, 0126, 0119, 0103, 0125, 0142, 0120, 0118
FISHER	0105, 0108, 0109, 0107, 0113, 0165
FUNAI	0127, 0126, 0120, 0134
GE	0133, 0145, 0124
GO VIDEO	0137, 0151, 0163, 0149, 0150, 0182
GOLDSTAR	0106
GRADIENTE	0170, 0171, 0168, 0134, 0156
HITACHI	0123, 0145, 0100, 0127, 0168
INSTANT REPLAY	0124, 0123
JENSEN	0139
JVC	0139, 0110, 0111, 0134, 0157, 0158, 0184, 0185, 7104
KENWOOD	0139, 0110, 0106, 0111
LG	0159
LXI	0127, 0106, 0100, 0107, 0108, 0105, 0109
MAGNAVOX	0131, 0123, 0124, 0173
MARANTZ	0139, 0110, 0111
MARTA	0106
MEMOREX	0124, 0109
MGA	0138, 0140, 0147, 0148, 0141, 0142
MINOLTA	0100, 0145
MITSUBISHI	0138, 0140, 0147, 0148, 0141, 0142, 0161, 0164
MULTITECH	0147, 0127, 0104
NEC	0139, 0110, 0111, 0134
OLYMPIC	0124, 0123
OPTIMUS	0128, 0121, 0135, 0106
ORION	0126, 0120, 0132
PANASONIC	0123, 0124, 0121, 0122
PENNEY	0124, 0100, 0145, 0105, 0139, 0110, 0111
PENTAX	0100, 0111, 0145

VCRs/PVRs (cont.)

Brand	Code
PHILCO	0131, 0124, 0127, 0123, 0126, 0120, 0143
PHILIPS	0131, 0123, 0124, 0173
PIONEER	0123
PROSCAN	0145, 0100, 0123, 0124, 0131, 0146, 0101, 0102, 0133
QUASAR	0121, 0122, 0123, 0124
RADIO SHACK	0133, 0124, 0105, 0136, 0109, 0140, 0127
RCA	0133, 0145, 0100, 0123, 0124, 0131, 0146, 0101, 0102, 0170, 0172, 0174, 0176, 0183
REALISTIC	0124, 0105, 0136, 0109, 0140, 0127
Replay TV	7102
SAMSUNG	0137, 0102, 0104, 0133
SAMTRON	0163
SANSUI	0139, 0126, 0120, 0152
SANYO	0105, 0109, 0113
SCOTT	0101, 0102, 0104, 0109, 0138, 0140, 0147, 0148, 0126
SEARS	0105, 0106, 0107, 0108, 0100
SHARP	0135, 0136, 0167, 0162
SHINTOM	0117
SIGNATURE 2000	0127, 0135
SINGER	0117
SONY	0128, 0129, 0130, 0153, 0154, 0155, 7101
SV2000	0127
SYLVANIA	0131, 0123, 0124, 0127, 0178
SYMPHONIC	0127, 0168, 0177
TASHIRO	0106
TATUNG	0139, 0110, 0111
TEAC	0139, 0110, 0127, 0111
TECHNICS	0121, 0122, 0123, 0124
TEKNICA	0124, 0127, 0112
THOMSON	0179, 0183
Tivo	7100, 7101
TOSHIBA	0101, 0146, 0166, 0160
VECTOR RESEARCH	0111
WARDS	0135, 0136, 0109, 0144, 0106
YAMAHA	0105, 0139, 0110, 0111
ZENITH	0144, 0106, 0169, 0180

Cable boxes

Brand	Code
ABC	1124
ARCHER	1132, 1125
CABLEVIEW	1105, 1132
CITIZEN	1122, 1105
CURTIS	1112, 1113
DIAMOND	1124, 1132, 1125
EAGLE	1129
EASTERN	1134
GCBRAND	1132, 1105
GEMINI	1122, 1143
G.I./JERROLD	1119, 1124, 1125, 1126, 1127, 1120, 1121, 1122, 1111, 1123, 1152
HAMLIN	1140, 1141, 1142, 1145, 1118, 1112
HITACHI	1103, 1124
MACOM	1103, 1104, 1105, 1108
MAGNAVOX	1133
MEMOREX	1130
MOVIETIME	1132, 1105
OAK	1139, 1137, 1102
PANASONIC	1109, 1110, 1114, 1151, 1153
PHILIPS	1128, 1129, 1130, 1106, 1107, 1150, 1131
PIONEER	1101, 1116
PULSAR	1105, 1132
PUSER	1132
RCA	1115
REALISTIC	1132
REGAL	1112, 1118, 1140, 1141, 1142, 1145, 1149
REGENCY	1134
REMBRANT	1137, 1132, 1105, 1138
SAMSUNG	1105
S.A.	1111, 1112, 1113
SLMARK	1105, 1101
SPRUCER	1105, 1110
STARGATE	1132, 1105
TELECAPTION	1148
TELEVIEW	1101, 1105
TEXSCAN	1144
TOCOM	1135, 1136, 1147
TOSHIBA	1104, 1146
UNIKA	1132, 1125
UNIVERSAL	1122, 1132
VIDEOWAY	1106
VIEWSTAR	1129, 1130
ZENITH	1117, 1100
ZENITH/DRAKE SATELLITE	1100

Multi-brand remote control device codes (continued)

CD players

Brand	Code
ADMIRAL	6126
AIWA	6133, 6135
CARVER	6129
DENON	6142, 6151
EMERSON	6139
FISHER	6105, 6106
GARRARD	6117
HARMAN/KARDON	6120, 6121, 6123, 6119
HITACHI	6107
JENSEN	6134
JVC	6140, 6141, 6145, 6148, 6151
KENWOOD	6100, 6101, 6111, 6145
LXI	6136
MAGNAVOX	6129, 6132
MARANTZ	6129
MACINTOSH	6121
NAKAMICHI	6110
ONKYO	6114, 6115
OPTIMUS	6108, 6118, 6120, 6122
PANASONIC	6124, 6125, 6127, 6150
PHILIPS	6129, 6130, 6149
PIONEER	6108
QUASAR	6125, 6127, 6124
RCA	6147, 6137, 6138, 6131, 6152
SANSUI	6110, 6146, 6113
SANYO	6105
SCOTT	6110, 6146
SHARP	6142, 6143
SHERWOOD	6120
SONY	6128
SOUNDE-SIGH	6144
TEAC	6112, 6116, 6118
TECHNICS	6127, 6124, 6125
VICTOR	6140, 6141, 6145
YAMAHA	6102, 6103, 6104

Receivers

Brand	Code
ADMIRAL	4120
AIWA	4125, 4126, 4146
DENON	4134, 4135, 4136, 4143
FISHER	4104
GARRARD	4113
HARMAN KARDON	4115, 4123, 4145
JENSEN	4129
JVC	4132, 4133, 4140, 4144
KENWOOD	4100, 4108, 4141, 4142, 4147
MAGNAVOX	4127, 4128
MARANTZ	4124
MCNTOSH	4116
MITSUBISHI	4148
NAKAMICHI	4106, 4117
ONKYO	4109, 4114
OPTIMUS	4103, 4127, 4131, 4130
PANASONIC	4119, 4118, 4121
PHILIPS	4123
PIONEER	4105, 4107, 4150
QUASAR	4119, 4118, 4121
RCA	4103, 4105, 4127, 4131, 4130, 4149
SANSUI	4103, 4111, 4139
SHARP	4134, 4137
SONY	4122
SOUNDE-SIGH	4138
TEAC	4112, 4113, 4111, 4110
TECHNICS	4121, 4118, 4119
VICTOR	4132, 4133
YAMAHA	4101, 4102

Laser disks

Brand	Code
DENON	5114
HITACHI	5100
KENWOOD	5102, 5103
MAGNAVOX	5101
MARANTZ	5114
MITSUBISHI	5114, 5118, 5119
NEC	5114
PANASONIC	5104, 5105, 5106, 5115
PHILIPS	5111
PIONEER	5114
PROSCAN	5114
QUASAR	5104, 5105, 5106, 5115
RCA	5114
SAMSUNG	5112
SANYO	5114, 5117
SHARP	5113, 5116
SONY	5107, 5108, 5109, 5110
TEAC	5114
TOSHIBA	5114
YAMAHA	5101

DVD players

Brand	Code
AIWA	3123
APEX	3120
DENON	3100, 3117
FERGUSON	3101
HITACHI	3111
JVC	3109
KENWOOD	3115, 3129
KONKA	3119
MITSUBISHI	3105
NORDMENDE	3101
ONKYO	3121
ORITRON	3124
PANASONIC	3100
PHILIPS	3103, 3116
PIONEER	3102
RAITE	3113
RCA	3101, 3106
SABA	3101
SAMPO	3114
SAMSUNG	3110
SHARP	3108
SYLVANIA	3132, 3118
SMC	3125
SONY	3104, 3126, 3127, 3128
TECHNICS	3100
THOMSON	3101
TOSHIBA	3103
WAVE	3122
YAMAHA	3100, 3130
ZENITH	3107, 3112
VIALTA	3131
FUNAI	3132, 3118

Satellite receivers

Brand	Code
DISH NETWORK (Echostar)	2105, 2115, 2116, 2117
ECHOSTAR	2105
EXPRESS VU	2105, 2115
G.E.	2106
G.I.(GENERAL INSTRUMENT)	2108
GRADIENTE	2114
HITACHI	2103, 2111, 2112
HNS(Hughes)	2103
MAGNAVOX	2101, 2102
PANASONIC	2104
PHILIPS	2101, 2102, 2118
PRIMESTAR	2108
PROSCAN	2106, 2109, 2110, 2113
RCA	2106, 2109, 2110, 2113
SONY	2107
STAR CHOICE	2103, 2108
TOSHIBA	2100, 2103, 2119, 2120, 2121, 2122, 2123, 2124, 2125
UNIDEN	2101, 2102

4 Menu layout and navigation

The illustrations below and on the next page provide a quick overview of your TV's menu system.

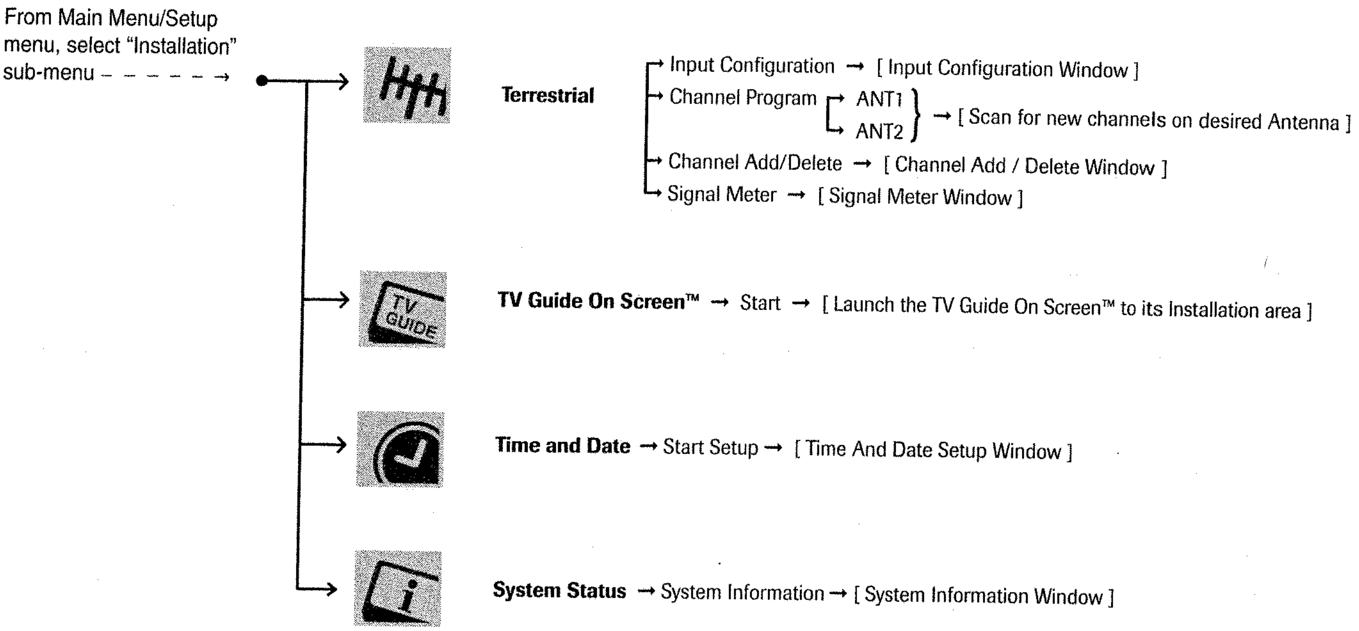
Main menu layout

To open the main menus (illustrated below), press MENU on the remote control or TV top panel.

- **Applications**
  - TV Guide On Screen™ → Launch Gemstar / TV GUIDE
  - Digital CC/Audio Selector → Launch the ATSC Digital CC Selector
  - CableCARD™ → Dynamic list of items provided by inserted CableCard™. This option is not available if CableCard™ is not inserted.
- **Video**
  - Picture Settings → [Picture Settings Edit Window]
  - Advanced Picture Settings → [Advanced Picture Settings Edit Window]
  - Theater Settings → [Theater Settings Edit Window]
- **Audio**
  - Audio Settings → [Audio Settings Window]
  - Advanced Audio Settings → [Advanced Audio Settings Window]
  - Audio Setup → [Audio Setup Window]
- **Preferences**
  - Favorite Channels → [Favorite Channels Edit Window]
  - Closed Caption Mode → Off / CC1 / CC2 / CC3 / CC4 / T1 / T2 / T3 / T4
  - Closed Caption Advanced → [Advanced Closed Captions Window]
  - Input Labeling → [Input Labeling Edit Window]
  - Menu Language → English / Français / Español
  - Home CH Setup → [Home CH Setup Window]
- **Locks**
  - Enable Rating Blocking → Off / On
  - Edit Rating Limits → [Edit Rating Limits Edit Window]
  - Channels Block → [Channels Block Edit Window]
  - Input Lock → Off / Video / Video +
  - Front Panel Lock → Off / On
  - GameTimer™ → Off / 30 Min / 60 Min / 90 Min / 120 Min
  - New PIN Code → [New PIN Code Entry Window]
- **Setup**
  - Installation → [Installation sub menu is launched (see page 34 for defails)]
  - Sleep Timer → [Sleep Timer Edit Window]
  - On/Off Timer → [On/Off Timer window]
  - PC Settings → [PC Settings Edit Window]
  - HDMI Audio → Auto / Digital / Analog
  - Gray Level → 1 / 2 / 3

Setup / Installation menu layout

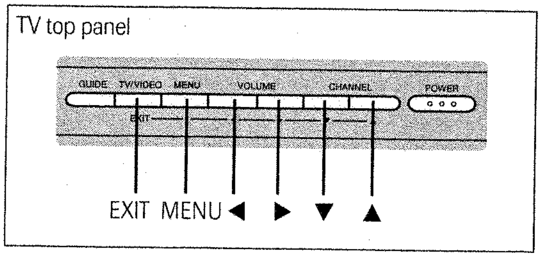
To open the Installation menu (illustrated below), press MENU on the remote control or TV top panel, open the Setup menu, select Installation, and press ENTER.

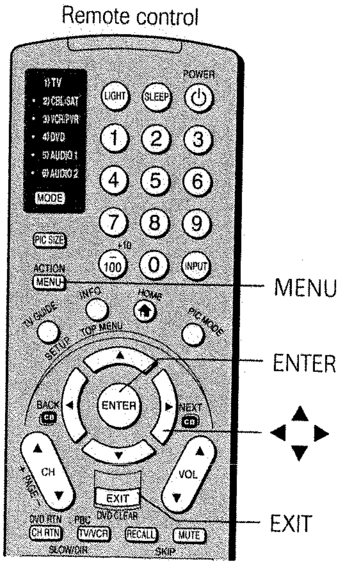

From Main Menu/Setup menu, select "Installation" sub-menu
Terrestrial
Input Configuration → [Input Configuration Window]
Channel Program → ANT1 / ANT2 → [Scan for new channels on desired Antenna]
Channel Add/Delete → [Channel Add / Delete Window]
Signal Meter → [Signal Meter Window]
TV Guide On Screen™ → Start → [Launch the TV Guide On Screen™ to its Installation area]
Time and Date → Start Setup → [Time And Date Setup Window]
System Status → System Information → [System Information Window]

Navigating the menu system

You can use the buttons on the remote control or TV top panel to access and navigate your TV's on-screen menu system.

- Press MENU to open the menu system.
- Use the up/down/left/right arrow buttons (▲▼◀▶) on the remote control or TV top panel to move in the corresponding direction in a menu.
- Press ENTER to save your menu settings or select a highlighted item. (A highlighted menu item appears in a different color in the menu.)
- All menus close automatically if you do not make a selection within 60 seconds except the signal meter menu which closes automatically after 5 minutes.
- To close a menu instantly, press EXIT.


TV top panel
GUIDE
TV/VIDEO
MENU
VOLUME
CHANNEL
POWER
EXIT
EXIT MENU ◀ ▶ ▼ ▲


Remote control
MENU
ENTER
▲◀▶▼
EXIT

5 TV Guide On Screen™ setup

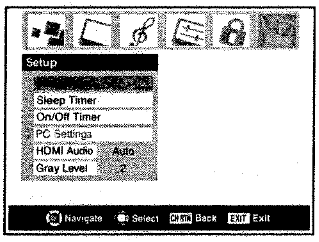
Setting up the TV Guide On Screen™ system

The TV Guide On Screen™ system in your TV is a free interactive program guide that uses the information you enter during the following setup process to provide you with a channel lineup and program listings for your area. The listings are automatically updated several times a day.

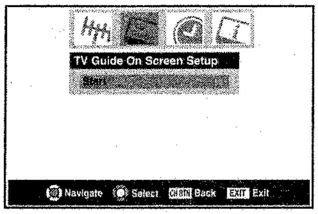
Note:

You must first set up your TV according to the applicable connection instructions in Chapter 2.

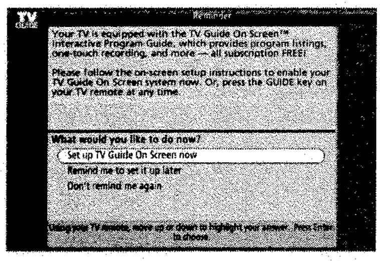
1. Press MENU and open the Setup menu.
2. Highlight Installation and press ENTER.


Setup
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio
Auto
Gray Level
2
Navigate
Select
CH RTN Back
EXIT Exit

3. A new set of Installation menu icons appears on-screen (see illustration at right). Open the TV Guide On Screen™ Setup menu, highlight Start, and press ENTER.


TV Guide On Screen Setup
Start
Navigate
Select
CH RTN Back
EXIT Exit

4. The following screen appears. Highlight "Set up TV Guide On Screen™ now" and press ENTER to continue.


TV GUIDE
Reminder

Your TV is equipped with the TV Guide On Screen™ interactive Program Guide, which provides program listings, one-touch recording, and more — all subscription FREE!

Please follow the on-screen setup instructions to enable your TV Guide On Screen system now. Or, press the GUIDE key on your TV remote at any time.

What would you like to do now?

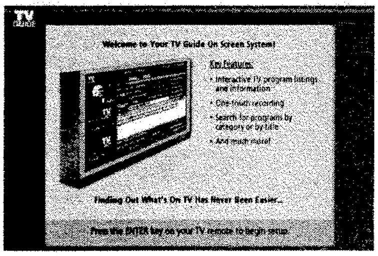
Set up TV Guide On Screen now

Remind me to set it up later

Don't remind me again

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

5. The following screen appears. Press ENTER to continue.



Welcome to Your TV Guide On Screen System!

Key Features:

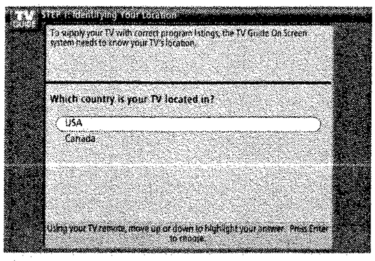
- Interactive TV program listings and information
- One-touch recording
- Search for programs by category or by title
- And much more!

Finding Out What's On TV Has Never Been Easier...

Press the ENTER key on your TV remote to begin setup.

Configuring the location of your TV

Screen 1: Select the TV location (USA or Canada), and then press ENTER.


TV GUIDE
STEP 1: Identifying Your Location

To supply your TV with correct program listings, the TV Guide On Screen system needs to know your TV's location.

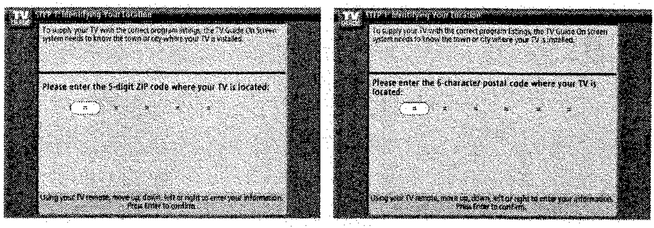
Which country is your TV located in?

USA

Canada

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 2: Enter the ZIP code (U.S.A.) or postal code (Canada) for your location (use the Number buttons on the remote control for numbers and ▲▼ for letters), and then press ENTER. Screen 3 appears.


TV GUIDE
STEP 1: Identifying Your Location
TV GUIDE
STEP 1: Identifying Your Location

To supply your TV with the correct program listings, the TV Guide On Screen system needs to know the town or city where your TV is installed.

Please enter the 5-digit ZIP code where your TV is located:

Using your TV remote, move up, down, left or right to enter your information. Press Enter to confirm.

To supply your TV with the correct program listings, the TV Guide On Screen system needs to know the town or city where your TV is installed.

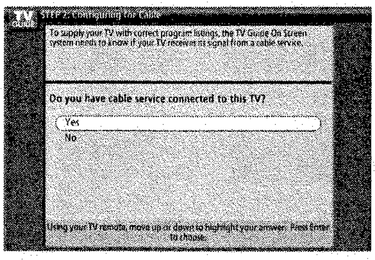
Please enter the 6-character postal code where your TV is located:

Using your TV remote, move up, down, left or right to enter your information. Press Enter to confirm.

Screen 3: Do you have Cable service connected?

If you select Yes (and press ENTER), screen 4 appears.

If you select No (and press ENTER), screen 12 appears.


TV GUIDE
STEP 2: Configuring for Cable

To supply your TV with correct program listings, the TV Guide On Screen system needs to know if your TV receives its signal from a cable service.

Do you have cable service connected to this TV?

Yes

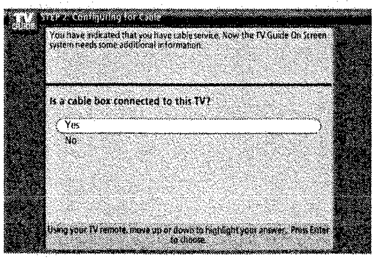
No

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 4: Do you have a Cable box connected?

If you select Yes (and press ENTER), screen 5 appears.

If you select No (and press ENTER), screen 13 appears.


TV GUIDE
STEP 2: Configuring for Cable

You have indicated that you have cable service. Now the TV Guide On Screen system needs some additional information.

Is a cable box connected to this TV?

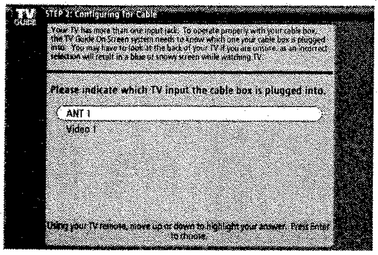
Yes

No

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Setting up the TV Guide On Screen™ system (continued)

Screen 5: Which TV input is your cable box plugged into?
If you select ANT 1, screen 6 appears.
If you select Video 1, screen 7 appears.



STEP 2: Configuring for Cable

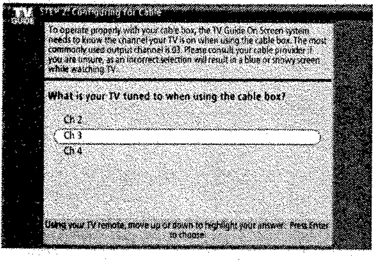
Your TV has more than one input jack. To operate properly with your cable box, the TV Guide On Screen system needs to know which one your cable box is plugged into. You may have to look at the back of your TV if you are unsure, as an incorrect selection will result in a blue or snowy screen while watching TV.

Please indicate which TV input the cable box is plugged into.

ANT 1
Video 1

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 6: Select the channel your TV is tuned to when using your cable box, and then press ENTER. Screen 7 appears.



STEP 2: Configuring for Cable

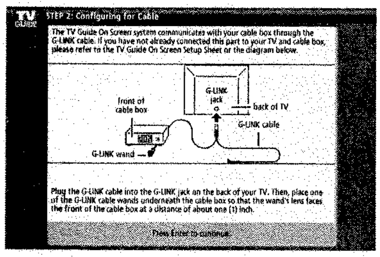
To operate properly with your cable box, the TV Guide On Screen system needs to know the channel your TV is on when using the cable box. The most commonly used output channel is 03. Please consult your cable provider if you are unsure, as an incorrect selection will result in a blue or snowy screen while watching TV.

What is your TV tuned to when using the cable box?

Ch 2
Ch 3
Ch 4

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 7: The on-screen diagram shows the correct way to connect your Cable box to the G-LINK™ terminal on the TV. **Make sure the G-LINK™ cable is installed properly. For additional details, see page 23.**
Press ENTER to display screen 8.



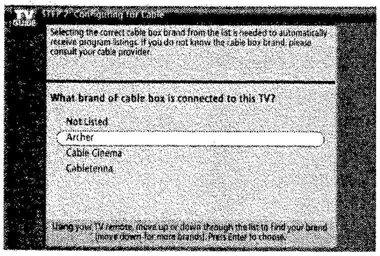
STEP 2: Configuring for Cable

The TV Guide On Screen system communicates with your cable box through the G-LINK cable. If you have not already connected this part to your TV and cable box, please refer to the TV Guide On Screen Setup Sheet or the diagram below.

Plug the G-LINK cable into the G-LINK jack on the back of your TV. Then, place one of the G-LINK cable wands underneath the cable box so that the wand's lens faces the front of the cable box at a distance of about one (1) inch.

Press Enter to continue.

Screen 8: Highlight your Cable box brand, and then press ENTER to display screen 9.



STEP 2: Configuring for Cable

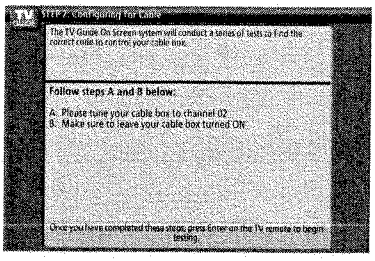
Selecting the correct cable box brand from the list is needed to automatically receive program listings. If you do not know the cable box brand, please consult your cable provider.

What brand of cable box is connected to this TV?

Not Listed
Archer
Cable Cinema
Cabletenna

Using your TV remote, move up or down through the list to find your brand (move down for more brands). Press Enter to choose.

Screen 9: To allow the TV Guide On Screen™ system to find the correct code for your brand of Cable box, tune your Cable box to channel 02, leave the Cable box and TV ON, and then press ENTER. Screen 10 appears.



STEP 2: Configuring for Cable

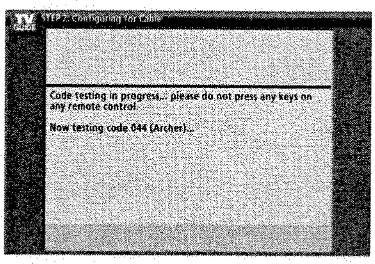
The TV Guide On Screen system will conduct a series of tests to find the correct code to control your cable box.

Follow steps A and B below:

A. Please tune your cable box to channel 02
B. Make sure to leave your cable box turned ON

Once you have completed these steps, press Enter on the TV remote to begin testing.

Screen 10: The TV Guide On Screen™ system will test the code for the brand of Cable box you selected. Do not press any keys on the TV, remote control, or Cable box until the testing process is completed. When testing is completed, screen 11 appears.

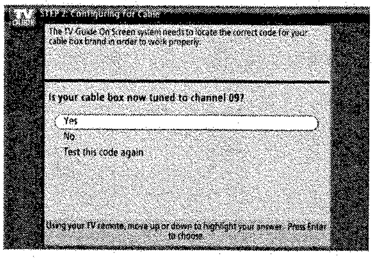


STEP 2: Configuring for Cable

Code testing in progress... please do not press any keys on any remote control.

Now testing code 044 (Archer)...

Screen 11: If your Cable box tuned itself to channel 09 after testing, select Yes and press ENTER. If you selected ANT 1 in screen 5, screen 13 appears. If you selected Video 1 in screen 5, screen 12 appears.



STEP 2: Configuring for Cable

The TV Guide On Screen system needs to locate the correct code for your cable box brand in order to work properly.

Is your cable box now tuned to channel 09?

Yes
No
Test this code again

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

If your Cable box did not tune itself to channel 09 after testing and you want to test the same code again, select Test this code again and press ENTER.

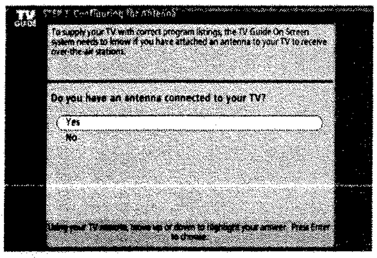
If you want to test a different code, select No and press ENTER. Screen 10 appears.

Note: *Many cable boxes require testing more than one code.*

Setting up the TV Guide On Screen™ system (continued)

Screen 12: Do you have an antenna connected?
Select either Yes or No, and then press ENTER. Screen 13 appears.

Note: *If you selected No in screen 3, you must select Yes in this screen to receive a channel lineup and program listings.*



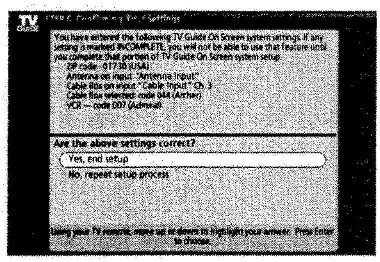
To supply your TV with correct program listings, the TV Guide On Screen system needs to know if you have attached an antenna to your TV to receive over-the-air stations.

Do you have an antenna connected to your TV?

[✓ Yes]
No

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 13: Are the settings correct?
If you select Yes, screen 14 appears.
If you select No, screen 1 appears.



You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use that feature until you complete that portion of TV Guide On Screen system setup.
ZIP code - 01730 (USA)
Antenna on input "Antenna Input"
Cable Box on input "Cable Input" Ch. 3
Cable Box selected: code 044 (Archer)
VCR — code 007 (Admiral)

Are the above settings correct?

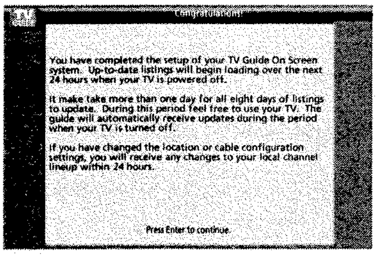
[✓ Yes, end setup]
No, repeat setup process

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 14: Congratulations! You have completed basic TV Guide On Screen™ system setup.

Note: *Read the on-screen information regarding the amount of time it may take for listing information to download from the TV Guide On Screen™ service.*

Press ENTER to display screen 15.



Congratulations!

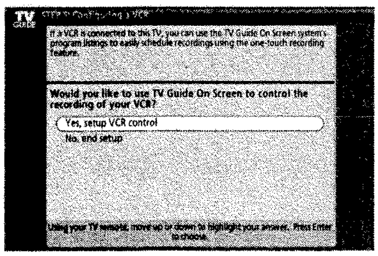
You have completed the setup of your TV Guide On Screen system. Up-to-date listings will begin loading over the next 24 hours when your TV is powered off.

It make take more than one day for all eight days of listings to update. During this period feel free to use your TV. The guide will automatically receive updates during the period when your TV is turned off.

If you have changed the location or cable configuration settings, you will receive any changes to your local channel lineup within 24 hours.

Press Enter to continue.

Screen 15: Is a VCR connected?
If you select Yes, screen 16 appears.
If you select No, screen 21 appears.



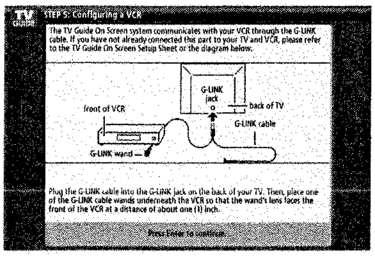
If a VCR is connected to this TV, you can use the TV Guide On Screen system's program listings to easily schedule recordings using the one-touch recording feature.

Would you like to use TV Guide On Screen to control the recording of your VCR?

[✓ Yes, setup VCR control]
No, end setup

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

Screen 16: The on-screen diagram shows the correct way to connect your VCR to the G-LINK™ terminal on the TV. **Make sure the G-LINK™ cable is installed properly. For additional details, see page 23.**
Press ENTER to display screen 17.



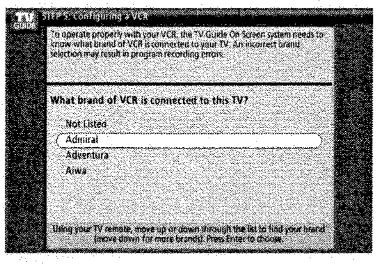
STEP 5: Configuring a VCR

The TV Guide On Screen system communicates with your VCR through the G-LINK cable. If you have not already connected this part to your TV and VCR, please refer to the TV Guide On Screen Setup Sheet or the diagram below.

Plug the G-LINK cable into the G-LINK jack on the back of your TV. Then, place one of the G-LINK cable wands underneath the VCR so that the wand's lens faces the front of the VCR at a distance of about one (1) inch.

Press Enter to continue.

Screen 17: Select your VCR brand, and then press ENTER. Screen 18 appears.



STEP 5: Configuring a VCR

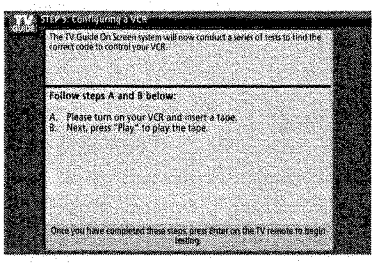
To operate properly with your VCR, the TV Guide On Screen system needs to know what brand of VCR is connected to your TV. An incorrect brand selection may result in program recording errors.

What brand of VCR is connected to this TV?

Not Listed
[✓ Admiral]
Adventura
Aiwa

Using your TV remote, move up or down through the list to find your brand (move down for more brands). Press Enter to choose.

Screen 18: Turn on your VCR, insert a tape (either blank or previously recorded), and then press PLAY. Screen 19 appears.



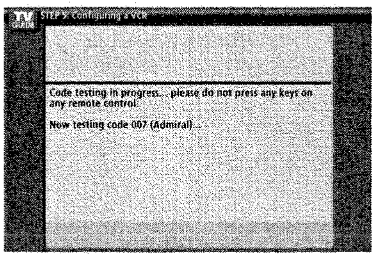
The TV Guide On Screen system will now conduct a series of tests to find the correct code to control your VCR.

Follow steps A and B below:

A. Please turn on your VCR and insert a tape.
B. Next, press "Play" to play the tape.

Once you have completed these steps, press Enter on the TV remote to begin testing.

Screen 19: The TV Guide On Screen™ system will test the code for the brand of VCR you selected. Do not press any keys on the TV, remote control, or VCR until the testing process is completed. When testing is completed, screen 20 appears.

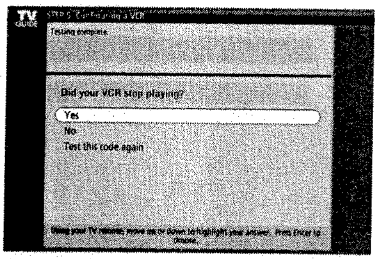


Code testing in progress... please do not press any keys on any remote control.

Now testing code 007 (Admiral)...

Setting up the TV Guide On Screen™ system (continued)

Screen 20: If your VCR stopped playing the tape after testing, select Yes and press ENTER. Screen 21 appears.



Testing complete.

Did your VCR stop playing?

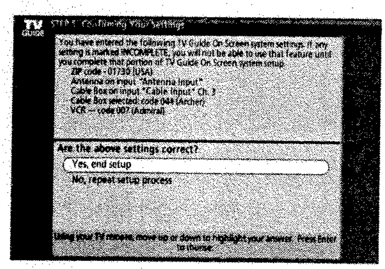
Yes
No
Test this code again

If your VCR did not stop playing the tape after testing and you want to test the same code again, select Test this code again and press ENTER.

If you want to test a different code, select No and press ENTER. Screen 19 appears.

Note: *Many VCRs require testing more than one code.*

Screen 21: Review the setup information displayed on your TV screen (an example is shown below).



You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use that feature until you complete that portion of TV Guide On Screen system setup.
ZIP code - 01730 (USA)
Antenna on input "Antenna Input"
Cable Box on input "Cable Input" Ch. 3
Cable Box selected: code 044 (Archer)
VCR — code 007 (Admiral)

Are the above settings correct?

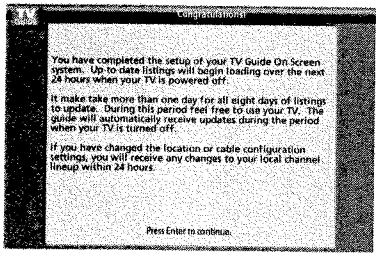
Yes, end setup
No, repeat setup process

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

If the information on your TV screen is correct for your setup, select Yes, end setup and press ENTER. Screen 22 appears.

If the information is incorrect, select No, repeat setup process and press ENTER. Screen 1 appears.

Screen 22: Congratulations! You have successfully completed TV Guide On Screen™ system setup. Press ENTER to display screen 23.



Congratulations!

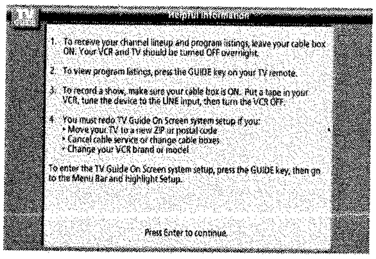
You have completed the setup of your TV Guide On Screen system. Up-to-date listings will begin loading over the next 24 hours when your TV is powered off.

It make take more than one day for all eight days of listings to update. During this period feel free to use your TV. The guide will automatically receive updates during the period when your TV is turned off.

If you have changed the location or cable configuration settings, you will receive any changes to your local channel lineup within 24 hours.

Press Enter to continue.

Screen 23: This screen provides helpful information on using your TV Guide On Screen™ system.
Press ENTER to exit the TV Guide On Screen™ setup and watch TV.



Helpful Information

1. To receive your channel lineup and program listings, leave your cable box ON. Your VCR and TV should be turned OFF overnight.
2. To view program listings, press the GUIDE key on your TV remote.
3. To record a show, make sure your cable box is ON. Put a tape in your VCR, tune the device to the LINE input, then turn the VCR OFF.
4. You must redo TV Guide On Screen system setup if you:
   - Move your TV to a new ZIP or postal code
   - Cancel cable service or change cable boxes
   - Change your VCR brand or model

To enter the TV Guide On Screen system setup, press the GUIDE key, then go to the Menu Bar and highlight Setup.

Press Enter to continue.

TV Guide On Screen™ Reminder

The TV Guide On Screen™ system receives program listings data through your Cable or over-the-air video signal. In order to receive regular program listing updates, remember to do the following:

1. Leave the TV in standby mode when it is not in use (such as overnight or when you are not watching it) by turning it OFF but leaving the power cord plugged in.
2. If you have a Cable box connected, leave it ON.
3. If you have a VCR connected, turn it OFF when not in use. (Do not unplug the power cord.) See page 16 for VCR connection instructions.
4. If you have more than one Cable system in your area, you may be prompted to select which Cable system's program data to download. If so prompted, follow the on-screen instructions.

Turning off the TV Guide On Screen™ automatic display feature

After you set up the TV Guide On Screen® system, the program guide will display automatically (by default) when you turn on the TV. To turn off the automatic program guide:

1. Press TV GUIDE on the remote control to open the TV Guide On Screen™ system (if it is not already open).
2. Use ◀ ▶ to select the Setup menu.
3. Use ▲▼ to select Change Default Options, and then press ENTER.
4. Use ▲▼ to select General Defaults, and then press ENTER.
5. Set the Auto Guide option to Off.
6. Use ▲▼ to select Done, and then press ENTER.

6 Setting up your TV

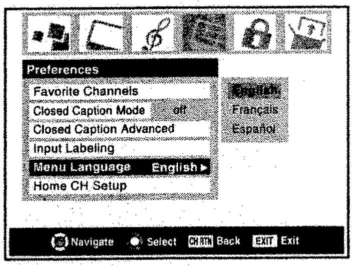
For menu navigation instructions, see Chapter 4.

Selecting the menu language

You can choose from three different languages (English, French and Spanish) for the on-screen display menus and messages. (The TV Guide On Screen™ menus are in English, regardless of the language selected in this menu.)

To select the menu language:

1. Press MENU and open the Preferences menu.
2. Highlight Menu Language and then press ▶.
3. Press ▲▼ to select your preferred menu language and then press ENTER.


Preferences
Favorite Channels
Closed Caption Mode
Closed Caption Advanced
Input Labeling
Menu Language
Home CH Setup
English
Français
Español
Navigate
Select
CH RTN Back
EXIT Exit

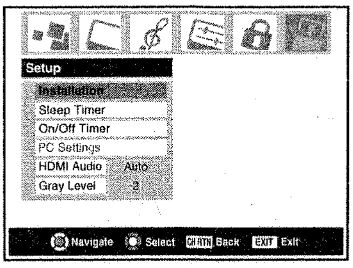
Closed Caption Mode: Off

Menu Language: English ▶

Configuring the antenna input sources

To configure the ANT 1 and ANT 2 input sources:

1. Press MENU and open the Setup menu.
2. Highlight Installation and press ENTER. (A new set of Installation menu icons will appear on-screen, as shown in step 3 below.)

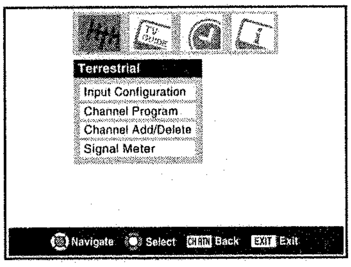

Setup
Installation
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio
Gray Level
Navigate
Select
CH RTN Back
EXIT Exit

HDMI Audio: Auto

Gray Level: 2

3. Open the Terrestrial menu, highlight Input Configuration, and press ENTER.

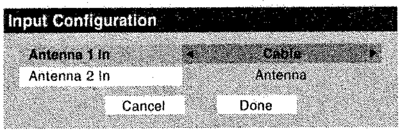
   Note: *The Terrestrial menu may not be accessible (items will be "grayed out") in some instances (for example, if a cable box is connected to the ANT 1 input or if one of the VIDEO modes is the current input during TV Guide On Screen™ setup).*


Terrestrial
Input Configuration
Channel Program
Channel Add/Delete
Signal Meter
Navigate
Select
CH RTN Back
EXIT Exit

4. Press ◀▶ to select the input source (Cable or Antenna) for the ANT 1 input on the TV.

   Note: *If a cable box is connected to the ANT 1 input during TV Guide On Screen™ setup, the entire Terrestrial menu will not be accessible, including the input source for ANT 1, which will automatically display "Cable Box."*

5. Press ▼ and then ◀▶ to select the input source (Cable or Antenna) for the ANT 2 input on the TV, if applicable. If you have not connected anything to ANT 2, skip this step.


Input Configuration
Cancel
Done

Antenna 1 In ◀ Cable ▶

Antenna 2 In Antenna

6. To save your new settings, highlight Done and press ENTER. To revert to your original settings, highlight Cancel and press ENTER.

Programming channels into the TV's channel memory

When you press CHANNEL ▲▼ on the remote control or TV top panel, your TV will stop only on the channels stored in the TV's channel memory.

Follow the steps below to program channels into the TV's channel memory.

Programming channels automatically

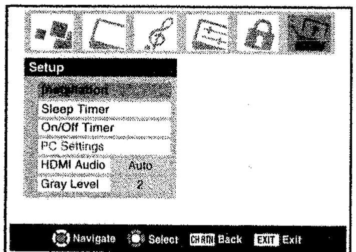
Your TV can automatically detect all active channels in your area and store them in its memory. After the channels are programmed automatically, you can manually add or erase individual channels.

Note:

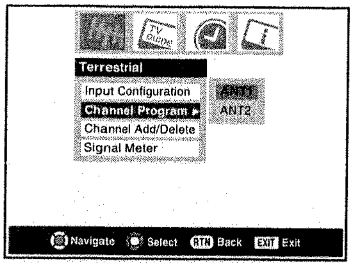
- *You must configure the antenna input sources before programming channels (see page 39).*
- *If the input signal type is set to Cable for an antenna input, the automatic channel programming process erases channels that were previously programmed into the TV's memory.*
- *If the input signal type is set to Antenna, the automatic channel programming process does NOT erase channels that were previously programmed into the TV's memory, but adds newly found channels to the existing set of programmed channels. To remove a channel from the memory, you must manually delete it (see next page).*
- *To tune the TV to a channel not programmed in the channel memory, you must use the Channel Number buttons on the remote control.*
- *Programming channels for an antenna input configured for Cable will take substantially longer than for an antenna input configured for Antenna. This is normal; however, once channel programming is completed, you should not have to repeat the programming process again unless your Cable TV service lineup changes significantly.*
- *If you have a CableCARD™ inserted (page 15), channel programming for ANT 1 is disabled because the CableCARD™ automatically loads the Cable channel list into the TV's channel memory.*

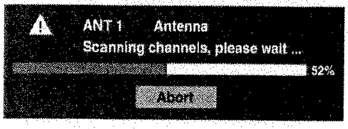
To program channels automatically:

1. Make sure you have configured the antenna input sources. See page 39 for details.
2. Press MENU and open the Setup menu.
3. Highlight Installation and press ENTER. (A new set of Installation menu icons will appear on-screen.)


Setup
Installation
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio Auto
Gray Level 2
Navigate Select CH RTN Back EXIT Exit

4. Open the Terrestrial menu, highlight Channel Program, and press ENTER.
5. Highlight ANT 1 or ANT 2, depending on which antenna input you want to program channels for, and then press ENTER to start automatic channel programming.

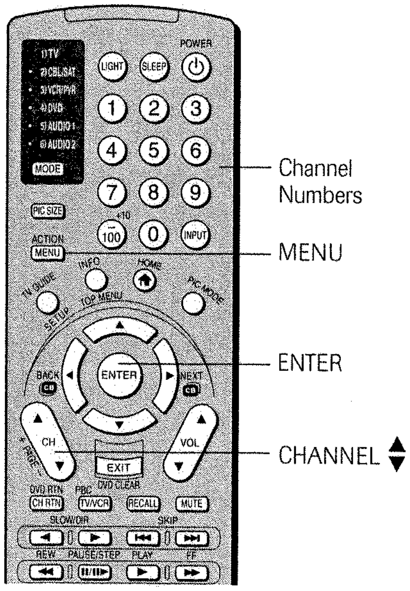

Terrestrial
Input Configuration
Channel Program ▸
Channel Add/Delete
Signal Meter
ANT1
ANT2
Navigate Select RTN Back EXIT Exit


ANT 1 Antenna
Scanning channels, please wait ...

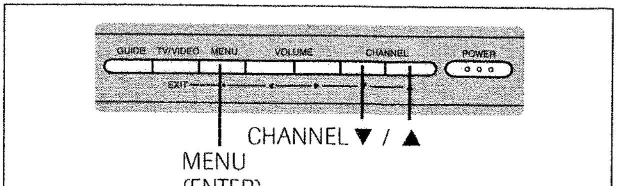
The TV will automatically cycle through all the channels for the antenna input you selected, and store all active channels in the channel memory. While the TV is cycling through the channels, the message "Scanning channels, please wait" appears (as shown above).

6. To cancel channel programming, either press EXIT or highlight Abort in the on-screen display and press ENTER.

When channel programming is done, press CHANNEL ▲▼ to view the programmed channels.


Channel Numbers
MENU
ENTER
CHANNEL ▲▼

TV top panel


GUIDE TV/VIDEO MENU VOLUME CHANNEL POWER
EXIT
CHANNEL ▼ / ▲
MENU
(ENTER)

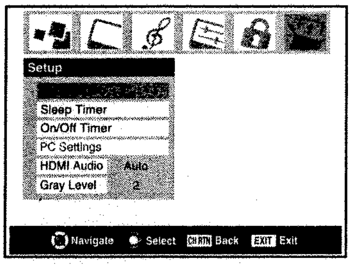
Programming channels into the TV's channel memory (continued)

Manually adding and deleting channels in the channel memory

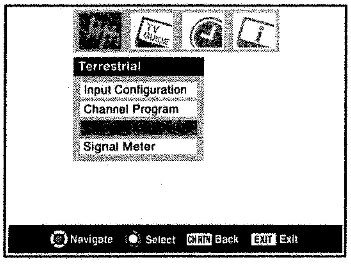
After automatically programming channels into the channel memory, you can manually add or delete individual channels.

To add or delete channels in the channel memory:

1. Press MENU and open the Setup menu.
2. Highlight Installation and press ENTER. (A new set of Installation menu icons will appear on-screen, as shown in step 3).

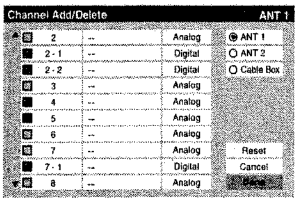


3. Open the Terrestrial menu, highlight Channel Add/Delete, and then press ENTER.



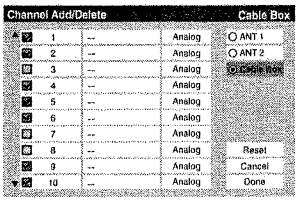
4. The illustration below left shows channels programmed for the ANT 1 antenna input. To view the list of channels programmed for ANT 2 or Cable box antenna input, use ▲▼ to select the "ANT 2" or "Cable Box" and press ENTER.

Note: *"Cable Box" will appear only if you connected a cable box to your TV.*



Channel Add/Delete ANT 1

☐	2	--	Analog	● ANT 1
☑	2-1	--	Digital	○ ANT 2
☑	2-2	--	Digital	○ Cable Box
☐	3	--	Analog	
☑	4	--	Analog	
☑	5	--	Analog	
☐	6	--	Analog	
☐	7	--	Analog	Reset
☑	7-1	--	Digital	Cancel
☐	8	--	Analog	Done



Channel Add/Delete Cable Box

☑	1	--	Analog	○ ANT 1
☑	2	--	Analog	○ ANT 2
☐	3	--	Analog	● Cable Box
☑	4	--	Analog	
☑	5	--	Analog	
☑	6	--	Analog	
☐	7	--	Analog	
☐	8	--	Analog	Reset
☑	9	--	Analog	Cancel
☑	10	--	Analog	Done

To add a channel to the channel memory:

Highlight the unchecked box next to the channel number you want to add, and then press ENTER to check the box.

To manually add digital subchannels on a physical channel:

Use the Channel Numbers and the Dash (–/100) on the remote control to enter the channel number (for example, 56–1).

If the channel is found, the number will be added to the list and the box will be checked.

If the channel is not found, a message will appear.

To remove a channel from the channel memory:

Highlight the checked box next to the channel number you want to remove, and then press ENTER to uncheck the box.

To save your new settings:

Highlight Done and press ENTER.

To revert to your original settings:

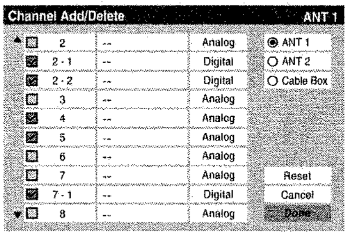
Highlight Cancel and press ENTER before saving.

To remove all channels from the channel memory:

Highlight Reset and press ENTER.

Note:

- *This action applies to the current antenna input only. To delete/add channels on the other input, highlight the input you want (ANT1 or ANT 2) and press ENTER.*
- *This action cannot be cancelled unless you highlight Cancel and press ENTER before saving your changes.*



Channel Add/Delete ANT 1

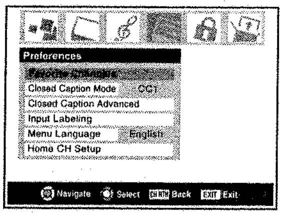
☐	2	--	Analog	● ANT 1
☑	2-1	--	Digital	○ ANT 2
☑	2-2	--	Digital	○ Cable Box
☐	3	--	Analog	
☑	4	--	Analog	
☑	5	--	Analog	
☐	6	--	Analog	
☐	7	--	Analog	Reset
☑	7-1	--	Digital	Cancel
☐	8	--	Analog	Done

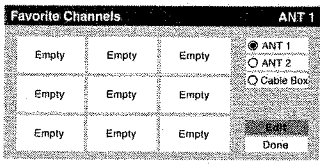
Programming your favorite channels

You can program up to 27 channels as favorite channels into three Favorite Channel sets (nine channels from the ANT 1 input, nine from the ANT 2 input, and nine from the Cable Box input). You can then scan through your favorite channels only, skipping other channels you do not normally watch.

To add and delete channels in the Favorite Channels sets:

1. Press MENU and open the Preferences menu.
2. Highlight Favorite Channels and press ENTER.
3. Use ▲▼ to select either ANT 1, ANT 2, or Cable Box and press ENTER.
4. Highlight Edit and press ENTER.


Preferences
Favorite Channels
Closed Caption Mode
CC1
Closed Caption Advanced
Input Labeling
Menu Language
English
Home CH Setup
Navigate
Select
CH RTN Back
EXIT Exit

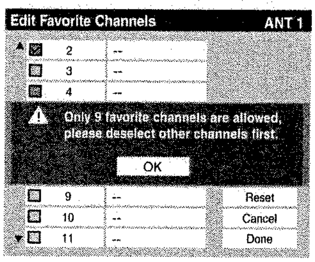

Favorite Channels
ANT 1
● ANT 1
○ ANT 2
○ Cable Box
Edit
Done

Empty	Empty	Empty
Empty	Empty	Empty
Empty	Empty	Empty

To add a channel to the selected Favorite Channel set:
Use ▲▼ to highlight an unchecked box next to the channel you want to set as a favorite, and then press ENTER to check the box.

To delete the channel from the Favorite selected Channels set:
Highlight a checked box and press ENTER to uncheck it.

Note: *If you try to add more than nine favorite channels per input, an error message will appear. You will need to delete (Uncheck) a channel before you can add another.*


Edit Favorite Channels
ANT 1
OK
Reset
Cancel
Done

☑ 2 --
☐ 3 --
☑ 4 --
☐ 9 --
☐ 10 --
☐ 11 --

Only 9 favorite channels are allowed, please deselect other channels first.

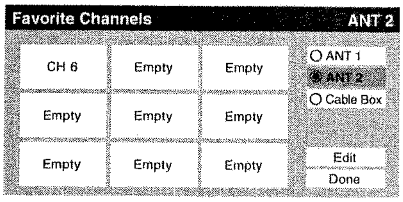
When done, highlight Done and press ENTER.

To program favorite channels for another input:

Either... Highlight ANT 1, ANT 2, or Cable Box which will change the favorite channel settings in the selected input. (This will not change the TV's current input.)

Or... Press INPUT to select ANT 1, ANT2, or Cable Box and then repeat steps 1–4.

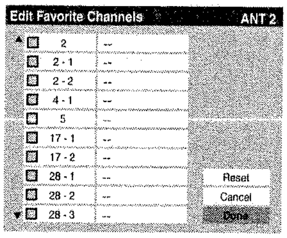
Note: *"Cable Box" will appear only if you connected a cable box to your TV.*


Favorite Channels
ANT 2
○ ANT 1
● ANT 2
○ Cable Box
Edit
Done

CH 6	Empty	Empty
Empty	Empty	Empty
Empty	Empty	Empty

To clear your favorite channel lists:

1. Press MENU and open the Preferences menu.
2. Highlight Favorite Channels and press ENTER.
3. Highlight Edit and press ENTER.
4. Highlight Reset and press ENTER.
5. Highlight Done and press ENTER.


Edit Favorite Channels
ANT 2
Reset
Cancel
Done

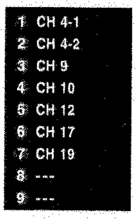
☐ 2 --
☐ 2 - 1 --
☐ 2 - 2 --
☐ 4 - 1 --
☐ 5 --
☐ 17 - 1 --
☐ 17 - 2 --
☐ 28 - 1 --
☐ 28 - 2 --
☐ 28 - 3 --

To tune your favorite channels for the current input:

Press FAV CH ▲▼.

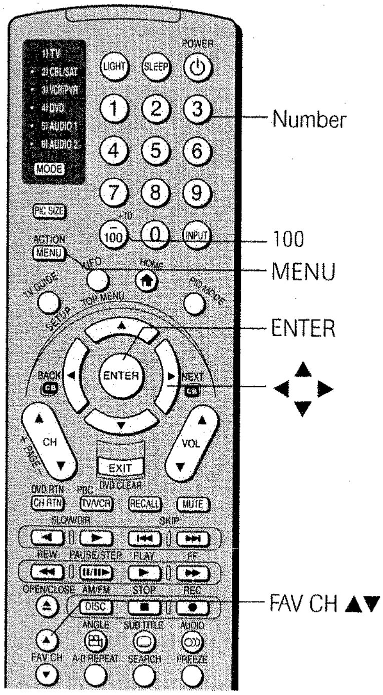
To tune your favorite channels using the favorite channel list:

1. Press 100 to display the favorite channel list.
2. Press the corresponding number button (1-9) to select your desired channel.



1 CH 4-1
2 CH 4-2
3 CH 9
4 CH 10
5 CH 12
6 CH 17
7 CH 19
8 ---
9 ---

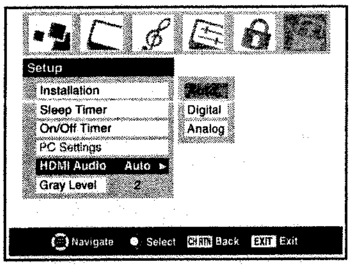
Note: *To tune your favorite channels for another input, you will need to change the Input Selection first.*


Number
100
MENU
ENTER
▲◀▶▼
FAV CH ▲▼

Setting the HDMI™ audio mode

To select the HDMI audio mode:

1. Press MENU and open the Setup menu.
2. Highlight HDMI Audio and press ▶.
3. Press ▼▲ to select the HDMI audio mode (Auto, Digital, or Analog) and press ENTER. (Auto is the recommended mode). See "Connecting an HDMI or a DVI device to the HDMI input" on page 21.

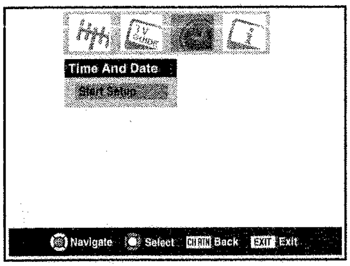

Setup
Installation
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio Auto ▸
Gray Level 2
Auto
Digital
Analog
Navigate
Select
CH RTN Back
EXIT Exit

Setting the time and date

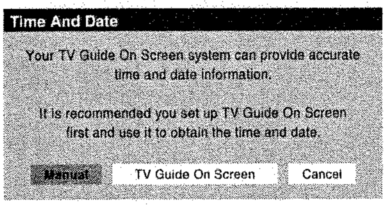
Note: *If you already set up the TV Guide On Screen™ system, the time and date were set automatically and you can skip this step.*

To set the time and date:

1. Press MENU and open the Setup menu.
2. Highlight Installation and press ENTER. (A new set of Installation menu icons will appear on-screen, as shown in step 3 below.)
3. Open the Time And Date menu, highlight Start Setup, and press ENTER.


Time And Date
Start Setup
Navigate
Select
CH RTN Back
EXIT Exit

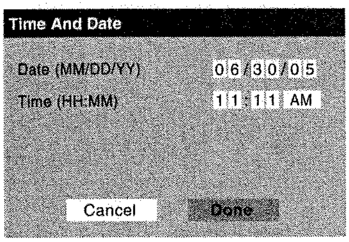
If you have not set up the TV Guide On Screen™ system, the following screen will appear. To set the time, highlight TV Guide On Screen™ and press ENTER. The TV Guide On Screen™ setup sequence will start, and the time and date will be set automatically.


Time And Date

Your TV Guide On Screen system can provide accurate time and date information.

It is recommended you set up TV Guide On Screen first and use it to obtain the time and date.
Manual
TV Guide On Screen
Cancel

If you have already set up, the TV Guide On Screen™ the time and date setting screen will appear. Set the time and date manually.


Time And Date

Date (MM/DD/YY) 06/30/05

Time (HH:MM) 11:11 AM
Cancel
Done

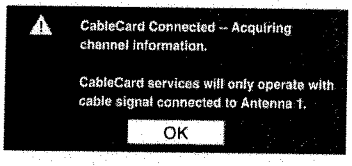
Note:

- *If you highlight TV Guide On Screen™ (above) to set the time and date through the TV Guide On Screen™ system and a power outage occurs, the time and date will be updated automatically when the power is restored.*
- *If you highlight Manual (above) to set the time and date manually and a power outage occurs, you will lose the time and date settings when the power is restored.*
- *If you manually set the time and date and then perform TV Guide On Screen™ setup, the manual time and date settings will be overridden by the TV Guide On Screen™ settings.*

Viewing the CableCARD™ menu

A CableCARD™ enables you to view encrypted digital channels. See page 15 for connection and subscription information.

After the CableCARD™ is inserted, a CableCARD™ option appears in the Applications menu, with informational screens provided by your CableCARD™ service (see illustrations below).

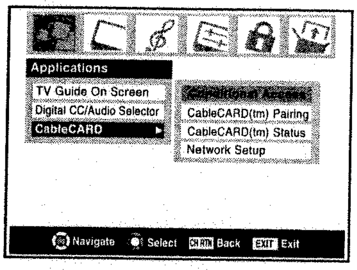


CableCard Connected -- Acquiring channel information.

CableCard services will only operate with cable signal connected to Antenna 1.

To view the CableCARD™ menu:

1. Press MENU and open the Applications menu.
2. Highlight CableCARD™ and press ▶.
3. Press ▲▼ to select one of the side menu items and press ENTER to display the information.


Applications
TV Guide On Screen
Digital CC/Audio Selector
CableCARD ▶
Conditional Access
CableCARD(tm) Pairing
CableCARD(tm) Status
Network Setup
Navigate
Select
CH RTN Back
EXIT Exit

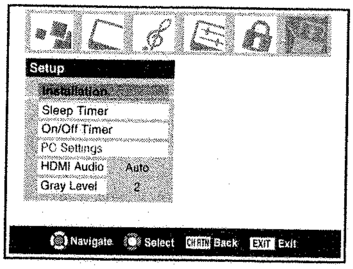
Note: *The CableCARD™ menu is for informational purposes only and has no user-adjustable options.*

Viewing the digital signal meter

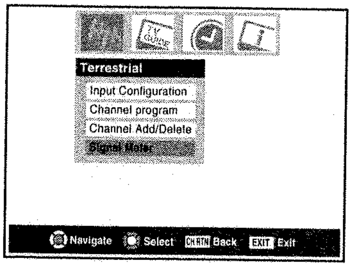
You can view the digital signal meter for ANT 1 and ANT 2 digital TV input sources only.

To view the digital signal meter:

1. Press MENU and open the Setup menu.
2. Highlight Installation and press ENTER. (A new set of Installation menu icons will appear on-screen, as shown in step 3 below.)

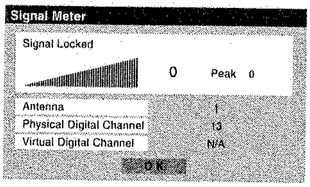

Setup
Installation
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio
Auto
Gray Level
2
Navigate
Select
CH RTN Back
EXIT Exit

3. Open the Terrestrial menu, highlight Signal Meter, and press ENTER.


Terrestrial
Input Configuration
Channel program
Channel Add/Delete
Signal Meter
Navigate
Select
CH RTN Back
EXIT Exit

4. Use ▲▼◀▶ to select the antenna input and digital channel whose signal you want to check.

   Note: *The physical digital channel number listed in the Signal Meter screen may not correspond to a virtual TV channel number. Contact your local broadcasters to obtain the RF channel numbers for your local digital stations.*



Signal Meter

Signal Locked

0 Peak 0

Antenna 1

Physical Digital Channel 13

Virtual Digital Channel N/A

To close the screen and return to the Terrestrial menu:

Highlight OK and press ENTER.

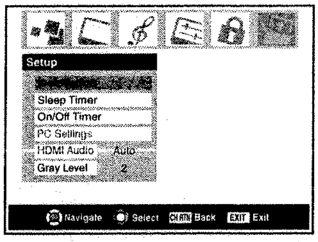
To return to normal viewing:

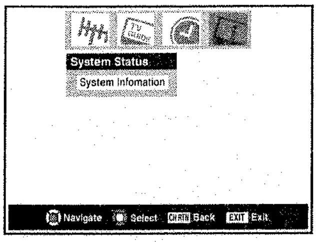
Press EXIT.

Viewing the system status

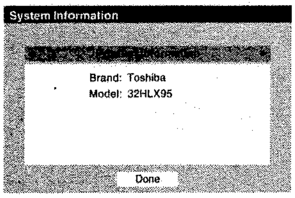
To check the system status:

1. Press MENU and open the Setup menu.
2. Highlight Installation and press ENTER. (A new set of Installation menu icons will appear on-screen, as shown below right).

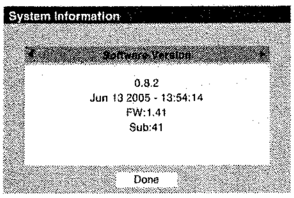

Setup
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio
Auto
Gray Level
2
Navigate
Select
CH RTN Back
EXIT Exit


TV GUIDE
System Status
System Infomation
Navigate
Select
CH RTN Back
EXIT Exit

3. Open the System Status menu, highlight System Information, and then press ENTER.
4. Use ◀ ▶ to scroll through the menu bar to check the Product Information and Software Version.


System Information
Done

Brand: Toshiba
Model: 32HLX95


System Information
Software Version
Done

0.8.2
Jun 13 2005 - 13:54:14
FW:1.41
Sub:41

To close the screen and return to the Installation menu:

Highlight Done and press ENTER.

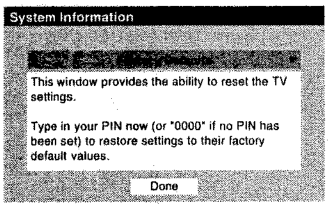
To return to normal viewing:

Press EXIT.

Restore Factory Defaults

To restore all settings and channels to their factory default values:

1. Follow steps 1–3 above.
2. Use ◀ ▶ to scroll through the menu bar to select Factory Defaults.


System Information
Done

This window provides the ability to reset the TV settings.

Type in your PIN now (or "0000" if no PIN has been set) to restore settings to their factory default values.

3. Enter your PIN code (or 0000 if no PIN code has been set).
4. Highlight Yes and press ENTER. The TV will turn off automatically after a few seconds. After the TV turns off, unplug the TV power cord and then plug it in again to complete the restore process.

To cancel the reset:

Highlight No and press ENTER.

7 Using the TV Guide On Screen™ interactive program guide

The TV Guide On Screen™ system is a free, interactive, on-screen program guide built in to your Toshiba TV that lists schedules and information for TV programs in your area.

> **Note:** *Over-the-air or cable access to stations carrying TV Guide On Screen™ data is required for the TV Guide On Screen™ system to operate. The TV Guide On Screen™ system does not work with satellite programming. Toshiba does not provide the TV Guide On Screen™ data; rather, such data is provided by a third party, which is responsible for its accuracy and availability. Additionally, occasional compatibility issues may exist between the TV Guide On Screen™ system contained in your TV and the data provided by the third party. If you experience any performance issues with your TV Guide On Screen™ system, please contact the following:*
>
> - ***In the U.S.,*** *call TACP Consumer Solutions at (800) 631-3811 or visit* **http://www.tacp.com/customersupport/contact.asp.**
> - ***In Canada,*** *call TCL Customer Service at 1-800-268-3404.*

The TV Guide On Screen™ system includes the following features:

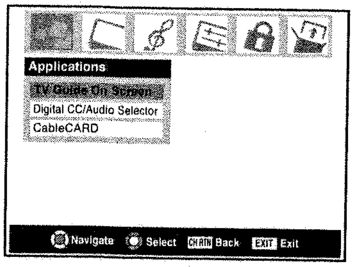
- ***Streamlined on-screen assisted setup***—Quickly and easily set up your TV Guide On Screen™ system using the on-screen prompts (see "Setting up the TV Guide On Screen™ system" below).
- ***Program listings and INFO windows***—Scroll through eight days of TV listings and view program information such as rating, stereo, HDTV, new episode.
- ***Watch TV and display TV Guide On Screen™ information simultaneously.***
- ***Channel lineup customization***—Customize your channel lineup so your favorite stations are listed first.
- ***Direct tuning***—Directly tune the TV to a current program you want to watch by selecting it in the program guide.
- ***Reminders***—Schedule show reminders that will either display an on-screen notification banner or automatically tune the TV to the channel of the show for which you set the reminder.
- ***Recording***—Easily schedule recording of one or more programs.

  Note: *A VCR is required for recording.*
  It is recommended that you connect your devices according to the instructions in Chapter 2.
- ***Search***—Search for shows by category, keyword, or alphabetically.
- ***On-screen help***—The TV Guide On Screen™ system contains on-screen feature definitions and navigation instructions.

To open the TV Guide On Screen™ system:

- While watching TV, press TV GUIDE on the remote control;

  —or—
- Press MENU, open the Applications menu, highlight TV Guide On Screen™, and press ENTER.



Note: *The TV Guide On Screen™ program guide opens automatically when you turn on the TV. To disable this feature, see page 38.*

Setting up the TV Guide On Screen™ system

Follow these instructions to set up the TV Guide On Screen™ system so it can receive current program data for your area.

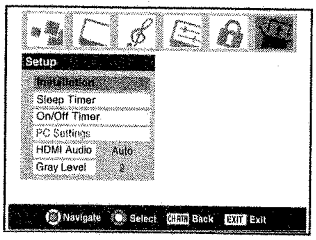
> **Note:** *If you move the TV to a different ZIP/postal code, you will need to perform the TV Guide On Screen™ Setup process to reconfigure your TV Guide On Screen™ system.*

If you have not already connected your antenna, cable box, and/or recording device, see Chapter 2 for connection instructions.

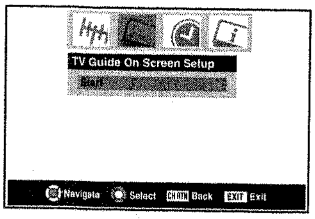
> **Note:** *You must connect a VCR to use the TV Guide On Screen™ system's one-touch recording feature.*
> *It is recommended that you connect your devices according to the connection instructions in Chapter 2.*

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

1. Press MENU and open the Setup menu.
2. Highlight Installation and then press ENTER to open the Installation menus. (A new set of menu icons will appear on-screen, as shown in step 3 below.)
3. Open the TV Guide On Screen™ Setup menu, highlight Start, and then press ENTER.

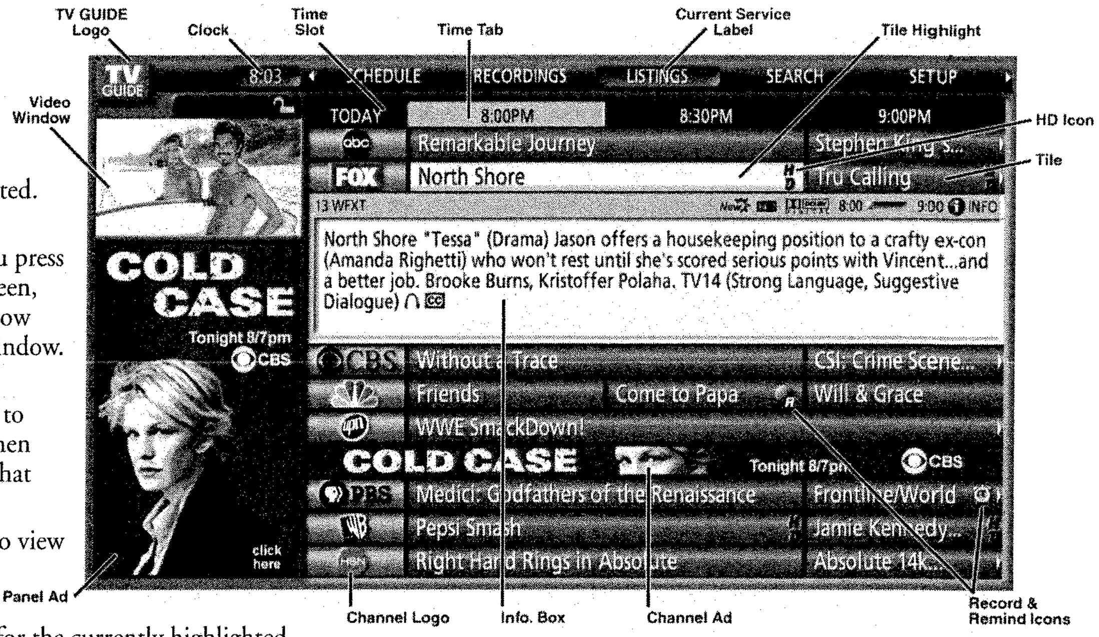


HDMI Audio Auto
Gray Level 2



4. Go to Chapter 5 for instructions on completing the setup. Read this chapter for details on using the TV Guide On Screen™ interactive program guide.

Navigating the TV Guide On Screen™ system


TV GUIDE Logo
Clock
Time Slot
Time Tab
Current Service Label
Tile Highlight
Video Window
HD Icon
Tile
Panel Ad
Channel Logo
Info. Box
Channel Ad
Record & Remind Icons
8:03
SCHEDULE
RECORDINGS
LISTINGS
SEARCH
SETUP
TODAY
8:00PM
8:30PM
9:00PM
Remarkable Journey
Stephen King's...
North Shore
Tru Calling
13 WFXT
8:00
9:00
INFO
COLD CASE
Tonight 8/7pm
CBS
Without a Trace
CSI: Crime Scene...
Friends
Come to Papa
Will & Grace
WWE SmackDown!
Medici: Godfathers of the Renaissance
Frontline/World
Pepsi Smash
Jamie Kennedy...
Right Hand Rings in Absolute
Absolute 14k...
click here

North Shore "Tessa" (Drama) Jason offers a housekeeping position to a crafty ex-con (Amanda Righetti) who won't rest until she's scored serious points with Vincent...and a better job. Brooke Burns, Kristoffer Polaha. TV14 (Strong Language, Suggestive Dialogue)

- While watching TV, press TV GUIDE to enter the TV Guide On Screen™ system. The LISTINGS screen will appear with the current show highlighted.
- When in the TV Guide On Screen™ system, if you press TV GUIDE from any screen, the TV will tune to the show displayed in the Video Window.
- Use the arrow keys on the remote control (▲▼◀▶) to highlight any show, and then press ENTER to tune to that show.
- Scroll left or right (◀▶) to view eight days of listings.
- Press MENU to display a panel menu with options for the currently highlighted program or tile, including setting recordings and reminders.
- To access another Service screen:
  1. Press ▲ to highlight the Service Bar.
  2. Press ◀ or ▶ to highlight a different Service (LISTINGS, SEARCH, SETUP, or SCHEDULE).
  3. Press ▼ to use that Service.

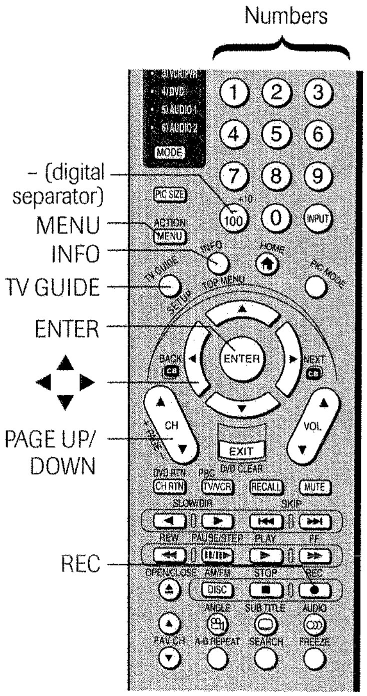
  Note: *Helpful information about each Service appears in the Info Box.*

Note:

- *The TV Guide On Screen™ menus shown in this manual are for illustration purposes only. The channels, programs, and TV Guide On Screen™ information as illustrated may not be available in your area. The options and features as illustrated are subject to change when updates are downloaded from the TV Guide On Screen™ service to your TV.*
- *The TV Guide On Screen™ interactive program guide supports cable-ready, cable box, and digital cable services, as well as over-the-air broadcasts. It does not provide listings for satellite services.*
- *The RECORDINGS service label is not available on this TV model.*

TV Guide On Screen™ remote control functions

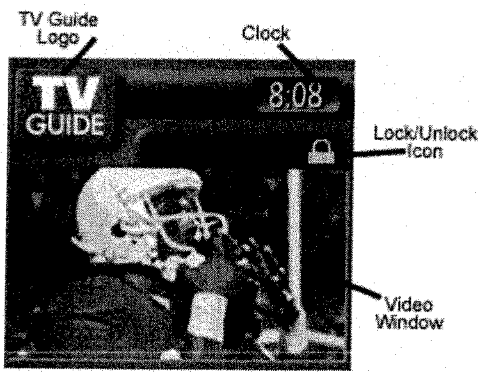
BUTTON	FUNCTION
TV GUIDE	• When watching TV, enters the TV Guide On Screen™ system and highlights the current show listing. • When in the TV Guide On Screen™ system, returns to watching TV and displays the show in the Video Window.
Numbers	• For direct channel tuning, priority ordering, and channel editing.
- (digital separator)	• For entering digital channel numbers.
MENU	• Displays the panel menu, in which you can choose options (for example, record, remind, keyword).
INFO	• Cycles between levels of information, as available, in a Service screen or other type of screen.
ENTER	• Makes a selection or executes an action. • With a currently airing show listing highlighted, returns to watching TV and tunes to the show channel. • With a future airing show listing highlighted, displays a panel menu with viewing options.
▲▼◀▶	• Provide directional control. • When watching TV, ▲ and ▼ provide surfing through channels turned ON in the LISTINGS screen.
PAGE UP/DOWN	• When in the TV Guide On Screen™ system, moves from one set of screen information to the next, when applicable.
REC	• When in the TV Guide On Screen™ system or watching TV, initiates the recording process.

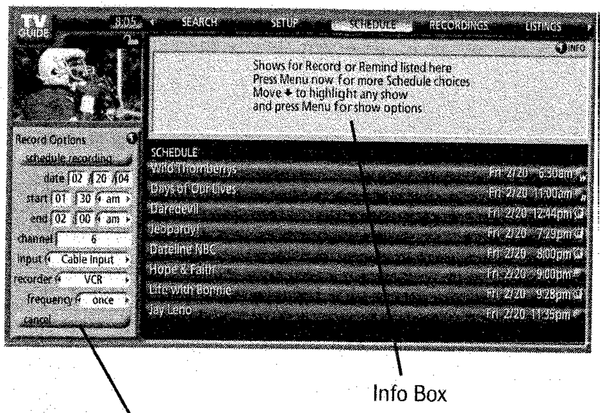

Numbers
- (digital separator)
MENU
INFO
TV GUIDE
ENTER
▲◀▶▼
PAGE UP/DOWN
REC

Navigating the TV Guide On Screen™ system (continued)

Video Window

- When you open the TV Guide On Screen™ system, the current program appears in the Video Window.
- As you scroll through the listings, the Video Window will change to display the selected program.


TV Guide Logo
Clock
8:08
TV GUIDE
Lock/Unlock Icon
Video Window


TV GUIDE
8:05
SEARCH
SETUP
SCHEDULE
RECORDINGS
LISTINGS
INFO
Record Options
schedule recording
cancel
SCHEDULE
Info Box

Shows for Record or Remind listed here
Press Menu now for more Schedule choices
Move ♦ to highlight any show
and press Menu for show options

date 02 / 20 / 04
start 01 : 30 am
end 02 : 00 am
channel 6
input Cable Input
recorder VCR
frequency once

Wild Thornberrys	Fri 2/20 6:30am
Days of Our Lives	Fri 2/20 11:00am
Daredevil	Fri 2/20 12:44pm
Jeopardy!	Fri 2/20 7:29pm
Dateline NBC	Fri 2/20 8:00pm
Hope & Faith	Fri 2/20 9:00pm
Life with Bonnie	Fri 2/20 9:28pm
Jay Leno	Fri 2/20 11:35pm

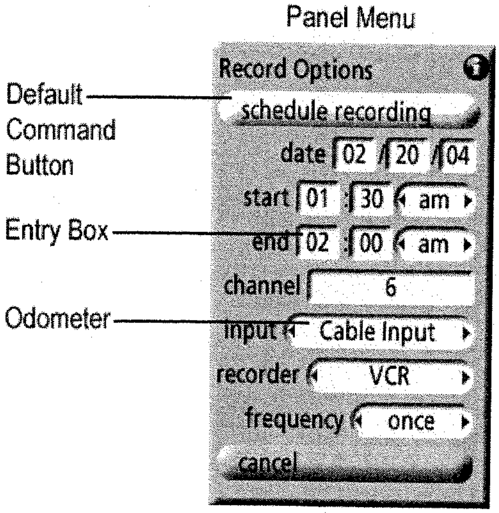
- The lock/unlock icon indicates the status of the Video Window.
- You can set the Video Window to remain on a single channel (locked) or to change channels (unlocked) as you navigate through listings.

To lock/unlock the Video Window:

Highlight a channel logo or the LISTINGS Service Bar Label and press MENU to display the option to lock/unlock the Video Window.

Panel Menus

- A panel menu appears:
  - when you press MENU on a highlighted tile (if additional options are available); or
  - when you press ENTER on a show starting in the future.
- When a panel menu appears, the highlighted tile changes color to indicate that the panel menu relates to the tile.
- Press INFO to display help for the current panel menu.
- Press ▲ and ▼ to move among the options.
- Press ◀ and ▶ to move to adjacent options or, if the highlight is on a odometer, to change the odometer choice.
- To move the highlight to the default command button, press ENTER from an odometer or entry box.
- To execute the action and close the panel menu, highlight the command button and press ENTER.
- To cancel any changes and close the panel menu:
  - press MENU; or
  - highlight Cancel and press ENTER.
- If a panel menu contains more options than can be displayed in one panel, the word "more" appears at the bottom of the menu. To access the additional options, either scroll down using ▼ or the PAGE UP/ DOWN (CH ▲▼) button.

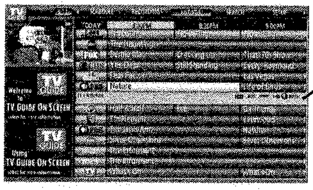

Panel Menu
Default Command Button
Entry Box
Odometer
Record Options
schedule recording
cancel

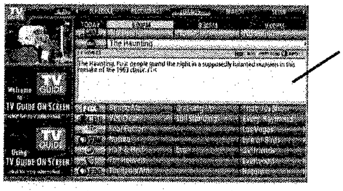
date 02 / 20 / 04
start 01 : 30 am
end 02 : 00 am
channel 6
input Cable Input
recorder VCR
frequency once

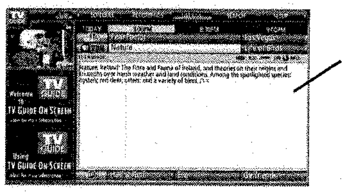
Navigating the TV Guide On Screen™ system (continued)

Info Box

- An Info Box contains information about a show, Service, or Panel Ad, or provides general help (for example, for a panel menu).
- An Info Box for a program in the LISTINGS screen can have up to three sizes: Small, Large, or "No."
  - Press INFO on the remote control to cycle among the sizes.
  - The default Info Box size is Small. To change the default size, open the SETUP Service screen (see page 58).
- The Info Button icon (ⓘ INFO)appears on the Info Action Bar if the Info Box size can change and/or if there are additional Info screens. Press INFO on the remote control to change the size and/or to display additional Info screens.
- In some instances, INFO on the remote control is used to page forward (for example, if there are additional pages of information in a Panel Ad, a Channel Ad, or help text).







TV Guide On Screen™ Icons

ICON	NAME	DESCRIPTION
ⓘ INFO	Info Button	• Additional Info Box information is available, or the Info Box has additional sizes.
8:00 10:00	Progress Bar	• Elapsed time in current show. • Progress bar appears in LISTINGS and SEARCH and when the Info Button is pressed while watching TV.
HD	HDTV	• Show is presented in high-definition TV, if available.
New	New	• Show is new (not a repeat).
	Stereo	• Show is available in stereo.
DOLBY DIGITAL	Dolby Digital	• Show is available with Dolby Digital 5.1 audio (digital channels only).
CC	CC	• Closed captioning is available for the show.
TV 14	TV Rating	• TV rating for the show.
●	Record Once	• Show is set to Record Once. • Other frequencies are Daily (manual recording only), Regularly, and Weekly. D R W
	Record Off	• Show is set to Record but is currently Off (show remains in Schedule).
	Record Suspended	• Recording is Suspended due to a schedule conflict (show remains in Schedule). • Recording resumes when the conflict no longer exists.
	Remind Once	• Show is set to Remind Once. • Other frequencies are Daily (manual reminding only), Regularly, and Weekly. D R W
	Remind Off	• Show is set to Remind but is currently Off (show remains in Schedule).
	Remind Suspended	• Reminder is Suspended due to a schedule conflict (show remains in Schedule). • Remind resumes when the conflict no longer exists.

TV Guide On Screen™ Services

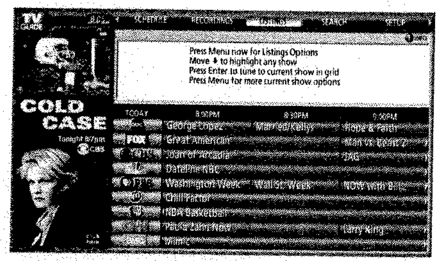
The TV Guide On Screen™ system consists of four main services: LISTINGS, SEARCH, SCHEDULE, and SETUP.

Note:

- *For the RECORDINGS service to display, an IEEE1394 recording device must be connected to the television; otherwise, only four services display. Recording to other devices, such as a VCR, are possible from within the LISTINGS service.*
- *When using the TV Guide On Screen™ system to record a program for the first time, it is recommended that you perform a test recording to make sure your system is set up properly.*
- *If power is cut, or the plug becomes disconnected during timer recording, any recorded contents will be lost.*
- *If the TV power cord is unplugged for an extended period of time, it may take up to 24 hours with the TV in standby mode (power cord plugged in and power OFF) to download the entire TV Guide On Screen™ program schedule. Be sure to follow the instructions under "TV Guide On Screen™ Reminder" on page 38.*

LISTINGS screen

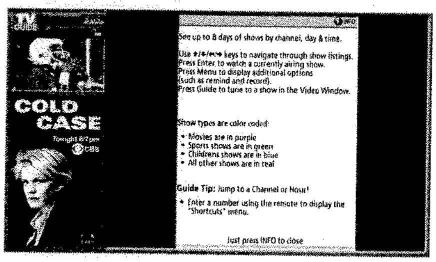
- When you open the TV Guide On Screen™ system, LISTINGS is always the first service displayed.



Press Menu now for Listings Options
Move ▼ to highlight any show
Press Enter to tune to current show in grid
Press Menu for more current show options

TV GUIDE
SCHEDULE
RECORDINGS
LISTINGS
SEARCH
SETUP
COLD CASE
Tonight 8/7pm
CBS
TODAY
8:00PM
8:30PM
9:00PM
George Lopez
Married/Kellys
Hope & Faith
FOX
Great American
Man vs. Beast 2
Joan of Arcadia
JAG
Dateline NBC
Washington Week
Wall St. Week
NOW with B...
Chill Factor
NBA Basketball
Paula Zahn Now
Larry King

- With LISTINGS highlighted in the Service Bar, press INFO to display a help screen. Press INFO again to close the screen.



See up to 8 days of shows by channel, day & time.

Use ▲/▼/◄/► keys to navigate through show listings.
Press Enter to watch a currently airing show.
Press Menu to display additional options
(such as remind and record).
Press Guide to tune to a show in the Video Window.

Show types are color coded:

- Movies are in purple
- Sports shows are in green
- Childrens shows are in blue
- All other shows are in teal

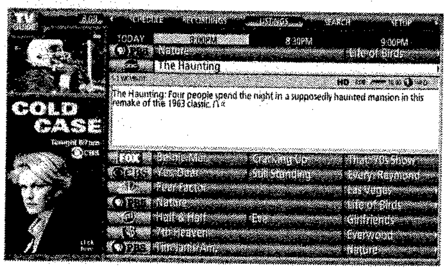
Guide Tip: Jump to a Channel or Hour!

- Enter a number using the remote to display the "Shortcuts" menu.

Just press INFO to close

TV GUIDE
INFO
COLD CASE
Tonight 8/7pm
CBS

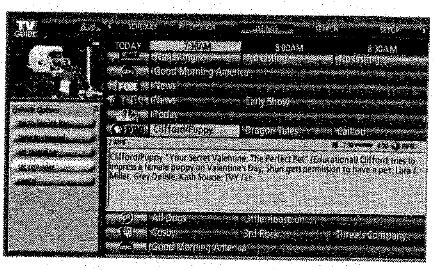
- Use the arrow keys to move the highlight within LISTINGS to do the following:
  - View eight days of show listings
  - Read show descriptions



The Haunting: Four people spend the night in a supposedly haunted mansion in this remake of the 1963 classic.

TV GUIDE
SCHEDULE
RECORDINGS
LISTINGS
SEARCH
SETUP
TODAY
8:00PM
8:30PM
9:00PM
PBS
Nature
Life of Birds
The Haunting
HD
INFO
COLD CASE
Tonight 8/7pm
CBS
FOX
Bernie Mac
Cracking Up
That '70s Show
CBS
Yes, Dear
Still Standing
Every. Raymond
Fear Factor
Las Vegas
PBS
Nature
Life of Birds
Half & Half
Eve
Girlfriends
7th Heaven
Everwood
PBS
Nature

  - Tune directly to a show currently airing
  - Set a show to Remind (e.g., start time, frequency, automatic power ON, auto-tune TV)
  - Set a show to Record (e.g, start/end time, frequency)
  - Lock and unlock the Video Window
  - Access panel ads and channel ads
- Use the Number buttons on the remote control to jump to a specific channel's listings.
- To watch a show (if on now), highlight the show and press ENTER.
- To display the Episode Options panel menu for a particular show, highlight a show and press MENU.



Clifford/Puppy "Your Secret Valentine; The Perfect Pet" (Educational) Clifford tries to impress a female puppy on Valentine's Day; Shun gets permission to have a pet. Lara J. Miller, Grey DeLisle, Kath Soucie. TVY

TV GUIDE
TODAY
8:00AM
8:30AM
Good Morning America
FOX
News
Early Show
Today
PBS
Clifford/Puppy
Dragon Tales
Caillou
INFO
All Dogs
Little House on
Cosby
3rd Rock
Three's Company
Good Morning America

Episode Options panel menu

From the Episode Options panel menu, you can choose to set a recording, set a reminder, or tune to the channel. The following are descriptions of the buttons.

GO TO SERVICE BAR: Closes the menu, changes no information, and returns to the Service Bar.

TUNE TO CHANNEL / WATCH NOW: Exits the TV Guide On Screen™ system and tunes to the channel of the highlighted show (if the show airs in the future) or tunes to the show (if the show is currently airing). The button label changes according to whether the show is currently airing or not.

SET RECORDING: Displays the Record Options panel menu, from which you can set the show to record. For additional information, see "SCHEDULE screen" and "Record features" on page 53.

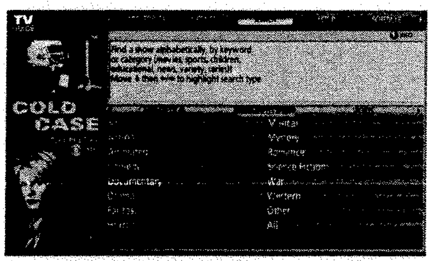
SET REMINDER: Displays the Remind Options panel menu, from which you can set a reminder for the show. For additional information, see "SCHEDULE screen" and "Remind features" on pages 53 and 55.

CANCEL: Closes the menu, changes no information, and returns to the highlighted show.

TV Guide On Screen™ Services (continued)

SEARCH screen

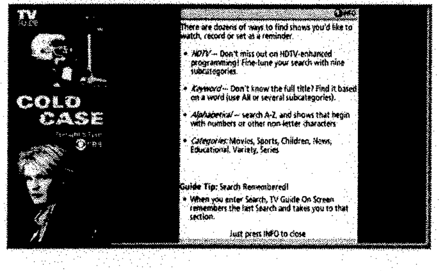
- SEARCH allows you to find shows by keyword, alphabetically, or by category (HDTV, Movies, Sports, Children, Educational, News, Variety, Series).



Find a show alphabetically, by keyword or category (movies, sports, children, educational, news, variety, series)! Move ⬍ then ⬌ to highlight search type

COLD CASE
Documentary
Mystery
Romance
Science Fiction
War
Western
Other
All

- With SEARCH highlighted in the Service Bar, press INFO to display a help screen. Press INFO again to close the screen.



There are dozens of ways to find shows you'd like to watch, record or set as a reminder.

- *HDTV* -- Don't miss out on HDTV-enhanced programming! Fine-tune your search with nine subcategories.
- *Keyword* -- Don't know the full title? Find it based on a word (use All or several subcategories).
- *Alphabetical* -- search A-Z, and shows that begin with numbers or other non-letter characters
- *Categories:* Movies, Sports, Children, News, Educational, Variety, Series

Guide Tip: Search Remembered!

- When you enter Search, TV Guide On Screen remembers the last Search and takes you to that section.

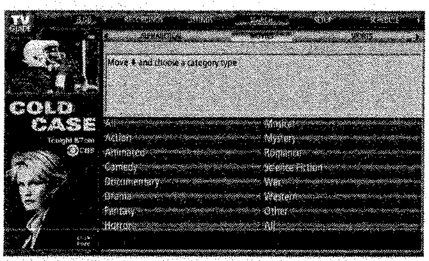
Just press INFO to close

COLD CASE
INFO

- Use the arrow keys to move the highlight within SEARCH.

Example: Category search

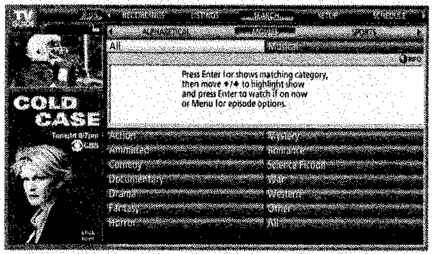
1. From the SEARCH screen, press ▼ to highlight a category (in this example, MOVIES).



Move ⬍ and choose a category type

COLD CASE
Tonight 8/7pm
CBS
All
Action
Animated
Comedy
Documentary
Drama
Fantasy
Horror
Musical
Mystery
Romance
Science Fiction
War
Western
Other
All

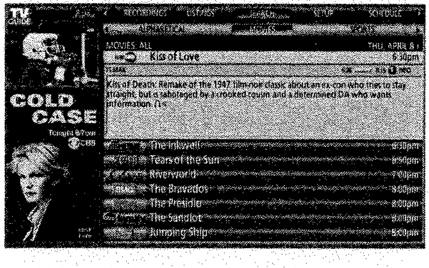
2. Press ▼ to highlight a subcategory (in this example, ALL).



Press Enter for shows matching category, then move ⬆/⬇ to highlight show and press Enter to watch if on now or Menu for episode options.

ALPHABETICAL
MOVIES
SPORTS
All
Musical
INFO
COLD CASE
Tonight 8/7pm
CBS
Action
Animated
Comedy
Documentary
Drama
Fantasy
Horror
Mystery
Romance
Science Fiction
War
Western
Other
All

3. Press ENTER to display a list of all movies, organized by date and time.

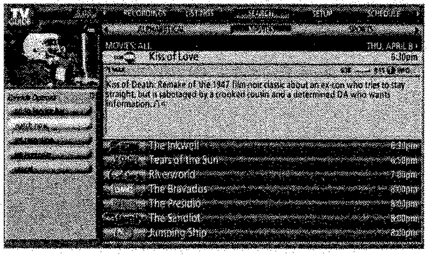


MOVIES: ALL THU, APRIL 8
Kiss of Love 6:30pm

Kiss of Death: Remake of the 1947 film-noir classic about an ex-con who tries to stay straight, but is sabotaged by a crooked cousin and a determined DA who wants information.

RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
MOVIES
COLD CASE
Tonight 8/7pm
CBS
The Inkwell
Tears of the Sun
Riverworld
The Bravados
The Presidio
The Sandlot
Jumping Ship

4. Highlight a show and press ENTER to watch (if on now) or press MENU to display the Episode Options panel menu. (See "Episode Options panel menu" on page 50.)



MOVIES: ALL THU, APRIL 8
Kiss of Love 6:30pm

Kiss of Death: Remake of the 1947 film-noir classic about an ex-con who tries to stay straight, but is sabotaged by a crooked cousin and a determined DA who wants information.

RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
ALPHABETICAL
MOVIES
SPORTS
Episode Options
The Inkwell
Tears of the Sun
Riverworld
The Bravados
The Presidio
The Sandlot
Jumping Ship

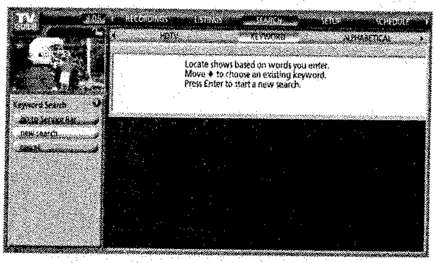
TV Guide On Screen™ Services (continued)

SEARCH screen (continued)

Example: Keyword search

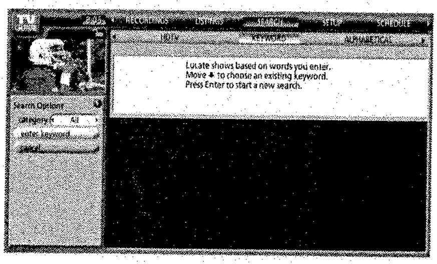
Keyword search lets you enter a word(s) to find a particular show by category or for every show title that matches.

1. From the SEARCH screen, highlight KEYWORD, and then press ENTER.
2. Highlight NEW SEARCH in the panel menu, and then press ENTER.


RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
HDTV
KEYWORD
ALPHABETICAL
Keyword Search
go to Service Bar
new search
cancel

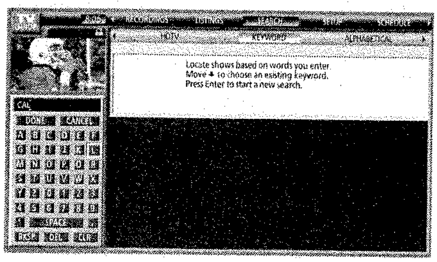
Locate shows based on words you enter.
Move ✦ to choose an existing keyword.
Press Enter to start a new search.

3. The Search Options panel menu opens. Highlight CATEGORY, and then use the arrow keys to highlight a category to search (All, HDTV, Children, Sports, etc.).
4. After highlighting a category, press ▼ to highlight ENTER KEYWORD, and then press ENTER.


RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
HDTV
KEYWORD
ALPHABETICAL
Search Options
category
All
enter keyword
cancel

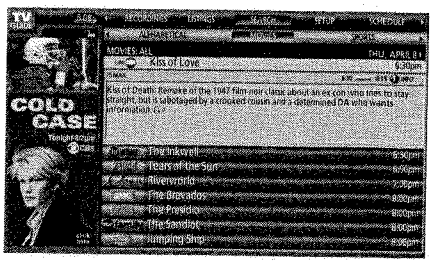
Locate shows based on words you enter.
Move ✦ to choose an existing keyword.
Press Enter to start a new search.

5. The keyboard is displayed. Use the arrow keys to highlight a character and then press ENTER to display it. When finished entering all characters, highlight DONE and press ENTER.


RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
HDTV
KEYWORD
ALPHABETICAL
CAL
DONE
CANCEL
SPACE
DEL
CLR

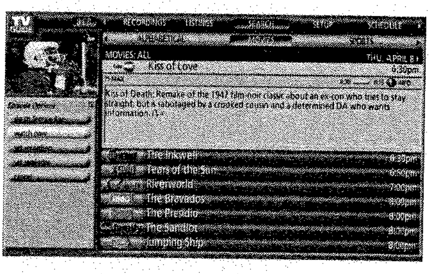
Locate shows based on words you enter.
Move ✦ to choose an existing keyword.
Press Enter to start a new search.

6. A list of all matching shows for that keyword is displayed.


RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
ALPHABETICAL
MOVIES
SPORTS
COLD CASE
Tonight 8:00pm
CBS

MOVIES: ALL THU, APRIL 8
Kiss of Love 6:30pm
Kiss of Death: Remake of the 1947 film-noir classic about an ex-con who tries to stay straight, but is sabotaged by a crooked cousin and a determined DA who wants information.
The Inkwell 6:30pm
Tears of the Sun 6:50pm
Riverworld 7:00pm
The Bravados 8:00pm
The Presidio 8:00pm
The Sandlot 8:00pm
Jumping Ship 8:05pm

7. Highlight a show and press ENTER to display all airings. Then highlight a specific listing and press ENTER to watch (if on now) or press MENU to display the Episode Options panel menu. From the Episode Options menu, you can choose to set a recording or reminder, or tune to the channel. (See "Episode Options panel menu" on page 50.)


RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
ALPHABETICAL
MOVIES
SPORTS

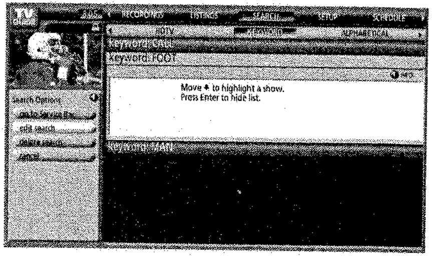
MOVIES: ALL THU, APRIL 8
Kiss of Love 6:30pm
Kiss of Death: Remake of the 1947 film-noir classic about an ex-con who tries to stay straight, but is sabotaged by a crooked cousin and a determined DA who wants information.
The Inkwell 6:30pm
Tears of the Sun 6:50pm
Riverworld 7:00pm
The Bravados 8:00pm
The Presidio 8:00pm
The Sandlot 8:00pm
Jumping Ship 8:05pm

The TV Guide On Screen™ system stores all the keywords you create.

To edit or delete a keyword:

From the SEARCH/KEYWORD screen, highlight the keyword you want to edit or delete, and then press MENU to display the Search Options panel menu, with the following options:

- GO TO SERVICE BAR: Closes the menu, changes no information, and returns to the Service Bar.
- EDIT SEARCH: Displays the keyboard, from which you can change the keyword.


RECORDINGS
LISTINGS
SEARCH
SETUP
SCHEDULE
HDTV
KEYWORD
ALPHABETICAL
Search Options
go to Service Bar
edit search
delete search
cancel
INFO

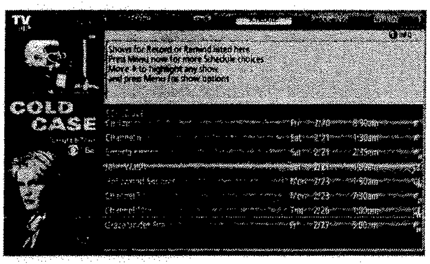
Keyword: CAL
Keyword: FOOT
Move ✦ to highlight a show.
Press Enter to hide list.
Keyword: MAN

- DELETE SEARCH: Displays the Confirmation panel menu. Select YES to delete the search or NO to close the panel menu.
- CANCEL: Closes the panel menu, changes no information, and returns to the highlighted keyword.

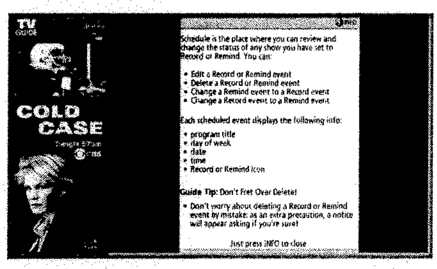
TV Guide On Screen™ Services (continued)

SCHEDULE screen

The SCHEDULE service screen allows you to review, edit, or delete Record and Remind events you set previously.



- With SCHEDULE highlighted in the Service Bar, press INFO to display a help screen. Press INFO again to close the screen.



Schedule is the place where you can review and change the status of any show you have set to Record or Remind. You can:

- Edit a Record or Remind event
- Delete a Record or Remind event
- Change a Remind event to a Record event
- Change a Record event to a Remind event

Each scheduled event displays the following info:

- program title
- day of week
- date
- time
- Record or Remind icon

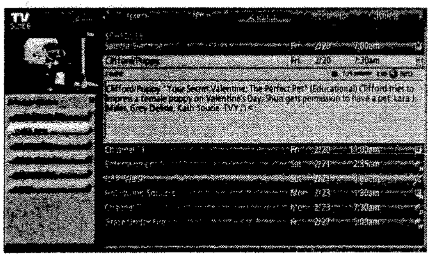
Guide Tip: Don't Fret Over Delete!

- Don't worry about deleting a Record or Remind event by mistake: as an extra precaution, a notice will appear asking if you're sure!

Just press INFO to close

- Highlight an event and press MENU to display the Schedule Options panel menu, with the following options:
  - GO TO SERVICE BAR: Closes the menu, changes no information, and returns to the Service Bar.
  - WATCH NOW: Exits the TV Guide On Screen™ system and tunes to the highlighted show.
  - DELETE RECORDING: Removes the recording from the schedule. A Confirm panel menu displays. Press YES to delete the recording or NO to close the panel menu.
  - EDIT RECORDING: Opens a menu in which you can change existing recording information.
  - SET REMINDER: Opens a menu in which you can set a reminder for the show (Record is not cancelled).
  - CANCEL: Closes the panel menu, changes no information, and returns to the highlighted show.

An icon identifies the event type. For more details, see "Record features,"at right, and "Remind features" on page 55.



Record features

You can set a show to Record, or edit the record settings for a show, in LISTINGS, SEARCH, and SCHEDULE. There are three ways to set a show to Record.

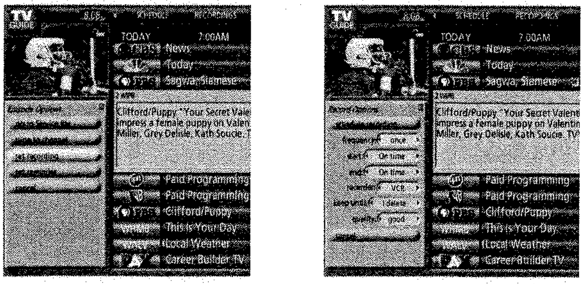
1) Set a show to Record using the REC key on the remote control

Press REC ● on the remote control to record the show Once with current default settings (start and end recording on time). Each time you press REC ●, you change the Record frequency (but not the default settings) among Once (default), Regularly, Weekly, and Cancel.

Note: *The related Record icon appears on the show tile each time you press REC ●. See "Record icons," on page 54.*

2) Set a show to Record from a panel menu

1. Highlight a show and press MENU to display the Episode Options panel menu.
2. Highlight SET RECORDING and press ENTER to display the Record Options panel menu.



3. Highlight the FREQUENCY field, and press ◀ ▶ to choose among Once, Regularly, Weekly, or Off.
4. Highlight the START field, and press ◀ ▶ to choose in the range from 120 minutes early to 120 minutes late or On Time (default = On Time).
5. Repeat step 4 for the END field.
6. Highlight the RECORDER field and press ◀ ▶ to choose the recording device.
   Note: *For connected IEEE1394 recording devices only.*
7. Highlight the KEEP UNTIL field and press ◀ ▶ to choose how long you want to keep the Record event.
   Note: *For connected IEEE1394 recording devices only.*
8. Press ENTER to highlight SCHEDULE RECORDING, and press ENTER again to close the menu.

   A Record icon for the selected frequency appears on the show tile. See "Record icons" on page 54.
   Note: *For connected IEEE1394 recording devices only.*

   Or highlight CANCEL and press ENTER to close the menu, change no information, and return to the highlighted show.
   Note: *You can change the default values of the Record Options panel menu fields. See "Change default options" on page 58.*

TV Guide On Screen™ Services (continued)

Record features (continued)

3) Manually set a show to Record

1. Highlight SCHEDULE in the Service Bar, and press MENU to display the Schedule Options panel menu.
2. Highlight NEW MANUAL RECORDING and press ENTER to display the Record Options panel menu.

   Press ▲▼◀ ▶ to move through the options.

   Press the Number buttons or ▲▼◀ ▶ to change the information, as necessary.
3. Enter the information in the panel menu fields. For details, see "Set a show to Record from a panel menu" on the previous page. You will need to set the start and end time for the recording.

   Note: *When setting a Manual Recording, the frequency option "Daily" is available instead of "Regularly." See "Record icons," below right, for a description of Record icons.*
4. When finished entering the information in the fields, press ENTER to highlight SCHEDULE RECORDING, and press ENTER again to close the menu.

   A Record icon for the selected frequency appears on the show tile. See "Record icons," below right.

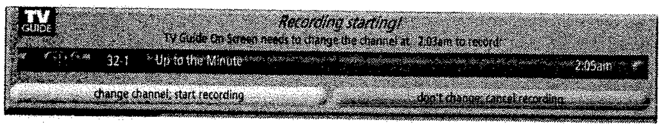
   Note: *Manual recording is listed by channel number.*

   Or highlight CANCEL and press ENTER to close the menu, change no information, and return to the highlighted show.

Recording notification banner

- If the TV is not on, the recording occurs as scheduled.
- If the TV is on and you are watching the channel that is set to record, the recording occurs as scheduled.
- If the TV is on and you are watching a channel other than the one that is set to record, a notification banner (illustrated below) appears on-screen before recording starts. At that time you can choose to start or cancel recording.

  The default highlighted item in the notification banner is "Change channel; start recording." If no change is made within 3 minutes, the notification banner will close automatically, the channel will change to the one set to record, and the recording will occur as scheduled. If you want to cancel the recording, select "Don't change; cancel recording" in the notification banner and press ENTER.



Recording starting!

TV Guide On Screen needs to change the channel at 2:03am to record:

TV GUIDE
32-1
Up to the Minute
2:05am
change channel; start recording
don't change; cancel recording

The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

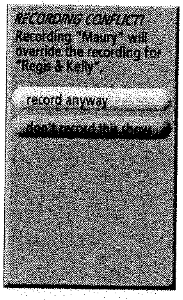
Record conflict

A conflict message appears for the following reasons:

- A show set to Record overlaps with any part of another show previously set to Record.
- A show set to Record overlaps with a show previously set to auto-tune. (For auto-tune details, see "Remind features" on page 55.)

Select one of these options:

- Record Anyway—This show will override an existing show set to Record or auto-tune.
- Don't Record This Show—Cancels the Recording.



RECORDING CONFLICT!

Recording "Maury" will override the recording for "Regis & Kelly".

Record icons

Following is a description of the Record icons that will appear on the tile for a show set to Record.

- Record Once ●—Records the show one time.
- Record Regularly R—Records the show every time the show airs on the same channel and starts at the same time.
- Record Weekly W—Records the show every time the show airs on the same day of the week and on the same channel, and starts at the same time.
- Record Daily D—Records on the same channel and at the same start time every weekday (Monday through Friday).

  Note: *This icon displays for manual recordings only.*
- Record Suspend ●—Recording is Suspended due to a schedule conflict (show remains in Schedule).
- Record Off ⊘—Keeps the Recording in the Schedule list but will not record this show until the frequency is changed.

TV Guide On Screen™ Services (continued)

Remind features

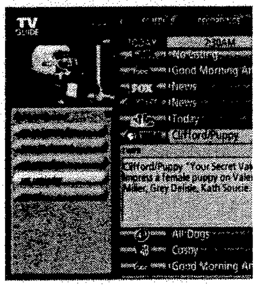
You can set a Reminder to perform the following functions:

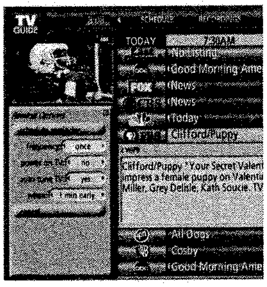
- Automatically turn on the TV (if off) at the scheduled reminder time, and tune the TV to the channel of the show for which you set the reminder.
- Automatically tune the TV, at the scheduled reminder time, to the channel of the show for which you set the reminder.
- Display an on-screen notification banner (reminding you that the show is about to start), from which you can choose to tune the TV to the show's channel or cancel the reminder.

You can set a show reminder, or edit the reminder settings for a show, in LISTINGS, SEARCH, and SCHEDULE. There are two ways to set a show reminder as described below

1) Set a show Reminder from a panel menu

1. Highlight a show and press MENU to display the Episode Options panel menu.
2. Highlight SET REMINDER and press ENTER to display the Remind Options panel menu.





3. Highlight the FREQUENCY field, and press ◀ ▶ to choose among Once, Regularly, Weekly, or Off.
4. Highlight the POWER ON TV field, and press ◀ ▶ to choose either Yes (to turn on the TV automatically, if off, at the scheduled Reminder time) or No (default).
5. Highlight the AUTO TUNE TV field, and press ◀ ▶ to choose either Yes (to automatically tune the TV to the channel you are setting the Reminder for at the scheduled Reminder time; the TV must be on at the time) or No (default).

   Note: *You can change the default values of the Remind Options panel menu fields. See "Change default options" on page 58 for details.*

6. Highlight the WHEN field (to set a time for displaying the reminder screen), and press ◀ ▶ to choose in the range from 15 minutes early to 15 minutes late or On Time (default = 1 minute early).
7. Press ENTER to highlight SCHEDULE REMINDER, and press ENTER again to close the menu. A Remind icon for the selected frequency appears on the show tile. See "Remind icons" on page 56.

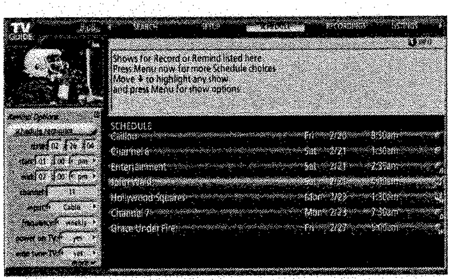
   Or highlight CANCEL and press ENTER to close the menu, change no information, and return to the highlighted show.

2) Manually set a show Reminder

1. Highlight SCHEDULE in the Service Bar, and press MENU to display the Schedule Options panel menu.
2. Highlight NEW MANUAL REMINDER and press ENTER to display the Remind Options panel menu.

   Press ▲▼◀ ▶ to move through the options.

   Press the Number buttons or ▲▼◀ ▶ to change the information, as necessary.



3. Enter the information in the panel menu fields. You will need to set the start and end time for the reminder. For details, see "Set a show reminder from a panel menu," at left.

   Note: *When setting a Manual Reminder, the frequency option "Daily" is available instead of "Regularly." See "Remind icons," on the following page, for a description of Reminder icons.*

4. When finished entering the information in the fields, press ENTER to highlight SCHEDULE REMINDER, and press ENTER again to close the menu.

   A Remind icon for the selected frequency appears on the show tile. See "Remind icons" on the following page.

   Note: *Manual reminders are listed by channel number.*

   Or highlight CANCEL and press ENTER to close the menu, change no information, and return to the highlighted show.

TV Guide On Screen™ Services (continued)

Remind features (continued)

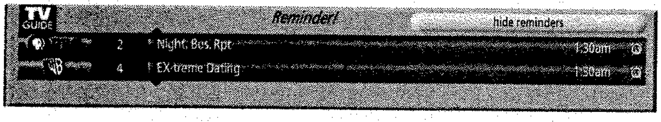
Reminder notification banner

Based on your option settings, a notification banner will appear on-screen, if your TV is on at the scheduled Reminder time.

At that time you can either press ENTER to hide the Reminder banner, or highlight the show and press ENTER to tune to the show.

If no choice is made within 3 minutes, the notification banner closes automatically and completes the highlighted item (default is HIDE REMINDERS).

Note: *If more than two reminders are set for the same time, arrows appear on the Reminder notification banner. Press ▲▼ to highlight the shows.*



2	Night. Bus. Rpt	1:30am	
4	EX-treme Dating	1:30am	

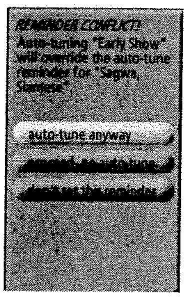
Remind conflict

A conflict message appears for the following reasons:

- A show set with an auto-tune Reminder has the same start time as an existing auto-tune Reminder.
- A show set with an auto-tune Reminder overlaps with a scheduled Recording.

Select one of these options:

- Auto-Tune Anyway—This show will override an existing show set to auto-tune.
- Proceed, No Auto-Tune—Set the show as a Reminder but do not auto-tune.
- Don't Set This Reminder—Cancels the Reminder.



REMINDER CONFLICT!
Auto-tuning "Early Show" will override the auto-tune reminder for "Sagwa, Siamese".

Remind icons

Following is a description of the Remind icons that will appear on the tile for a show set to Remind.

- Remind Once —Displays a show reminder one time.
- Remind Regularly —Displays a show reminder every time the show airs on the same channel and starts at the same time.
- Remind Daily —Displays a show Reminder every weekday (Monday through Friday) for the same channel and start time.

  Note: *This icon displays for manual reminders only.*
- Remind Suspend —Reminder is Suspended due to a schedule conflict (show remains in Schedule).
- Remind Off —Keeps the Reminder in the Schedule list but will not display a reminder until you change the frequency.

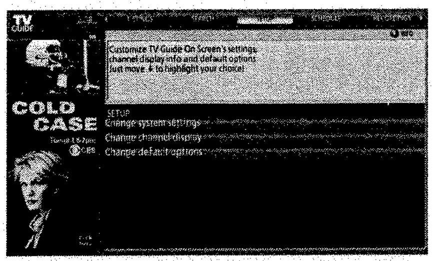
TV Guide On Screen™ Services (continued)

SETUP screen

After you complete the initial TV Guide On Screen™ setup (as described in Chapter 5), you can change the following settings:

- Change system settings
- Change channel display
- Change default options

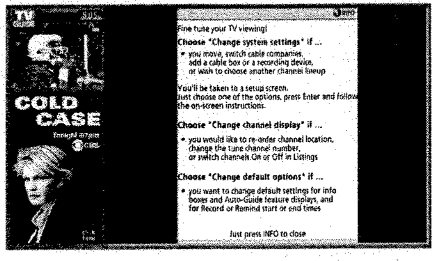
Highlight a choice, press ENTER, and follow the on-screen instructions.



Customize TV Guide On Screen's settings, channel display info and default options. Just move ⇕ to highlight your choice!

TV GUIDE
INFO
COLD CASE
SETUP
Change system settings
Change channel display
Change default options

With SETUP highlighted in the Service Bar, press INFO to display a help screen. Press INFO again to close the screen.



Fine tune your TV viewing!

Choose "Change system settings" if ...

- you move, switch cable companies, add a cable box or a recording device, or wish to choose another channel lineup

You'll be taken to a setup screen. Just choose one of the options, press Enter and follow the on-screen instructions.

Choose "Change channel display" if ...

- you would like to re-order channel location, change the tune channel number, or switch channels On or Off in Listings

Choose "Change default options" if ...

- you want to change default settings for info boxes and Auto-Guide feature displays, and for Record or Remind start or end times

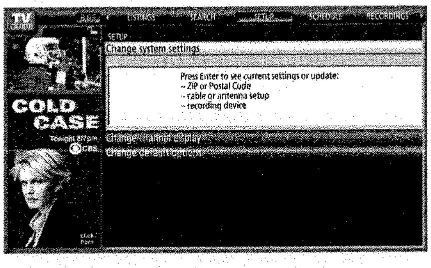
Just press INFO to close

TV GUIDE
INFO
COLD CASE
Tonight 8/7pm
CBS

Change system settings

This option appears only after you have completed the initial TV Guide On Screen™ setup process (as described in Chapter 5).

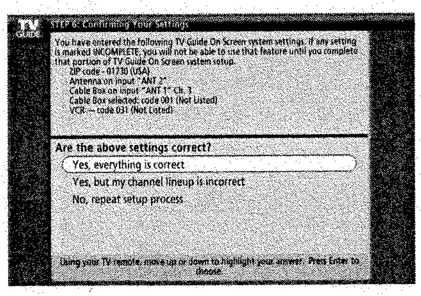
1. From the SETUP screen, highlight CHANGE SYSTEM SETTINGS and press ENTER.



Press Enter to see current settings or update:
-- ZIP or Postal Code
-- cable or antenna setup
-- recording device

TV GUIDE
LISTINGS
SEARCH
SETUP
SCHEDULE
RECORDINGS
SETUP
Change system settings
Change channel display
Change default options
COLD CASE
Tonight 8/7pm
CBS

2. Press ENTER again to display the Confirming Your Settings screen.



STEP 6: Confirming Your Settings

You have entered the following TV Guide On Screen system settings. If any setting is marked INCOMPLETE, you will not be able to use that feature until you complete that portion of TV Guide On Screen system setup.

ZIP code - 01730 (USA)
Antenna on input "ANT 2"
Cable Box on input "ANT 1" Ch. 3
Cable Box selected: code 001 (Not Listed)
VCR -- code 031 (Not Listed)

Are the above settings correct?

Yes, everything is correct
Yes, but my channel lineup is incorrect
No, repeat setup process

Using your TV remote, move up or down to highlight your answer. Press Enter to choose.

3. Highlight one of the options, press ENTER, and follow the on-screen instructions.

TV Guide On Screen™ Services (continued)

SETUP screen (continued)

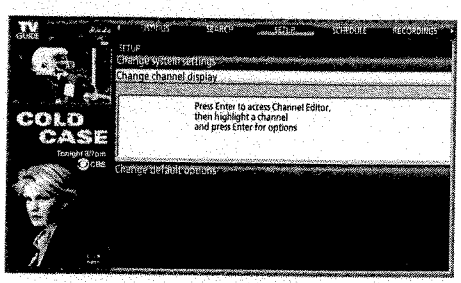
Change channel display

This option allows you to edit channel information that appears in LISTINGS, including the following:

- Reorder the position the channels appear in LISTINGS.
- Change the "tune channel" number.

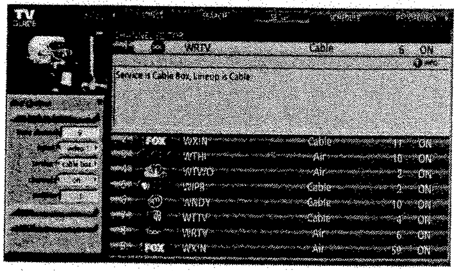
  Note: *The "tune channel" is the channel on which you receive a station. For example, two viewers in the same zip code may receive the same station on different channel numbers, depending on whether they have Cable service or are using a cable box.*
- Switch a channel to one of the following settings:
  - **On** (channel is always displayed in LISTINGS)
  - **Off** (channel is never displayed in LISTINGS)
  - **Auto-Hide** (channel is displayed in LISTINGS only when program information is available)

1. From the SETUP screen, highlight CHANGE CHANNEL DISPLAY and press ENTER.


TV GUIDE
LISTINGS
SEARCH
SETUP
SCHEDULE
RECORDINGS
SETUP
Change system settings
Change channel display
Change default options
COLD CASE
Tonight 8/7pm
CBS

Press Enter to access Channel Editor,
then highlight a channel
and press Enter for options

2. Highlight the channel row you want to edit and press ENTER to display the Grid Options panel menu.


TV GUIDE
INFO

WRTV	Cable	6	ON
WXIN	Cable	11	ON
WTHI	Air	10	ON
WTWO	Air	2	ON
WIPB	Cable	2	ON
WNDY	Cable	10	ON
WTTV	Cable	4	ON
WRTV	Air	6	ON
WXIN	Air	59	ON

Service is Cable Box, Lineup is Cable

3. To edit the options, press INFO and follow the on-screen instructions.

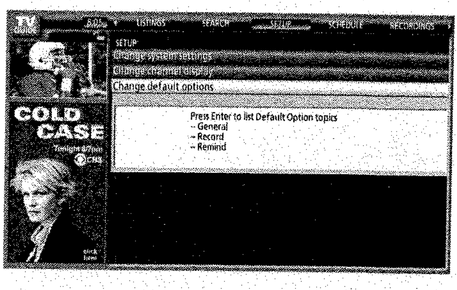
Change default options

This option allows you to change default settings in the following categories:

- General Defaults
- Record Defaults
- Remind Defaults

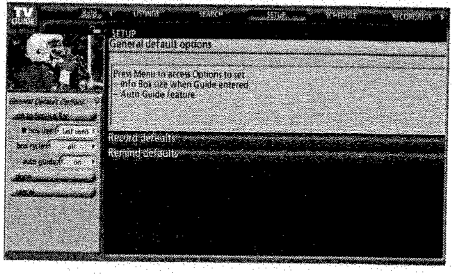
General defaults

1. From the SETUP screen, highlight CHANGE DEFAULT OPTIONS and press ENTER.


TV GUIDE
LISTINGS
SEARCH
SETUP
SCHEDULE
RECORDINGS
SETUP
Change system settings
Change channel display
Change default options
COLD CASE
Tonight 8/7pm
CBS

Press Enter to list Default Option topics
-- General
-- Record
-- Remind

2. Highlight GENERAL DEFAULTS and press MENU to display the General Defaults panel menu.


TV GUIDE
LISTINGS
SEARCH
SETUP
SCHEDULE
RECORDINGS
SETUP
General default options
Record defaults
Remind defaults
last used
all
on

Press Menu to access Options to set
-- Info Box size when Guide entered
-- Auto Guide feature

3. Enter the following information in the panel menu fields:
   - BOX SIZE: The initial Info Box size when you open the TV Guide On Screen™ system. Choices are No, Small (default), Large, and Last Used.
   - BOX CYCLE: The Info Box size rotation when you press INFO on the remote control when the TV Guide On Screen™ system is open. Choices are No Only, Small Only, Large Only, No & Small, No & Large, Small & Large, and All (default).
   - AUTO GUIDE: Automatic entry into the TV Guide On Screen™ system when the TV is powered on. Choices are On (default) and Off.

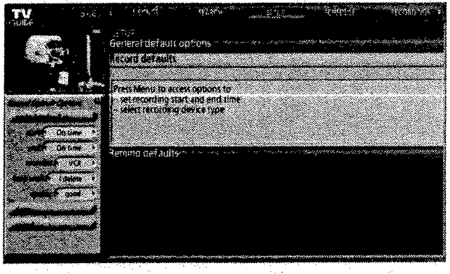
     Note: *Set the AUTO GUIDE to Off if you do not want the TV Guide On Screen™ system to open every time you turn on the TV.*
4. When finished, press ENTER to highlight DONE, and press ENTER again to close the menu and accept the changes (or highlight CANCEL to close the menu with no changes).

TV Guide On Screen™ Services (continued)

SETUP screen (continued)

Record defaults

1. From the SETUP screen, highlight CHANGE DEFAULT OPTIONS and press ENTER.
2. Highlight RECORD DEFAULTS and press MENU to display the Record Defaults panel menu.

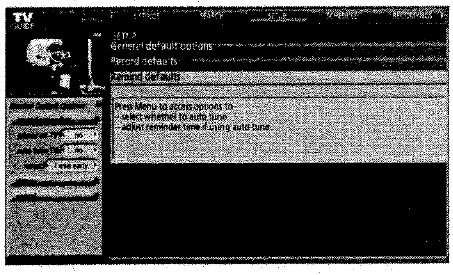

TV GUIDE
SETUP
General default options
Record defaults
Remind defaults
On time
On time
VCR
I delete
good

Press Menu to access options to
- set recording start and end time
- select recording device type

3. Enter the required information in the panel menu fields (start time, end time, recorder choice, how long to keep a Record event, the quality of the recording). See "Record features" on page 53 for details on entering values in these fields.
4. When finished, press ENTER to highlight DONE, and press ENTER again to close the menu and accept the changes (or highlight CANCEL to close the menu with no changes).

Remind defaults

1. From the SETUP screen, highlight CHANGE DEFAULT OPTIONS and press ENTER.
2. Highlight REMIND DEFAULTS and press MENU to display the Remind Defaults panel menu.


TV GUIDE
SETUP
General default options
Record defaults
Remind defaults
no
no
1 min early

Press Menu to access options to
- select whether to auto tune
- adjust reminder time if using auto tune

3. Enter the required information in the panel menu fields (power On TV, auto-tune, when to display the Remind screen). See "Remind features" on page 55 for details on entering values in these fields.
4. When finished, press ENTER to highlight DONE, and press ENTER again to close the menu and accept the changes (or highlight CANCEL to close the menu with no changes).

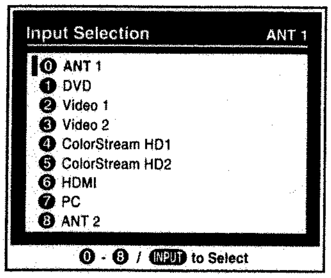
8 Using the TV's features

Selecting the video input source to view

To select the video input source to view:

1. Press INPUT on the remote control or TV/VIDEO on the TV top panel.
2. Press 0–8 to select the input source you want to view, which will depend on the input terminals you used to connect your devices (see Chapter 2).

   The current signal source displays in the top right corner of the Input Selection screen.



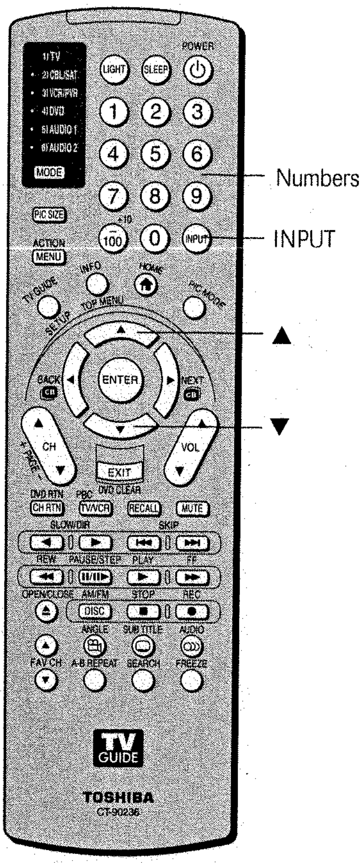
Input Selection ANT 1

- ⓪ ANT 1
- ① DVD
- ② Video 1
- ③ Video 2
- ④ ColorStream HD1
- ⑤ ColorStream HD2
- ⑥ HDMI
- ⑦ PC
- ⑧ ANT 2

⓪ - ⑧ / INPUT to Select

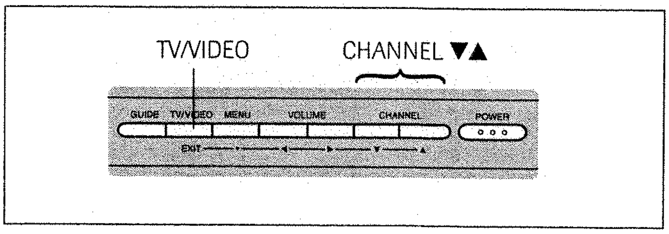
Note:

- *When the Input Selection screen is open, you also can use ▲▼ on the remote control (or the CH ▲▼ on the top panel) to change the input.*
- *You can repeatedly press INPUT on the remote control or TV/VIDEO on the TV top panel to change the input.*
- *You can label the video input sources according to the specific devices you have connected to the TV (see "Labeling the video input sources" on the next page).*
- *The source can be "hidden." See page 61 for details.*



Remote control

TV top panel



Labeling the video input sources

You can label each video input source according to the type of device you connected to each source, from the following preset list of labels:

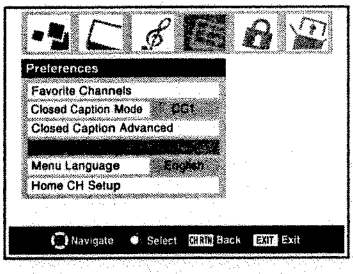
- – – (*default label*)
- Cable
- DTV
- Satellite/DSS
- VCR
- Laser Disk
- DVD
- Audio Receiver
- Compact Disc
- Video Recorder
- Hide (to hide an unused input in the Input Selection window)

Note:

If you set up a cable box in VIDEO 1, that input will be labeled automatically and cannot be relabeled until you remove the device from the TV Guide On Screen™ setup.

To label the video input sources:

1. Press MENU and open the Preferences menu.
2. Highlight Input Labeling and press ENTER.
3. Press ▲▼ to highlight the video source you want to label.



Preferences

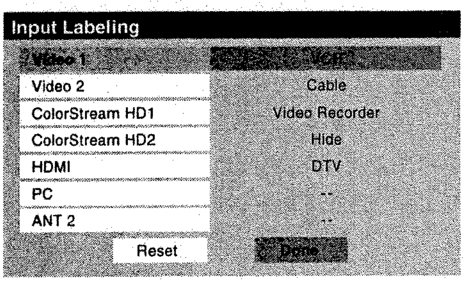
Favorite Channels

Closed Caption Mode CC1

Closed Caption Advanced

Menu Language English

Home CH Setup



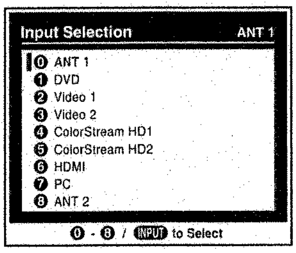
Input Labeling

Video 1	VCR
Video 2	Cable
ColorStream HD1	Video Recorder
ColorStream HD2	Hide
HDMI	DTV
PC	--
ANT 2	--
Reset	Done

4. Press ◀ ▶ to select the desired label for that input source. If a particular input is not used, you can select "Hide" as the label, which will cause that input to be "grayed out" in the input list and skipped over when you press INPUT on the remote control.
5. To save the new input labels, highlight Done and press ENTER. To revert to the factory default labels, highlight Reset and press ENTER.

Input labeling example:

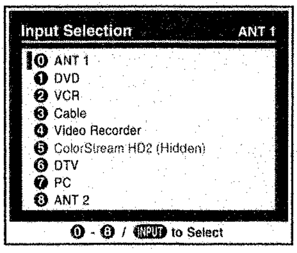
The screen below left shows the default Input Selection screen (with none of the inputs labeled). The screen below right is an example of how you could label the inputs if you had connected a VCR to VIDEO 1, Cable TV to VIDEO 2, a video recorder to ColorStream HD 1 and a DTV set-top box to HDMI. Also note that the ColorStream HD 2 input is labeled "Hidden," which means that the input will be skipped over when INPUT or TV/VIDEO is pressed.



Input Selection ANT 1

⓪ ANT 1
❶ DVD
❷ Video 1
❸ Video 2
❹ ColorStream HD1
❺ ColorStream HD2
❻ HDMI
❼ PC
❽ ANT 2

Input Selection screen with no inputs labeled



Input Selection ANT 1

⓪ ANT 1
❶ DVD
❷ VCR
❸ Cable
❹ Video Recorder
❺ ColorStream HD2 (Hidden)
❻ DTV
❼ PC
❽ ANT 2

Input Selection screen with all inputs labeled except input 5, which has been hidden.

To clear the input labels:

1. Press MENU and open the Preferences menu.
2. Highlight Input Labeling and press ENTER.
3. Highlight Reset and press ENTER.

Tuning channels

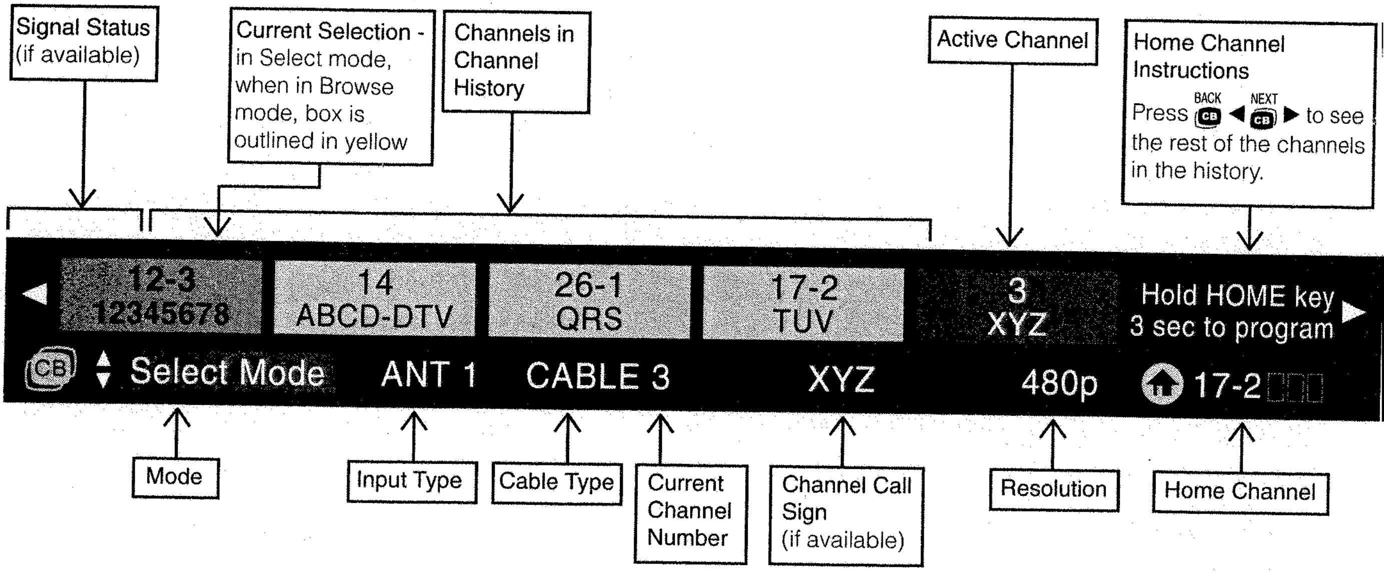
Using the ChannelBrowser™

The Channel Browser feature allows you to browse and view channels by storing your recently viewed channels in channel history. You can surf Back to channels you viewed prior to your current channel, and surf Forward from previous channels up to your current channel. With this feature, you will be able to do the following:

- Surf via "Browse" mode or "Select" mode
- Keep a history of the last 32 channels viewed
- Set a single channel as the "HOME" channel for up to three inputs

Elements of the channel browser banner:

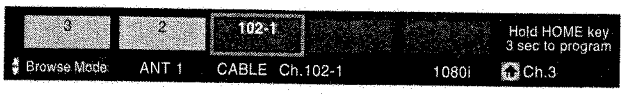
Press ◀▶ until the Channel Browser appears.


Signal Status (if available)
Current Selection - in Select mode, when in Browse mode, box is outlined in yellow
Channels in Channel History
Active Channel
Home Channel Instructions
Press BACK CB ◀ NEXT CB ▶ to see the rest of the channels in the history.
12-3 12345678
14 ABCD-DTV
26-1 QRS
17-2 TUV
3 XYZ
Hold HOME key 3 sec to program
CB Select Mode
ANT 1
CABLE 3
XYZ
480p
17-2
Mode
Input Type
Cable Type
Current Channel Number
Channel Call Sign (if available)
Resolution
Home Channel

To tune to channels in Browse Mode:

In Browse mode, channels are tuned to immediately. The channel box in the channel browser window will be highlighted yellow when selected.

1. Press BACK CB ◀ NEXT CB ▶ when watching TV to open the Channel Browser banner and to tune back to a previous channel or next to the next saved channel in the history.
2. Press EXIT to close the channel browser.

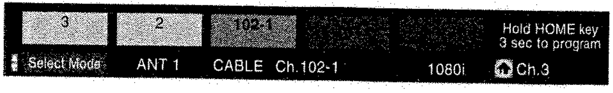

3
2
102-1
Hold HOME key 3 sec to program
Browse Mode
ANT 1
CABLE Ch.102-1
1080i
Ch.3

Note: *The channel browser closes automatically if you do not make a selection with in 60 seconds,*

To tune to channels in Select Mode:

In Select mode, channels are highlighted in the channel browser banner and must be tuned to manually as described below. The channel box in the channel browser will have a yellow border when selected.

1. Press BACK CB ◀ NEXT CB ▶ when watching TV to open the Channel Browser banner and to navigate back to the previous channel or next to the next saved channel in the history.
2. Press ENTER to tune to the channel you want.
3. Press EXIT to close the channel browser.


3
2
102-1
Hold HOME key 3 sec to program
Select Mode
ANT 1
CABLE Ch.102-1
1080i
Ch.3

To toggle between "Browse" and "Select" modes:

While in the Channel Browser screen, press ▲▼ to go between the "Browse" and "Select" modes. The mode section will flash green.

Note: *The Channel Browser opens in "Browse" mode by default.*

Tuning channels (continued)

Using the ChannelBrowser™ (continued)

Adding Channels to the Channel History:

The Channel Browser will keep a history of the last 32 channels tuned. A separate history will be stored per input (ANT1, ANT2, and Cable Box). If you change inputs, you will begin a channel history for that input. If you return to an input that already has channels stored in its history, you will return to the same channel history that was there.

It will store all channels that are tuned to using the number buttons on the remote control. It will store channels that were tuned to for at least 7 seconds from CH ▲▼ or FAV CH ▲▼ on the remote control.

Clearing Channels from the Channel History:

Turn the TV on and off will clear the channel history:

Changing the antenna inputs (ANT1, ANT2, and Cable Box) or removing the CableCARD™ will clear the history.

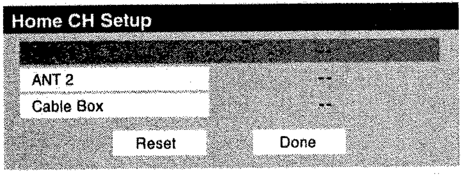
To set a channel as HOME using the remote button:

1. Tune to the channel you would like to be your home channel.
2. Press and hold HOME 🏠 for 3 seconds to save a channel as the HOME channel. The channel browser banner will display at the bottom of your screen when the channel is saved with the home icon flashing green.

   Note: *You can set a different home channel for ANT1, ANT2, and Cable Box.*

To set a channel as HOME using the menu setup:

1. Press MENU and open the Preferences menu.
2. Highlight Home CH Setup and press ENTER. The Home CH Setup window will display.



Home CH Setup

ANT 2	--
Cable Box	--

Reset Done

Note: *"Cable Box" will be active only if you connected a cable box to your TV.*

3. Use ▲▼ to select the input type you want to set the home channel for.
4. Use the Channel Number buttons on the remote control to enter the desired channel for each input.
5. To save your selections, highlight Done and press ENTER to save your entries.

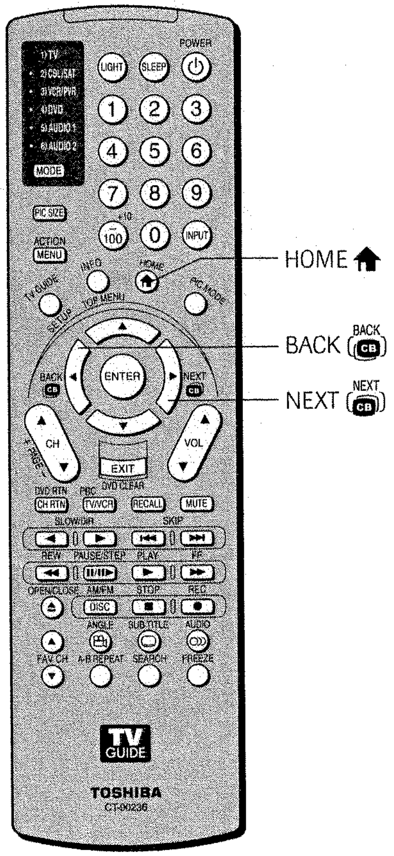
To clear the entries, highlight Reset and press ENTER.

To tune to the HOME channel:

For each input that you have set a home channel for, press HOME 🏠 on your remote to tune to the home channel.

Note:

If you are on an input other than an antenna or cable box input and press HOME 🏠 key, your TV will tune to the last visited home channel.



Tuning channels (continued)

To tune to the channels you programmed as Favorite Channels, see page 42.

Tuning to the next programmed channel

To tune to the next programmed channel:

Press CH ▲▼ on the remote control or TV top panel.

Note:

- *This feature will not work unless you program channels into the TV's channel memory (see page 40).*
- *If you are recording a digital channel, you will only be able to change channels between analog channels while the recording is in progress. This is because the digital tuner in the TV will be locked on the channel that is currently recording. If you are recording an analog channel, you will only be able to change channels between digital channels while the recording is in progress. This is because the analog tuner in the TV will be locked on the channel that is currently recording.*

Tuning to a specific channel (programmed or unprogrammed)

Tuning analog channels:

Press the Channel Number buttons (0–9) on the remote control. For example, to select channel 125, press 1, 2, 5.

Tuning digital channels:

Press the Channel Number buttons (0–9) on the remote control, followed by the – (dash) button and then the sub-channel number. For example, to select digital channel 125-1, press 1, 2, 5, –, 1.

Note: *If a digital channel is not programmed–either through the automatic channel scan (page 40) or the channel add/delete function (page 41)–you will have to tune the RF channel using the Channel Number and Dash buttons on the remote control.*

Switching between two channels using Channel Return

The Channel Return feature allows you to switch between two channels without entering an actual channel number each time.

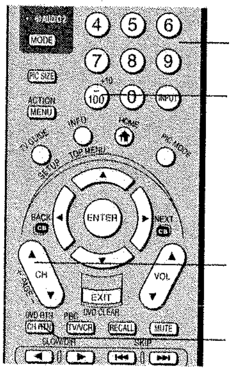
1. Select the first channel you want to view.
2. Select a second channel using the Channel Number buttons (and the dash (–) button if selecting a digital channel).
3. Press CH RTN on the remote control. The previous channel will display. Each time you press CH RTN, the TV will switch back and forth between the last two channels that were selected.

Note: *If you press CH RTN from a non-antenna input, the TV will return to the last-viewed ANT input and channel.*
If you are currently recording a program, this feature will not be available.

Switching between two channels using SurfLock™

The SurfLock™ feature temporarily "memorizes" one channel in CH RTN, so you can return to that channel quickly from any other channel by pressing CH RTN. To memorize a channel in CH RTN:

1. Select the channel you want to program into CH RTN.
2. Press and hold CH RTN for about 2 seconds until the message "Channel Memorized" appears on the screen. The channel has been programmed into CH RTN.
3. Continue to change channels until your desired channel is selected.
4. Press CH RTN. The memorized channel will be selected. The TV will return to the memorized channel one time only. Once you press CH RTN and then change channels again, CH RTN memory will be cleared and the button will function as Channel Return, by switching back and forth between the last two channels that were selected.



Selecting the picture size

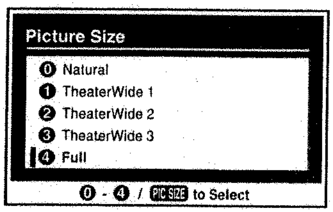
You can view many program formats in a variety of picture sizes—Natural, TheaterWide 1, TheaterWide 2, TheaterWide 3, and Full—as described below and on the next page.

The way the image displays in any of the picture sizes will vary depending on the format of the program you are viewing. Select the picture size that displays the current program the way that looks best to you.

Your picture size preferences can be saved for each input on your TV.

To select the picture size:

1. Press PIC SIZE on the remote control.
2. While the Picture Size menu is on-screen, press the corresponding number button (0–4) to select the desired picture size.



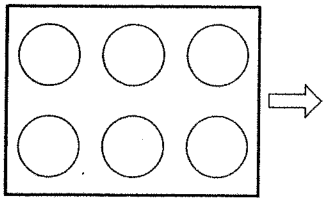
Note:

- *You also can repeatedly press PIC SIZE to select the desired picture size (or press ▲▼ on the remote control while the Picture Size screen is open).*
- *"Full" may not be available for some program formats (It will be "grayed out" in the Picture Size screen).*

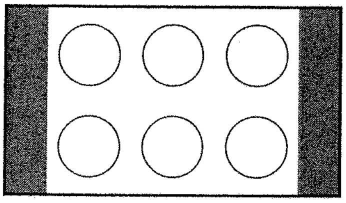
Natural picture size

- The image is displayed close to its originally formatted proportion. Some program formats will display with sidebars and/or bars at the top and bottom.

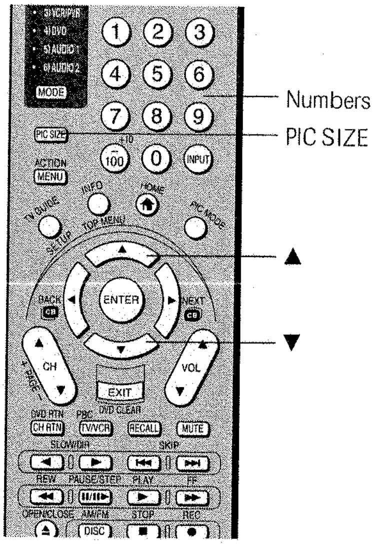
Natural picture size example: The way the image displays will vary depending on the format of the program you are currently watching.



Conventional picture on a conventional TV screen

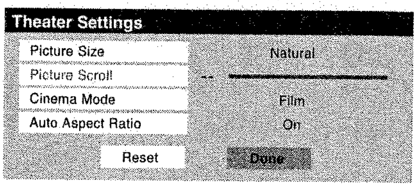


Conventional picture in Natural size on your wide-screen TV



You also can select the picture size using the menu system. Select Picture Size in the Video / Theater Settings menu. Select the input you wish to save your picture size settings for.

See page 67 for instractions on saving settings.



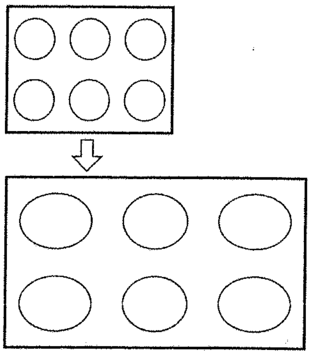
Theater Settings

Picture Size	Natural
Picture Scroll	--
Cinema Mode	Film
Auto Aspect Ratio	On
Reset	Done

Selecting the picture size (continued)

TheaterWide 1 picture size (For 4:3 format program)

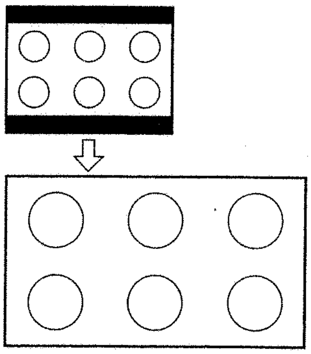
- The center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen.



TheaterWide 1 picture size example

TheaterWide 2 picture size (for letter box programs)

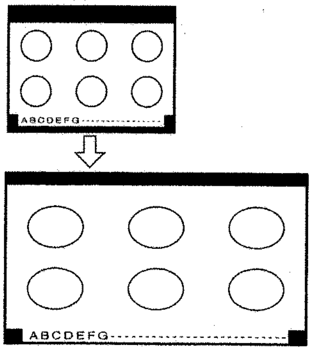
- The picture is stretched wider to fill the width of the screen, but only slightly stretched taller.
- The top and bottom edges of the picture are hidden. To view the hidden areas, see "Scrolling the TheaterWide® picture" on page 67.



TheaterWide 2 picture size example

TheaterWide 3 picture size (for letter box programs with subtitles)

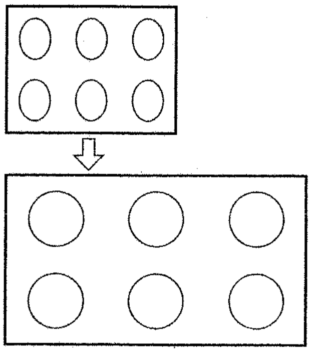
- The picture is stretched wider to fill the width of the screen, but only slightly stretched taller.
- The top and bottom edges are hidden. To view the hidden areas (such as subtitles or captions), see "Scrolling the TheaterWide® picture" on page 67.



TheaterWide 3 picture size example

Full picture size (for 16:9 [480i, 480p] source programs only)

- If receiving a squeezed 4:3 format program, it is stretched wider to fill the width of the screen, but not stretched taller.
- None of the picture is hidden.



Full picture size example

To select the picture size, press PIC SIZE on th remote control.

Note:

- *If you select one of the TheaterWide picture sizes, the top and bottom edges of the picture (including subtitles or captions) may be hidden. To view the hidden edges, either scroll the picture (TheaterWide 2 and 3 only) or try viewing the program in Full or Natural picture size.*
- *When selecting the picture size, the way the image displays will vary depending on currently watching.*

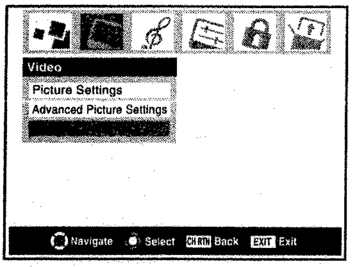
Using these functions to change the picture size (i.e., changing the height/width ratio) for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Scrolling the TheaterWide® picture (TheaterWide 2 and 3 only)

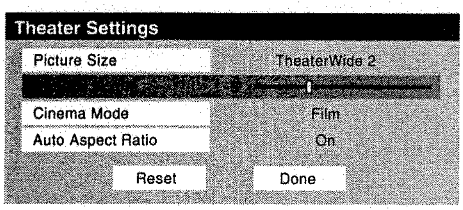
You can set separate scroll settings for TheaterWide 2 and TheaterWide 3 modes for each input.

To set the scroll settings:

1. Press MENU and open the Video menu.
2. Highlight Theater Settings and press ENTER.


Video
Picture Settings
Advanced Picture Settings
Navigate
Select
CH RTN Back
EXIT Exit

3. In the Picture Size field, select either TheaterWide 2 or TheaterWide 3 (you cannot scroll in any other mode).
4. Press ▼ to highlight the Picture Scroll field.
5. Press ◀ ▶ to scroll the picture up and down as needed, from –10 to +20.


Theater Settings
Picture Size TheaterWide 2
Cinema Mode Film
Auto Aspect Ratio On

6. To save the new settings, highlight Done and press ENTER. To revert to the factory defaults, highlight Reset and press ENTER.

Using the auto aspect ratio feature

When the Auto Aspect feature is set to On and one of the following input sources is received, the picture size is automatically selected (as described in the table below):

- A 480i signal from the VIDEO 1, VIDEO 2, ColorStream HD 1, or ColorStream HD 2 input.
- A 480i, 480p, 1080i or 720p signal from the HDMI input.

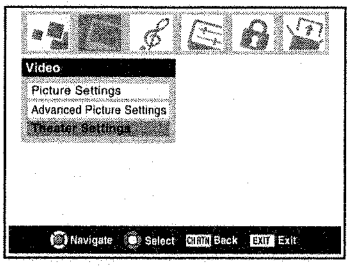
Aspect ratio of signal source	Automatic aspect size (automatically selected when Auto Aspect is On)
4:3 normal	Natural (with sidebars)
4:3 letter box	TheaterWide 2
16:9 full	Full
Not defined (no ID-1 data or) HDMI aspect data)	User-selected picture size (see pages 65–66)

Note:

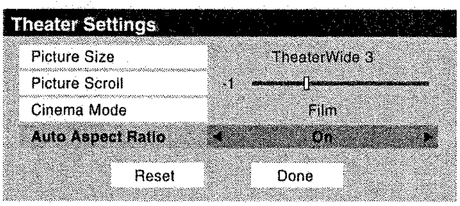
- *The auto aspect ratio feature is not applicable to antenna or Cable input sources.*
- *The auto aspect ratio feature is not available when the FREEZE mode is active, or the TV Guide On Screen™ system is open.*

To turn on the auto aspect ratio feature:

1. Press MENU and open the Video menu.
2. Highlight Theater Settings and press ENTER.


Video
Picture Settings
Advanced Picture Settings
Theater Settings
Navigate
Select
CH RTN Back
EXIT Exit

3. In the Auto Aspect Ratio field, select On.


Theater Settings
Picture Size TheaterWide 3
Picture Scroll -1
Cinema Mode Film
Auto Aspect Ratio ◀ On ▶

4. To save the new settings, highlight Done and press ENTER. To revert to the factory defaults, highlight Reset and press ENTER.

To turn off the auto aspect ratio feature:

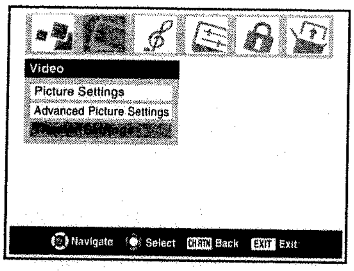
Select Off in step 3 above.

Selecting the cinema mode (480i signals only)

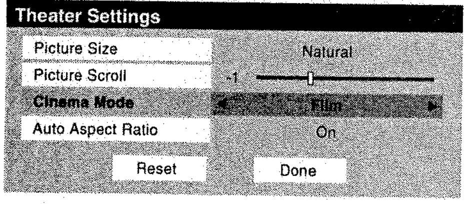
When you view a DVD (480i signal; 3:2 pulldown processed) from a DVD player connected to the VIDEO 1, VIDEO 2, ColorStream HD 1/HD 2 (component video), or HDMI inputs on the TV, smoother motion can be obtained by setting the Cinema Mode to Film.

To set the Cinema Mode to Film:

1. Press MENU and open the Video menu.
2. Highlight Theater Settings and press ENTER.


Video
Picture Settings
Advanced Picture Settings
Theater Settings
Navigate
Select
CH RTN Back
EXIT Exit

3. In the Cinema Mode field, select Film.



Theater Settings

Picture Size: Natural
Picture Scroll: -1
Cinema Mode: Film
Auto Aspect Ratio: On
Reset
Done

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

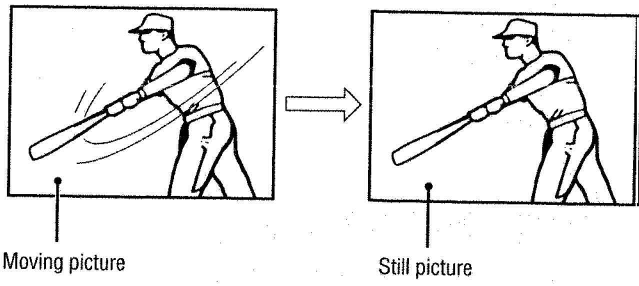
To set the Cinema Mode to Video:

Select Video in step 3 above.

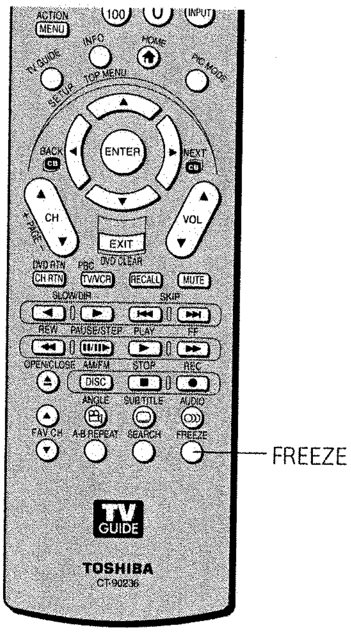
Using the FREEZE feature

1. When viewing the TV, press FREEZE to make the picture still picture.
2. To return to the moving picture, either press FREEZE again, press EXIT or press any other button.

   Note: *If the TV is left in FREEZE mode, after 15 minutes it will automatically release the FREEZE mode and return to the moving picture.*


Moving picture
Still picture

Using the FREEZE function for any purpose other than your private viewing may be prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.


FREEZE
TOSHIBA
CT-90236

Adjusting the picture

Selecting the picture mode

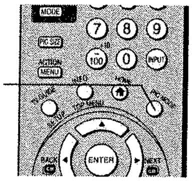
You can select your desired picture settings from four picture modes, as described below.

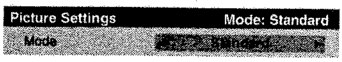
Mode	Picture Quality
Sports	Bright and dynamic picture (factory setting)
Standard	Standard picture settings (factory setting)
Movie	Lower contrast for darkened room (factory setting)
Preference	Your personal preferences

To select the picture mode:

Press PIC MODE on the remote control.

The following popup menu appears on-screen.

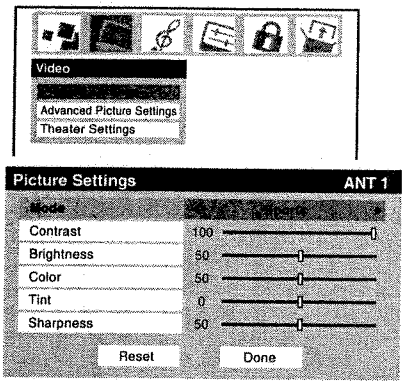



Picture Settings Mode: Standard
Mode ◄ Standard ►

Repeatedly press PIC MODE to cycle among the modes.

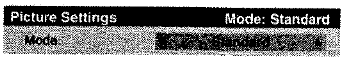
To select the picture mode using the menu system:

1. Press MENU and open the Video menu.
2. Highlight Picture Settings and press ENTER.



Picture Settings ANT 1
Mode [illegible]
Contrast 100
Brightness 50
Color 50
Tint 0
Sharpness 50
Reset
Done

3. Press ▼ to highlight the Mode field, and then ◀ ▶ to select the mode you prefer.


Picture Settings Mode: Standard
Mode ◄ Standard ►

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

Note:

- *The picture mode you selected is for the current input selection only (ANT 1 in the example above). You can select a different picture mode for each input selection.*
- *If you select one of the factory-set picture modes (Sports, Standard, or Movie) and then change a picture quality setting (for example, increase the contrast or change the color temperature), the picture mode automatically changes to Preference in the Picture Settings menu.*

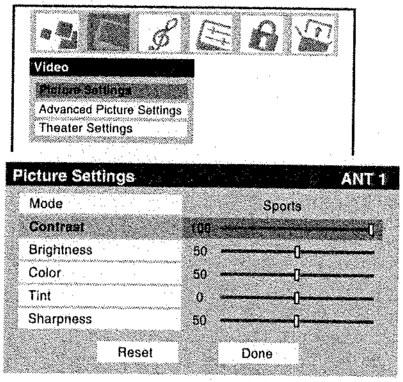
Adjusting the picture quality

You can adjust the picture quality (contrast, brightness, color, tint, and sharpness) to your personal preferences.

Selection	◄ Pressing	►
Contrast	lower	higher
Brightness	darker	lighter
Color	paler	deeper
Tint	reddish	greenish
Sharpness	softer	sharper

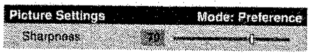
To adjust the picture quality:

1. Press MENU and open the Video menu.
2. Highlight Picture Settings and press ENTER.



Picture Settings ANT 1
Mode Sports
Contrast 100
Brightness 50
Color 50
Tint 0
Sharpness 50
Reset
Done

3. Press ▲▼ to select the picture quality you want to adjust (Contrast, Brightness, Color, Tint, or Sharpness), and then ◀ ▶ to adjust the setting, as described in the table above.


Picture Settings Mode: Preference
Sharpness 70

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

The picture qualities you adjusted are automatically saved in the Preference mode (see "Selecting the picture mode," above left).

Adjusting the picture (continued)

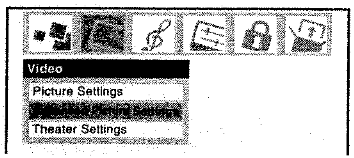
Using CableClear® /DNR (digital noise reduction)

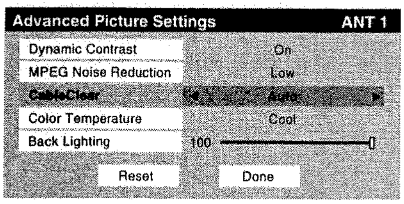
The CableClear® digital noise reduction feature allows you to reduce visible interference in your TV picture. This may be useful when receiving a broadcast with a weak signal (especially a Cable channel) or playing back a noisy video cassette or disc. This feature is enabled for 480i signals only.

Note: *The CableClear/DNR feature does not function in HDMI (DVI), ATSC, and digital Cable modes.*

To select CableClear/DNR preferences:

1. Press MENU and open the Video menu.
2. Highlight Advanced Picture Settings and press ENTER.
3. Press ▼ to highlight the CableClear/DNR field, and then press ◀ ▶ to make a selection.




Advanced Picture Settings ANT 1
Dynamic Contrast On
MPEG Noise Reduction Low
CableClear ◀ Auto ▶
Color Temperature Cool
Back Lighting 100

Note:

- *If the current input is Antenna, Video 1, or Video 2, the menu will display the text "CableClear." The available selections are "Off", "Low", "Middle", "High", and "Auto".*
- *If the current input is built-in DVD, ColorStream HD or HDMI and the video resolution is 480i, the menu will display the text "DNR" The available selections are "Off", "Low", "Middle", "High", and "Auto". "Auto" will react proportionally to the strength of the noise. "Low", "Middle", and "High" will reduced the noise in varying degrees.*
- *If the current input is built-in DVD, ColorStream HD or HDMI and the video resolution is not 480i, the menu will display the text "DNR" and will be "grayed out" with "Off" selected.*

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

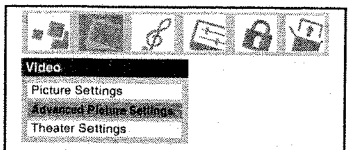
Selecting the color temperature

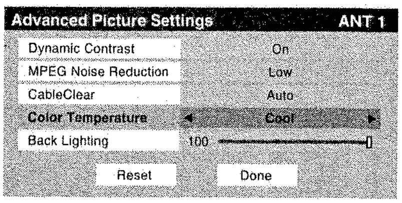
You can change the quality of the picture by selecting from three preset color temperatures: cool, medium, and warm, as described below.

Mode	Picture Quality
Cool	blueish
Medium	neutral
Warm	reddish

To select the color temperature:

1. Press MENU and open the Video menu.
2. Highlight Advanced Picture Settings and press ENTER.
3. Press ▼ to highlight the Color Temperature field, and then press ◀ ▶ to select the mode you prefer (Cool, Medium, or Warm).




Advanced Picture Settings ANT 1
Dynamic Contrast On
MPEG Noise Reduction Low
CableClear Auto
Color Temperature ◀ Cool ▶
Back Lighting 100

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

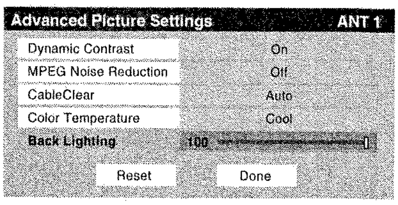
Note: *If you select one of the factory-set picture modes (Sports, Standard, or Movie) and then change the color temperature mode, the picture mode automatically changes to Preference in the Picture Settings menu.*

Adjusting the back lighting feature

You can use the back lighting feature to adjust the screen brightness for improved picture clarity.

To adjust the back lighting:

1. Press MENU and open the Video menu.
2. Highlight Advanced Picture Settings and press ENTER.
3. Press ▼ to highlight Back Lighting, and then press ◀ ▶ to adjust the screen brightness (0-100).


Advanced Picture Settings ANT 1
Dynamic Contrast On
MPEG Noise Reduction Off
CableClear Auto
Color Temperature Cool
Back Lighting 100

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

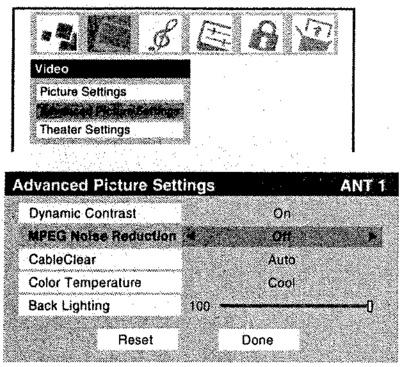
Adjusting the picture (continued)

Using MPEG Noise Reduction

The MPEG Noise Reduction feature allows you to reduce visible interference caused by MPEG compression. Choices for MPEG Noise Reduction are "High," "Medium," "Low" and "Off" with "Off" selected when this feature is "grayed out" because it is disabled. This feature is not available in the PC input mode.

To select MPEG Noise Reduction preferences:

1. Press MENU and open the Video menu.
2. Highlight Advanced Picture Settings and press ENTER.
3. Press ▼ to highlight the MPEG Noise Reduction field, and then press ◀ ▶ to make a selection.


Video
Picture Settings
Advanced Picture Settings
Theater Settings
Advanced Picture Settings
ANT 1
Reset
Done

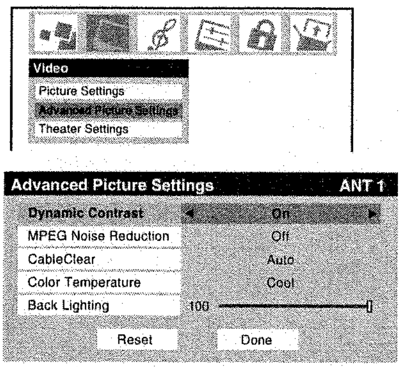
Dynamic Contrast: On
MPEG Noise Reduction: Off
CableClear: Auto
Color Temperature: Cool
Back Lighting: 100

Using Dynamic Contrast

When the dynamic contrast is turned "On," the TV will detect when changes in picture quality affect the appearance of your contrast settings and adjust the video automatically. When dynamic contrast is turned "Off," the settings selected in the Contrast field in Picture Settings will be used.

To select Dynamic Contrast preferences:

1. Press MENU and open the Video menu.
2. Highlight Advanced Picture Settings and press ENTER.
3. Press ▼ to highlight the Dynamic Contrast field, and then press ◀ ▶ to make a selection (On or Off).


Video
Picture Settings
Advanced Picture Settings
Theater Settings
Advanced Picture Settings
ANT 1
Reset
Done

Dynamic Contrast: On
MPEG Noise Reduction: Off
CableClear: Auto
Color Temperature: Cool
Back Lighting: 100

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

__Note:__ The Color Temperature, Back Lighting, Dynamic Contrast adjustments in the Advanced Picture Settings menu are automatically saved in the Preference mode (see "Selecting the picture mode" on page 69.

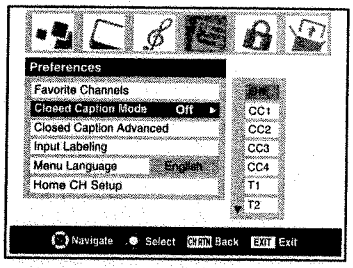
Using the closed caption mode

The closed caption mode has two options:

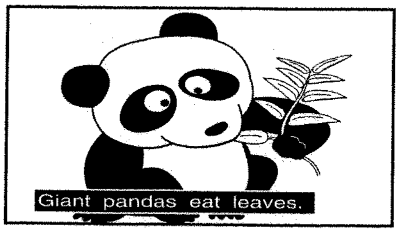
- Captions—An on-screen display of the dialog, narration, and sound effects of TV programs and videos that are closed captioned (usually marked "CC" in program guides).
- Text—An on-screen display of information not related to the current program, such as weather or stock data (when provided by individual stations).

To view captions or text:

1. Press MENU and open the Preferences menu.
2. Highlight Closed Caption Mode and then press ▶ to open the menu sidebar.
3. Press ▼ to highlight the desired closed caption mode and then press ENTER.


Preferences
Favorite Channels
Closed Caption Mode Off ▶
Closed Caption Advanced
Input Labeling
Menu Language English
Home CH Setup
Off
CC1
CC2
CC3
CC4
T1
T2
Navigate
Select
CH RTN Back
EXIT Exit

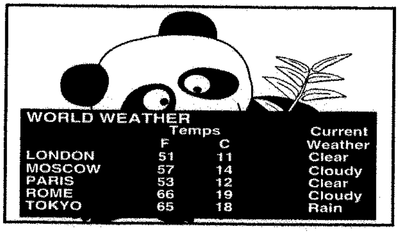
- **To view captions:** Highlight CC1, CC2, CC3, or CC4. (CC1 displays translation of the primary language in your area.)



Giant pandas eat leaves.

Note: If the program or video you selected is not closed captioned, no captions will display on-screen.

- **To view text:** Highlight T1, T2, T3, or T4.



WORLD WEATHER

	Temps F	Temps C	Current Weather
LONDON	51	11	Clear
MOSCOW	57	14	Cloudy
PARIS	53	12	Clear
ROME	66	19	Cloudy
TOKYO	65	18	Rain

Note: If text is not available in your area, a black rectangle may appear on your screen. If this happens, turn the Closed Caption Mode Off.

- **To turn off the Closed Caption feature:** Highlight Off.

Note: *A closed caption signal may not display in the following situations:*

- *When a videotape has been dubbed*
- *When the signal reception is weak*
- *When the signal reception is non-standard*

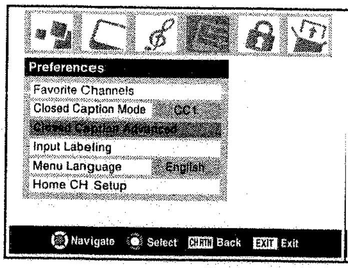
Advanced closed captions

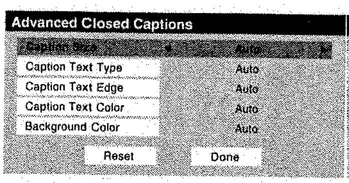
You can customize the closed caption display characteristics by changing the background color and the text size, type, edge, and color.

Note: *This feature is available for digital channels only.*

To customize the closed captions:

1. Press MENU and open the Preferences menu.
2. Highlight Closed Caption Advanced and press ENTER.
3. Press ▲▼ to highlight the characteristic you want to change, and then press ◀ ▶ to select the format for that characteristic.
4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.


Preferences
Favorite Channels
Closed Caption Mode CC1
Closed Caption Advanced
Input Labeling
Menu Language English
Home CH Setup
Navigate
Select
CH RTN Back
EXIT Exit


Advanced Closed Captions
Caption Size Auto
Caption Text Type Auto
Caption Text Edge Auto
Caption Text Color Auto
Background Color Auto
Reset
Done

Caption Size	Auto, Small, Standard, Large
Caption Text Type	Auto, Default, Mono w. Serif, Prof. w. Serif, Mono w/o Serif, Prop w/o Serif, Casual, Cursive, Small Capitals
Caption Text Edge	Auto, None, Raised, Depressed, Uniform, Left Drop Shadow, Right Drop shadow
Caption Text Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan
Background Color	Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan

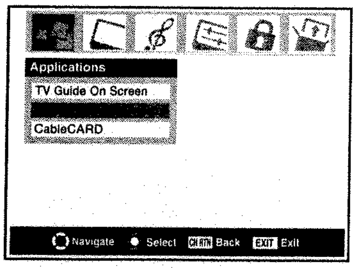
Note: *You cannot set the Caption Text and Background as the same color.*

Using the closed caption mode (continued)

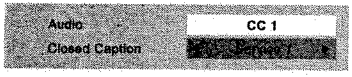
Digital closed captions

You can use the Digital CC/Audio selector to select digital closed caption services (if available), which will temporarily override closed captions for digital channels only. When such services are not available, the Digital CC/Audio selector presents a default list of services. If the selected service is not available, the next best service will be used instead.

1. Press MENU and open the Applications menu.


Applications
TV Guide On Screen
CableCARD
Navigate
Select
CH RTN Back
EXIT Exit

2. Highlight Digital CC/Audio Selector and press ENTER.
3. Press ▲▼ to select Closed Caption.



Audio CC 1
Closed Caption Service 1

4. Press ◀ or ▶ to select the desired service, and then press ENTER.

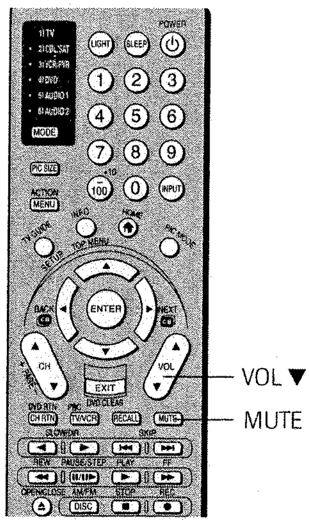
Adjusting the audio

Muting the sound

Press MUTE to partially reduce (1/2 Mute) or turn off (Mute) the sound. Each time you press MUTE, the mute mode will change in the following order.

→ 1/2 Mute → Mute → Volume →

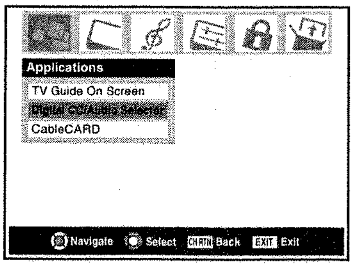
If the closed caption mode is set to Off when you select "Mute" mode, the closed caption feature is automatically activated. To mute the audio without automatically activating the closed caption feature, use VOL ▼ to set the volume to 0. See "Using the closed caption mode" on page 72 for more information on closed caption modes.

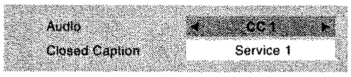


Using the digital audio selector

You can use the Digital CC/Audio selector to conveniently switch between audio tracks on a digital channel (for those channels that have multiple audio tracks). This temporarily overrides the audio track chosen by the language option under Audio Setup.

1. Press MENU and open the Applications menu.
2. Highlight Digital CC/ Audio Selector and press ENTER.
3. Press ▲▼ to select Audio.
4. Press ◀ or ▶ to select the desired service, and then press ENTER.


Applications
TV Guide On Screen
Digital CC/Audio Selector
CableCARD


Audio ◀ CC1 ▶
Closed Caption Service 1

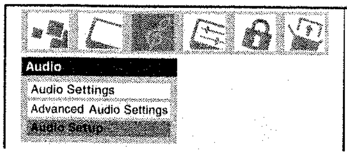
Selecting stereo/SAP broadcasts

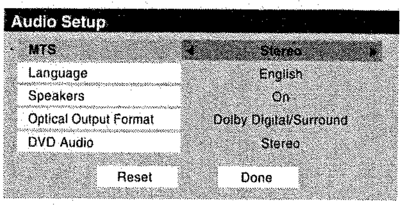
The multi-channel TV sound (MTS) feature allows you to output high-fidelity stereo sound from your TV's speakers. MT also can transmit a second audio program (SAP) containing a second language, music, or other audio information (when provided by individual stations).

The MTS feature is not available when the TV is in VIDEO mode. When the TV receives a stereo or SAP broadcast, the word "STEREO" or "SAP" appears on-screen when RECALL is pressed.

To listen to stereo sound:

1. Press MENU and open the Audio menu.
2. Highlight Audio Setup and press ENTER.
3. Press ▼ to highlight the MTS field, and then press ◀ ▶ to select Stereo.


Audio
Audio Settings
Advanced Audio Settings
Audio Setup


Audio Setup
MTS ◀ Stereo ▶
Language English
Speakers On
Optical Output Format Dolby Digital/Surround
DVD Audio Stereo

4. To save the new settings, highlight Done and press ENTER. To reset the settings to the factory defaults, highlight Reset and press ENTER.

Note:

- *You can leave the TV in Stereo mode because it automatically outputs the type of sound being broadcast (stereo or monaural).*
- *If the stereo sound is noisy, select Mono to reduce the noise.*

To listen to an alternate language on an ATSC digital station (if available):

Highlight the Language field in step 3 above, and then press ◀ ▶ to select the language you prefer.

To listen to a second audio program on an analog station (if available):

Select SAP in step 3 above.

Note:

- *A second audio program (SAP) can be heard only on those TV stations that offer it. For example, a station might broadcast another language as a second audio program. If you have SAP on, you will see the current program on the screen but hear the other language instead of the program's normal audio.*
- *If you have SAP on and the station you are watching is not broadcasting a second audio program, the station's normal audio will be output. However, occasionally there is no sound at all in SAP mode. If this happens, set the MTS feature to Stereo mode.*

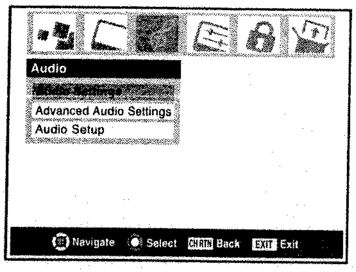
Adjusting the audio (continued)

Adjusting the audio quality

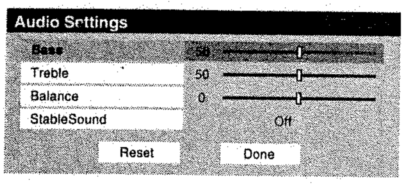
You can adjust the audio quality by adjusting the bass, treble, and balance.

To adjust the audio quality:

1. Press MENU and open the Audio menu.
2. Highlight Audio Settings and press ENTER.


Audio
Audio Settings
Advanced Audio Settings
Audio Setup
Navigate
Select
CH RTN Back
EXIT Exit

3. Press ▼▲ to highlight the item you want to adjust (Bass, Treble, or Balance).


Audio Settings
Bass 50
Treble 50
Balance 0
StableSound Off

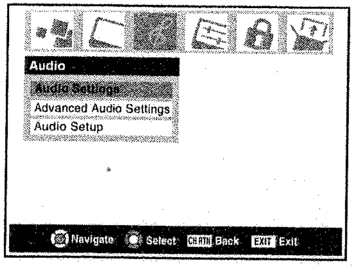
4. Press ◀ ▶ to adjust the level.
   - ◀ makes the bass or treble weaker or increases the balance in the left channel (depending on the item selected).
   - ▶ makes the bass or treble stronger or increases the balance in the right channel (depending on the item selected).
5. To save the new settings, highlight Done and press ENTER. To reset the settings to the factory defaults, highlight Reset and press ENTER.

Using the StableSound® feature

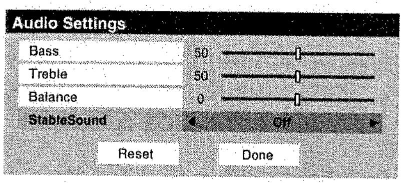
The StableSound® feature limits the highest volume level to prevent extreme changes in volume when the signal source changes (for example, to prevent the sudden increase in volume that often happens when a TV program switches to a commercial).

To turn on the StableSound® feature:

1. Press MENU and open the Audio menu.
2. Highlight Audio Settings and press ENTER.


Audio
Audio Settings
Advanced Audio Settings
Audio Setup
Navigate
Select
CH RTN Back
EXIT Exit

3. Press ▼ to highlight StableSound, and then press ◀ ▶ to select On.


Audio Settings
Bass 50
Treble 50
Balance 0
StableSound ◀ Off ▶

4. To save the new settings, highlight Done and press ENTER. To reset the settings to the factory defaults, highlight Reset and press ENTER.

   Note: *The Reset function returns your audio adjustments to the following factory settings:*

   Bass .... center (50)
   Treble .... center (50)
   Balance .... center (0)
   StableSound... Off

To turn off the StableSound feature:

Select Off in step 3 above.

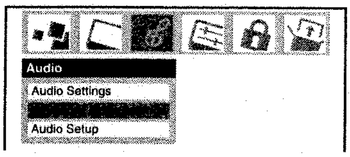
Adjusting the audio (continued)

Using the SRS WOW™ surround sound feature

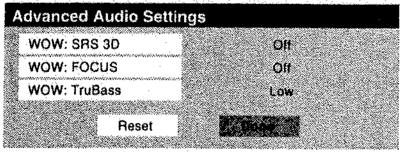
WOW™ is a special combination of SRS Labs audio technologies (SRS 3D, FOCUS, and TruBass) that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your TV's audio will sound fuller, richer, and wider.

To adjust the WOW™ settings:

1. Put the TV in STEREO mode (see "Selecting stereo/SAP broadcasts" on page 74).
2. Press MENU and open the Audio menu.
3. Highlight Advanced Audio Settings and press ENTER.



4. Press ▼▲ to highlight the WOW feature you want to adjust, and then press ◀ ▶ to adjust the item.



WOW: SRS 3D Off
WOW: FOCUS Off
WOW: TruBass Low

- WOW: SRS 3D — To turn the surround sound effect On or Off.

  Note: *If the broadcast is monaural, the 3D effect does not work.*

- WOW: FOCUS — To turn the vocal emphasis effect On or Off.
- WOW: TruBass — To select the desired bass expansion level (High, Low, or Off).

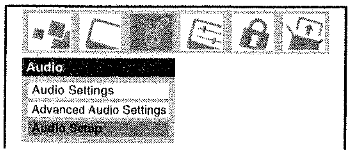
5. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

Turning off the built-in speakers

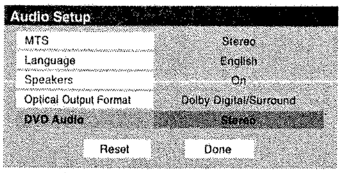
Use this feature to turn off the TV speakers when you connect an audio system to your TV (see "Connecting a digital audio system" on page 22).

To turn off the built-in speakers:

1. Press MENU and open the Audio menu.
2. Highlight Audio Setup and press ENTER.



3. Press ▼ to highlight the Speakers field, and then press ◀ ▶ to select Off.



MTS Stereo
Language English
Speakers On
Optical Output Format Dolby Digital/Surround
DVD Audio Stereo

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

To turn on the built-in speakers:

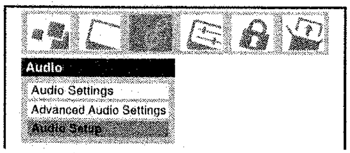
Select On in step 3 above.

Selecting the optical audio output format

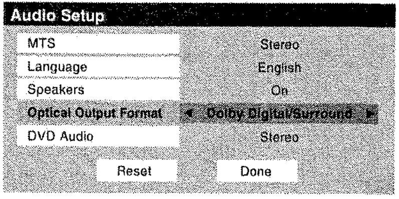
Use this feature to select the optical audio output format when you connect a Dolby Digital decoder or other digital audio system to the Optical Audio Out terminal on the TV (see "Connecting a digital audio system" on page 22).

To select the optical audio output format:

1. Press MENU and open the Audio menu.
2. Highlight Audio Setup and press ENTER.



3. Press ▼ to highlight the Optical Output Format field, and then press ◀ ▶ to select either Dolby Digital/Surround or PCM, depending on your device.



MTS Stereo
Language English
Speakers On
Optical Output Format ◀ Dolby Digital/Surround ▶
DVD Audio Stereo

4. To save the new settings, highlight Done and press ENTER. To revert back to the factory defaults, highlight Reset and press ENTER.

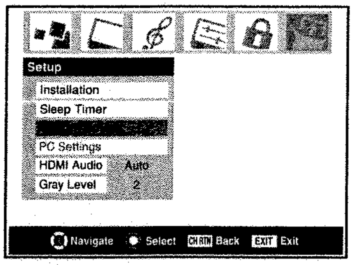
Setting the On/Off timer

You can use the On/Off timer to turn the TV on and off at a preset time on a recurring basis.

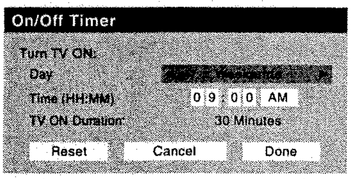
Note: *You must first set the time (see page 43).*

To set the On/Off Timer:

1. Press MENU and open the Setup menu.
2. Highlight On/Off Timer and press ENTER.


Setup
Installation
Sleep Timer
PC Settings
HDMI Audio
Auto
Gray Level
2
Navigate
Select
CH RTN Back
EXIT Exit

3. In the Day field, press ◀▶ to select the recurrence (weekends, weekdays, Every Day, etc).


On/Off Timer
Reset
Cancel
Done

Turn TV ON:
Day
Time (HH:MM) 09:00 AM
TV ON Duration 30 Minutes

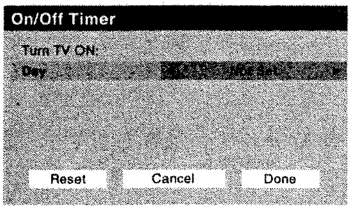
4. Press ▼ to highlight the Time field, and then use the Number buttons to enter the time you want the TV to turn on.
5. When the AM/PM field is highlighted, press ▶ to select AM or PM.
6. Press ▼ to highlight the TV ON Duration field, and then press ◀▶ to select the length of time until the TV turns off.
7. Highlight Done and press ENTER.
8. Turn off the TV. The TV will turn on automatically on the day(s) and at the time you set. The TV will then turn off automatically after the length of time you set in the TV ON Duration field.

Note:

- *When a power failure occurs, the On/Off timer settings may be cleared.*
- *To display the On Timer setting, press RECALL.*

To turn off the On/Off Timer:

Select Not Set in step 3 above.


On/Off Timer
Reset
Cancel
Done

Turn TV ON:
Day Not Set

Setting the sleep timer

You can set the sleep timer to turn off the TV after a set length of time (maximum of 3 hours). The sleep timer turns off the TV one time only, as opposed to the On/Off Timer, which turns off the TV on a recurring basis.

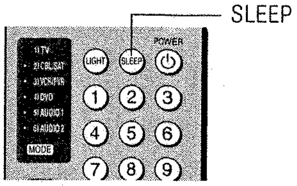
To set the sleep timer:

Press SLEEP on the remote control to set the length of time until the TV turns off. Repeatedly press SLEEP to increase the time in 10-minute increments or press ▲ or ▼ to increase or decrease the time in 10-minute increments, to a maximum of 3 hours and 00 minutes.

0h00m → 0h10m → 0h20m – – – – → 2h50m → 3h00m → 0h00m

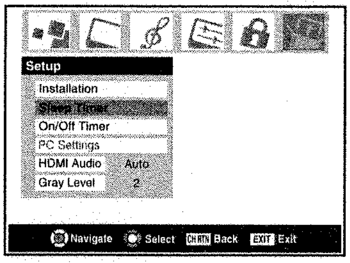
To cancel the sleep timer:

Press SLEEP until it is set to 0.

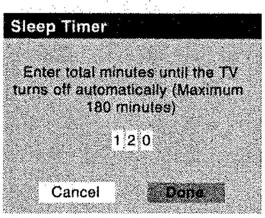

SLEEP
POWER
LIGHT
SLEEP
MODE
1
2
3
4
5
6
7
8
9

To set the sleep timer using the on-screen menus:

1. Press MENU and open the Setup menu.
2. Highlight Sleep Timer and press ENTER.


Setup
Installation
Sleep Timer
On/Off Timer
PC Settings
HDMI Audio
Auto
Gray Level
2
Navigate
Select
CH RTN Back
EXIT Exit

3. Press the Number buttons to enter the length of time in 10 minute intervals.


Sleep Timer
Cancel
Done

Enter total minutes until the TV turns off automatically (Maximum 180 minutes)

120

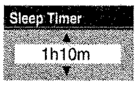
4. Highlight Done and press ENTER.

Note:

- *When a power failure occurs, the sleep timer setting may be cleared.*
- *To display the amount of time left on the sleep timer, press RECALL.*

To display the remaining minutes on the sleep timer:

Press SLEEP.


Sleep Timer

1h10m

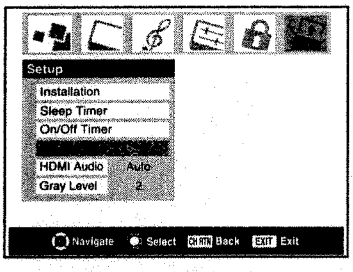
Note: *A message will display on-screen when there is one minute remaining on the sleep timer.*

Using the PC setting feature

You can adjust the horizontal position/size, vertical position/size, clock phase, and sampling clock. This feature will be grayed out on the menu unless there is a PC connected to the TV (See "Connecting a personal computer(PC)" on page 24.)

To set the PC setting:

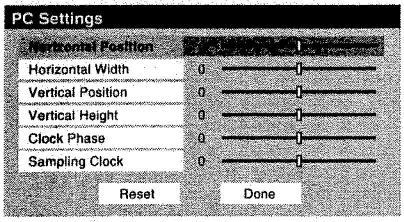
1. Confirm a PC is connected (see "Connecting a personal computer (PC)" on page 24).
2. Repeatedly press INPUT to select PC input mode. (See Selecting the video input source to view " on page 60.)
3. Press MENU and open the Setup menu.
4. Highlight PC Settings and press ENTER.



HDMI Audio Auto

Gray Level 2

5. Press ▲▼ to highlight the item you want to adjust.
6. Press ▲▼ to make the appropriate adjustments.



Horizontal Position

Horizontal Width 0

Vertical Position 0

Vertical Height 0

Clock Phase 0

Sampling Clock 0

- **Horizontal Position/Vertical Position:**

  Adjusts picture left/right and up/down.
  The adjustment range is within ±5 from center.

  (The adjustable range may vary depending on the input mode.)

- **Horizontal Width/Vertical Height:**

  Adjusts picture width of Horizontal and picture height of Vertical.

  The adjustment range is within ±5 from center.

- **Clock Phase:**

  This function is to reduce noise and sharpen the picture.

  The adjustment range is within ±15 from center.

- **Sampling Clock:**

  This function is to minimize periodic vertical stripes on the screen.

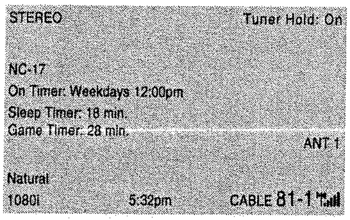
  The adjustment range is within ±15 from center.

Displaying the Channel Banner

Press RECALL to display the channel banner:

The below information will display in the channel banner if the information is applicable.

- Current input (ANT 1, ANT 2, VIDEO 1, etc.)
- If ANT 1 or ANT 2 is the current input, whether it is Cable TV ("CABLE") or off-air ("TV")
- Channel number (if in ANT 1 or ANT 2 mode)
- Signal strength indicator (bar graph in lower right corner of banner; for ATSC signal only)


STEREO
Tuner Hold: On
NC-17
On Timer: Weekdays 12:00pm
Sleep Timer: 18 min.
Game Timer: 28 min.
ANT 1
Natural
1080i
5:32pm
CABLE 81-1

Sample RECALL screen

Note: *The signal strength indicator will react to fading/growing signal strength and could display longer than the normal channel browser window.*

- Time (if set)
- On/Off timer settings (if set)
- Remaining time on sleep timer (if set)
- Remaining time on game timer (if set)
- Stereo or SAP audio status
- V-Chip rating status
- Picture size
- Tuner hold (if applicable)
- Aspect ratio

To stop displaying the channel banner:

Any time the TV is displaying the RECALL screen, press RECALL again to erase it immediately before the screen times out.

Understanding the auto power off feature

The TV will automatically turn itself off after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This feature functions in ANT 1 and ANT 2 modes only.

Understanding the last mode memory feature

If the power is cut off while you are viewing the TV, the Last Mode Memory feature automatically turns on the TV when the power is resupplied.

Note: *You should unplug the TV's power cord if it is possible that you will be away from the TV for an extended period of time after the power is restored.*

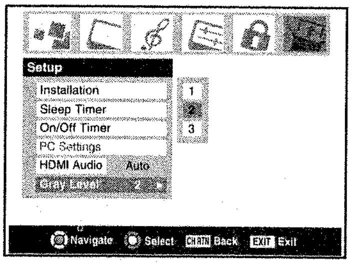
Using the Gray Level feature

The gray level feature will set the sidebars to three different levels of darkness. Sidebars are the blanks spaces on either side of a 4:3 viewing area.

This will not affect video being viewed in 16:9.

To set the gray level of the sidebars:

1. Press MENU and open the Setup menu.
2. Highlight Gray Level and press ▶.
3. Press ▲▼ to select your desired level of darkness (1 – Black, 2 – Dark Gray or 3 – Gray).


Setup
HDMI Audio Auto
Gray Level 2

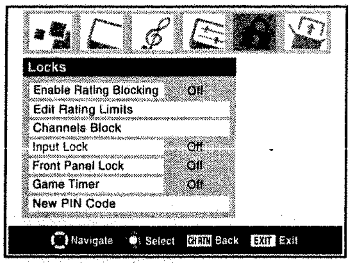
Note: *The gray level feature does not affect video being viewed in 16:9 aspect ratio. When receiving a signal that has sidebars (e.g., 4:3 aspect ratio video over a 1080i or 720p signal), the gray level feature will not be applied to the sidebars.*

9 Using the Locks menu

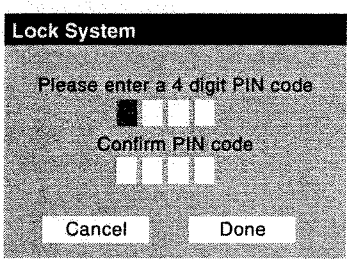
The Locks menu includes the Enable Rating Blocking, Edit Rating Limits, Channels Block, Input Lock, Front Panel Lock, Game Timer, and New PIN Code features. You can use these features after entering the correct PIN code.

Entering the PIN code

1. Press MENU and highlight the Locks menu icon.


Locks
Enable Rating Blocking Off
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off
Game Timer Off
New PIN Code
Navigate Select CH RTN Back EXIT Exit

2. Press ▼, which displays the PIN code entry screen.
   - The Lock System screen (below) appears if a PIN code has not been stored. Press the Channel Number buttons to enter a new four-digit code, enter the code a second time to confirm, and press ENTER.

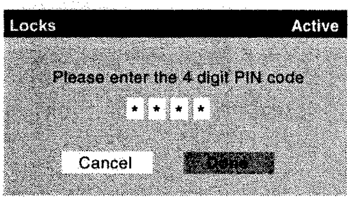

Lock System

Please enter a 4 digit PIN code

Confirm PIN code

Cancel
Done

   - The Locks/Active screen (below) appears if the PIN code is already stored. Press the Channel Number buttons to enter your four-digit code and press ENTER.

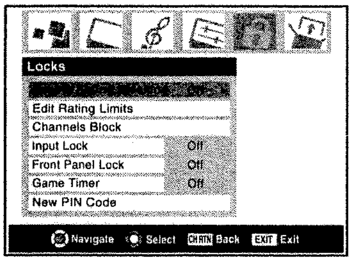

Locks
Active

Please enter the 4 digit PIN code

* * * *
Cancel
Done

If the wrong PIN code is entered, the message "Incorrect PIN Code, please try again!" appears. Highlight Retry and press ENTER. Enter the code again and press ENTER.

When the correct PIN code is entered, the Locks menu opens.

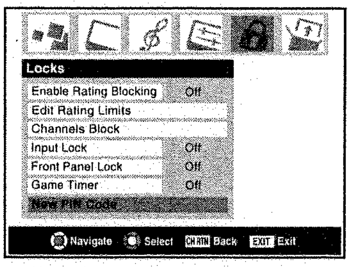

Locks
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off
Game Timer Off
New PIN Code
Navigate Select CH RTN Back EXIT Exit

If you cannot remember your PIN code

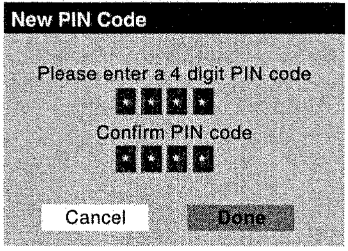
While the PIN code entering screen is displayed, press RECAL four times within 5 seconds. The PIN code will be cleared and you can enter a new PIN code.

Changing your PIN code

1. Press MENU and highlight the Locks menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight New PIN Code and press ENTER.


Locks
Enable Rating Blocking Off
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off
Game Timer Off
New PIN Code
Navigate Select CH RTN Back EXIT Exit

5. Press the Number buttons to enter a new four-digit code. Retype the numbers to confirm the PIN code you entered
6. Press ENTER. The new PIN code is now active.


New PIN Code

Please enter a 4 digit PIN code

Confirm PIN code

Cancel
Done

Blocking TV programs and movies by rating (V-Chip)

Some TV programs and movies include signals that classify the content of the program (violence, sex, dialog, language).

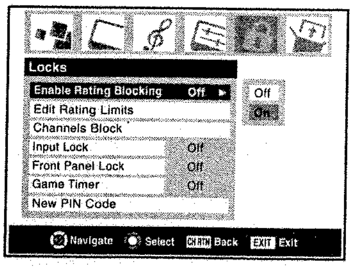
The V-Chip feature in this TV detects the signals and blocks the programs according to the ratings you select. (See the tables at right for rating descriptions.)

> ***Note:*** *Rating blocking is a function of the V-Chip feature in this TV, which supports the U.S. V-Chip system only.*

To block and unblock TV programs and movies:

1. Press MENU and highlight the Locks menu icon.

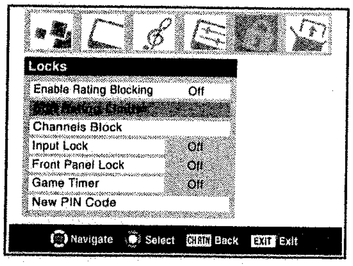
   Note: *To exit the Locks menu, press MENU.*
2. Press ▼ to displays the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight Enable Rating Blocking.
5. Press ▶ and then ▼ to select On, and then press ENTER.



Locks
Enable Rating Blocking Off ▶
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off
Game Timer Off
New PIN Code

Off
On

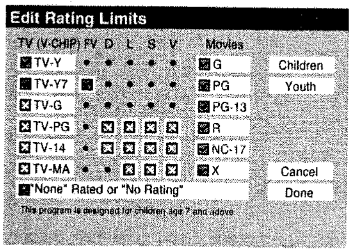
6. Press ▼ to highlight Edit Rating Limits and press ENTER.



Locks
Enable Rating Blocking Off
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off
Game Timer Off
New PIN Code

The Edit Rating Limits screen (below) appears.

7. Press ▲▼◀▶ and then press ENTER to select the level of blocking you prefer. A box with an "**X**" is a rating that will be blocked. As you highlight a rating, a definition for the rating appears at the bottom of the screen. See notes at right.
8. When done selecting the ratings you want to block, highlight Done and press ENTER.



Edit Rating Limits

TV (V-CHIP)	FV	D	L	S	V	Movies	
■ TV-Y	●	●	●	●	●	■ G	Children
■ TV-Y7	■	●	●	●	●	■ PG	Youth
☒ TV-G	●	●	●	●	●	■ PG-13	
☒ TV-PG	●	☒	☒	☒	☒	■ R	
☒ TV-14	●	☒	☒	☒	☒	■ NC-17	
☒ TV-MA	●	●	☒	☒	☒	■ X	Cancel
■ "None" Rated or "No Rating"							Done

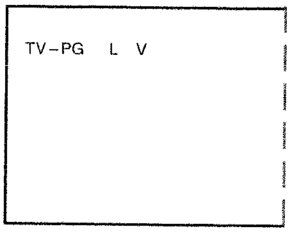
This program is designed for children age 7 and above.

Independent rating system for broadcasters	
Ratings	**Description and content themes**
TV-MA	Mature Audience Only (This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.) **L)** Crude or indecent language **S)** Explicit sexual activity **V)** Graphic violence
TV-14	Parents Strongly Cautioned (This program contains some material that many parents would find unsuitable for children under 14 years of age.) **D)** Intensely suggestive dialog **L)** Strong, coarse language **S)** Intense sexual situations **V)** Intense violence
TV-PG	Parental Guidance Suggested (This program contains material parents may find unsuitable for younger children.) **D)** Some suggestive dialog **L)** Infrequent coarse language **S)** Some sexual situations **V)** Moderate violence
TV-G	General Audience (Most parents would find this program suitable for all ages.)
TV-Y7, TV-Y7FV	Directed to Older Children (This program is designed for children age 7 and above. Note: Programs in which fantasy violence may be more intense or more combative than other programs in this category are designated Y7FV.)
TV-Y	All Children (This program is designed to be appropriate for all children.)

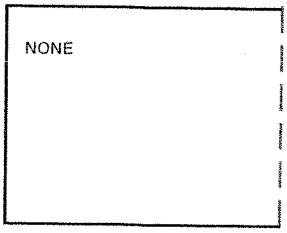
Independent rating system for movies	
Rating	**Description and content themes**
X	X-rated (For adults only)
NC-17	Not intended for anyone 17 and under
R	Restricted (Under 17 requires accompanying parent or adult)
PG-13	Parents Strongly Cautioned (Some material may be inappropriate for children under 13.)
PG	Parental Guidance Suggested (Some material may not be suitable for children.)
G	General Audience (Appropriate for all ages)

Note:

- *If you place an "**X**" in the box next to "None" Rated or "No Rating," programs rated "None" or "No Rating" will be blocked. However, if the program does not provide any rating information, nothing will be displayed in the banner and ratings blocking will not take effect.*
- *To display the rating of the program you are watching, press RECALL on the remote control. If it is not rated, the word "NONE" appears.*



TV-PG L V



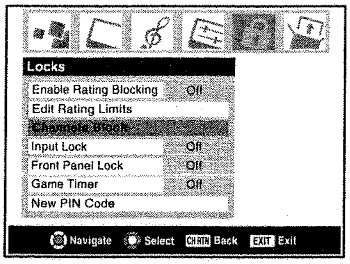
NONE

Blocking channels

With the Channels Block feature, you can block specific channels. You will not be able to tune blocked channels unless you clear the setting first.

To block channels:

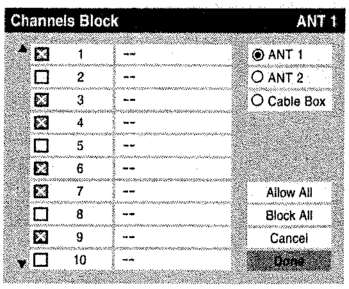
1. Press MENU and highlight the Locks menu icon. To exit the Locks menu, press MENU.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER (see page 80 for details).



Locks

Enable Rating Blocking	Off
Edit Rating Limits	
Channels Block	
Input Lock	Off
Front Panel Lock	Off
Game Timer	Off
New PIN Code	

4. Press ▼ to highlight Channels Block and then press ENTER.
5. Using the ▲▼◀▶ buttons, select the input for which you want to change the rating limits (ANT1, ANT2, or Cable Box, if connected) and press ENTER.
   A list of the channels available for that input will be displayed along with the call letters for each channel, if available.
6. Press ◀ to highlight the channel you want to block, then press ENTER, which puts an "**X**" in the box next to that channel.
7. Repeat step 6 for other channels you want to block.
8. Highlight Done and press ENTER.



Channels Block — ANT 1

☒	1	--	● ANT 1
☐	2	--	○ ANT 2
☒	3	--	○ Cable Box
☒	4	--	
☐	5	--	
☒	6	--	
☒	7	--	Allow All
☐	8	--	Block All
☒	9	--	Cancel
☐	10	--	Done

To unblock individual channels:

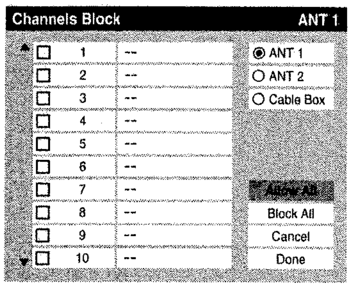
In step 6 above, press ▲▼ to highlight the channel you want to unblock, and then press ENTER to remove the "**X**" from the box, and highlight Done, and then press ENTER.

To block all channels at once:

Highlight Block All in step 6 above, and then highlight Done, and press ENTER.

To unblock all locked channels at once:

Highlight Allow All in step 6 above, and then highlight Done, and press ENTER.



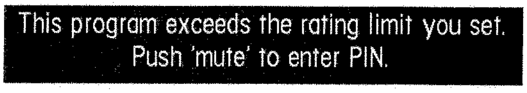
Channels Block — ANT 1

☐	1	--	● ANT 1
☐	2	--	○ ANT 2
☐	3	--	○ Cable Box
☐	4	--	
☐	5	--	
☐	6	--	
☐	7	--	Allow All
☐	8	--	Block All
☐	9	--	Cancel
☐	10	--	Done

***Note:** Channel blocking may not take effect if you have a cable box connected and use the cable box controls to change channels.*

Unlocking programs temporarily

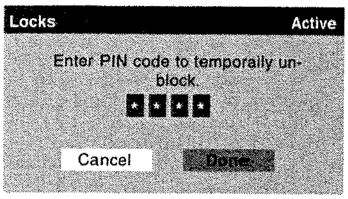
If you try to watch a TV program that exceeds the rating limits you set, the TV enters program lock mode. You can either unlock the program temporarily or select a non-locked program to watch.



This program exceeds the rating limit you set.
Push 'mute' to enter PIN.

To temporarily unlock the program:

1. Press MUTE.
2. Enter your four-digit PIN code and press ENTER. If the correct code is entered, the program lock mode is released and the normal picture appears. All locking is disabled until the TV is turned off, and will be enabled when the TV is turned on again.



Locks — Active

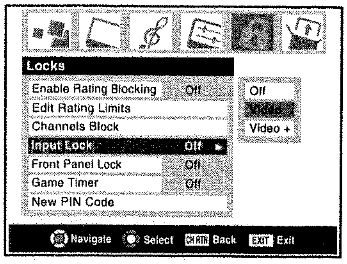
Enter PIN code to temporarily unblock.

Locking video inputs

You can use the Input Lock feature to lock the video input sources (VIDEO 1, VIDEO 2, ColorStream HD 1, ColorStream HD 2, HDMI, PC) and channels 3 and 4. You will not be able to view the input sources or channels until you turn off the input lock.

To lock the video inputs:

1. Press MENU and highlight the Locks menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight Input Lock and press ENTER.
5. Press ▲▼ to select the level of video input locking you prefer, as described below:
   Video: Locks, Built-in DVD, VIDEO 1, VIDEO 2, ColorStream HD 1, ColorStream HD 2, HDMI, and PC.
   Video +: Locks, Built-in DVD, VIDEO 1, VIDEO 2, ColorStream HD 1, ColorStream HD 2, HDMI, PC and channels 3 and 4. Select Video + if you use the antenna terminal to play a video tape.
   Off: Unlocks all video input sources.
6. Press ENTER.
   Note: When the CableCARD™ is inserted, the Video + will behave the same as the Video lock.



Locks

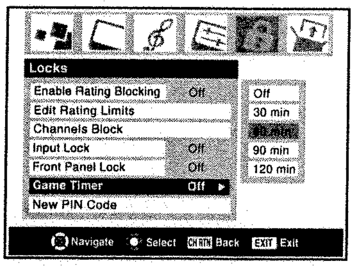
Enable Rating Blocking	Off
Edit Rating Limits	
Channels Block	
Input Lock	Off
Front Panel Lock	Off
Game Timer	Off
New PIN Code	

Using the GameTimer™

You can use the GameTimer to set a time limit for playing a video game (30–120 minutes). When the GameTimer is activated, the TV enters Video Lock mode and locks out the input source for the video game device.

To set the GameTimer™:

1. Press MENU and highlight the Locks menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight Game Timer and press ENTER.
5. Press ▲▼ to select the length of time until the Video Lock is activated (30, 60, 90, or 120 minutes) and press ENTER.



Locks
Enable Rating Blocking Off
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off
Game Timer Off ▶
New PIN Code

Off
30 min
[illegible]
90 min
120 min

To cancel the GameTimer™:

Select Off in step 5 above.

To deactivate the video lock once the GameTimer has activated it:

Set the Video Lock to Off (see "Locking video inputs" on page 82).

Note:

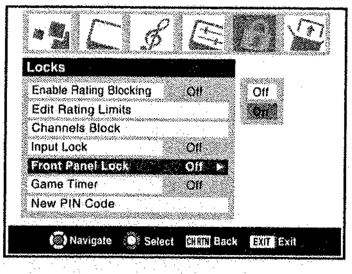
- *A message will appear on-screen when 10 minutes, 3 minutes, and 1 minute remain on the GameTimer.*
- *If the TV loses power with time remaining on the GameTimer, when power is restored the TV will enter VIDEO LOCK mode, as if the GameTimer has expired, and you will have to deactivate the video lock (as described above).*

Using the panel lock feature

You can lock the top panel buttons to prevent your settings from being changed accidentally (by children, for example). When the top panel lock is On, none of the controls on the TV top panel will operate except POWER.

To lock the top panel:

1. Press MENU and highlight the Locks menu icon.
2. Press ▼ to display the PIN code entering screen.
3. Enter your four-digit PIN code and press ENTER.
4. Press ▼ to highlight Front Panel Lock.
5. Press ▶ to highlight On and press ENTER. When the top panel is locked and a button on the top panel is pressed, the message "Not Available" appears.



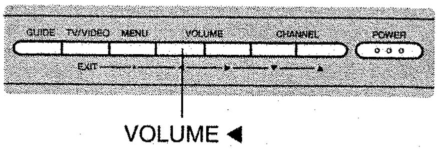
Locks
Enable Rating Blocking Off
Edit Rating Limits
Channels Block
Input Lock Off
Front Panel Lock Off ▶
Game Timer Off
New PIN Code

Off
[illegible]

To unlock the top panel:

Highlight Off in step 5 above, or press and hold the VOLUME ◀ on the TV top panel for about 10 seconds until the volume icon appears on-screen.

TV top panel



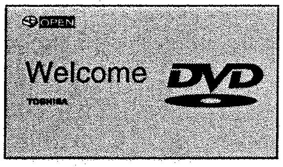
10 DVD Playback

Playing a disc

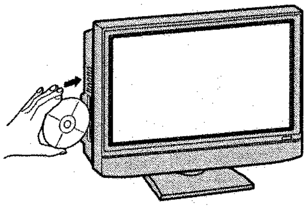
Be sure to set the MODE button on the remote control to TV mode when using the built-in DVD.

Basic playback DVD VCD CD

1. Press POWER on the TV or on the remote control to turn on the TV.
   Press INPUT on the remote control or TV/VIDEO on the TV to select the Built-in DVD mode.
2. The DVD startup screen will appear on the screen.

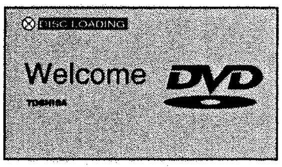


3. Load the disc in the disc slot with the label side facing forward. (If the disc has a label.) Hold the disc without touching either of its surfaces, align it with the guides, and place it in position.

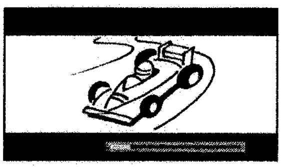


Note:
When inserting a disc into the DVD disc slot, do not jam or force it strongly, otherwise the TV may malfunction or the disc might be damaged.

4. "DISC LOADING" appears on the screen, then playback starts.



   - A menu screen will appear on the TV screen, if the disc has a title menu.
     Press ▲▼◀ ▶ to select title, then press ENTER. Title is selected and play commences.
5. Press VOL ▲▼ to adjust the volume.



When using an amplifier, adjust the volume with the amplifier.

6. Press STOP ■ to end playback.

Resume feature

- Depending on the disc you are playing, when you press STOP ■ one time, the TV memorizes the location where playback is stopped. Press PLAY ▶ to resume the playback from the stopped location.
- If you press STOP ■ again or eject the disc, the TV will clear the stopped location.

Auto Play feature

If you load the disc in the TV off status, the TV is turned on and playback commences automatically. However, loading the disc may take 1-2 seconds.

About the Parental Lock screen

If the Parental Lock screen appears after loading a disc and you try to unblock the blocking status following the screen menu, the DVD player will stop and the DVD startup screen will appear. (Although the disc will be ejected, leave as it is.) If so, set the Enable Rating Blocking in the Locks menu (page 81) to "Off." Press PLAY to load the disc. After enjoying the DVD movie, reset the Enable Rating Blocking to "On" if necessary.

CAUTION

Never insert your finger into the disc slot when loading the disc. Keep your fingers well clear of the disc slot when the disc is loading or unloading. Neglecting to do so may cause personal injury.

Note:

While a DVD is playing back, you cannot adjust the following:

- *Optical Output Format selection (page 76)*
- *Closed Caption selection (page 72)*
- *Audio Language selection (page 74)*
- *DVD Audio selection (page 87)*
- *Menu Language selection (page 39)*
- *V-Chip (parental control) setting (page 81)*

If you want to set up any of the above, stop the DVD by pressing STOP ■ twice, and then set up (see "Resume feature").

Note:

The strong static electricity may affect the DVD player's operation and cause it not to work properly. If this happens, turn OFF the POWER, disconnect and then reconnect the AC power cord, and turn ON the TV again.

About DVD VCD CD

The DVD VCD CD icons on the heading bar show the playable discs for the function described under that heading.

DVD : You can use this function with DVD video discs.

VCD : You can use this function with Video CDs.

CD : You can use this function with Audio CDs and CD-R/RW discs.

To start playback in the stop mode:

1. Press PLAY ▶.

To pause playback (still mode):

Press PAUSE ❚❚ during playback.

To resume normal playback, press PLAY ▶.

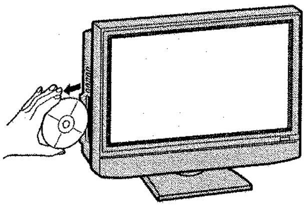
- The sound is muted during still mode.

To stop playback:

1. Press STOP ■.

To remove the disc:

1. Press OPEN/CLOSE ⏏.
2. Remove the disc after the disc comes out.



Note:

- *If a non-compatible disc is loaded, "WRONG REGION" will appear on the TV screen. In this case, check your disc again (see page 7).*
- *Some discs may take a minute or so to start playback.*
- *If you insert a single-sided disc the wrong way, "DISC LOADING" will appear on the display for about 30-60 seconds and then "DISC NOT AVAILABLE" will display until you remove the disc.*
- *Some discs may not resume playing the same scene after stopping.*
- *Resuming cannot function when you play a PBC-featured Video CD while the PBC is on. To turn off the PBC, see page 88.*
- *Some playback operations of DVDs may be intentionally fixed by software producers. Since this TV plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.*
- *Do not move the TV during playback. Doing so may damage the disc. If you want to move the TV to another room, be sure to eject the disc and turn off the power beforehand.*
- *If the disc does not load after the disc is inserted into the DVD disc slot, remove the disc once and try to load the disc again.*
- *Do not put any objects other than discs in the disc slot. Doing so may cause the TV to malfunction.*
- *When you press a button, there may be a slight delay before the function activates.*

Playing in fast reverse or fast forward

DVD VCD CD

1. Press REW ◀◀ or FF ▶▶ during playback.

   REW ◀◀: Fast reverse playback (DVD: 2X-64X, VCD/CD: 2X-16X)

   FF ▶▶: Fast forward playback (DVD: 2X-64X, VCD/CD: 2X-16X)

   Each time you press REW ◀◀ or FF ▶▶, the playback speed changes.

To resume normal playback: DVD VCD CD

1. Press PLAY ▶.

Note:

- *The TV mutes sound and subtitles during reverse and forward scan of DVD video discs. However, the TV plays sound during fast forward or fast reverse play of audio CDs.*
- *The playback speed may differ depending on the disc.*

To pause playback (still playback)

DVD VCD CD

1. Press PAUSE ❚❚ during playback.

To resume normal playback:

Press PLAY ▶.

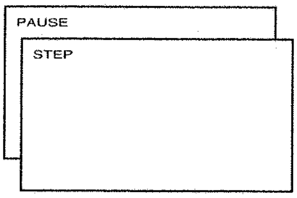
Note:

The sound is muted during still playback.

Playing frame by frame DVD VCD

1. Press PAUSE ❚❚ during still playback.

   Each time you press PAUSE ❚❚, the picture advances one frame.



To resume normal playback:

1. Press PLAY ▶.

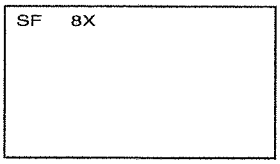
Note:

The sound is muted during frame by frame playback.

Playing in slow motion DVD VCD

1. Press SLOW ❚▶ (FORWARD) during playback.

   Each time you press the button, the slow-motion speed changes (2X-8X).



To resume normal playback:

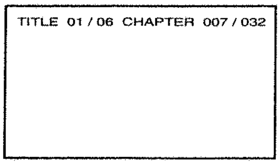
1. Press PLAY ▶.

Note:

The sound is muted during slow-motion playback.

Locating a chapter or track DVD VCD CD

1. Press SKIP ⏮ or ⏭ repeatedly to select the chapter or track you want.
   Playback starts from beginning of the selected chapter or track.

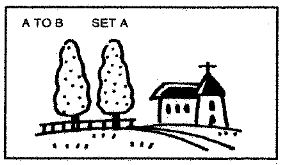

TITLE 01 / 06 CHAPTER 007 / 032

Note:
A "Prohibition" symbol ✋ may appear at the upper left of the screen. This symbol means either the feature you tried is not available on the disc, or the TV cannot access the feature at this time. This does not indicate a problem with the TV.

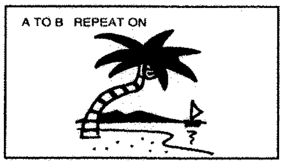
A-B Repeat playback DVD VCD CD

A-B repeat playback allows you to repeat material between two selected points.

1. Press A-B REPEAT at the beginning of the segment (point A) you want to play repeatedly during playback.
   The start point is selected.


A TO B SET A

2. Press A-B REPEAT again at the end of the segment (point B). The TV automatically returns to the point A and starts the repeat playback of the selected segment (A-B).


A TO B REPEAT ON

To resume normal playback:

1. Press A-B REPEAT again.
   "A TO B CANCELLED" appears on the screen.

Note:
- *If you press STOP■, the A-B Repeat function ends and playback stops.*
- *Some discs may not permit the A-B repeat operation.*
- *There may be a slight difference between point A and the location where playback actually resumes depending on the disc.*
- *You can specify a segment only within the current title or track.*
- *In A-B Repeat mode, subtitles near the A or B locations may not be displayed.*
- *You cannot set the A-B Repeat for the scenes that include multiple angles.*
- *A-B Repeat playback does not work when Repeat playback is activated.*
- *You may not be able to set A-B Repeat, during certain scenes of the DVD.*
- *A-B Repeat does not work with an interactive DVD, MP3/JPEG CD.*
- *A-B Repeat is prohibited when PBC is on.*
- *Various functions (such as FF, REW, slow motion, etc.) may not be available during the A-B Repeat playback.*

Changing angles DVD

When playing back a disc recorded with multi-angle facility, you can change the angle that you are viewing the scene from.

1. Press ANGLE 🎥 during playback.
   The current angle will appear.
2. Press ANGLE 🎥 repeatedly until the desired angle is selected.

   Note:
   Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.

Title selection DVD

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

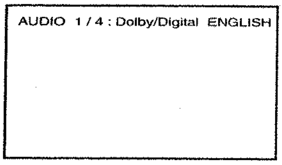
1. Press TOP MENU during playback.
   The Title menu appears on the screen.
2. Press ▲▼◀▶ to select the desired title.
3. Press ENTER or PLAY ▶.
   The playback of the selected title will start.

   Note:
   - *Depending on the DVD, you may not be able to select the title.*
   - *Depending on the DVD, a "title menu" may simply be called a "menu" or "title" in the instructions supplied with the disc.*
   - *Depending on the DVD, the title menu may be displayed automatically when the disc is loaded.*
   - *Depending on the DVD, a chapter menu may be displayed after you select a title.*

Changing soundtrack language DVD VCD

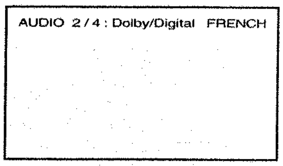
You can select the language when you play a multilingual disc.

1. Press AUDIO during playback.
   The current soundtrack language will appear.



AUDIO 1 / 4 : Dolby/Digital ENGLISH

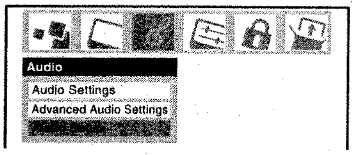
2. Press AUDIO repeatedly until the desired language is selected.
   - The on screen display will disappear after a few seconds.



AUDIO 2 / 4 : Dolby/Digital FRENCH

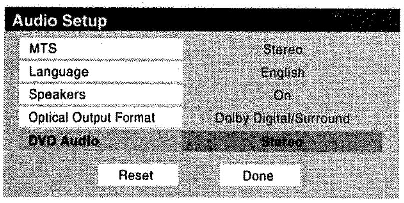
In case of Video CD playback

1. Stop the disc playback.
2. Press MENU and open the Audio menu.
3. Highlight Audio Setup and press ENTER.



4. Press ▲ or ▼ to highlight DVD Audio, and then press L or R to select the desired audio mode (Stereo, Mix_Mono, R_Mono, or L_Mono)

   Note:
   Some discs may not be able to select the audio mode depending on the disc.



Audio Setup
MTS Stereo
Language English
Speakers On
Optical Output Format Dolby Digital/Surround
DVD Audio Stereo

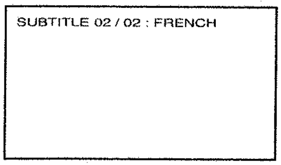
Note:

- *If the desired language is not heard after pressing the button several times, the language is not recorded on the disc.*
- *Changing soundtrack language is cancelled when you eject the disc. The initial default language or available language will be heard if the disc is played back again.*
- *If you select DTS in playing DTS-encoded disc, no sound will be heard from the TV's speakers.*

Subtitles DVD

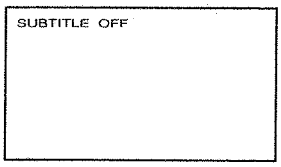
When playing back a disc recorded with subtitles, you can select the subtitle language or turn the subtitle off.

1. Press SUBTITLE repeatedly during playback until you desired language appears.



SUBTITLE 02 / 02 : FRENCH

2. To turn off the subtitle, press SUBTITLE until "SUB TITLE OFF" appears.
   - The "SUBTITLE OFF" on screen display will disappear after a few seconds.



SUBTITLE OFF

Note:

- *Depending on the DVD, you may not be able to change subtitles, or to turn subtitles on or off.*
- *While playing a DVD, the subtitle may change when you loaded or eject the disc.*
- *In some cases, a selected subtitle language may not be changed immediately.*

Disc status DVD VCD CD

With each press of RECALL, the status of the disc will appear on the screen and change as follows:

Display example

DVD

TITLE / CHAPTER
(time display)
↓
TITLE REMAIN
↓
CHAPTER ELAPSED
↓
CHAPTER REMAIN
↓
OFF

MP3/JPEG Files

CHAPTER ELAPSED
(time display)
↓
CHAPTER REMAIN
↓
OFF

VCD CD

SINGLE ERAPSED
TRACK 01/18 (time display)
↓
SINGLE REMAIN
↓
TOTAL ELAPSED
↓
TOTAL REMAIN
↓
OFF

To turn off the PBC VCD

1. Press number button 1 in the stop mode, then press ENTER.

MP3/JPEG CD operation

This TV can play MP3/JPEG-data which has been recorded on CD-R or CD-RW.

To produce MP3/JPEG-data, you need a Windows-PC with CD-R/RW drive and MP3/JPEG-encoding Software (not supplied).

Files recorded on an Apple® HFS (hierarchical file system) volume cannot be played.

Apple is a registered trademark of Apple Computer, Inc.

MP3/JPEG CD information CD

Limitations on MP3/JPEG CD playback

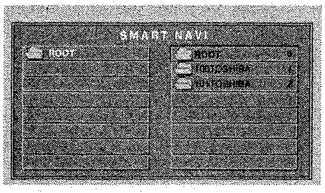
- MP3/JPEG CDs must meet ISO9660 standards. Files must have one of the following extensions: .mp3, or .jpg.
- MP3/JPEG CDs cannot be used for the purpose of recording.
- If the CD has both audio tracks and MP3/JPEG files, only audio tracks are played.
- It may take more than 1 minute for this TV to read MP3/JPEG files depending on its structure.

Note:

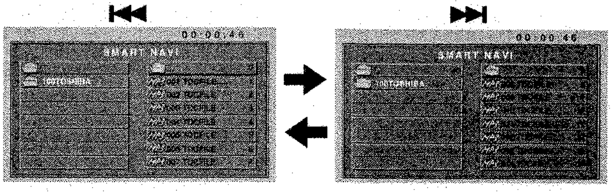
- Some MP3/JPEG CDs cannot be played back depending on the recording conditions.
- The CD-R/RW that has no music data or non MP3/JPEG files cannot be played back.

MP3 CD playback CD

1. Load a disc on which MP3 files have been recorded in the disc slot.
2. A file menu screen will appear on the screen.
   Press ▲▼◀ ▶ and then press PLAY to select a folder.



3. Press ▲▼ or Number buttons (0-9) to select the desired file.
   - In case the folder includes more than 8 files, press SKIP ⏮/⏭ to display the previous or next list.



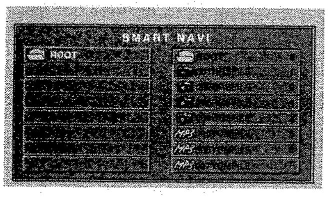
4. Press PLAY.
   The selected file starts playing back.
   To display the previous list, press ⏮.
   To Fast reverse playback, press ◀◀.
   To fast forward playback, press ▶▶.
5. Press STOP ■ to end playback.
   - The TV records the stopped point.
     Press PLAY ▶ to resume playback (from the scene point).
   - If you press STOP ■ again or unload the disc, the TV will clear the stopped point.

MP3/JPEG CD operation (continued)

Note:

- *During MP3/JPEG playback, you cannot use A-B Repeat function.*
- *The DIGITAL AUDIO OUT terminal on the TV outputs MP3 sounds in the linear PCM format regardless of the current "Optical Output Format" selection.*
- *The DVD player contained in this TV requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3/WMA files). Because this area of technology is still evolving, Toshiba cannot guarantee that all recordable discs will produce optimal playback quality. The technical criteria set forth in this owner's manual are meant only as a guide.*
- *Please be advised that you must obtain permission from the applicable copyright owners to download copyrighted content, including music files, in any format, including the MP3 and WMA formats, prior to the downloading thereof. Toshiba has no right to grant and does not grant permission top download any copyrighted content.*

About file menu



MP3 : Indicates MP3 file

📷 : Indicates JPEG file

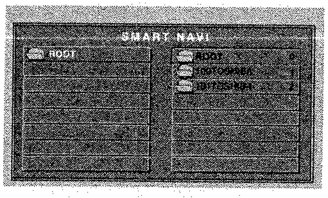
Note:

- *The picture menu is displayed when the FUJICOLOR CD or the Kodak Picture CD are played. To display the file menu, press TOP MENU.*
- *MP3 file on the Kodak Picture CD is not recognized on this TV.*
- *When displaying the SMART NAVI, use the Natural or Full picture size (see page 65).*

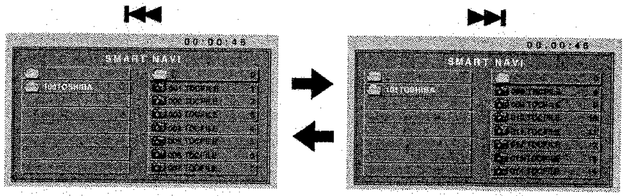
JPEG CD playback CD

You can select your desired JPEG file on the file menu. The slide show enables you to view pictures (files) one after another automatically.

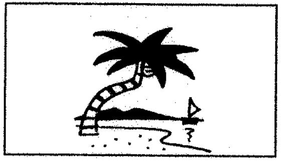
1. Load a disc on which JPEG files have been recorded in the slot.
2. A file menu screen will appear on the screen. Press ▲▼◀ ▶ and then press PLAY to select folder.



3. Press ▲▼or Number buttons (0-9) to select the desired file.
   - To display previous or next list, press SKIP ⏮/⏭.



4. Press PLAY to start the slide show from the selected file.



5. Press STOP ■ to end playback.
   The file menu appears on the screen.
   If you want to watch the other file, repeat steps 3~4.
   - If you press PAUSE ❚❚ during the slide show, the slide show stops temporarily. "❚❚" appears briefly on the picture.
     Press PLAY ▶ or SKIP ⏭ again to resume the slide show.
   - When slide show playback is finished, the file list appears.
   - To stop the slide show, press STOP ■. The file list appears.

11 Troubleshooting

General Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptom and some solutions.

Symptom	**Solution**
TV will not turn on	• Make sure the power cord is plugged in, and then press POWER. • The remote control batteries may be dead. Replace the batteries or try the top panel buttons.
Picture problems	• Check the antenna/cable connections (Chapter 2). • Press INPUT on the remote control or TV/VIDEO on the TV top panel and select a valid video input source (page 60). If no device is connected to any of the inputs on the TV, no picture will display when you select that particular input source. For device connection details, see Chapter 2. • Antenna reception may be poor. Use a highly directional outdoor antenna (if applicable). • The station may have broadcast difficulties. Try another channel. • Adjust the picture qualities (page 69). • If you have a VCR connected to your TV, do not connect the same VCR to the TV's output and input connections at the same time (page 20). • Do not connect a standard video cable and an S-video cable to VIDEO-1 on the TV back at the same time (Chapter 2).
Noisy picture	• If you are watching a tuned analog channel (off-air broadcast or Cable TV), set the CableClear DNR feature to Auto to reduce visible interference in the TV picture (page 70).
Video Input Selection problems	• If the Input Selection window does not appear when you press INPUT on the remote control or TV/VIDEO on the TV top panel, press INPUT or TV/VIDEO a second time, which will change to the next video input source and display the Input Selection window.
Cannot view external signals or channel 3 or 4	• If you cannot view signals from external devices connected to VIDEO 1, VIDEO 2, or ColorStream, or from channels 3 or 4, make sure the Input Lock is set to Off (page 82).
Black box on screen	• Set the Closed Caption feature to Off (page 72).
Poor color or no color	• The station may have broadcast difficulties. Try another channel. • Adjust the Tint and/or Color (page 69). • When the ColorStream signal source is active, the VIDEO OUT terminal outputs blank video. To receive video from the VIDEO OUT signal, a standard video or S-video IN terminal must be used instead of the ColorStream connections.

Picture and sound are out of sync	• As with all products that contain a digital display, in rare instances, when viewing certain content (e.g., television broadcasts, video games, DVD), you may notice that the sound and picture are slightly out of sync. This phenomenon can be caused by various factors including, without limitation, video processing within the TV, video processing in an attached gaming system, and video processing/different compression rates used by broadcasters in their programming. You may want to try one or more of the following suggestions, which may help to reduce the effect of this phenomenon:
	  • If the TV is connected to an A/V receiver that has a programmable audio delay feature, use this feature to help synchronize the sound to the picture.
	  • If you notice this phenomenon only on certain TV channels, please contact your local broadcast, cable, or satellite provider to inform them of this issue.

Symptom	**Solution**
Sound problems	• Check the antenna/cable connections (see Chapter 2). • The station may have broadcast difficulties. Try another channel. • The sound may be muted. Press VOL ▲▼. • If you hear no sound, try setting the MTS feature to Stereo mode (page 74). • If you are not receiving a second audio program from a known SAP source, make sure the MTS feature is set to SAP mode (page 74). • If you hear audio that seems "incorrect" for the program you are watching (such as music or a foreign language), the SAP mode may be on. Set the MTS feature to Stereo mode (page 74).
Remote control problems	• Make sure the remote control is set to the correct device mode (page 31). • Remove all obstructions between the remote control and the TV. • The remote control batteries may be dead. Replace the batteries (page 26). • Your TV remote control may not operate certain features on your external device. Refer to the owner's manual for your other device to determine its available features. If your TV remote control does not operate a specific feature on another device, use the remote control that came with the device (page 29). • If the TV still does not act as expected, use the Restore Factory Defaults procedure as described on page 45.
Channel tuning problems	• Make sure the remote control is set to the correct device mode (page 31). • The channel may have been erased from the channel memory by the Channel Add/Delete feature. Add the channel to the channel memory (page 41). • The channel may be blocked by the Channels Block feature. Unblock the channel (page 82). • If you are unable to tune digital channels, check the antenna configuration (page 44). If you are still unable to tune digital channels, clear all channels from the channel list (page 41) and reprogram channels into the channel memory (page 40). If you are still unable to tune digital channels, use the Restore Factory Defaults procedure as described on page 45. Also see "Other problems," below.
Closed caption problems	• If the program or video you selected is not closed-captioned, no captions will display on-screen (page 72). • If text is not available, a black rectangle may appear on-screen. If this happens, turn off the closed caption feature (page 72). • A closed caption signal may not display correctly in the following situations: a) when a videotape has been dubbed; b) when the signal reception is weak; or c) when the signal reception is nonstandard (page 72).
Rating Blocking (V-Chip) problems	• If you forget your PIN code: While the PIN code entering screen is displayed, press RECALL four times within 5 seconds. The PIN code you pveviously stored will be cleared (page 80). • The V-Chip feature is available for the U.S. V-Chip system only (page 81).
Recording problems	• If you use the TV's remote control to start recording, you will not be able to change inputs (page 60). If you attempt to do so, the message "Not Available While Recording" will appear on-screen. ***Note:*** *If you are recording a digital channel, you will only be able to change channels between analog channels while the recording is in progress. This is because the digital tuner in the TV will be locked on the channel that is currently recording. If you are recording an analog channel, you will only be able to change channels between digital channels while the recording is in progress. This is because the analog tuner in the TV will be locked on the channel that is currently recording.* • It is recommended that you use the TV's remote control to start recording. If you use a device other than the TV's remote control to start recording and then attempt to access a feature that is normally denied during recording (changing inputs), the recorded audio and/or video may not be what you intended to record. See pages 60 and 64.
TV stops responding to controls	• If the TV stops responding to the controls on the remote control or TV front panel touchpad and you cannot turn off the TV, press and hold the POWER button on the TV front panel for 5 or more seconds to reset the TV.
Other problems	• If your TV's problem has not been addressed in this Troubleshooting section or the recommended solution has not worked, use the Restore Factory Defaults procedure as described on page 45.

Symptom (DVD)	Solution
Playback doesn't start	• The disc is reversed. Load the disc with the playback side facing backward. • No disc is loaded. Load the playable disc. • The disc may be dirty. Clean the disc. • The TV cannot play CD-ROMs, etc. Load the playable disc.
No picture	• TV selector is not set correctly.
No sound	• The analog audio output terminal on the TV does not output the sound from the disc. Connect your digital audio system to the DIGITAL AUDIO OUT terminal on the TV. • Make sure the input selector of the amplifier is set properly. • The TV is in the special playback mode.
Picture is distorted during fast reverse/forward playback	• The picture will be distorted occasionally.
Stopping playback, search, slow-motion play, A-B repeat play, or changing angles, etc. cannot be performed	• Some discs may not perform certain functions.
No surround sound	• The setup may not match your stereo system.
The TV or remote operation key is not functioning	• Turn off the TV and unplug the AC power cord for several minutes, then replug it.
Audio soundtrack and/or subtitle language is not changed when you play back a DVD	• Multilingual languages are not recorded on the DVD disc.
No subtitle	• Some discs have no subtitles. • Subtitles are cleared. Press SUBTITLE ▭.
Angle cannot be changed	• Multi-angles are not recorded on the DVD discs.
✋ appears on the screen	• The function is prohibited with the TV or the disc.

TV Guide On Screen™ FAQs

The following are frequently asked questions about the TV Guide On Screen™ system. The answers represent the most likely solutions to the problem.

SETUP

1. Q: **What if I move and my ZIP code or postal code changes?**

   A: Highlight SETUP in the Service Bar. Press ▼ to highlight Change System Settings (page 57), and then press ENTER. Follow the on-screen prompts to enter new information (see Chapter 3 for details). It can take up to 24 hours to receive new data.

2. Q: **What if I change my cable hook-up to antenna or vice versa?**

   A: Highlight SETUP in the Service Bar. Press ▼ to highlight Change System Settings (page 57), and then press ENTER. Follow the on-screen prompts to enter new input information and rescan channels for the new input (see Chapter 3 for details).

3. Q: **What if I change cable boxes?**

   A: Highlight SETUP in the Service Bar. Press ▼ to highlight Change System Settings (page 57), and then press ENTER. Follow the on-screen prompts to enter new input information and rescan channels for the new input (see Chapter 3 for details).

4. Q: **I used to have a cable box, but now I get direct cable. What do I do?**

   A: Highlight SETUP in the Service Bar. Press ▼ to highlight Change System Settings (page 57), and then press ENTER. Follow the on-screen prompts to enter new input information and rescan channels for the new input (see Chapter 3 for details).

5. Q: **If I add a recorder or change my cable service, how do I change my Setup information?**

   A: Highlight SETUP in the Service Bar. Press ▼ to highlight Change System Settings (page 57), and then press ENTER. Follow the on-screen prompts to enter new information (see Chapter 3 for details). It can take up to 24 hours to receive new data.

6. Q: **Why does it take up to 24 hours for the TV Guide On Screen™ system to be ready for use?**

   A: The initial setup process consists of finding the stations in your area that carry the TV Guide On Screen™ system data and tuning to those stations to receive the setup and listings data.

7. Q: **I had a power outage. Do I need to go through initial setup of the TV Guide On Screen™ system again?**

   A: No. The information you entered is stored in the TV Guide On Screen™ system memory.

   Note: *For Cable box users, the TV must be OFF and the Cable box must be left ON for the TV Guide On Screen™ system to receive channel line-up information.*

8. Q: **How do I connect the G-LINK™ (IR blaster) cable to the G-LINK™ input on the TV?**

   A: See Chapter 2: Connecting your TV in this manual. You also can refer to the TV Guide On Screen™ prompts during VCR or Cable box setup.

9. Q: **When will I be able to view my TV program listings and use other TV Guide On Screen™ system features?**

   A: You will be able to use initial program listings within 24 hours of initial setup. It may take up to one week to receive the full eight days of program listings.

10. Q: **What should I do if I cannot complete initial setup?**

    A: If you are unable to complete initial setup using the owner's manual and the on-screen prompts, please call Toshiba's National Service Division at 1-800-631-3811.

11. Q: **If I make a mistake during setup, how do I go back to the previous step?**

    A: Complete the remaining setup steps. When "Confirming Your Settings" appears, select "No, repeat setup process." Follow the on-screen prompts and input the correct information.

12. Q: **What if the channel number is not visible on my cable box?**

    A: Your cable box may be defaulting to a clock or time display once the channel changes. Watch the box carefully when testing the cable box brand code to see if the channel changes to 09.

13. Q: **Why won't my VCR turn on?**

    A: There are several possibilities:

    a) An incorrect or "no VCR" code was entered during the TV Guide On Screen™ initial setup. Press TV GUIDE on the remote control, and then press ▶ to highlight SETUP. Press ▼ to highlight "Change system settings," and then press ENTER. Follow the on-screen prompts to select the correct VCR information.

    b) Make sure the G-LINK™ (IR blaster) cable is connected correctly (see page 23).

    c) The VCR record timer is on. Turn off the timer.

    d) The wired remote VCR is incompatible.

TV Guide On Screen™ FAQs (continued)

CHANNEL LINE-UPS & LISTINGS

14. Q: **Why aren't all my channels initially displayed?**

A: After initial setup, approximately 120 channels are automatically displayed. The user may use the "Change channel display" feature to turn On or Off additional channels.

Note: *Even though you have the option of enabling many more channels, the system may not have the memory capacity to hold detailed program descriptions for all of them.*

15. Q: **When I opened the TV Guide On Screen™ system, I was asked to choose from more than one channel lineup. What should I do?**

A: Select the lineup that most closely matches the one for your area. If after you choose the lineup, you want to make changes to it, highlight SETUP in the Service Bar. Press ▼ to select Change channel display. Follow the on-screen instructions.

16. Q: **Why do all my channels display "No Listing?"**

A: The TV Guide On Screen™ system has not yet received its data download. The phrase "No Listings" will be replaced with program information during the next download cycle, which will occur within the next 24-hour period.

17. Q: **Why do some of my channels display "No Listing?"**

A: There are several possibilities:

a) The channels in question were recently turned On (in Change channel display) and TV Guide On Screen™ has yet to receive its next data download.

b) After completing the initial setup, the first data download of the day was interrupted by a VCR recording.

c) The TV power cord was left unplugged for an extended period of time and the TV Guide On Screen™ system was unable to receive program listings during the scheduled download cycle.

d) Poor reception caused some of the data to be missed.

e) The cable box was turned Off. The TV power cord must be plugged in and the cable box must be On.

g) A/V Cable: The VCR was turned OFF. If the connection includes stereo cables with cable box to VCR and stereo connection from VCR to television, the VCR must be ON.

18. Q: **A show entry in the TV Guide On Screen™ system reads "No Listing." What does that mean?**

A: Show information for that entry was not available during the last TV Guide On Screen™ system information update (download). Show information is updated on a daily basis.

19. Q: **I have seen the word "download" in reference to the TV Guide On Screen™ system. What does that mean?**

A: "Download" refers to the times throughout the day when the TV Guide On Screen™ system is *receiving* channel and listings information from your Cable or over-the-air antenna transmission.

20. Q: **After some show titles, I have noticed from 1 to 4 stars (****). What does that mean?**

A: These stars are a broadcast-industry ratings system used to inform you of a show's quality. The more stars, the better the rating.

21. Q: **What do the colors for shows in the Listings and Searc screens indicate?**

A: Green = Sports; Dark Blue = Children's; Purple = Movies; Teal = Other Show.

22. Q: **How do I add, delete, or change the assigned number o channels on the TV Guide On Screen™ system?**

A: See the "Change channel display" section in the TV Guide On Screen™ owner's manual (see page 58).

23. Q: **Why are some of my channels listed on the wrong number?**

A: There are several possibilities: See page 58 for details

a) Incorrect channel lineup was selected. Access "Change system settings" and choose "Yes, but my channel lineup is incorrect," and then reselect the correct lineup.

b) Channel line-up changes have not yet been processed. Use the "Change channel display" feature to make adjustments

c) Initial setup was done incorrectly (that is, the wrong ZIP/postal code was entered). Redo the initial setup.

24. Q: **Why doesn't the program highlighted match up with the video window on my TV screen?**

A: There are several possibilities: (See page 57 for details)

a) The station in question made a late change to its scheduled program listing and the TV Guide On Screen™ system has not yet been updated.

b) The TV is receiving broadcasts through a modified or boosted antenna system or a satellite dish (not supported by the TV Guide On Screen™ system).

c) Initial setup was done incorrectly. (i.e., the wrong ZIP/postal code was entered). Redo the initial setup.

d) Incorrect channel lineup was selected. Access "Change system settings" and choose "Yes, but my channel lineup is incorrect," and then reselect the correct lineup.

25. Q: **Can I move my favorite stations to the top of the TV Guide On Screen™ display screen?**

A: Yes. Use the "Change channel display" feature to make adjustments (see page 58). Highlight the station call letters to be moved, then use ▲▼ or Number buttons to reassign the position of the station.

TV Guide On Screen™ FAQs (continued)

OPERATIONS

26. Q: **How can I look for a specific show in the TV Guide On Screen™ system?**

A: SEARCH lets you find shows by Keyword, alphabetically, or by category (HDTV, Movies, Sports, Children, Educational, News, Variety, Series).

27. Q: **My cable box will not change channels with the TV Guide On Screen™ system. What's wrong?**

A: There are several possibilities:

a) The incorrect cable box code was entered during TV Guide On Screen™ initial setup. Redo initial setup.

b) The G-LINK™ (IR blaster) cable may not be connected properly (see page 23).

c) The cable box has no remote capability and is incompatible.

28. Q: **How do I resize or close the Info window?**

A: Press INFO on the remote control to resize the Info window. Press INFO again to close the Info window.

29. Q: **Is there a way to go directly to the next day's listings without scrolling through each time slot?**

A: Yes. In LISTINGS highlight the station you want to look ahead, use the Channel Number buttons on the remote control to enter "24,". In the resulting menu, press ▼ two times to scroll down to select the HOURS AHEAD option, and then press ENTER. You also can use the SKIP/SEARCH button on the remote control.

30. Q: **Why can't I record a show? All I get is snow or a blue screen.**

A: There are several possibilities (without a cable box):

a) The recording unit was not connected or set up correctly.

b) The incorrect channel lineup was selected. Press GUIDE and then ▶ to highlight SETUP. Press ▼ to highlight "Change system settings," and then press ENTER. Follow the on-screen prompts to select the correct channel lineup.

31. Q: **Why won't my VCR change channels and why does it change to the wrong channel?**

A: There are two possibilities (with a cable box):

a) The VCR is not set on the correct output channel. Set the VCR to 03, 04, or whichever output channel is set by your cable system.

b) The VCR and/or cable box are hooked up incorrectly. Refer to your VCR owner's manual or contact your Cable TV company for proper wiring procedures.

32. Q: **Is Help available in the TV Guide On Screen™ system? If so, how do I find it?**

A: Yes. Highlight any of the four main Services (Listings, Schedule, Setup, Search) and press INFO on the remote control. An expanded Info Box displays additional help information. Press INFO again to close the box.

Help is also available in a panel menu. Press INFO to display an expanded Info Box. Press INFO again to close the box.

RECORD/REMIND

33. Q: **Can I tune to a different channel while recording a program?**

A: No.

34. Q: **How many programs can be scheduled for RECORD in the GUIDE?**

A: There is no limit to the number of shows that can be programmed into the schedule memory.

35. Q: **If a program is scheduled to RECORD on a Regular basis, does it count as five?**

A: No, whether a program is scheduled ONCE, REGULARLY, or WEEKLY, it only counts as one show in the RECORD stack memory.

36. Q: **If I have a power failure, will I need to reset the recorded shows I have already programmed?**

A: The start times and channel numbers of shows that have been programmed will be retained in the memory of the TV Guide On Screen™ system. Titles will appear once listings are restored.

37. Q: **Can I set a Record or Remind event without highlighting a show title in the TV Guide On Screen™ system?**

A: Yes. TV Guide On Screen™ has a Manual Record and Remind feature. Highlight SCHEDULE in the Service Bar, and press MENU. Choose the event type, press ENTER, and then enter the date, start and stop time, channel number, and so forth.

38. Q: **What do the frequencies for Record and Remind mean?**

A: Once—records/reminds the show one time.

Daily (manual only)—records/reminds the time, channel, input, recorder combination Monday through Friday.

Regularly— records/reminds the show every time the show airs on the same channel and starts at the same time.

Weekly— records/reminds the show each time the show airs on the same day of the week, on the same channel and starts at the same time.

Off (not cancel)—keeps the show in the Schedule list but will not record/remind the show until the frequency is changed.

12 Appendix

Specifications

Note:

- ***This model complies with the specifications listed below.***
- ***Designs and specifications are subject to change without notice.***
- ***This model may not be compatible with features and/or specifications that may be added in the future.***

Television System
NTSC standard
ATSC standard (8VSB)
Digital Cable (64 QAM, 256 QAM; in-the-clear, unencrypted*)
**Encrypted channels can be viewed on this TV using a CableCARD™. See page 15 for details.*

Channel Coverage
VHF: 2 through 13
UHF: 14 through 69
Cable TV: Mid band (A-8 through A-1, A through I)
Super band (J through W)
Hyper band (AA through ZZ, AAA, BBB)
Ultra band (65 through 94, 100 through 135)

Power Source
120 V AC, 60 Hz

Power Consumption
32HLX95:
155W (average)
43W (Using a CableCARD™)
39W (Without a CableCARD™)
37HLX95:
175W (average)
43W (Using a CableCARD™)
39W (Without a CableCARD™)

Audio Power
10 W + 10 W

Speaker Type
Two 2-3/8 × 4-3/4 inches (60 × 120mm)

Video/Audio Terminals
S-VIDEO INPUT:
Y : 1 V(p-p), 75 ohm, negative sync.
C : 0.286 V(p-p) (burst signal), 75 ohm
VIDEO/AUDIO INPUT:
VIDEO: 1 V(p-p), 75 ohm, negative sync.
AUDIO: 150 mV(rms) (30% modulation equivalent, 22 k ohm or greater)
ColorStream® (component video) HD INPUT:
Y : 1V(p-p), 75 ohm
PR: 0.7 V(p-p), 75 ohm
PB: 0.7 V(p-p), 75 ohm
AUDIO: 150 mV(rms), 22 k ohm or greater
Suggested formats: 1080i, 480p, 480i, 720p
Note: *This TV does not provide ColorStream HD OUTPUT.*
HDMI™ INPUT:
HDMI compliant (type A connector)
HDCP compliant
E-EDID** compliant
Suggested formats: 1080i, 480p, 480i, 720p
HDMI Audio: 2-channel PCM; 32/44.1/48 kHz sampling frequency; 16/20/24 bits per sample
Note: *This TV does not provide HDMI OUTPUT.*

Video/Audio Terminals (continued)
PC input:
15-pin D-sub Analog RGB
VIDEO/AUDIO OUTPUT (also for recording):
VIDEO: 1 V(p-p), 75 ohm, negative sync.
AUDIO: 150 mV(rms) (30% modulation equivalent, 2.2 k ohm or less)
G-LINK™ OUTPUT:
3 V(p-p), 3.5 mm mono socket (IR blaster cables supplied)
DIGITAL AUDIO OUTPUT:
Optical type
Headphone jack:
3.5 mm stereo

DVD/CD Player

DVD signal system	NTSC
DVD region number	1
Applicable disc	1. DVD (12cm) 2. CD (12cm)
Pickup	1-Lens, 2-Beams system

Dimensions
32HLX95:
Width: 31-3/8 inches (794 mm)
Height: 23-3/4 inches (603 mm)
Depth: 11-7/8 inches (300 mm)
37HLX95:
Weight: 36-1/8 inches (915 mm)
Height: 26-1/2 inches (670 mm)
Depth: 11-7/8 inches (300 mm)

Weight
32HLX95:
51.4 lbs (23.3 kg)
37HLX95:
60.6 lbs (27.5 kg)

Supplied Accessories
- Dual-wand IR blaster cable
- Remote control with two size "AA" alkaline batteries
- Clip (see item 19 on page 3)
- Owner's Manual (This book)

WARNING: Always use the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television. The use of any wall bracket other than the Toshiba wall bracket specified below or another wall bracket approved by Toshiba for wall mounting this television could result in serious bodily injury and/or property damage.

In the U.S.:
Use Toshiba wall bracket model number **FWB3250**. For more information, call TACP's Consumer Solutions Center at 1-800-631-3811 or visit TACP's website at **www.tacp.toshiba.com.**

In Canada:
Call TCL's Customer Service Department at 1-800-268-3404.

** E-EDID = Enhanced-Extended Display Identification

Limited United States Warranty

for LCD TV/DVD Combinations 26" and Larger

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imited One (1) Year Warranty on Parts and Labor

ACP warrants this LCD TV/DVD Combination and its parts against defects materials or workmanship for period of one (1) year after the date of riginal retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S PTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR EFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR ABOR. During this period, TACP Authorized Service Station personnel ill come to your home when warranty service is required. Depending n the type of repair required, the service will either be performed in our home or the LCD TV/DVD Combination will be taken to a TACP uthorized Service Station for repair and returned to your home at no ost to you.

ental Units

he warranty for LCD TV/DVD Combination rental units begins on the date f the first rental or thirty (30) days after the date of shipment to the rental rm, whichever comes first.

imited Warranty for Commercial Units

ACP warrants LCD TV/DVD Combinations that are sold and used for ommercial purposes as follows: all parts are warranted against defects in aterials or workmanship for a period of ninety (90) days after the date of riginal retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S PTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR EFURBISHED PART WITHOUT CHARGE TO YOU.

wner's Manual and Product Registration Card

ead this owner's manual thoroughly before operating this LCD TV/DVD ombination.

omplete and mail the enclosed product registration card or register your LCD V/DVD Combination online at **www.tacp.toshiba.com/service** as soon s possible. By registering your LCD TV/DVD Combination you will enable ACP to bring you new products specifically designed to meet your needs and elp us to contact you in the unlikely event a safety notification is required nder the U.S. Consumer Product Safety Act. **Failure to complete and eturn the product registration card does not diminish your arranty rights.**

our Responsibility

HE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING ONDITIONS:

1) You must retain your original bill of sale or provide other proof of purchase.
2) All warranty servicing of this LCD TV/DVD Combination must be performed by an Authorized TACP Service Station.
3) The warranties from TACP are effective only if this LCD TV/DVD Combination is purchased and operated in the Continental U.S.A. or Puerto Rico.
(4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems, misaligned satellite dishes, cable television distribution, VCRs, DVD players/recorders, personal computer level IEEE-1394 devices, and any other connected signal source device are your responsibility.
(5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any LCD TV/DVD Combination or parts that have been lost or discarded by you or to damage to the LCD TV/DVD Combination or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TACP; use or malfunction through simultaneous use of this LCD TV/DVD Combination and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Service

If, after following all of the operating instructions in this manual and reviewing the section entitled "Troubleshooting," you find that service is needed:

(1) To find the nearest TACP Authorized Service Station, visit TACP's website at **www.tacp.toshiba.com/service** or contact TACP's Consumer Solution Center toll free at 1-800-575-5469.
(2) You must present your original bill of sale or other proof of purchase to the TACP Authorized Service Station.

For additional information, visit TACP's website:
www.tacp.toshiba.com

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[Wty-E(E) 0305]

Limited Canada Warranty

for LCD TV/DVD Combination

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Limited One (1) Year Warranty on Parts and Labor

TCL warrants this LCD TV/DVD Combination and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL 'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. To receive warranty service, you must return the LCD TV/DVD Combination to a TCL Authorized Service Depot.

Rental Units

The warranty for rental units begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

Commercial Units

LCD TV/DVD Combinations sold and used for commercial purposes have a limited ninety (90) day warranty for all parts and labor.

Owner 's Manual and Product Registration

Read this owner 's manual thoroughly before operating this LCD TV/DVD Combination. If you purchased your LCD TV/DVD Combination in Canada, register it online at **www.toshiba.ca** as soon as possible. By registering your product you will enable TCL to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required under the U.S. Consumer Product Safety Act. **Failure to register online does not diminish your warranty rights.**

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.
(2) All warranty servicing of this LCD TV/DVD Combination must be made by an Authorized TCL Service Depot.
(3) The warranties from TCL are effective only if the LCD TV/DVD Combination is purchased in Canada from an authorized TCL dealer and operated in Canada.
(4) Labor charges for installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.
(5) Warranties extend only to defects in materials or workmanship as limited above, and do not extend to any LCD TV/DVD Combination or parts that have been lost or discarded by you or to damage to the LCD TV/DVD Combination or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TCL; use or malfunction through simultaneous use of this product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checki the "Troubleshooting" section, you find that service is needed:

(1) To find the nearest TCL Authorized Service Depot, visit TCL 's web sit at **www.toshiba.ca**.
(2) Present your bill of sale or other proof of purchase to the Authorized Service Depot.

For additional information, visit TCL's web site: www.toshiba.ca

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