

TOSHIBA

OWNER'S MANUAL

Plasma Monitor

COLORSTREAM®

SRS WOW

HDMI

CustomSeries™

Introduction

Connecting
your Monitor

Using the
remote control

Setting up
your Monitor

Operating
your Monitor

Appendix

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Owner's Record

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

Model number:

Serial number:

42DPC85

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YC/N 23566768A

Black

(E)42DPC85 (size 213*276)

Dear Customer,

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

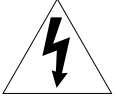
NOTE: THIS MONITOR DOES NOT CONTAIN A TUNER.

A set-top box (i.e., cable box or analog/digital receiver) is required to receive: (1) analog and/or digital broadcast signals from an antenna; and (2) analog and/or digital cable. For more information, refer to the applicable connection and setup instructions in this owner's manual.


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: If you decide to wall mount this monitor, always use the Toshiba wall bracket specified below or another UL-approved wall bracket appropriate for the size and weight of this monitor. The use of any wall bracket other than the Toshiba wall bracket specified below or another UL-approved wall bracket appropriate for the size and weight of this monitor for wall mounting this monitor could result in serious bodily injury and/or property damage.

In the U.S.:

Use Toshiba wall bracket model number **FWB3250** or, if no longer available, another UL-approved wall bracket appropriate for the size and weight of the monitor. 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.



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

NOTICE OF POSSIBLE ADVERSE EFFECTS ON PLASMA DISPLAY

If a fixed (non-moving) pattern or image remains on the Plasma display for extended periods of time, the image can become permanently ingrained in the plasma monitor panel and cause subtle but permanent ghost images. **This type of damage is NOT COVERED BY YOUR WARRANTY.** See pages 4 and 5 for details.

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 TV and consumer electronics furniture manufacturers, to advocate children's safety and educate consumers and their families about TV 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!



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.



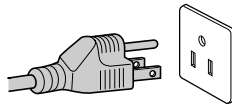
5) Do not use this apparatus near water.

6) Clean only with dry cloth.

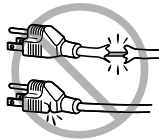
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

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.

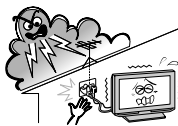


11) Only use attachments/accessories specified by the manufacturer.

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 monitor is dropped and the cabinet or enclosure surface has been damaged or the monitor does not operate normally, take the following precautions:

- ALWAYS turn off the monitor and unplug the power cord to avoid possible electric shock or fire.
- To prevent personal injury, never handle the damaged television.
- ALWAYS contact a service technician to inspect the monitor 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 monitor:

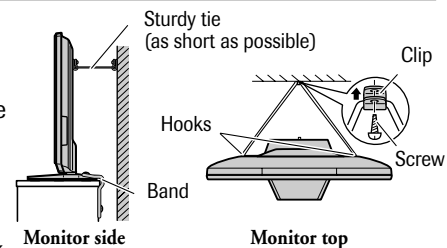
16) Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.

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



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

19) Always place the monitor on the floor or a sturdy, level, stable surface that can support the weight of the unit. Use a sturdy tie between the monitor's rear hook

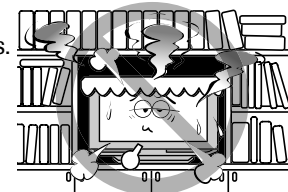


and the rear wall, pillar, etc., to secure the monitor. If you use a monitor stand, fix the monitor by using the attached band.

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 monitor.

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

- 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.

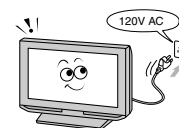


The slots and openings are provided to protect the monitor from overheating and to help maintain reliable operation of the monitor. Leave a space of at least 4 inches around the monitor.

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

23) Never overload wall outlets and extension cords.

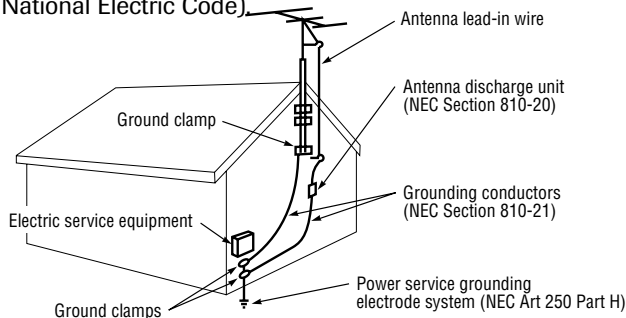
24) Always operate the monitor with a 120V AC, 60Hz power source only.



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 with three-wire grounding type 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).



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.



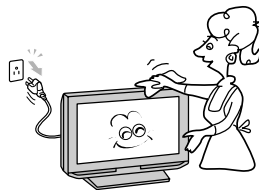
- Never attempt to install any of the following during lightning activity:
 - a) an antenna system; or
 - b) cables, wires, or any home theater component connected to an antenna or phone system.

Care

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

- 27) If you use the monitor in the room of 0°C or less, the picture brightness may vary until the plasma monitor warms up. This is not a sign of a malfunction.

- 28) Always unplug the monitor before cleaning. Wipe the display panel surface gently using only the supplied wiping cloth or a soft cloth (cotton, flannel, etc.). A hard cloth may damage the surface of the panel. Avoid contact with alcohol, thinner, benzene, acidic or and alkaline solvent cleaners, abrasive cleaners, or chemical cloths, as the surface may be impaired.



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

Care *(cont. from previous column)*

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

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

- 32) During normal use, the monitor 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.

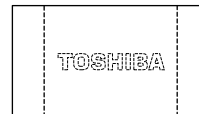
33) **Possible Adverse Effects on Plasma Display**

If a fixed (non-moving) pattern or image remains on the Plasma display for extended periods of time, the image can become permanently ingrained in the plasma panel of the monitor and cause subtle but permanent ghost images.

This type of damage is NOT COVERED BY YOUR WARRANTY.

Never leave the Plasma monitor on for extended periods of time while it is displaying the following images or formats:

- **Fixed (non-moving) images**, including but not limited to closed captions, video game patterns, TV station logos, stock tickers, and websites.
- **Special formats** that do not use the entire screen, including but not limited to widescreen or letterbox format media viewed on a 4:3 aspect ratio display (with gray or black bars at the top and bottom of the screen) and 4:3 aspect ratio format media viewed on a widescreen/16:9 aspect ratio display (with gray or black bars on the left and right sides of the screen).



Service

- 34) **! WARNING: RISK OF ELECTRIC SHOCK!** Never attempt to service the monitor 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.

- 35) If you have the monitor 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 monitor is in safe operating condition.

- 36) When the monitor reaches the end of its useful life, ask a qualified service technician to properly dispose of the monitor.

FCC Compliance Statement (Part 15):

The **Toshiba 42DPC85 Plasma Color Monitor** 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.

Note: This equipment has been tested and found to comply with the limits for a Class B 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.

Important notes about your Plasma monitor

The following symptoms are not signs of malfunction, but rather technical limitations of plasma monitor technology.

- 1) The display of this Plasma monitor radiates infrared rays. It may affect other infrared communication equipment under certain operating conditions.
- 2) Under certain conditions, the display of this Plasma monitor may cause interference with the audio and/or video of certain types of electronic equipment that easily receive electromagnetic waves (e.g., AM radios and video equipment). In particular, the display of this Plasma monitor may affect certain types of electronic equipment that are located beyond the area where the Plasma monitor is being used.
- 3) The display panel of this Plasma monitor is manufactured using an extremely high level of precision technology. However, occasionally some parts of the screen may be missing picture elements and/or have luminous spots.
- 4) You can enjoy playing video games on this Plasma monitor. However, certain video games that utilize so-called "light gun" joysticks for shooting at on-screen targets may not work with this Plasma monitor.

5) Possible Adverse Effects on Plasma Display

Like all phosphor-based display devices and all gas-based plasma displays, the display of this Plasma monitor may be susceptible to permanent ghost images (also known as phosphor burn-in) under certain circumstances. Certain operating conditions may accelerate the potential for phosphor burn-in, including but not limited to the following:

- Displaying **fixed (non-moving) images**, including but not limited to closed captions, video game patterns, TV station logos, stock tickers, and websites.

- Displaying **special formats** that do not use the entire screen, including but not limited to widescreen or letterbox format media viewed on a 4:3 aspect ratio display (with gray or black bars at the top and bottom of the screen) and 4:3 aspect ratio format media viewed on a widescreen/16:9 aspect ratio display (with gray or black bars on the left and right sides of the screen).

To minimize the potential for the occurrence of phosphor burn-in, Toshiba recommends the following:

- Display a moving image on the display of your Plasma monitor whenever possible.
- Always turn off the power of your Plasma monitor when you are finished using it.
- Reduce the Brightness and Contrast levels as much as possible without impairing image quality.
- Enable the LONG LIFE settings (see page 28, 29).
- Try to display images that have many colors and color gradations (i.e., photographic or photo-realistic images).
- Try to display images that have minimal contrast between light and dark areas (e.g., avoid white characters on black backgrounds).
- Try to avoid displaying images that have few colors and/or that have distinct, sharply defined borders between colors.

About the ISM function

This monitor contains an "image sticking minimization" (ISM) feature that automatically starts to decrease the picture brightness in small increments when a fixed (non-moving) image is displayed on-screen for an extended period of time. This feature helps to reduce and delay the potential for phosphor burn-in. The time delay and rate of decreasing picture brightness depend on the brightness of the displayed image.

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Introduction

Welcome to Toshiba

Thank you for purchasing this Toshiba plasma monitor. The goal of this manual is to guide you through setting up and operating your Toshiba monitor as quickly as possible.

The model and serial numbers are on the back of your monitor. Write these numbers in the space provided on the front cover of this manual for your records.

Instructions in this manual are based on using the remote control. You also can use the controls on the monitor if they have the same name as those referred to on the remote control.

Please read all the safety and operating instructions carefully, and keep this manual for future reference.

NOTE: THIS MONITOR DOES NOT CONTAIN A TUNER.

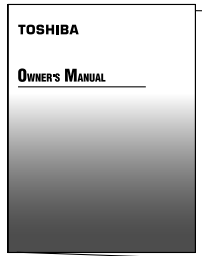
A set-top box (i.e., cable box or analog/digital receiver) is required to receive: (1) analog and/or digital broadcast signals from an antenna; and (2) analog and/or digital cable.

For more information, refer to the applicable connection and setup.

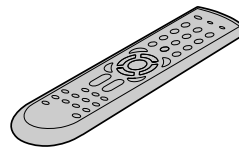
Supplied accessories

Check that you have the accessories and items shown.

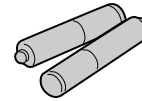
Owner's Manual
(This book)



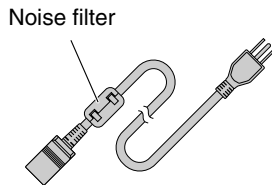
Remote control
CT-90232



Batteries for the remote control
LR6 (AA) × 2



Power cord*
(three wire
grounding type)

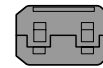


Clip

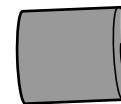


Use this clip to attach the monitor to a wall, pillar, or other immovable structure. See item 19 on page 3.

Noise filter-1
ZCAT2436-1330A-M
(see page 14)



Noise filter-2
ZCAT3035-1330
(see page 14)



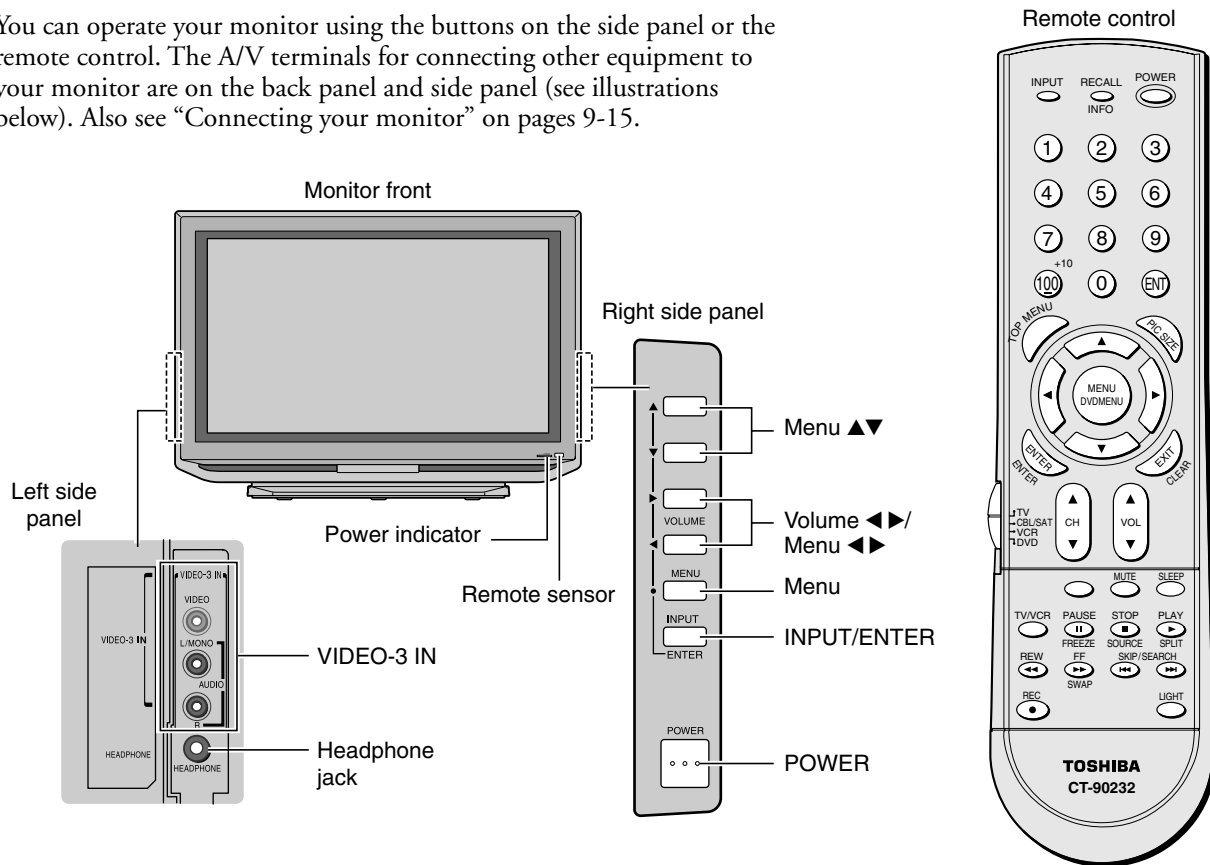
* The power cord supplied with this product is to be used in the United States and Canada only. If this product is used in another country, use a power cord which conforms to the laws or regulations of that country.

Do not remove the noise filter from the power cord.

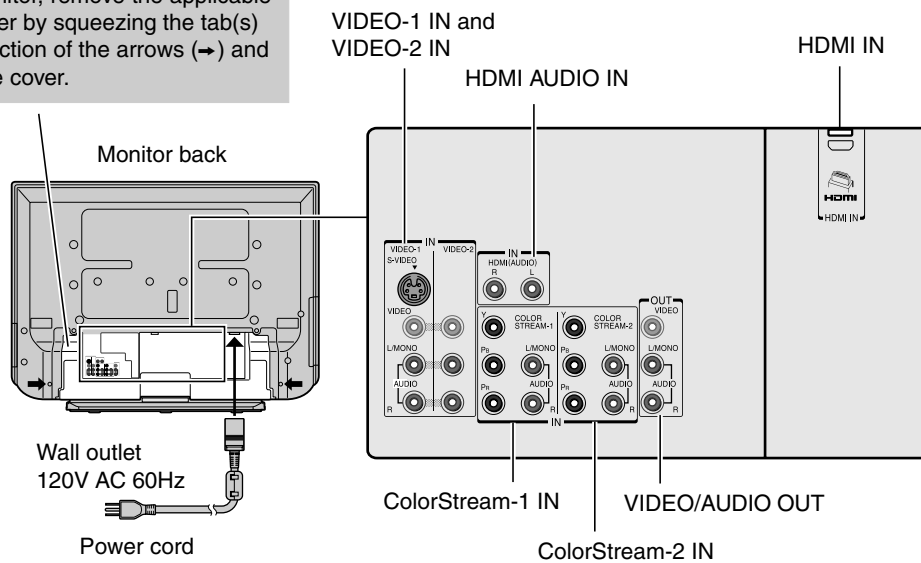
The noise filter is used to reduce the interference in image or sound of other electronic equipment.

Exploring your new monitor

You can operate your monitor using the buttons on the side panel or the remote control. The A/V terminals for connecting other equipment to your monitor are on the back panel and side panel (see illustrations below). Also see “Connecting your monitor” on pages 9-15.



Before connecting an external device to the monitor, remove the applicable panel cover by squeezing the tab(s) in the direction of the arrows (→) and pulling the cover.



Connecting your Monitor

Note: Cables are not supplied with your monitor.

- **Standard A/V (audio/video) cables** usually come in sets of three, and 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 equipment with S-video output. Separate audio cables are required for a complete connection.

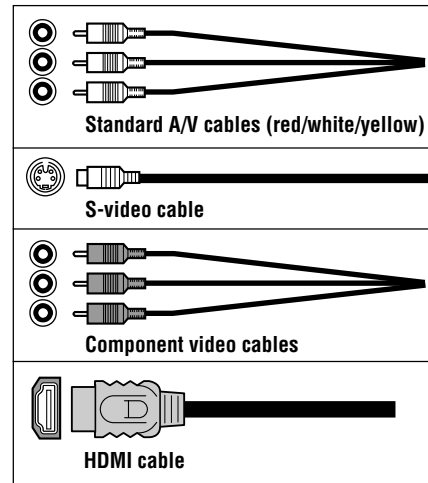
Note: An S-video cable provides better picture performance than a standard (composite) video cable.

- **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 uncompressed HDMI (high-definition multimedia interface) video and compressed audio output. HDMI cable delivers digital audio and video in its native format (see page 15). This cable carries both video and audio information; therefore, separate audio cables are not required for a complete connection.

Note: HDMI cable provides better picture performance than a standard (composite) video or S-video cable.



NOTE: RISK OF EQUIPMENT DAMAGE!
Never plug in any power cords until you have finished connecting all equipment.

NOTE: NEVER CONNECT THIS MONITOR TO A PERSONAL COMPUTER (PC).
This monitor is not intended for use with a PC.

Introduction

Connecting your Monitor

Using the remote control

Setting up your Monitor

Operating your Monitor

Appendix

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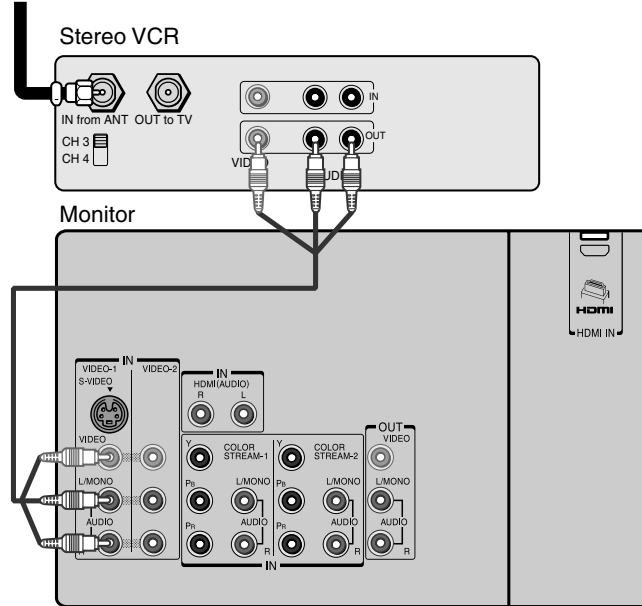
Connecting a VCR

This connection allows you to watch video tapes.

You will need:

- one set of standard A/V cables

From Cable Box or Antenna



Note:

If you have a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable.

If you have a VCR with S-video, use an S-video cable (in the S-video terminals) instead of the standard video cable.

Do not connect a standard video cable and an S-video cable to Video-1 at the same time, or the picture performance will be unacceptable.

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

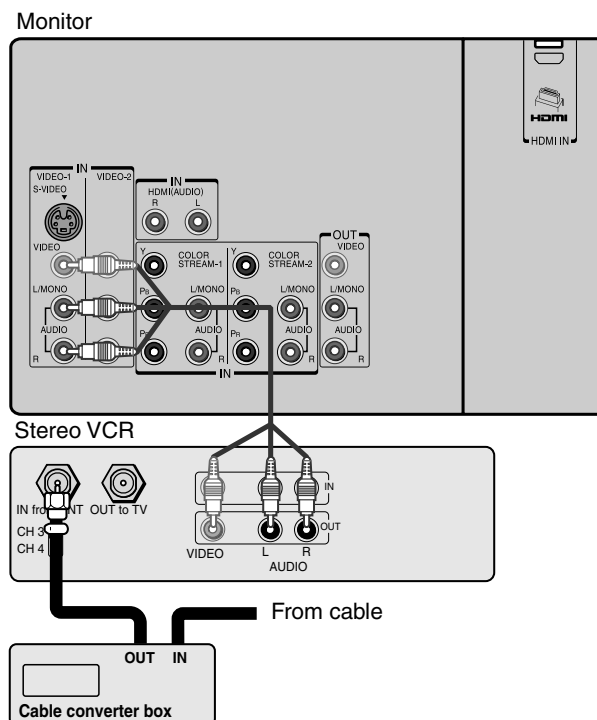
Connecting a cable converter box and VCR

This connection allows you to watch basic and premium cable channels and watch video tapes.

To watch basic and premium cable channels, put the monitor in VIDEO 1 mode and set the VCR to channel 3 or 4 (whichever channel is vacant in your area), and use the converter box to change channels.

You will need:

- two coaxial cables
- one set of standard A/V cables



Note:

If you have a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable.

If you have a VCR with S-video, use an S-video cable (in the S-video terminals) instead of a standard video cable. Do not connect a standard video cable and an S-video cable to Video-1 at the same time, or the picture performance will be unacceptable.

Do not connect a standard video cable and an S-video cable to Video-1 at the same time, or the picture performance will be unacceptable.

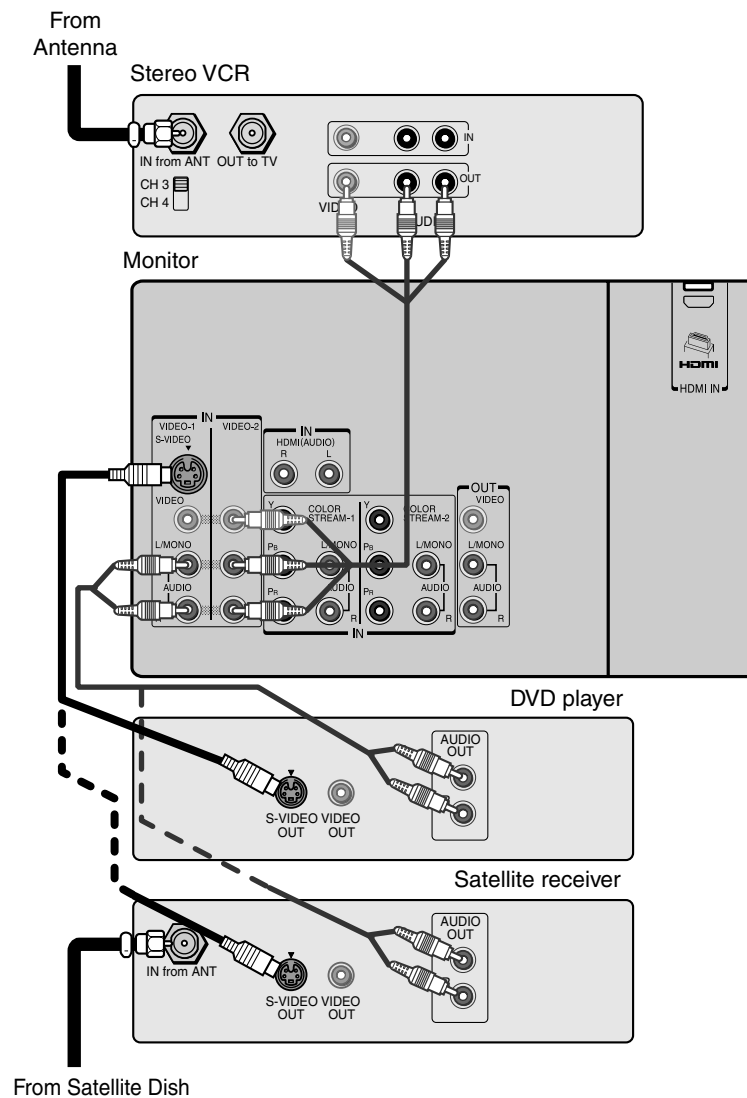
The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under Copyright Law and may subject you to civil and criminal liability.

Connecting a DVD player or satellite receiver and a VCR

This connection allows you to watch DVD/satellite and VCR.

You will need:

- one (or two, if satellite receiver is used) coaxial cable
- one set of standard A/V cables (between the monitor and VCR)
- one S-video cable (between the monitor and DVD player/satellite receiver)
- one pair of standard audio cables (between the monitor and DVD player/satellite receiver)



Note:

For the highest possible picture quality from a DVD player or satellite receiver without component video or HDMI, use an S-video cable. (If your DVD player has component video, see page 12. If your DVD player or satellite receiver has HDMI or DVI, see page 15.)

Do not connect both an S-video cable and a standard video cable between the monitor and DVD player/satellite receiver at the same time or the picture performance will be unacceptable.

Do not connect the DVD player/satellite receiver and VCR to the same set of Video inputs on the monitor. (See the illustrations, which show the DVD player/satellite receiver connected to Video-1 on the monitor, and the VCR connected to Video-2 on the monitor.)

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

This connection allows you to watch DVDs and video tapes.

Your monitor has ColorStream (component video) inputs.

Connecting your monitor to a DVD player with component video output (such as a Toshiba DVD player with ColorStream) can greatly enhance picture quality and realism.

You will need:

- one coaxial cable
- one set of standard A/V cables
- one pair of audio cables
- one set of component video cables (one S-video cable for a DVD player without component video inputs; see notes at right)

Note:

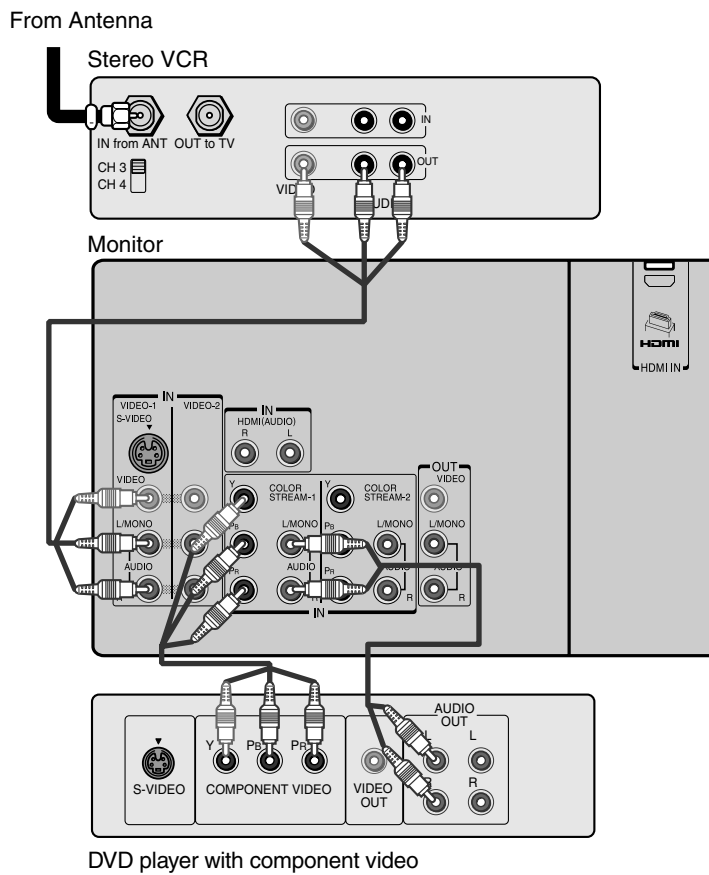
For the highest possible picture quality, use component video cables (or an HDMI cable) between the monitor and DVD player.

You can connect component video cables to either set of ColorStream terminals on the monitor (1 or 2).

For HDMI or DVI connection, see page 15.

The ColorStream-1/-2 and HDMI terminals can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems; however, a 1080i signal will provide the best picture performance.

If your DVD player is not compatible with component video, HDMI, or DVI, use the S-video connections (plus the standard audio connections) instead (see page 11).



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Connecting a DTV receiver/set-top box with ColorStream® (component video) and a VCR

This connection allows you to watch DTV (digital TV), VCR, and TV programs, and record DTV (composite video only) and TV programs.

Your monitor has ColorStream (component video) inputs. Connecting your monitor to a DTV receiver with component video inputs can greatly enhance picture quality and realism.

- To watch a DTV program, select ColorStream-2 on the monitor.
- To record and watch the same TV program, tune the VCR to the channel to record, and select VIDEO 1 on the monitor.
- To record one program while watching another, tune the VCR to the channel to record, tune the DTV receiver to the channel to watch, and select ColorStream-2 on the monitor.

You will need:

- two coaxial cables
- two sets of standard A/V cables
- one pair of audio cables
- one set of component video cables (one S-video cable for a DTV receiver without component video; see notes at right)

Note:

For the highest possible picture quality, use component video cables (or an HDMI cable) between the monitor and DTV receiver/set-top box.

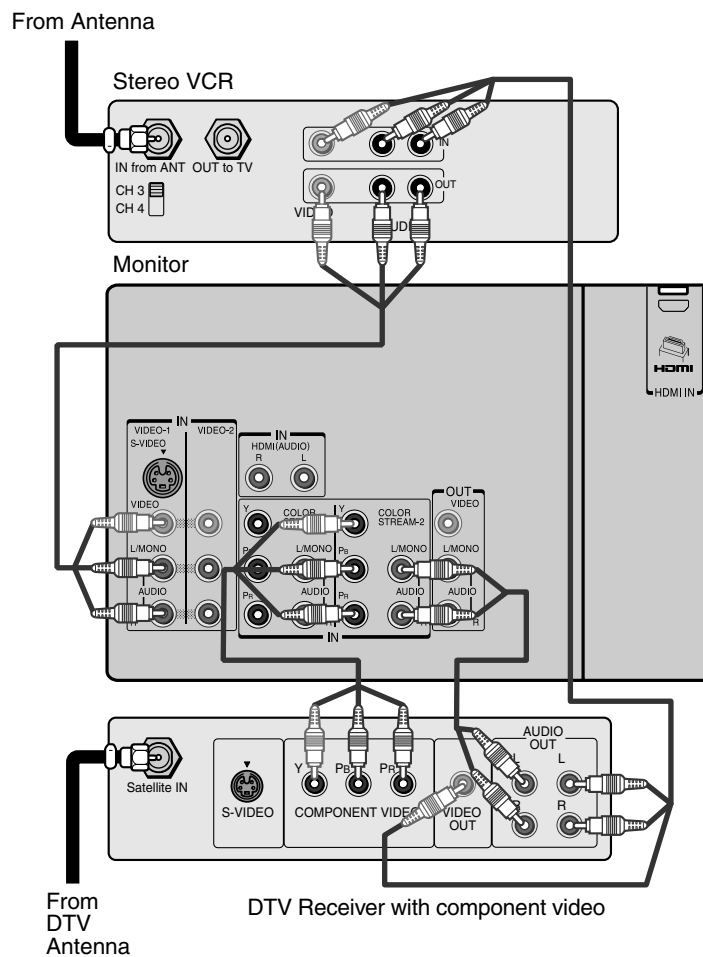
You can connect component video cables to either set of ColorStream terminals on the monitor (1 or 2).

For HDMI or DVI connection, see page 15.

The ColorStream-1/-2 and HDMI terminals can be used with Progressive (480p, 720p) and Interlaced (480i, 1080i) scan systems; however, a 1080i signal will provide the best picture performance.

If your DTV receiver or set-top box is not compatible with component video, HDMI, or DVI, use the S-video connections (plus the standard audio connections) instead (see page 11).

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



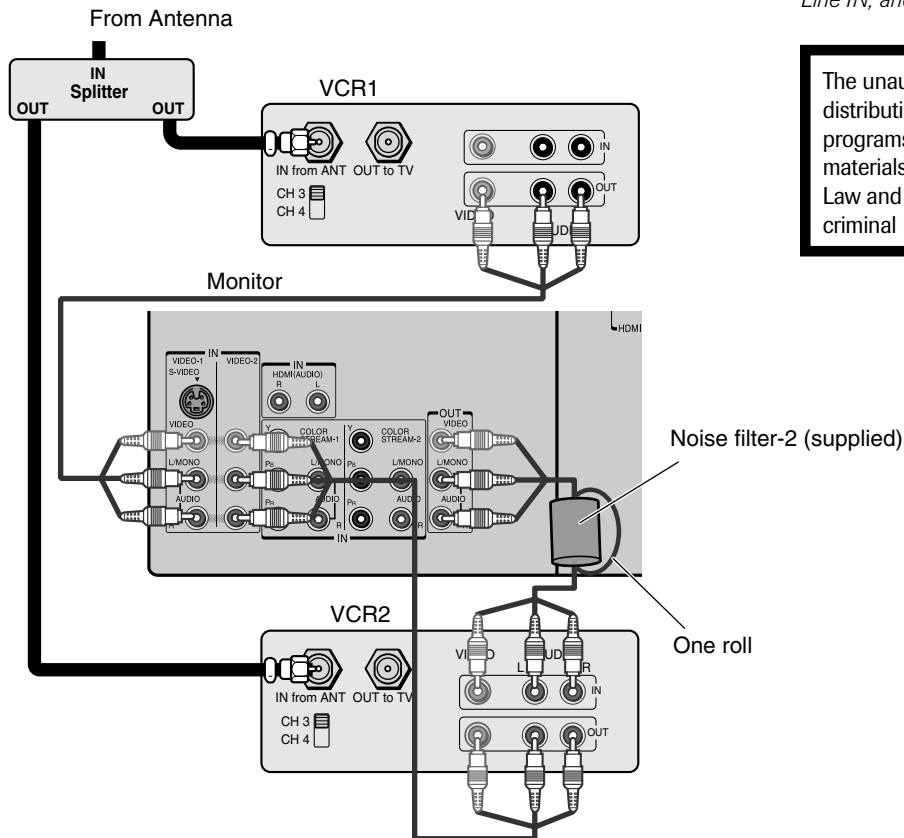
Connecting two VCRs

This connection allows you to record (dub/edit) from one VCR to another VCR while watching a videotape.

- To record one program while watching another, tune VCR1 to the channel to record, tune VCR2 to the channel to watch, and select VIDEO 2 on the monitor.

You will need:

- one signal splitter
- three coaxial cables
- three sets of standard A/V cables



Note:

If you have VCR (VCR1) with S-video, use S-video cables instead of standard video cables for better picture performance. Do not connect both a standard video cable and an S-video cable to Video-1 at the same time or the picture performance will be unacceptable.

Do not connect the same VCR to the output and input terminals is on the monitor at the same time. To dub or edit, VCR 2 must select Line IN, and the monitor must select VIDEO 1.

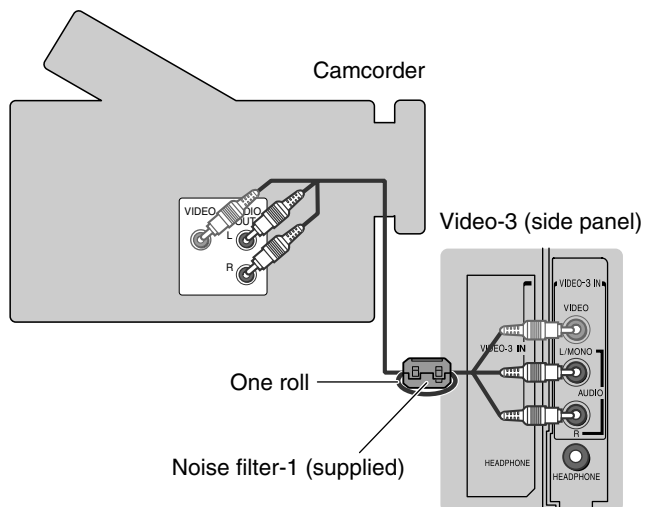
The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under Copyright Law and may subject you to civil and criminal liability.

Connecting a camcorder

This connection allows you to watch video materials recorded on a camcorder.

You will need:

- one set of standard A/V cables



Note:


If you have a camcorder with S-video, use an S-video cable instead of a standard video cable for better picture performance. Do not connect both a standard video cable and an S-video cable at the same time or the picture performance will be unacceptable.

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

The HDMI^[1] input on your monitor 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 1080i high-definition video signals, but will also accept and display 480i, 480p, and 720p signals.



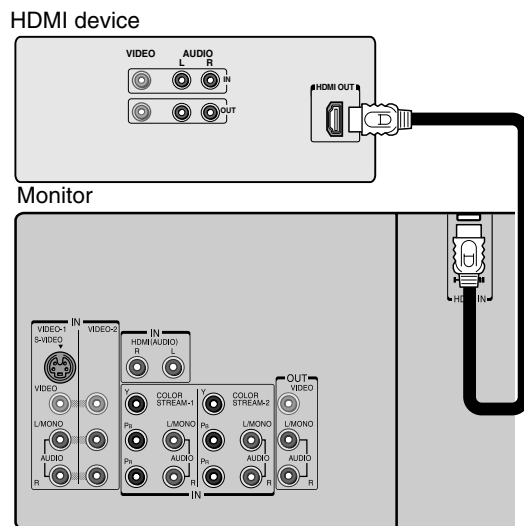
NOTE: NEVER CONNECT THIS MONITOR TO A PERSONAL COMPUTER (PC).
THIS MONITOR IS NOT INTENDED FOR USE WITH A PC.

To connect an HDMI device, you will need:

- one HDMI cable (type A connector)

For proper operation, it is recommended that you use a short HDMI cable.

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. However, if you connect analog audio cables with this connection, the HDMI terminal on the monitor will not receive the HDMI digital audio signal and you will hear analog audio only.



[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 monitor.**

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 monitor 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 monitor.*

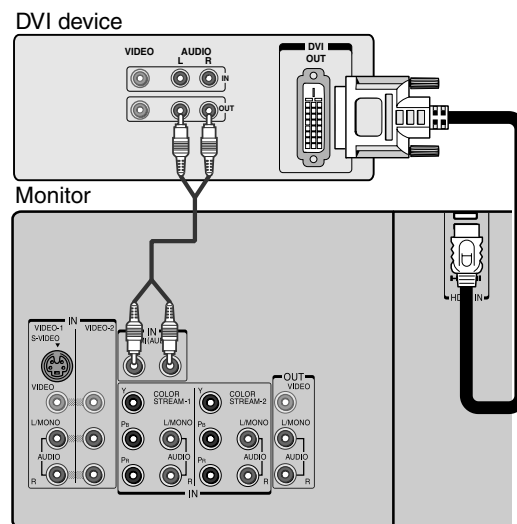
To connect a DVI device, you will need:

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

For proper operation, the length of the 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

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



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

Using the remote control

Preparing the remote control for use

Your monitor remote control can operate your monitor and many other devices such as cable converter boxes, satellite receivers, VCRs, DVD players, and HTIBs (home theater in a box), even if they are different brands.

If you have a Toshiba device:

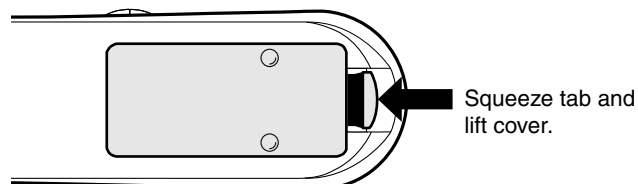
Your monitor remote control is preprogrammed to operate most Toshiba devices. See page 19.

If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate:

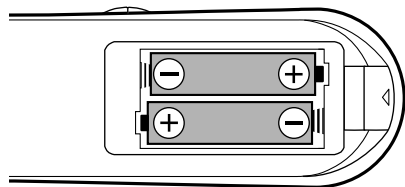
You can program the monitor remote control so it will operate the other device. See pages 20–21.

Installing the remote control batteries

1. Remove the battery cover from the back of the remote control.



2. Install two “AA” size batteries, making sure to match the + and – signs on the batteries to the signs on the battery compartment.



3. Reinsert the battery cover in the remote control until the tab snaps.

Note:

Your monitor's remote control may not operate certain features on your VCR or other electronic device.

Refer to the owner's manuals for your other devices to determine their available features.

If your monitor's remote control does not operate a specific feature on a device, use the remote control that came with the device.

Caution:

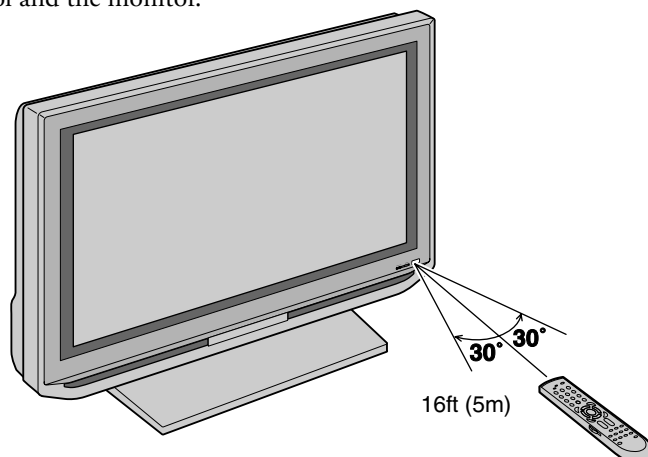
Never throw batteries into a fire.

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.

Remote control effective range

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



Learning about the remote control

The buttons used for operating the monitor only are described here.

POWER turns the monitor on and off.

RECALL displays monitor status information on-screen (page 43)

SLEEP sets the monitor to turn off at a specific time (page 40)

INPUT selects the video input source (page 38)

MUTE reduces or turns off the sound (page 41)

Device Switch switches among TV, CBL/SAT, VCR, and DVD modes (pages 18, 20, 21). Set to "TV" to control the monitor.

Numbers (0–9, 100) enters the numbers directly

VOL (volume) ▲ ▼ adjusts the volume level

MENU accesses the on-screen system (page 22)

ENTER activates the function settings in the menu (page 22)

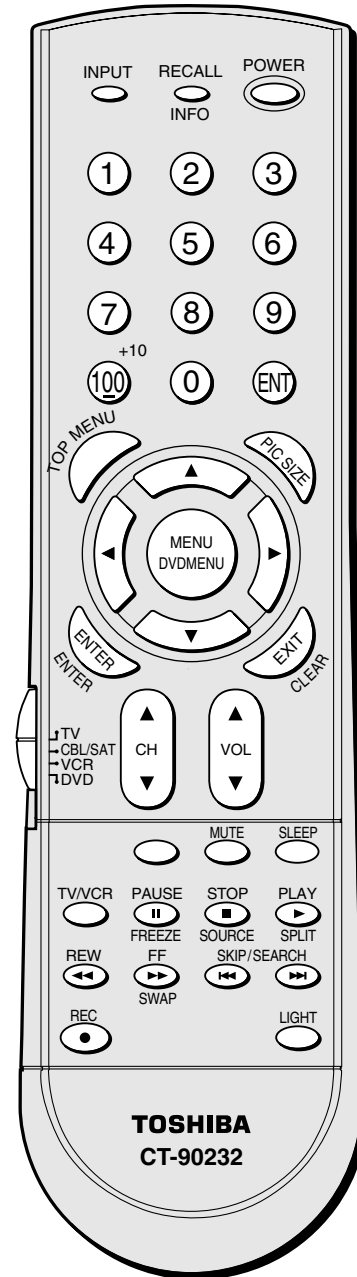
▲ ▼ ◀ ▶ (arrow) select or adjust items in the menus (page 22)

PIC SIZE cycles through the five picture sizes: Natural, TheaterWide1/2/3, and Full (page 24)

EXIT closes on-screen menus (page 22)

FREEZE freezes the picture. Press again to restore the moving picture.

LIGHT illuminates the keypad for five seconds



Note:

- The error message "Not Available" will appear if you press a key for a function that is not available.
- The SPLIT, SOURCE, and SWAP functions are not available for this monitor.

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Using the remote control to operate your other devices

If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate, you must first program the remote control to recognize the device (if you have not already done so). See pages 20 and 21.

To use your monitor remote control to operate a:

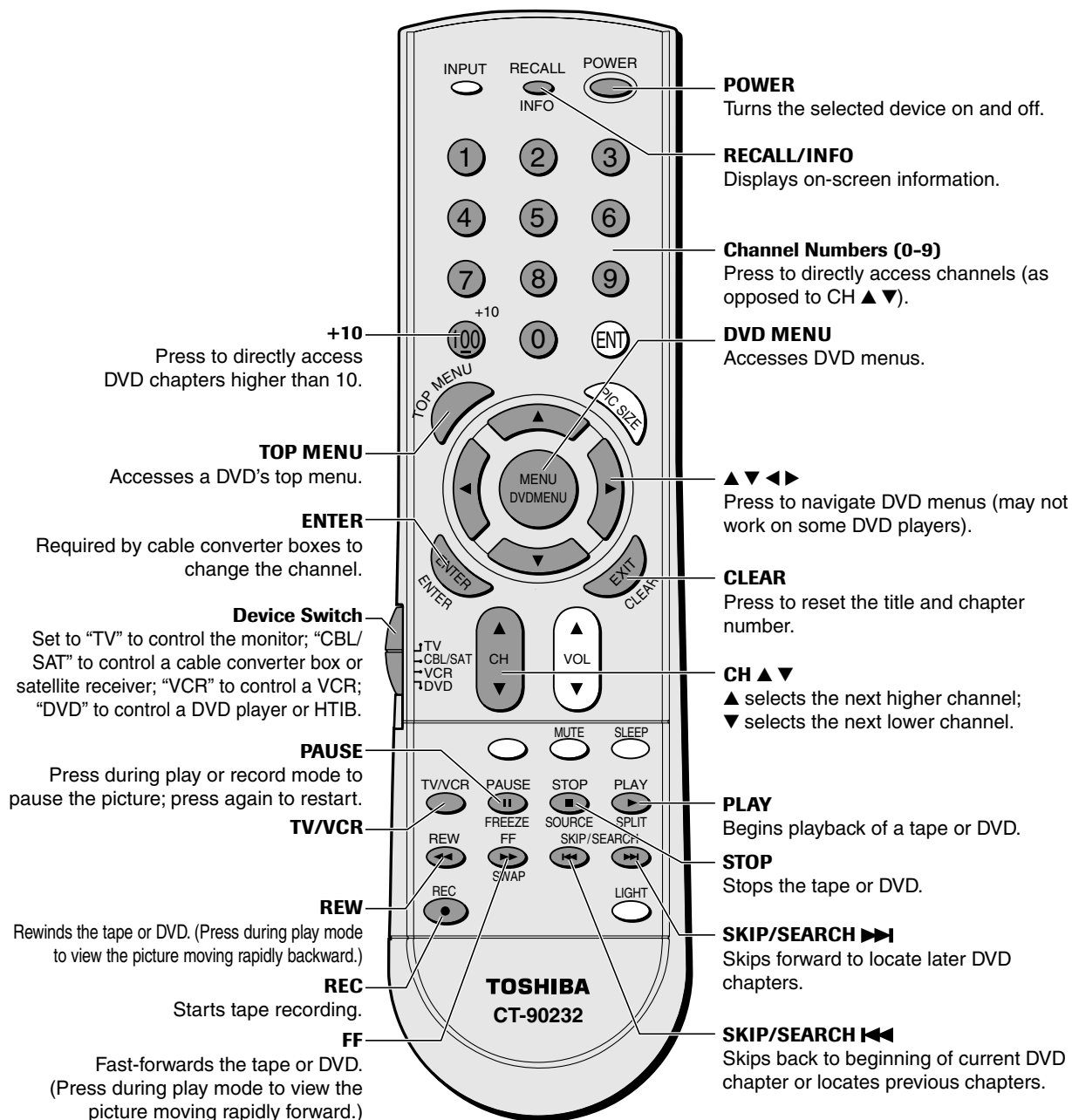
- Cable converter box or satellite receiver, set the **Device Switch** to CBL/SAT.
- VCR, set the **Device Switch** to VCR.
- DVD player or HTIB, set the **Device Switch** to DVD.

Note:

Even after the monitor remote control is programmed, it may not operate certain features on your other device. If this happens and you wish to use those features, you will need to use the device's original remote control.

Using the remote control

Point the remote control directly at the device.



Remote Control function key chart

Key Label	Monitor	Cable/Satellite	VCR	DVD
POWER	Power	Power	Power	Power
INPUT	Input	←	←	←
RECALL/INFO	On-screen display	INFO	---	On-screen display
1	Digit 1	Digit 1	Digit 1	Digit 1
2	Digit 2	Digit 2	Digit 2	Digit 2
3	Digit 3	Digit 3	Digit 3	Digit 3
4	Digit 4	Digit 4	Digit 4	Digit 4
5	Digit 5	Digit 5	Digit 5	Digit 5
6	Digit 6	Digit 6	Digit 6	Digit 6
7	Digit 7	Digit 7	Digit 7	Digit 7
8	Digit 8	Digit 8	Digit 8	Digit 8
9	Digit 9	Digit 9	Digit 9	Digit 9
0	Digit 0	Digit 0	Digit 0	Digit 0
100/-/+10	100	100/-	100	+10
ENT	---	---	---	---
TOP MENU	---	---	---	Top Menu
PIC SIZE	Selects the image shape.	---	---	---
ENTER/ENTER	Enter	Select	---	Enter
CLEAR/EXIT	Exit	Exit	---	Clear
◀▶/▲▼	Menu select	Menu select	---	Menu select
VOL▲▼	Volume up/down	←	←	←
CH▲▼	---	Channel up/down	Channel up/down	---
SLEEP	Sleep timer	---	---	---
MUTE	Sound mute	←	←	←
PLAY/SPLIT	POP Split	---	Play	Play
STOP/SOURCE	POP Source	---	Stop	Stop
PAUSE/FREEZE	Still picture	---	Pause	Pause
TV/VCR	---	---	TV/VCR	---
SKIP/SEARCH	---	---	Search- +	Skip FWD/REV
FF/SWAP	POP Swap	---	Fast FWD	Fast FWD
REW	---	---	Rewind	Rewind
REC	---	---	Record	---
LIGHT	Lights the remote keys.			

Note:

- "—" will send nothing.
- "←" same as left column.
- not available.

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Programming the remote control to operate your other devices

Your Toshiba monitor remote control is preprogrammed to operate most Toshiba devices. To program your monitor remote control to operate a non-Toshiba device (or a Toshiba device that it is not preprogrammed to operate), follow the steps below. For details on using the remote control to operate the device, see pages 18–19.

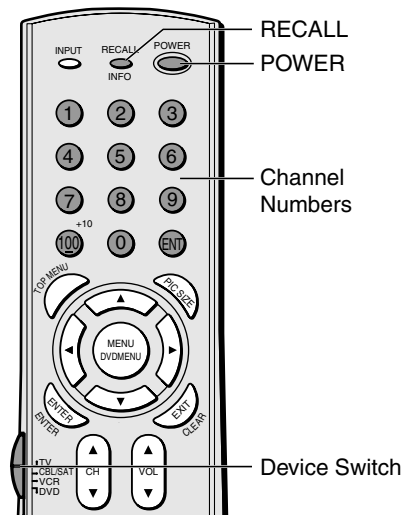
1. In the remote control code table (below and on the next page), find the code for your device. If more than one code is listed, try each one separately until you find one that works.
2. Set the Device Switch to the type of device you are programming the remote control to operate — **CBL/SAT** (for a cable converter box or satellite receiver), **VCR** (for a VCR or TV/VCR combo), or **DVD** (for a DVD player or HTIB [home theater in a box]).
3. While holding down **RECALL**, press the **Channel Number** buttons to enter the 3-digit code for your device.
4. To test the code, turn on the device, point the remote control at it, and press **POWER**. *See note at right.*
 - If the correct code was entered, the device will turn off.
 - If the device does not respond, repeat steps 1–4 using another code.
 - If the device does not respond to another code, you will need to use the remote control that came with the device.
5. Remember to set the **Device Switch** back to “TV” to control the monitor.
6. For future reference, write down the code(s) you used:

DEVICE	CODE	DEVICE	CODE

Remote control codes

In some cases you may not be able to operate your device with the monitor remote control. Your other device may use a code that is not recognized by the monitor remote control. If this happens, use the device’s remote control.

Cable converter box	ABC: 061, 062, 063, 082, 084, 087, 091, 092, 096, 098	Hamlin: 093	RCA: 064, 081	U. S. Electronics: 087, 096, 098	General Instruments: 010, 011, 012, 022, 023, 031, 049
	Archer: 065, 092, 097, 099	Jasco: 097	Realistic: 065	United Cable: 082	Hitachi: 033
	Cableview: 064, 094	Jerrold: 062, 069, 071, 082, 086, 089, 091, 096	Recoton: 102	Universal: 065, 092, 097, 099, 102, 103	Hughes: 033
	Century: 092	Magnavox: 072, 096	Samsung: 077, 090	Wards: 096	Hughes Network Systems: 019
	Citizen: 090, 092, 097	Memorex: 091, 092, 104	Scientific Atlanta: 063, 078, 079, 080, 088, 098, 101, 105		Intersat: 048
	Contec: 083, 085, 086, 088, 093, 098	Multi Canal: 090	Sears: 095	Satellite receiver	Janeil: 027
	Diamond: 093	Novavision: 101	Signature: 062	Alphastar: 038, 059	JVC: 017, 057
	Eagle: 091	Panasonic: 081, 083, 085	Signature 2000: 096	Chaparral: 034	Kenwood: 029
	GE: 061, 062	Philco: 087	Sprucer: 081, 085	DISH Network: 057	Magnavox: 060
	Gemini: 069, 070, 094	Philips: 066, 067, 068, 070, 072, 073, 074, 075, 091, 092	Starcom: 069, 082, 087, 096, 103, 104	Drake: 020, 040, 044, 046, 050, 053	Optimus: 058
	General Instruments: 062, 089, 096	Pioneer: 076, 077	Stargate: 069, 090	Echostar: 018, 041, 051	Pansat: 036, 052
		Proscan: 061, 062	Sylvania: 095, 100	Express Vu: 057	Primestar: 015, 042
		Radio Shack: 092, 097, 099	TeleView: 090	Fujitsu: 027	Proscan: 008, 009, 013
			Texscan: 100	GE: 008, 009, 013	Radio Shack: 022, 023, 030
			Tocom: 071, 084, 085		



Note:

- In addition to **POWER**, confirm that all necessary keys on the monitor 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.
- Every 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 “VCR1/VCR2.” 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 (“VCR1” or “VCR2”) and reprogram the remote control.

Remote control codes (cont.)

Satellite receiver (cont.)

RCA: 008, 009, 013, 016
 Realistic: 030
 Samsung: 059
 Sony: 014, 055
 Star Choice: 057
 Star Trak: 025, 026, 037, 054
 STS: 024
 Toshiba: 000, 001, 002, 003, 004, 005, 006, 007, 020, 031, 056
 Uniden: 021, 028, 030, 032, 035, 039, 043, 045, 047, 058
 Zenith: 027

TV/VCR Combo

Action: 078
 GE: 059, 062
 Goldstar: 065
 Panasonic: 065
 Precision: 078
 Quasar: 065
 Realistic: 079
 Sony: 074
 Toshiba: 057
 Totevision 009, 010, 065
 Zenith: 065

DVD/VCR Combo

Go Video:
 DVD=087, VCR=081
 JVC:
 DVD=088, VCR=082
 RCA:
 DVD=089, VCR=083
 Samsung:
 DVD=090, VCR=084
 Sanyo:
 DVD=091, VCR=085
 Zenith:
 DVD=092, VCR=086

DVD player

Aiwa: 006, 015
 Apex: 016, 017
 BOSE: 097
 Broksonic: 018
 Clarion: 019
 Classic: 020
 Daewoo: 021
 Denon: 022, 023, 024, 025
 Emerson: 026, 027
 Fisher: 028
 Funai: 027
 GE: 001, 029, 030
 Go Video: 087

GPX: 031
 Hitachi: 005, 032, 033, 034, 035
 JVC: 003, 007, 036, 042, 088
 Kenwood: 037
 Konka: 008, 009
 Magnavox: 004, 038
 Memorex: 039
 Mintek: 040
 NAD: 026
 Nakamichi: 041
 Norcent: 043
 Onkyo: 044
 Oritron: 058
 Panasonic: 010, 045, 046, 047, 048, 049, 050
 Philips: 004, 051
 Pioneer: 052, 053, 054, 055
 Proscan: 001, 056
 Qwestar: 057, 058
 RCA: 001, 002, 059, 089
 Sampo: 060
 Samsung: 061, 062, 086, 090
 Sansui: 073
 Sanyo: 063, 091
 Sharp: 064, 067
 Sherwood: 074
 Sony: 011, 012, 065, 066, 068, 069, 070
 Sylvania: 027
 Teac: 071
 Technics: 072
 Techwood: 075
 Toshiba: 000, 013, 076, 077, 078
 Yamaha: 079, 080, 081
 Zenith: 014, 082, 092

Portable DVD player

Aiwa: 093
 Audiovox: 094, 095
 Panasonic: 024, 096, 099
 RCA: 098

VCR

Admiral: 049
 Aiko: 019
 Aiwa: 018
 Akai: 003, 004, 037, 038, 039, 058, 069
 Audiovox: 010
 Bell & Howell: 007, 068
 Broksonic: 008, 017
 Calix: 010
 Carver: 026
 CCE: 019
 Citizen: 009, 010, 011, 012, 013, 014, 015, 019, 057, 073

Colortyme: 005
 Craig: 009, 010, 016, 061, 065, 079
 Curtis Mathes: 001, 005, 009, 012, 014, 040, 048, 053, 056, 057
 Daewoo: 011, 013, 015, 017, 018, 019, 057, 078
 Daytron: 078
 Denon: 063
 Dimensia: 001, 048
 Electrohome: 010, 020, 065
 Emerson: 003, 008, 010, 011, 017, 018, 020, 028, 039, 054, 057, 062, 065, 068, 072
 Fisher: 007, 016, 021, 022, 023, 057, 064, 068, 070, 071, 079
 Fuji: 004, 041
 Funai: 018, 073
 Garrard: 018
 GE: 001, 002, 009, 040, 042, 048, 056
 Go Video: 056, 059, 061, 081
 Goldstar: 005, 010, 014, 054, 056, 065, 067
 Gradiente: 018, 065
 Harman Kardon: 005
 Hitachi: 024, 025, 035, 037, 042, 063, 070, 080
 JBL: 076
 JC Penney: 005, 006, 007, 008, 009, 010, 023, 024, 025, 026, 035, 056, 061, 063, 065

Jensen: 024, 025, 037, 050
 JVC: 005, 006, 007, 014, 037, 043, 062, 063, 068, 082
 Kenwood: 005, 006, 007, 012, 014, 037, 043, 053, 068, 071
 Kodak: 010
 LG: 010
 Lloyds: 053, 073, 079
 Logik: 061
 LXI: 010
 Magnasonic: 061, 065, 078
 Magnavox: 026, 027, 034, 044, 057, 061, 072
 Marantz: 005, 006, 007, 012, 014, 026, 053, 067

Memorex: 007, 009, 010, 016, 018, 034, 049, 063, 065, 066, 068, 075, 079
 MGA: 020, 028, 039
 MGN: 056
 Minolta: 024, 025, 035, 063
 Mitsubishi: 020, 024, 025, 028, 039, 043, 065
 Montgomery Ward: 049
 Motorola: 049
 MTC: 009, 046, 061
 Multitech: 009, 012, 018
 NEC: 005, 006, 007, 012, 014, 037, 043, 053, 054, 067, 070
 Nikko: 010
 Noblex: 009
 Optimus: 010, 049, 065
 Optonica: 031
 Orion: 054, 057, 062, 065, 068, 072
 Panasonic: 036, 045, 046, 057, 061, 072, 079
 Pentax: 012, 024, 025, 035, 042, 053, 063
 Pentex Research: 014
 Philco: 026, 027, 063
 Philips: 026, 031, 044, 057
 Pioneer: 006, 024, 043, 055
 Portland: 012, 013, 015
 Proscan: 001, 002, 048
 Proton: 061
 Quasar: 045
 Radio Shack: 010, 031, 065
 Radio Shack/Realistic: 007, 009, 010, 016, 018, 020, 021, 022, 031, 049
 Radix: 010
 RCA: 001, 002, 003, 009, 024, 025, 029, 035, 040, 042, 045, 048, 055, 056, 063, 071, 083
 Realistic: 007, 009, 010, 011, 016, 018, 020, 021, 022, 031, 049, 051, 056, 060, 065, 075, 079
 Ricoh: 047
 Runco: 034
 Samsung: 009, 011, 038, 056, 073, 084
 Sansui: 006, 037, 043, 061

Sanyo: 007, 009, 016, 054, 064, 068, 071, 075, 079, 085
 Scott: 008, 011, 017, 028, 030, 057, 065, 072
 Sears: 007, 010, 016, 021, 022, 023, 024, 025, 035, 053, 057, 063, 064, 065, 068, 071, 075, 079
 Sharp: 013, 020, 031, 049, 051, 060, 066
 Shintom: 004, 025, 032, 061
 Signature: 049
 Signature 2000: 075
 Singer: 047, 061
 Sony: 004, 032, 033, 041, 052, 058, 070, 074, 076, 077, 080
 STS: 035
 Sylvania: 018, 026, 027, 028, 044, 072
 Symphonic: 018, 051, 053, 073, 079
 Tandy: 007
 Tashiko: 010
 Tatung: 037
 Teac: 018, 029, 037
 Technics: 036
 Teknika: 010, 018, 065
 Toshiba: 000, 011, 021, 023, 024, 028, 030, 039, 057, 074, 078, 079
 Totevision: 009, 010, 065
 Unitec: 073
 Unitech: 009
 Vector Research: 005, 006, 011, 012, 053
 Video Concepts: 005, 006, 011, 012, 039, 053
 Wards: 009, 010, 011, 016, 018, 020, 024, 025, 031, 035, 049, 051, 056, 057, 060, 065, 066, 079
 White Westinghouse: 073
 XR-1000: 018
 Yamaha: 005, 006, 007, 014, 037, 053
 Zenith: 004, 032, 034, 041, 047, 069, 086

HTIB

Lasonic: 083
 Panasonic: 084
 Venturer: 085

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Setting up your Monitor

Turning on the Monitor

Press POWER on the remote control or monitor. The Red LED indicator on the monitor will be illuminated. Press POWER again to turn off the Monitor.

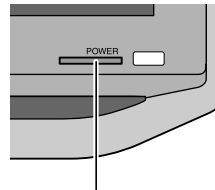
Learning about the menu system

After you have installed the batteries and programmed the remote control, you will need to set some preferences on the monitor by using the menu system. You can access the menu system using the buttons on the monitor or remote control.

1. Press MENU to display the menu system.
2. Press ◀ or ▶ to select a menu.
3. Press ▲ or ▼ to select an item.
4. Press ◀ or ▶ to select or adjust a setting.
5. Press ENTER to activate the settings or display the next menu.
6. To close a menu, press EXIT.

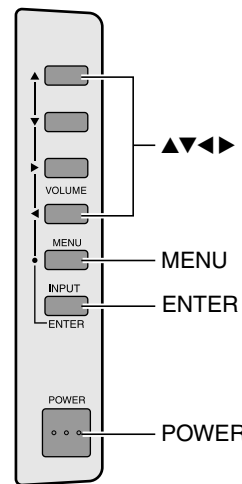
If you do not make a selection for a few seconds, the menu will close automatically.

Bottom right of monitor front

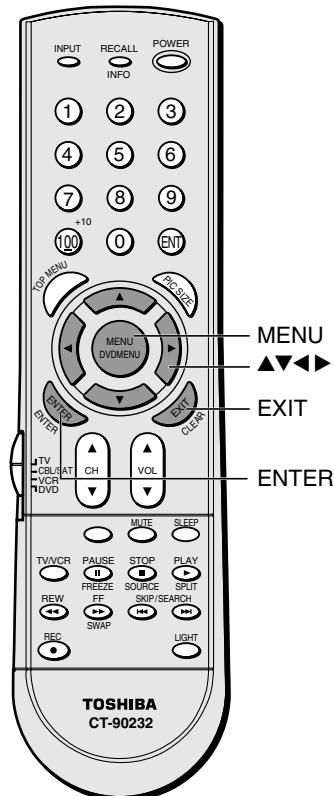
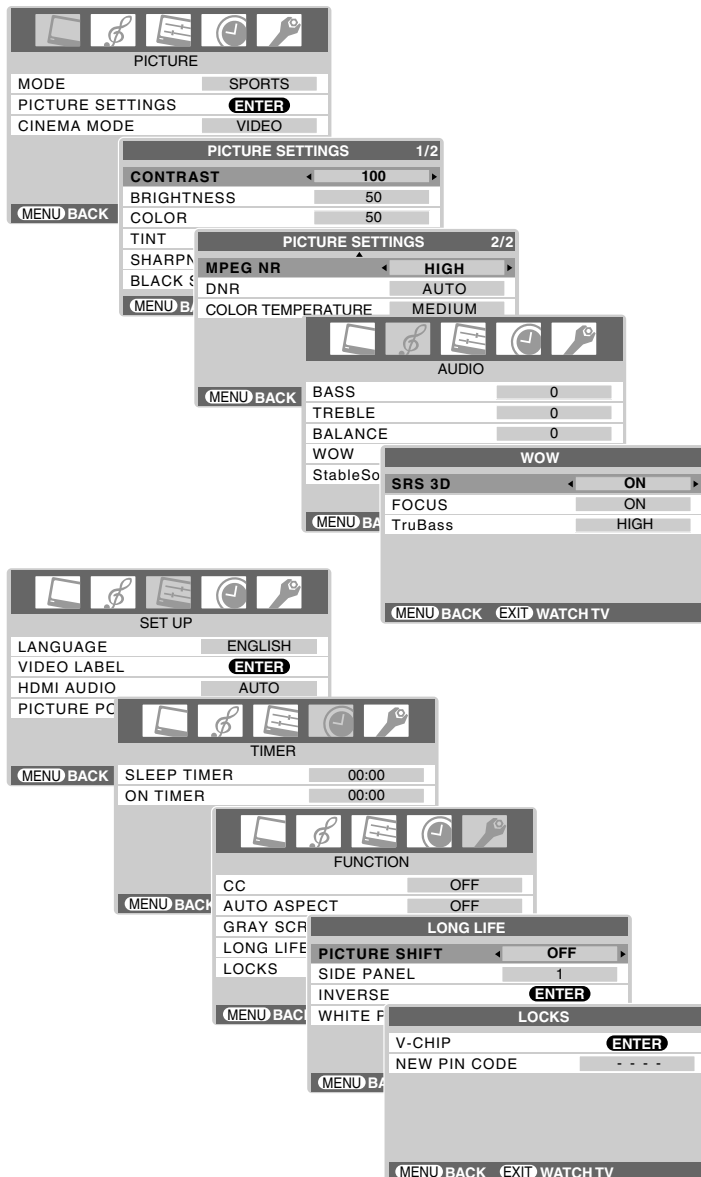


POWER Indicator

Monitor side panel



Setting up your Monitor

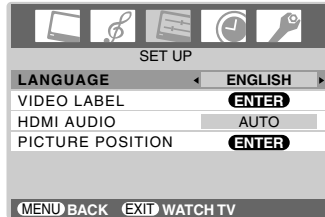


Changing the on-screen display language

You can choose from three different languages (English, French and Spanish) for the on-screen display of menus and messages.

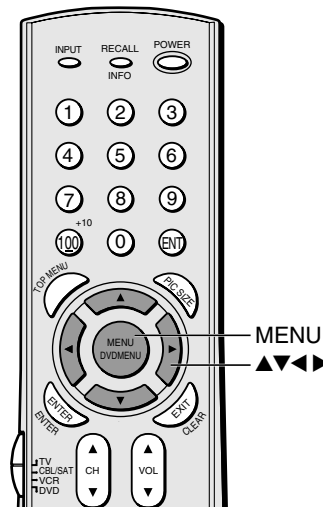
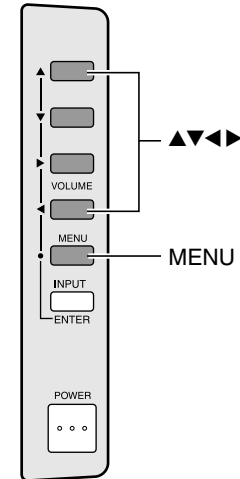
To select a language:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▲ or ▼ to highlight LANGUAGE.



3. Press ◀ or ▶ to display your desired language.

Monitor side panel



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Viewing the wide-screen picture formats

You can view 480i, 480p, 720p, and 1080i format programs in a variety of picture sizes—NATURAL, TheaterWide 1, TheaterWide 2, TheaterWide 3, and FULL.

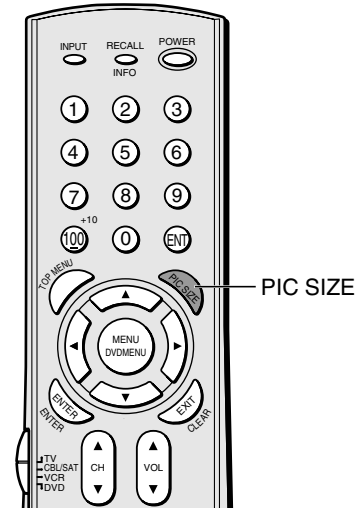
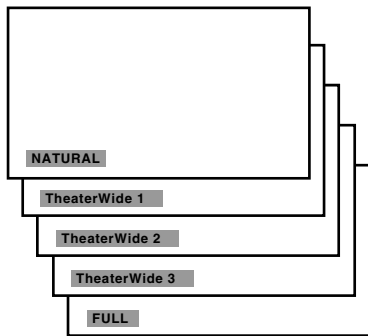
The way the image displays in any of the picture sizes will vary depending on the format of the program you are viewing. Select the picture size that displays the current program the way that looks best to you.

Signal \ Picture size	NATURAL	Theater Wide 1	Theater Wide 2	Theater Wide 3	FULL
480i	yes	yes	yes	yes	yes
480p	yes	yes	yes	yes	yes
720p	yes*	yes	yes	yes	no
1080i	yes*	yes	yes	yes	no

* Full picture size

Selecting the picture size

Repeatedly press PIC SIZE on the remote control to select the desired picture size, as described below and on the next page.



NOTICE OF POSSIBLE ADVERSE EFFECTS ON PLASMA DISPLAY

Avoid displaying stationary images on your Plasma display for extended periods of time. Fixed (non-moving) images (including, but not limited to, closed captions, video game patterns, TV station logos, stock tickers, and websites) and special formats that do not use the entire screen, can become permanently ingrained in the Plasma display and cause subtle, but permanent, ghost images.

This type of damage is NOT COVERED BY YOUR WARRANTY.

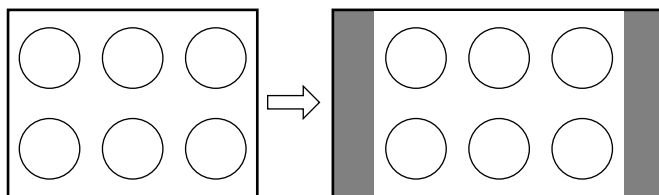
See pages 4 and 5 for details.

Operating your Monitor

NATURAL picture size

- The image is displayed close to its originally formatted proportion. Some program formats will display with side bars 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.



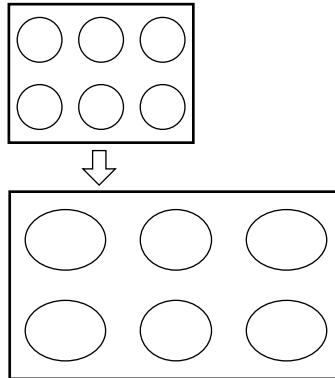
Conventional picture on a conventional monitor screen

Conventional picture in Natural size on your wide-screen monitor

(continued on next page)

TheaterWide 1 picture size (For 4:3 format programs)

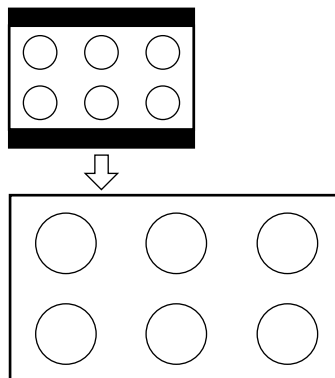
- The picture is non-uniformly enlarged—the center of the picture remains close to its original proportion, but the left and right edges are stretched wider to fill the screen.
- A small part of the picture at the top and bottom is hidden.



TheaterWide 1 picture size example

TheaterWide 2 picture size (For Letter box programs)

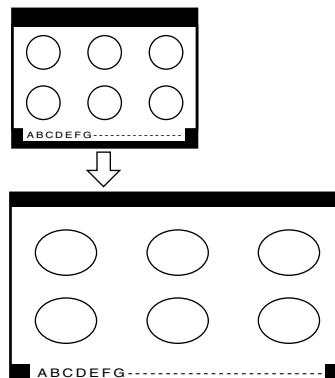
- The entire picture is uniformly enlarged—it is stretched the same amount both wider and taller (retains its original proportion).
- Part of the picture at the top and bottom is hidden.



TheaterWide 2 picture size example

TheaterWide 3 picture size (For Letter box programs with subtitles)

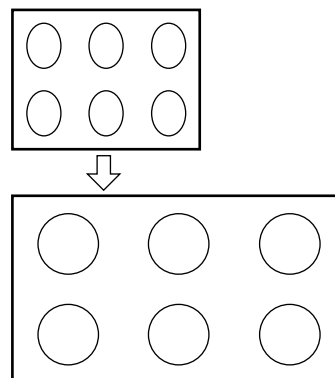
- The picture is stretched wider to fill the width of the screen, but only slightly stretched taller.
- A small part of the picture at the top and bottom is hidden.



TheaterWide 3 picture size example

FULL picture size (For 16:9 format programs)

- If you are receiving a 4:3 format program, the picture is stretched wider to fill the width of the screen, but not stretched taller.
- None of the picture is hidden.



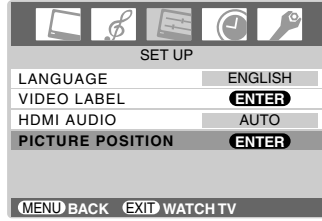
FULL picture size example

Note

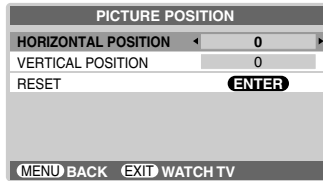
Using these functions to change the picture size (i.e., changing the height/width ratio) for any purpose other than your private viewing may be prohibited under Copyright Law and may subject you to civil and criminal liability.

Adjusting the PICTURE POSITION

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▲ or ▼ to highlight PICTURE POSITION, and then press ENTER. The PICTURE POSITION menu appears.



3. Press ▲ or ▼ to highlight the item you want to adjust.



4. Press ◀ or ▶ to adjust the settings as required.



- The display will return to the previous menu after 4 seconds if no button is pressed.

Selection	◀ Pressing	▶
HORIZONTAL POSITION	Moves picture left	Moves picture right
VERTICAL POSITION	Moves picture down	Moves picture up

To reset to the factory-set status:

Follow steps 1-3 above, highlight RESET in step 3, and then press ENTER.

Using the AUTO ASPECT feature

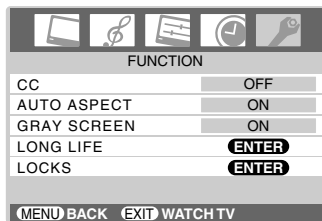
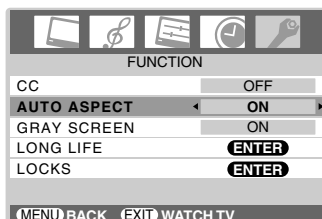
When the AUTO ASPECT feature is set to ON and the monitor receives a 480i signal, the picture size is automatically selected (as described in the following table).

Aspect ratio of signal source	Automatic aspect size (automatically selected when AUTO ASPECT is ON)
4:3 Normal	Natural
16:9 Full	Full
4:3 Letter box	TheaterWide 2
Not defined (no ID-1 data)*	User-set mode

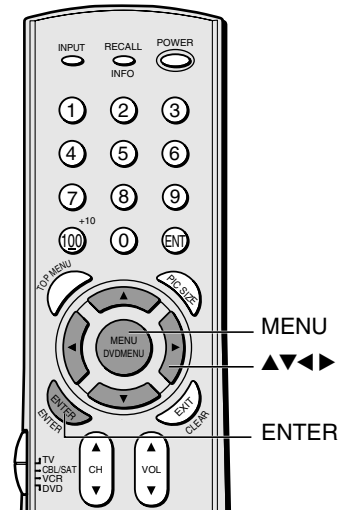
*If the signal does not include aspect information, the picture size you selected on pages 24–25 is displayed.

To turn on the AUTO ASPECT feature:

1. Press MENU, and then press ◀ or ▶ until the FUNCTION menu appears.
2. Press ▲ or ▼ to highlight AUTO ASPECT.

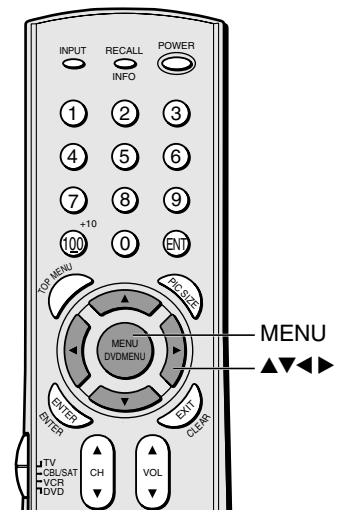


3. Press ◀ or ▶ to select ON.



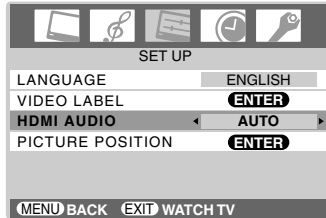
Note:

The AUTO ASPECT feature is available for additional formats when viewing HDMI sources because AUTO ASPECT operates based on information found in the digital HDMI signal (not ID-1 signal).



Setting the HDMI audio mode

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▼ or ▲ to highlight HDMI AUDIO.
3. Press ◀ or ▶ to select the HDMI audio mode: AUTO, DIGITAL, or ANALOG (AUTO is recommended). See “Connecting an HDMI™ or a DVI device to the HDMI input” on page 15.

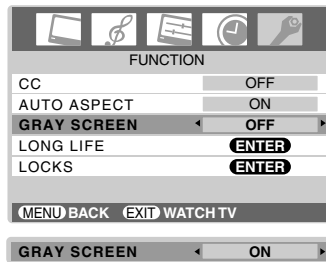


Using the gray screen function

With the gray screen function ON, the screen will automatically turn gray and the sound will be muted when no signal is being received.

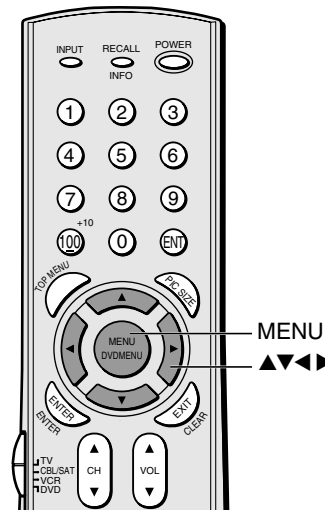
To turn on the gray screen function:

1. Press MENU, and then press ◀ or ▶ until the FUNCTION menu appears.
2. Press ▲ or ▼ to highlight GRAY SCREEN.
3. Press ◀ or ▶ to select ON.



To turn off the gray screen function:

Select OFF in step 3 above.



Using the long life feature

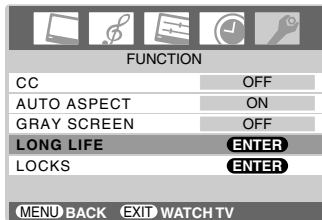
The long life settings (Picture shift, Side panel, Inverse, and White pattern) help to reduce the risk of phosphor burn-in of the plasma screen.

Picture shift

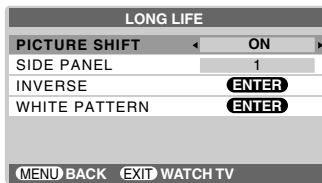
With picture shift set to on, the picture imperceptibly moves around the screen intermittently to reduce the risk of phosphor burn-in of the plasma screen.

To activate the picture shift feature:

1. Press MENU, and then press ◀ or ▶ until the FUNCTION menu appears.
2. Press ▲ or ▼ to highlight LONG LIFE.



3. Press ENTER to display the LONG LIFE menu.
4. Press ▲ or ▼ to highlight PICTURE SHIFT, and then press ◀ or ▶ to select ON.



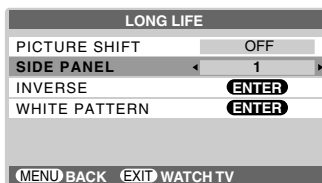
To deactivate the picture shift feature:
Select OFF in step 3 above.

Side panel

The side panel feature will set the side panels to three different levels of darkness. Side panels are the blank spaces on either side of a 4:3 viewing area. Lowering the darkness of the side panels will help reduce screen burn in.

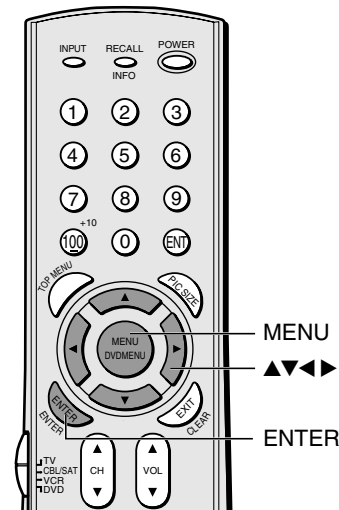
To set the gray level of the side panels:

1. From the LONG LIFE menu, press ▲ or ▼ to highlight SIDE PANEL.
2. Press ◀ or ▶ to select your desired level of darkness. (1- Black, 2- Dark Gray or 3- Gray).



Note:

To reduce the risk of phosphor burn-in, the default setting for the Picture shift function is ON.



Note:

- This will not affect video being viewed in 16:9
- When receiving a signal which shows the sidebars (4:3 contents by 1080i or 720p signal, etc), the gray level will not be applied to the sidebars.

NOTICE OF POSSIBLE ADVERSE EFFECTS ON PLASMA DISPLAY

Avoid displaying stationary images on your Plasma display for extended periods of time. Fixed (non-moving) images (including, but not limited to, closed captions, video game patterns, TV station logos, stock tickers, and websites) and special formats that do not use the entire screen, can become permanently ingrained in the Plasma display and cause subtle, but permanent, ghost images.

This type of damage is NOT COVERED BY YOUR WARRANTY.

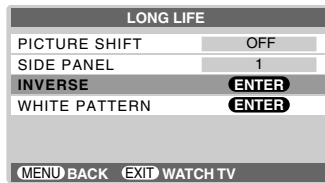
See pages 4 and 5 for details.

Inverse

The picture is displayed alternately between positive image and negative image to reduce the risk of phosphor burn-in of the screen. This function is effective for a still pattern image.

To activate the inverse:

1. Press MENU and then press ◀ or ▶ until the FUNCTION menu appears.
2. Press ▲ or ▼ to highlight LONG LIFE.
3. Press ENTER to display the LONG LIFE menu.
4. Press ▲ or ▼ to highlight INVERSE, and then press ENTER.



5. The following message will appear.



Press ENTER.

The positive image and negative image will alternate.

To return to the normal picture:

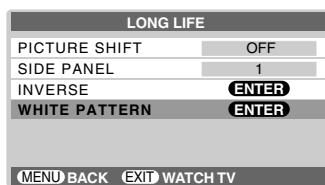
Press any button.

White pattern

A white pattern is displayed on the whole screen.

To display the white pattern:

1. Press MENU and then press ◀ or ▶ until the FUNCTION menu appears.
2. Press ▲ or ▼ to highlight LONG LIFE.
3. Press ENTER to display the LONG LIFE menu.
4. Press ▲ or ▼ to highlight WHITE PATTERN, and then press ENTER.



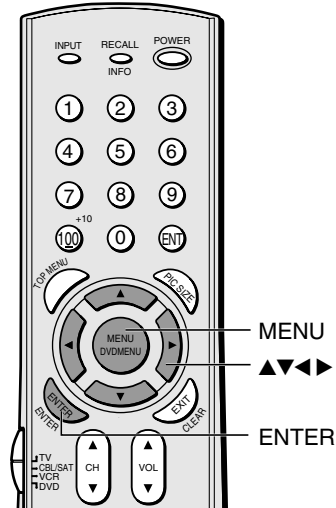
5. The following message will appear.



Press ENTER.

To return to the normal picture:

Press any button.

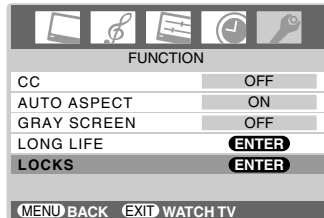


Using the LOCKS menu

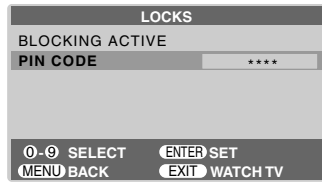
The LOCKS menu includes the V-Chip and New PIN Code functions. You can use these functions after entering the correct PIN code.

Entering the PIN code

1. Press MENU, and then press ◀ or ▶ until the FUNCTION menu appears.
2. Press ▲ or ▼ to highlight LOCKS, and then press ENTER.



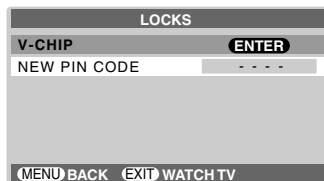
3. The PIN CODE entering menu appears.
 - Blocking Reset status: Set a new 4-digit code by pressing the Number buttons (0–9).
 - When the PIN code is already stored: Press the Number buttons (0–9) to enter your 4-digit PIN code.



If the wrong PIN code is entered, the message “Incorrect” appears. Enter your code again, and then press ENTER.

If you cannot remember your PIN code

1. While the PIN code entering screen is displayed, press RECALL four times within five seconds. The PIN code will be released (Blocking Reset status restored).
2. Set a new 4-digit code, and then press ENTER. The LOCKS menu appears.



Continue to set each item following the steps on page 31.

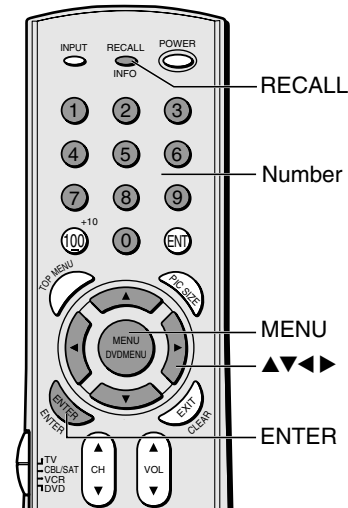
Using the V-CHIP menu

Some TV programs and movies include signals that classify the content of the program (violence, sex, dialog, language). The V-CHIP control feature in this TV detects the signals and blocks the programs according to your selections. To use this feature, perform the following setup.

(continued on next page)

Note:

The V-Chip function is available for the U.S. V-Chip system only. The Canadian V-Chip system is not supported.

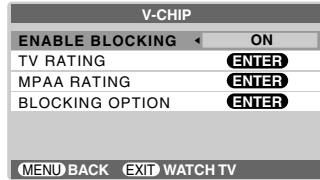


ENABLE BLOCKING

- From the LOCKS menu, press ▼ or ▲ to highlight V-CHIP, and then press ENTER.

The V-CHIP menu appears.

- Press ▼ or ▲ to highlight ENABLE BLOCKING.



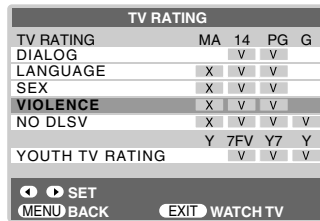
- Press ◀ or ▶ to select ON or OFF.
ON : To enable your setting (Lock)
OFF: To release your setting (Unlock)

TV RATING (Independent rating system for broadcasters)

- From the V-CHIP menu, press ▼ or ▲ to highlight TV RATING, and then press ENTER.

The TV RATING menu appears.

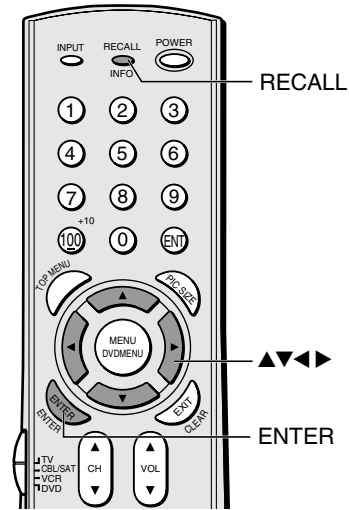
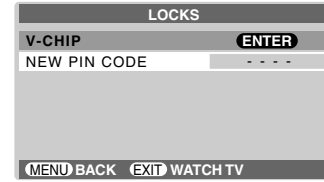
- Press ▼ or ▲ to select an item.
- Press ▶ to lock (displays “X”).
Press ◀ to unlock (displays “✓”).
- Repeat steps 2 and 3 to set the next item.



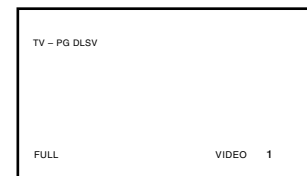
The TV age-based ratings and content themes you can lock are listed in the table below.

Ratings	Description and Content themes
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
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
PG	Parental Guidance Suggested (This program contains material that parents may find unsuitable for younger children.) D) Some suggestive dialog L) Infrequent coarse language S) Some sexual situations V) Moderate violence
G	General Audience (Most parents would find this program suitable for all ages.)
Y7, 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.)
Y	All Children (This program is designed to be appropriate for all children.)

LOCKS menu

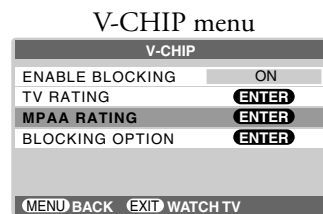
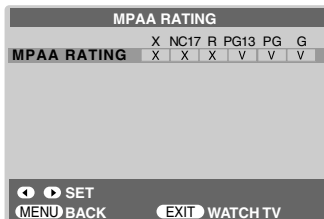


Press RECALL to display the rating of the TV program you are currently watching.



MPAA RATING (Independent rating system for movies)

1. From the V-CHIP menu, press ▼ or ▲ to highlight MPAA RATING, and then press ENTER. The MPAA RATING menu appears.
2. Press ► to lock (“X”) or press ◀ to unlock (“✓”).



The movie ratings you can lock are described as follows:

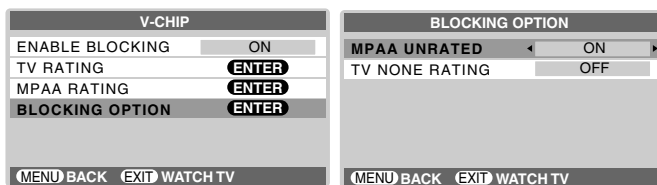
- X : X-rated (For adults only)
- NC17: Not intended for anyone 17 and under
- R : Restricted (Under 17 requires accompanying parent or adult guardian.)
- PG13 : Parents Strongly Cautioned (Some material may be inappropriate for children under 13.)
- PG : Parental Guidance Suggested (Some material may not be suitable for children.)
- G : General Audience (Appropriate for all ages)

BLOCKING OPTION

1. From the V-CHIP menu, press ▼ or ▲ to highlight BLOCKING OPTION, and then press ENTER. The BLOCKING OPTION menu appears.
2. Press ▲ or ▼ to select an item.

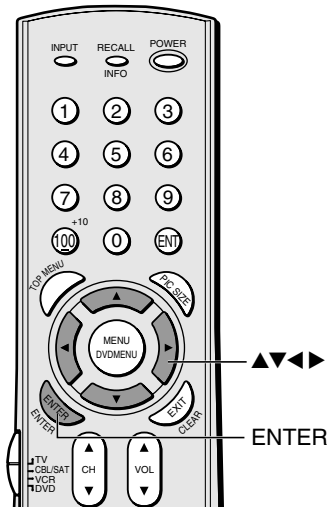
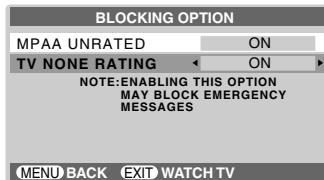
MPAA UNRATED :

1. Highlight MPAA UNRATED.
2. Press ◀ or ► to select ON (Lock) or OFF (Unlock) for unrated programs in the MPAA rating system.



TV NONE RATING :

1. Highlight TV NONE RATING.
2. Press ◀ or ► to select ON (Lock) or OFF (Unlock) for programs rated NONE in the TV PARENTAL GUIDELINES.

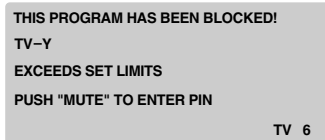


Caution:

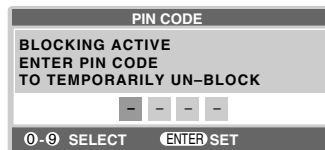
Be aware that setting the TV None Rating to ON may block the broadcast of emergency information. The menu will display the note, “Enabling this option may block emergency messages” to warn you of this possibility.

Unlocking programs temporarily

1. If you try to watch a TV program that exceeds the rating limits you set, the monitor enters program lock mode. You can either unlock the program temporarily (see steps 2–4 below) or select an unlocked program to watch.



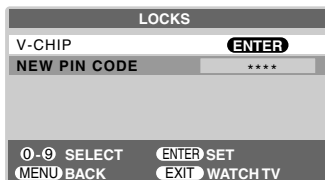
2. To temporarily unlock the program, press MUTE while the message is on-screen.
3. Press the Number buttons (0–9) to enter your 4-digit PIN code.



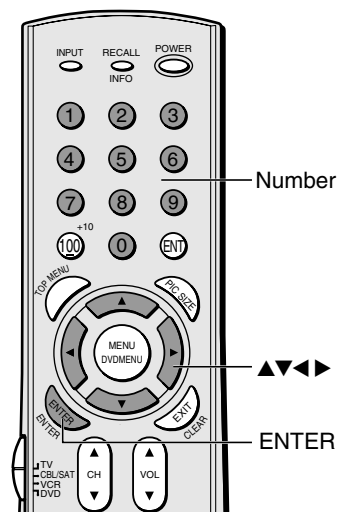
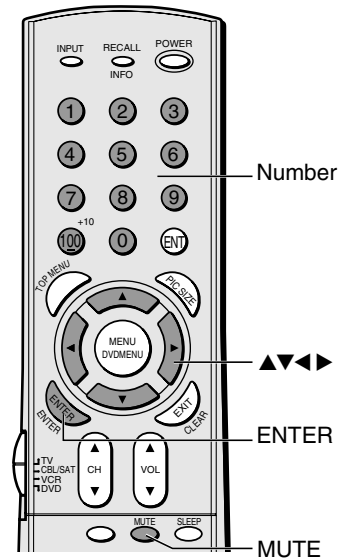
4. Press ENTER.
If the correct code is entered, the program lock mode is released and the normal picture appears.
All locking is disabled until the monitor is turned off, and will be enabled when the monitor is turned on again.

Changing the PIN code

1. From the LOCKS menu, press ▲ or ▼ to highlight NEW PIN CODE.
2. Press the Number buttons (0–9) to enter a 4-digit code. The numbers you enter will replace the dashes in the display.



3. Press ENTER.
The new PIN code is now active.



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Adjusting the picture

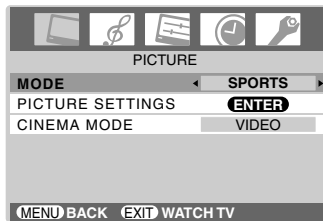
Selecting the picture mode

You can select your desired picture type from four picture modes: Sports, Standard, Movie, and Preference.

Mode	Picture Quality
Sports	Bright and dynamic picture (factory setting)
Standard	Standard picture setting (factory setting)
Movie	Movie-like picture setting (factory setting)
Preference	Your personal preferences

To select the picture mode:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight MODE.



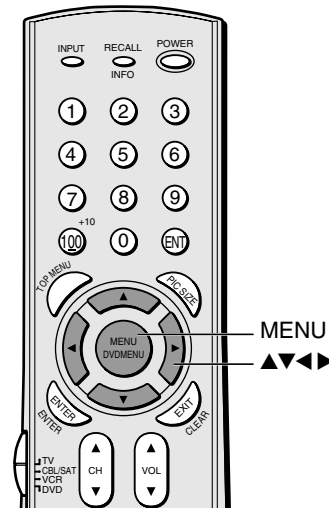
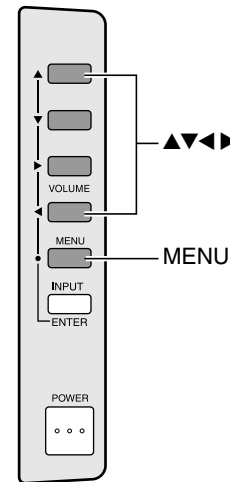
3. Press ◀ or ▶ to select the mode you prefer.



Note:

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), the picture mode automatically changes to PREFERENCE in the Picture menu.

Monitor side panel



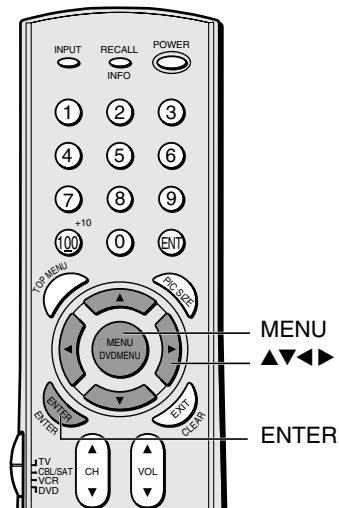
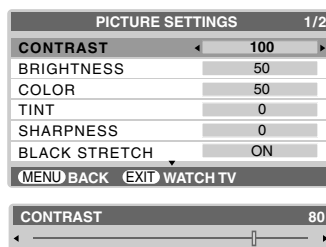
Adjusting the picture quality

You can adjust the picture quality to your personal preferences, including the contrast, brightness, color, tint, sharpness, black stretch, and color temperature.

Selection	◀ Pressing ▶
contrast	lower higher
brightness	darker lighter
color	paler deeper
tint	reddish greenish
sharpness	softer sharper
Black stretch	On/Off Off/On
color temperature	cool medium warm

To adjust the picture quality:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight PICTURE SETTINGS, then press ENTER. The PICTURE SETTINGS menu appears.
3. Press ▲ or ▼ until the item you want to adjust is highlighted.
4. Press ◀ or ▶ to adjust the level.



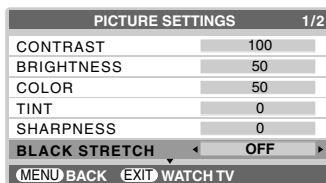
The picture qualities you adjusted will be saved in the monitor's memory (in the picture menu PREFERENCE mode). You can select the PREFERENCE MODE (your settings) or choose one of the factory-set modes, as described under "Selecting the picture mode" on page 34.

Using the black stretch feature

You can use the black stretch feature to correct the contrast balance in the black areas of the picture. The effect depends on the quality of the video signal.

To turn on the black stretch feature:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER. The PICTURE SETTINGS menu appears.
3. Press ▲ or ▼ to highlight BLACK STRETCH.

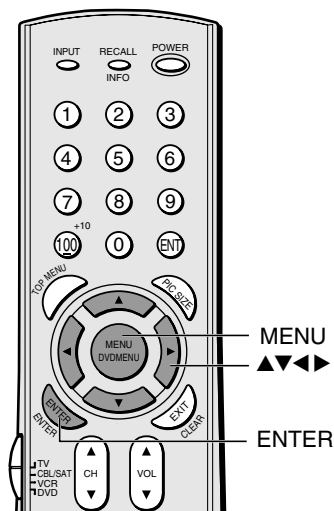


4. Press ◀ or ▶ to select ON.



To turn off the black stretch feature:

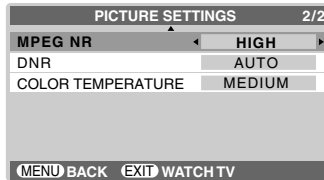
Select OFF in step 4 above.



Using the MPEG NR feature

The MPEG NR (noise reduction) feature allows you to reduce visible interference caused by MPEG compression.

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER. The PICTURE SETTINGS menu appears.
3. Press ▲ or ▼ to highlight MPEG NR.



4. Press ◀ or ▶ to select LOW, MIDDLE, HIGH, or OFF.

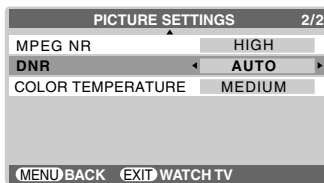


Using the DNR feature

DNR (digital noise reduction) reduces visible interference in your monitor picture. This is useful when receiving a broadcast with a weak signal or playing a video cassette or disc damaged by repeated use.

To turn on DNR:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER. The PICTURE SETTINGS menu appears.
3. Press ▲ or ▼ to highlight DNR.



4. Press ◀ or ▶ to select LOW, MIDDLE, HIGH, or AUTO.

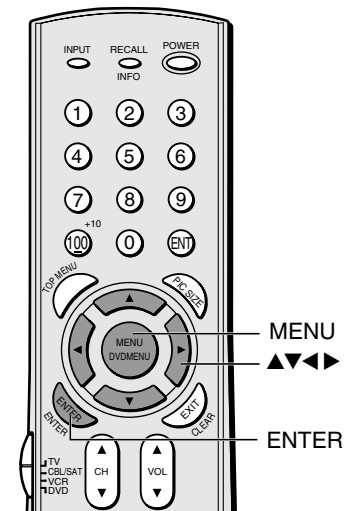


To turn off DNR:

Select OFF in step 4 above.

Note:

The MPEG NR feature is enabled for 480i signals only.



Note:

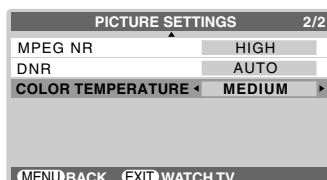
- The DNR feature works with 480i input sources only.
- DNR is not selectable in HDMI mode.

Selecting the color temperature

You can change the quality of the picture by selecting from three preset color temperatures: cool, medium, and warm.

To select the color temperature:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight PICTURE SETTINGS, and then press ENTER. The PICTURE SETTINGS menu appears.
3. Press ▲ or ▼ to highlight COLOR TEMPERATURE.



4. Press ◀ or ▶ to select the mode you prefer, as described in the following table.

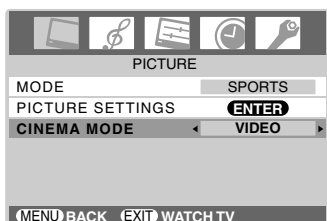
Mode	Picture Quality
cool	bluish
medium	neutral
warm	reddish

Selecting the cinema mode

When you view a DVD movie (3:2 pulldown processed) from a DVD player connected to the ColorStream (component video) inputs on the monitor, smoother and more natural motion can be obtained by setting the CINEMA MODE to FILM.

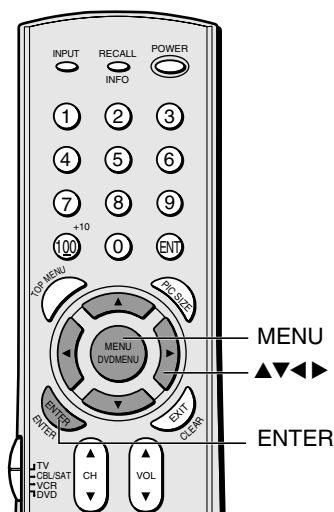
To set the CINEMA MODE to FILM:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight CINEMA MODE.
3. Press ◀ or ▶ to select FILM.



To turn off the CINEMA MODE:

Press ◀ or ▶ to select VIDEO in step 3 above.



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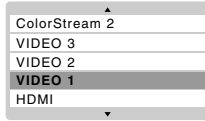
Index

Selecting the video input source

Press INPUT on the remote control or the monitor top panel to view a signal from another device connected to your monitor, such as a VCR or DVD player. You can select VIDEO 1, VIDEO 2, VIDEO 3, ColorStream 1, ColorStream 2, or HDMI depending on which input jacks you used to connect your devices (see “Connecting your monitor” on page 9).

To select the video input source using the program list:

1. Press and hold INPUT for a few seconds to display the program list.



2. Repeatedly press or hold INPUT or ▲ or ▼ while the program list is on-screen to scroll through the program list.
3. When your desired video input mode is highlighted, press ENTER.

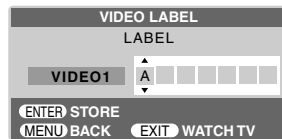
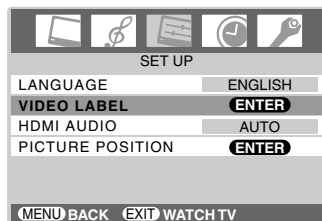
Labeling the video input sources

The video label feature allows you to label each input source for your TV from the following preset list of labels:

- : Uses the default label name
- VCR : Video cassette recorder
- DVD : DVD video
- DTV : Digital TV set-top box
- SAT : Satellite box
- CBL : Cable box

To label the video input sources:

1. Press INPUT to select the video source you want to label.
2. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
3. Press ▲ or ▼ to highlight VIDEO LABEL.
4. Press ENTER to display the VIDEO LABEL menu.
5. Press ▶ to select a character for the first space.
6. Press ▲ or ▼ to select the desired character.
7. Repeat steps 5 and 6 to enter the rest of the characters.
8. Finish labeling the other video input sources as desired.
9. Press ENTER to store your settings.
10. To return to the previous menu, press MENU.
11. To exit the menu, press EXIT.



Note:

When HDMI, ColorStream 1, ColorStream 2 is selected, the VIDEO OUT jack does not output a signal. To receive a VIDEO OUT signal, you must use a standard video or S-video IN connection.

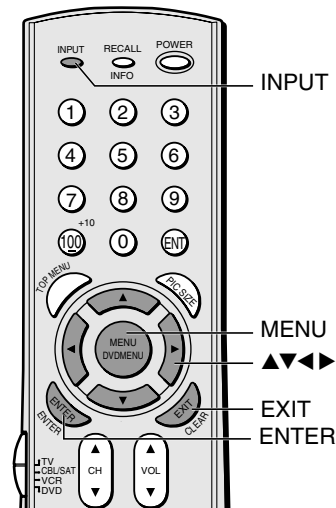
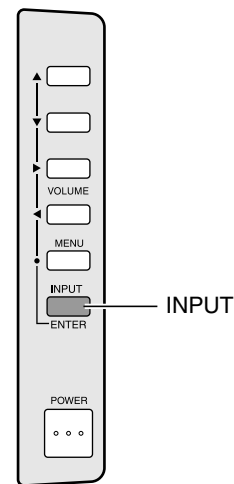
Please note the following regarding the HDMI source selection:

NOTE: NEVER CONNECT THIS MONITOR TO A PERSONAL COMPUTER (PC).

This monitor is not intended for use with a PC.

See “Connecting an HDMI or a DVI device to the HDMI input” on page 15 for details.

Monitor side panel



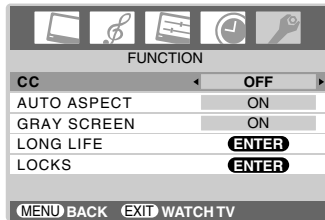
Using the closed caption feature

The closed caption feature has two options:

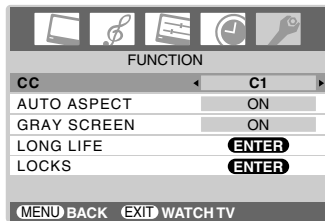
- Captions—An on-screen display of the dialogue, narration, and sound effects of TV programs and videos that are closed captioned (usually designated as “CC” in program listings).
- Text—An on-screen display of information not related to the current program, such as weather or stock data (when provided by individual stations).

To view captions or text:

1. Tune the monitor to the desired program.
2. Press MENU, and then press ◀ or ▶ to display the FUNCTION menu.
3. Press ▲ or ▼ to highlight CC.



4. Press ◀ or ▶ to highlight C1-C4 or T1-T4.



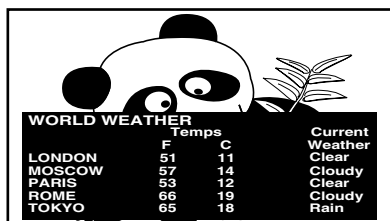
- To view captions, highlight C1, C2, C3, or C4 (C1 displays captions in the primary language in your area).

Note: If the program or video you selected is not closed captioned, the captions will not display on-screen.

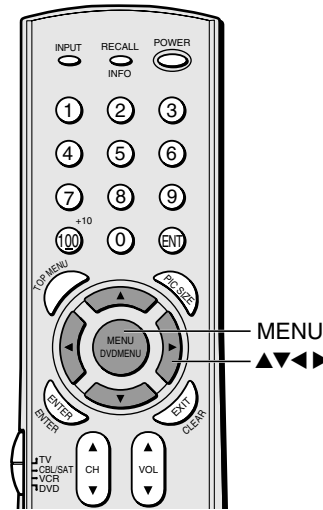


- To view text, highlight T1, T2, T3, or T4.

Note: If text is not available in your area, a black rectangle may appear on your screen. If this happens, turn the Closed Caption feature OFF.



To turn off the Closed Caption feature:
Highlight OFF in step 4.



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 nonstandard

NOTICE OF POSSIBLE ADVERSE EFFECTS ON PLASMA DISPLAY

Avoid displaying stationary images on your Plasma display for extended periods of time. Fixed (non-moving) images (including, but not limited to, closed captions, video game patterns, TV station logos, stock tickers, and websites) and special formats that do not use the entire screen, can become permanently ingrained in the Plasma display and cause subtle, but permanent, ghost images.

This type of damage is NOT COVERED BY YOUR WARRANTY.

See pages 4 and 5 for details.

Setting the sleep timer

To use the remote control to set the sleep timer to turn off the monitor automatically:

1. Press SLEEP to set the length of time until the monitor turns off.

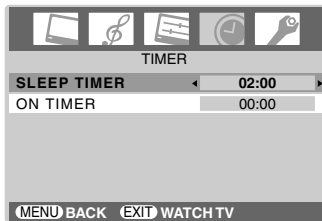


Every time you press SLEEP, the time display will increase by 10 minutes, up to 3 hours.

00h00m → 00h10m → 00h20m - - - - → 02h50m → 12h50m
→ 00h00m

To use the menu system to set the sleep timer:

1. Press MENU, and then press ◀ or ▶ until the TIMER menu appears.
2. Press ▲ or ▼ to highlight SLEEP TIMER.



3. Press the Number buttons (0–9) or ◀ or ▶ button to enter the length of time until the monitor turns off automatically.
4. Press EXIT to start the timer.

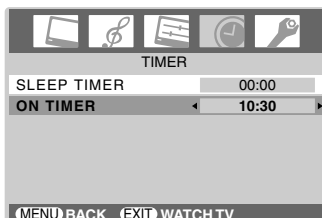
To cancel the sleep timer:

Press SLEEP until it is set to 00h00m.

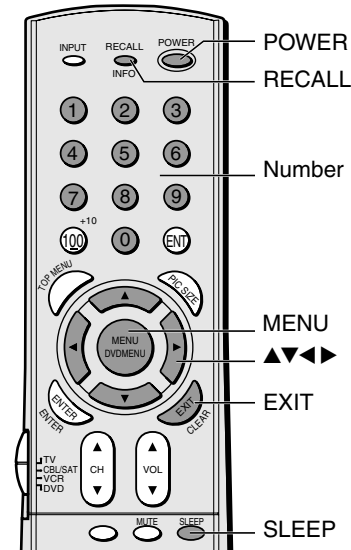
Setting the ON timer

To set the ON timer to turn on the monitor automatically:

1. Press MENU, and then press ◀ or ▶ until the TIMER menu appears.
2. Press ▲ or ▼ to highlight ON TIMER.
3. Press the Number buttons (0–9) or the ◀ or ▶ buttons to enter the length of time until the monitor turns on automatically.
You can set the ON timer in 10-minute increments, up to 12h50m.
4. Press EXIT. (The ON timer will start.)



5. Press POWER to turn off the monitor.
The monitor will turn on automatically after the length of time you set in the ON timer.



Note:

- When an instant power failure occurs, the ON timer and sleep timer settings may be cleared.
- To display the amount of time left until the monitor turns on or off automatically, press RECALL.

Adjusting the sound

Muting the sound

Press MUTE to temporarily reduce (1/2 MUTE) or turn off (MUTE) the sound. While the sound is off, the screen will display “1/2 MUTE” or “MUTE” in the lower right corner. Every time you press MUTE, the mute mode will change in the following order.

→ Normal → 1/2 MUTE → MUTE →

When you select “MUTE” mode, the closed caption feature is automatically activated. To deactivate this feature, deactivate MUTE. This feature works only when the closed caption mode is set to OFF. See “Using the closed caption feature” on page 39 for more information.

Using the WOW™ surround sound feature

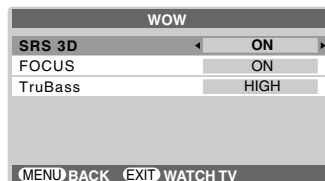
WOW™ is a special combination of SRS Labs audio technologies that creates a thrilling surround sound experience with deep, rich bass from stereo sound sources. Your monitor's audio will sound fuller, richer, and wider. WOW consists of three features: SRS 3D, FOCUS, and TruBass.

To adjust the WOW feature:

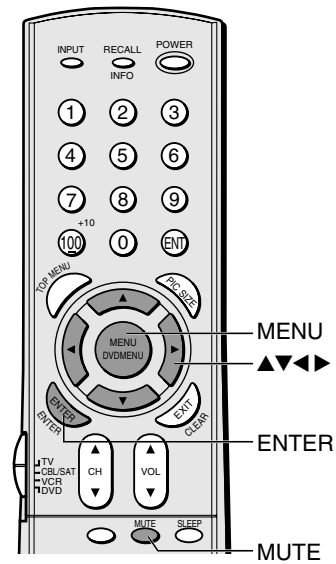
1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight WOW, then press ENTER. The WOW menu appears.



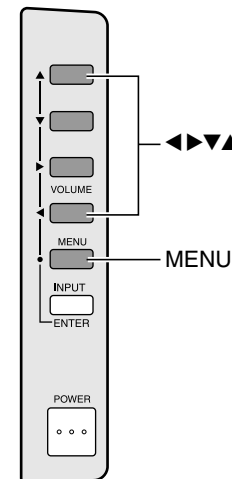
3. Press ▲ or ▼ to highlight the desired WOW feature you want to adjust.



4. Press ◀ or ▶ to adjust the item.
 - SRS 3D — To turn on or off the surround sound effect.
 - FOCUS — To turn on or off the vocal emphasis effect.
 - TruBass — To select your desired bass expansion level (HIGH, LOW, or OFF).



Monitor side panel



Note:

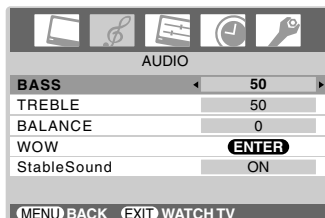
If the broadcast is monaural, the WOW SRS 3D surround sound effect will not work.

Adjusting the sound quality

You can change the quality of your monitor's sound by adjusting the bass, treble, and balance.

To adjust the sound quality:

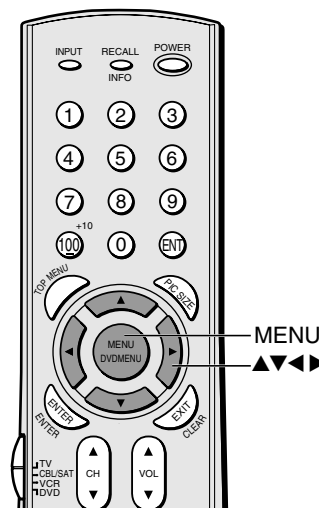
1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight the item you want to adjust.



3. Press ◀ or ▶ to adjust the level.



- ◀ makes the sound quality weaker or increases the balance in the left channel, depending on the item selected.
- ▶ makes the sound quality stronger or increases the balance in the right channel, depending on the item selected.



Using the StableSound® feature

When the signal source is changed, the StableSound feature limits the highest volume level to prevent extreme changes in volume (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 then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight StableSound.
3. Press ◀ or ▶ to select ON.



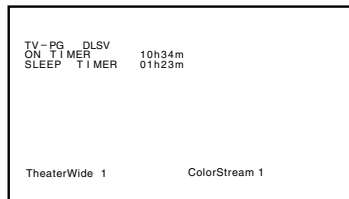
To turn off the StableSound feature:

Select OFF in step 3 above.

Displaying on-screen information

Press **RECALL** to display the following information on-screen:

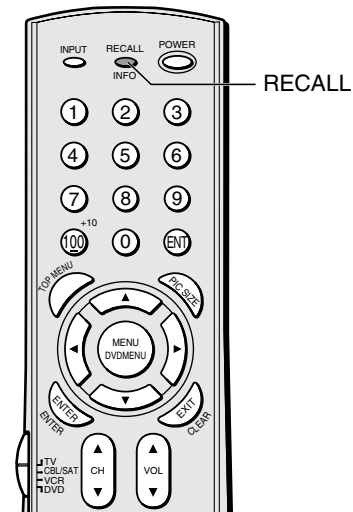
- Input mode
- Remaining time of ON/SLEEP timer (if set)
- Video label (when in video mode)
- V-CHIP rating status
- Picture size



Understanding the last mode memory feature

If the power is cut off while you are viewing the monitor, the Last Mode Memory feature turns on the monitor automatically when the power is resupplied.

If the power is going to be off for a long time and you are going to be away from your monitor, unplug the power cord to prevent the monitor from turning on in your absence.



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Specifications

- 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.



WARNING: RISK OF ELECTRIC SHOCK!

Never attempt to service the monitor yourself. Opening and removing the covers may expose you to dangerous voltage or other hazards. Refer all servicing to a Toshiba Authorized Service Center.

Power Source
120 V AC, 60 Hz

Power Consumption
243 W (average)
0.3 W in standby mode

Audio Power
10 W + 10 W

Speaker Type
Main : Four 2-3/8 × 4-3/4 inches (60 × 120 mm)
Tweeter : Two 1-1/4 inches (32 mm) round

Video/Audio Terminals
S-VIDEO INPUT
Y : 1 V(p-p), 75 ohms, negative sync.
C : 0.286 V(p-p) (burst signal), 75 ohms
VIDEO/AUDIO INPUT
VIDEO: 1 V(p-p), 75 ohms, negative sync.
AUDIO: 150 mV(rms) (30% modulation equivalent,
22k ohms or greater)
ColorStream® (component video) INPUT
Y : 1V(p-p), 75 ohms
PR: 0.7 V(p-p), 75 ohms
PB: 0.7 V(p-p), 75 ohms
AUDIO: 150 mV(rms), 22k ohms or greater
VIDEO/AUDIO OUTPUT
VIDEO: 1 V(p-p), 75 ohms, negative sync.
AUDIO: 150 mV(rms) (30% modulation equivalent,
2.2k ohms or less)

HDMI INPUT:
HDMI compliant (type A connector)
HDCP compliant
E-EDID* compliant
Suggested scan rates: 1080i, 480p, 480i, 720p
HDMI Audio: 2-channel PCM
32/44.1/48 kHz sampling frequency
16/20/24 bits per sample

Headphone jack
3.5 mm stereo

Dimensions (Including monitor stand)
Width : 49-5/8 inches (1258 mm)
Height : 34-5/8 inches (877 mm)
Depth : 15-3/8 inches (390 mm)

Mass (weight)
104.7 lbs (47.5 kg)

Supplied Accessories

- Owner's Manual (This book)
- Remote Control with 2 size "AA" alkaline batteries
- Power cord (three wire grounding type)
- Noise filter
ZCAT2436-1330A-M (see page 14)
- Noise filter
ZCAT3035-1330 (see page 14)
- Clip (See item 19 on page 3)

WARNING: If you decide to wall mount this monitor, always use the Toshiba wall bracket specified below or another UL-approved wall bracket appropriate for the size and weight of this monitor. The use of any wall bracket other than the Toshiba wall bracket specified below or another UL-approved wall bracket appropriate for the size and weight of this monitor for wall mounting this monitor could result in serious bodily injury and/or property damage.

In the U.S.:

Use Toshiba wall bracket model number **FWB3250** or, if no longer available, another UL-approved wall bracket appropriate for the size and weight of the monitor. 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

Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptom and some solutions.

Symptom	Solution
Monitor will not turn on	<ul style="list-style-type: none">• Make sure the power cord is plugged in, then press POWER.• The remote control batteries may be dead. Replace the batteries.
No picture, no sound	<ul style="list-style-type: none">• If you connected an antenna via an external device (such as a VCR), check the antenna/cable connections.
No sound, picture OK	<ul style="list-style-type: none">• The sound may be muted. Press VOLUME.
Poor picture, sound OK	<ul style="list-style-type: none">• If you connected an antenna via an external device (such as a VCR), check the antenna/cable connections.• Adjust the PICTURE menu.
Black box appears on the screen	<ul style="list-style-type: none">• The closed caption feature may be set to one of the Text modes (T1, T2, T3, or T4). Turn closed captioning OFF.
Poor color or no color	<ul style="list-style-type: none">• Adjust the TINT and/or COLOR in the PICTURE menu.
The remote control does not operate	<ul style="list-style-type: none">• Make sure the appropriate device mode is selected.• Remove all obstructions between the remote control and the remote control sensor in the monitor.• The remote control batteries may be dead. Replace the batteries.
Poor composite or S-video picture	<ul style="list-style-type: none">• If the monitor is connected to an external A/V device (e.g., DVD player, video game system, set-top box, etc.) always try to use the ColorStream video jacks (and corresponding audio jacks) or the HDMI input (if available on your monitor) for connection to such external A/V device. This will reduce the amount of video processing to be performed by the monitor.
Picture and sound are out of sync	<ul style="list-style-type: none">• As with all products that contain a digital display, in rare instances, when viewing certain content (e.g., television broadcasts, video games, DVDs), you may notice that the picture and sound are slightly out of sync. This phenomenon can be caused by various factors including, without limitation, video processing within the monitor, 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:<ul style="list-style-type: none">– If the monitor 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.

Limited United States Warranty for Plasma Monitors

Toshiba America Consumer Products, L.L.C. ("TACP") makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS PLASMA MONITOR AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PLASMA MONITORS PURCHASED IN THE U.S.A. AND USED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES.

PLASMA MONITORS PURCHASED ANYWHERE OUTSIDE OF THE U.S.A., INCLUDING, WITHOUT LIMITATION, CANADA AND MEXICO, AND USED IN THE U.S.A., ARE NOT COVERED BY THESE WARRANTIES.

Limited One (1) Year Warranty on Parts and Labor

TACP warrants this Plasma Monitor and its parts against defects in materials or workmanship for period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. During this period, TACP Authorized Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, the service will either be performed in your home or the Plasma Monitor will be taken to a TACP Authorized Service Station for repair and returned to your home at no cost to you.

Rental Units

The warranty for Plasma Monitor rental units begins on the date of the first rental or thirty (30) days after the date of shipment to the rental firm, whichever comes first.

Limited Warranty for Commercial Units

TACP warrants Plasma Monitors that are sold and used for commercial purposes as follows: all parts are warranted against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU.

Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this Plasma Monitor.

Complete and mail the enclosed product registration card or register your Plasma Monitor online at www.tacp.toshiba.com/service as soon as possible. By registering your Plasma Monitor you will enable TACP 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 complete and return the product registration card does not diminish your warranty rights.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must retain your original bill of sale or provide other proof of purchase.
- (2) All warranty servicing of this Plasma Monitor must be performed by an Authorized TACP Service Station.
- (3) The warranties from TACP are effective only if this Plasma Monitor 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 Plasma Monitor or parts that have been lost or discarded by you or to damage to the Plasma Monitor 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 Plasma Monitor 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 1-800-631-3811.
- (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**

ALL WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A., INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A. AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TACP WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TACP BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE OR INABILITY TO USE THIS PLASMA MONITOR).

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TACP arising under the warranty or under any statute or law of the United States or any state thereof is hereby limited to ninety (90) days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any state of the U.S.A.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE IN THE U.S.A. SOME STATES OF THE U.S.A. DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, WHEN AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THEREFORE, THE ABOVE PROVISIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

[0705]

Limited Canada Warranty for Plasma Monitors

Toshiba Canada Limited ("TCL") makes the following limited warranties to original consumers in Canada. **THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS PLASMA MONITOR AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.**

PLASMA MONITORS PURCHASED IN CANADA AND USED ANYWHERE OUTSIDE OF CANADA, INCLUDING, WITHOUT LIMITATION, THE U.S.A. AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES.

PLASMA MONITORS PURCHASED ANYWHERE OUTSIDE OF CANADA, INCLUDING, WITHOUT LIMITATION, THE U.S.A. AND MEXICO, AND USED IN CANADA, ARE NOT COVERED BY THESE WARRANTIES.

Limited One (1) Year Warranty on Parts and Labor

TCL warrants this Plasma Monitor 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.** During this period, TCL Authorized Service Depot personnel will come to your home when warranty service is required. Depending on the type of repair required, the service will either be performed in your home or the Plasma Monitor will be taken to a TCL Authorized Service Depot for repair and returned to your home at no cost to you. **IN-HOME SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.**

Rental Units

The warranty for Plasma Monitor rental units begins on the date of the first rental or thirty (30) days after the date of shipment to the rental firm, whichever comes first.

Limited Warranty for Commercial Units

TCL warrants Plasma Monitors that are sold and used for commercial purposes as follows: all parts are warranted against defects in materials or workmanship for a period of ninety (90) days 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. ON-SITE SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.**

Owner's Manual and Product Registration

Read this owner's manual thoroughly before operating this Plasma Monitor.

Register your Plasma Monitor online at www.toshiba.ca as soon as possible. By registering your Plasma Monitor 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. Failure to register your Plasma Monitor does not diminish your warranty rights.

Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must retain your original bill of sale or provide other proof of purchase.
- (2) All warranty servicing of this Plasma Monitor must be performed by an Authorized TCL Service Depot.
- (3) The warranties from TCL are effective only if this Plasma Monitor is purchased in Canada from an authorized TCL dealer and operated in Canada.

- (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 Plasma Monitor or parts that have been lost or discarded by you or to damage to the Plasma Monitor 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 Plasma Monitor 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 TCL Authorized Service Depot, visit TCL's website at www.toshiba.ca.
- (2) You must present your original bill of sale or other proof of purchase to the TCL Authorized Service Depot.

**For additional information, visit TCL's website:
www.toshiba.ca**

ALL WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TCL WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TCL BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, BUSINESS INTERRUPTION, OR MODIFICATION OR ERASURE OF RECORDED DATA CAUSED BY USE, MISUSE, OR INABILITY TO USE THIS PLASMA MONITOR).

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TCL arising under the warranty or under any law of Canada or any province thereof is hereby limited to ninety (90) days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any province of Canada.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM PROVINCE TO PROVINCE IN CANADA. SOME PROVINCES OF CANADA DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, WHEN AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THEREFORE, THE ABOVE PROVISIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

[0705]

Introduction

Connecting
your Monitor

Using the
remote control

Setting up
your Monitor

Operating
your Monitor

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