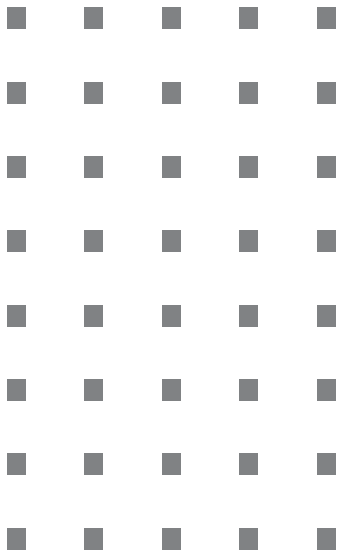▶ **TF-TV2609**

▶ **TF-TV3209**

FLAT PANEL WIDESCREEN HDTV
Operating Instructions

COBY

LCD TV

A Wide Array of Screen Settings

You can choose different screen settings depending on the type of program you are watching or the surrounding conditions (the lighting or the outside weather conditions). You can switch between the Sport, Movie, Music and Normal options, or you can configure the screen settings yourself.

A Wide Array of Sound Settings

You can choose an optimal sound setting for the type of program you are watching. You can switch between the Music, Movie, News and Normal options, or you can configure the settings yourself.

Favorite Channel Memory

You can store your favorite channels in order of preference for easy channel selection.

Closed Caption

When you watch a closed-captioned TV broadcast, turn the caption option on to see the English transcript on the screen. This feature also works with video CDs or videotapes with captions.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING
AVERTISSEMENT

RISQUE DE CHOC ÉLECTRIQUE-NE PAS OUVRIR.

WARNING HIGH-VOLTAGE

TO PREVENT FIRE OR SHOCK HAZARD DO NOT REMOVE COVER.
NO USER SERVICEABLE PARTS INSIDE.
REFER ALL SERVICE QUERIES TO QUALIFIED PERSONNEL.
DO NOT EXPOSE THIS RECEIVER TO RAIN OR MOISTURE.
REMOVE MAIN PLUG FROM WALL SOCKET WHEN NOT IN USE.
CARE SHOULD BE TAKEN WHEN REMOVING BACK CABINET FOR SERVICING;
SUB CHASSIS MAY BE DAMAGED IF ALLOWED TO BECOME UNSUPPORTED.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING - **To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.**

NOTICE
- **If the same pattern is continuously displayed on the Monitor / TV for a long period of time, a residual image may be "burned in" to the screen.**
- **This apparatus should not be exposed to moisture and no object filled with liquids, such as vases, should be placed on the apparatus.**

FCC Compliance Statements

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

Warning:
Any change or modification to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

Important Safety Instruction

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 a 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.
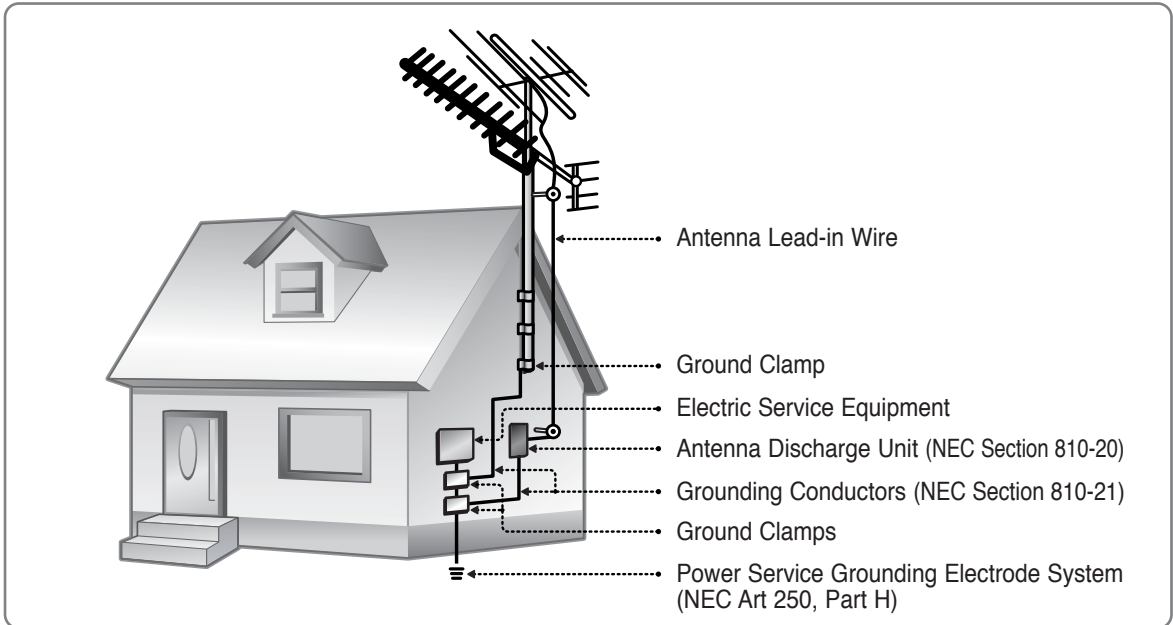

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

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 moisture, does not operate normally, or has been dropped.

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

16) The socket-outlet shall be installed near the equipment and shall be easily accessible.

Precaution

External Television Antenna Grounding

If an outside antenna or cable system is connected to the television equipment, be sure the antenna or cable system is electrically grounded to protect against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information about proper electrical grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Lead-in Wire

Ground Clamp

Electric Service Equipment

Antenna Discharge Unit (NEC Section 810-20)

Grounding Conductors (NEC Section 810-21)

Ground Clamps

Power Service Grounding Electrode System (NEC Art 250, Part H)

An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outdoor antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them could be fatal.

Disposal of this unit may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance at www.eia.org.

For information regarding disposal and recycling in the state of California, please visit the eRecycle website at www.eRecycle.org.

Notice

The LCD panel used in this television contains millions of thin film transistors that have been manufactured using a high-technology process to deliver a crisp, clear, and detailed picture. Occasionally, a few of these transistors may become stuck or non-active; please note that this does not affect the performance of the television.
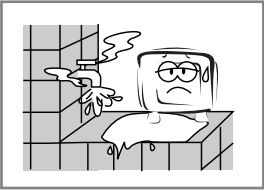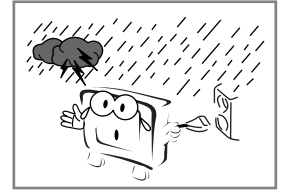
Precaution
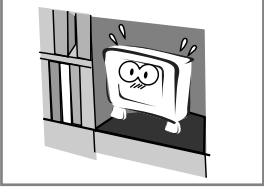
The unit should not be placed in an enclosed installation such as a bookcase or limited-space rack unless proper ventilation is provided.
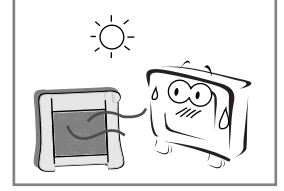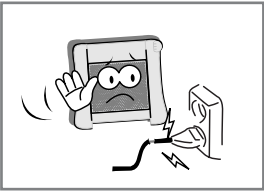
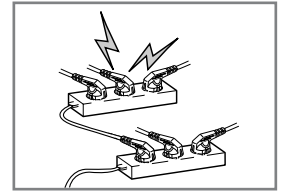Do not use the unit in direct sunlight and keep it away from heaters, stoves, and other sources of heat.

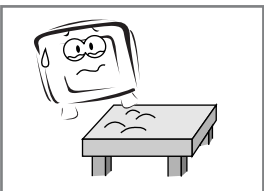Do not use the unit near water, oil or inflammables.

During storm conditions (especially when there is lighting) unplug your TV set from the main electrical outlet and antenna.
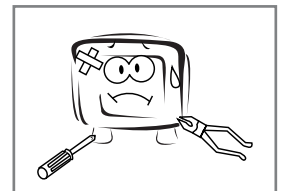
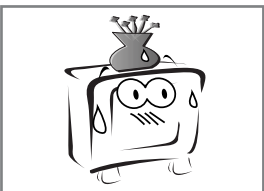Do not use a damaged plug and do not let the power cord touch a heat source.

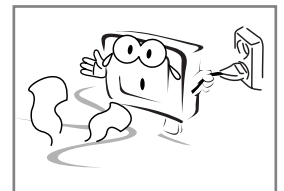Do not connect too many extension cords or plugs to an outlet.

Place the unit on a flat and stable surface.

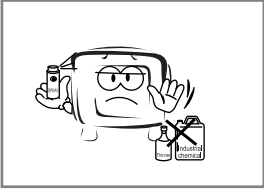Do not attempt to service the unit. Contact an authorized dealer or repair service.

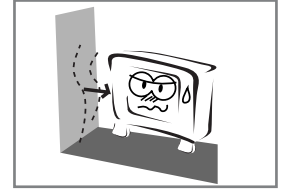Do not place anything (vase, etc) on top of the unit.

If there are any unusual sounds or smells coming from the unit, unplug it immediately and contact an authorized dealer or repair service.
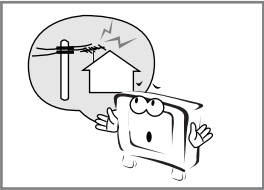
Do not use or store inflammable substances near the unit.

Place the unit away from the wall for well ventilation.

Place the antenna away from the electric wire, not to touch even though it falls down by wind.
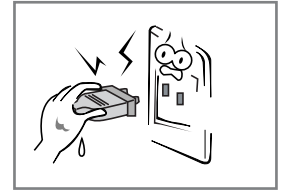
Do not touch the plug with wet hands.

Be sure to insert the plug tightly. Hold the plug, not the cord, when disconnecting the plug from the wall outlet.

If an outside antenna is connected to the unit, do not let the rain water get into the unit by bending or antenna wire sealing.
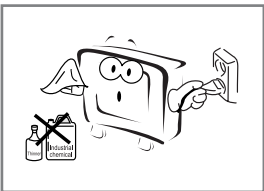
Unplug the unit from the wall outlet before cleaning. Use a smooth cloth. Do not use industrial chemicals.
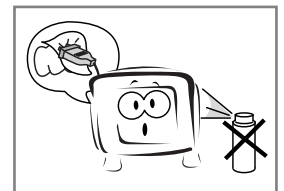
If the connector between the plug and the pin is dusty or dirty, clean it. Do not spray detergent directly on the unit.
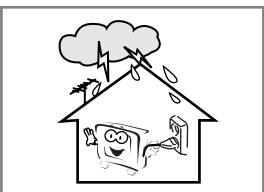
Do not touch the antenna wire and disconnect the plug from the electrical outlet during storms or lightening.
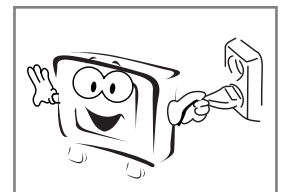
Disconnect the plug from the outlet if it is not used for a long period of time.

Table of Contents

Unpacking your TV

Please make sure the following items are included with your TV set.
If any items are missing, contact your dealer.

Accessories

Remote Control & Batteries (AAA x 2)　　　Operating Instructions　　　Power Cord

Inserting Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you purchase the TV or when you find that the remote control is no longer operating correctly.

1 Push the "▽" mark at the back of the remote control and pull forward slightly.

2 Insert two AAA 1.5V batteries ensuring the correct polarity (**+/-**).

3 Close the lid.

- Handle the remote control with care; avoid dropping it, getting it wet, placing it direct sunlight, near a heater, or where the humidity is high .

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
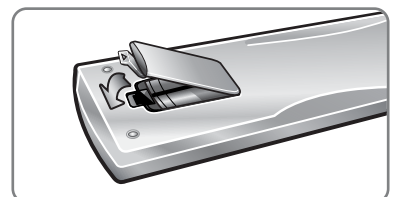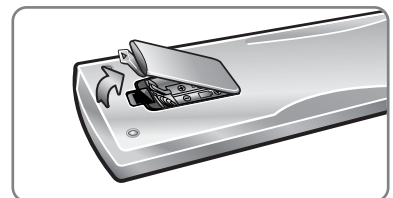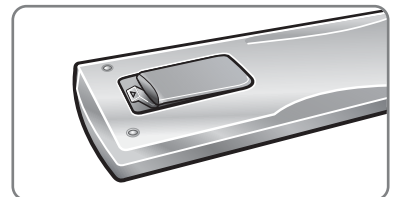
Viewing the Control Panels

Front View

Right Side
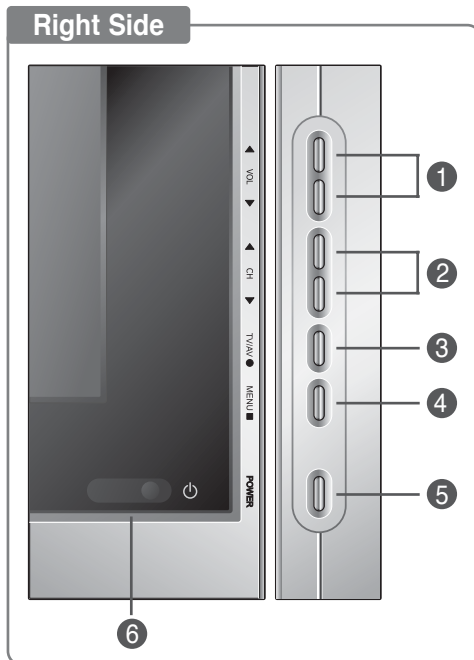
❶ Volume adjustment
❷ Channel selection
❸ Input TV/AV selection
❹ MENU selection
❺ Power
❻ Remote control sensor

Power Indicator Status

Indicator	Status
Red	Stand-by
Green	Power on

Viewing the Control Panels

Rear View

Connection Cables (Optional : not included)

HDMI Connector ········ **4**

DVI/PC Sound Cable ········ **3**

HDMI/DVI Connector ····· **4**

Component Signal Cable ····· **10**

Digital Sound Connector ···· **6**

Sound Cable ············ **9**

S-Video Connector ···· **7**

AV Cable ············· **8**

PC Cable ············· **5**

Coaxial Cable ·········· **11**
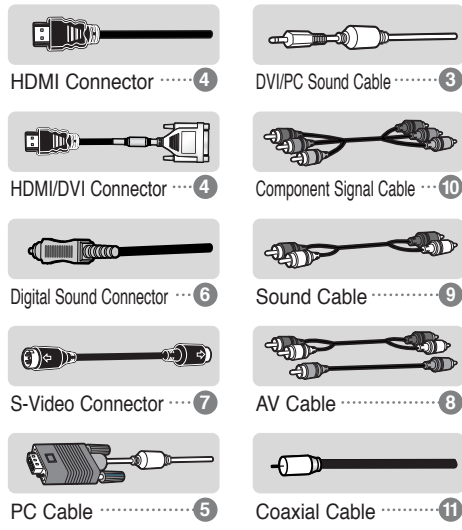
Bottom Side
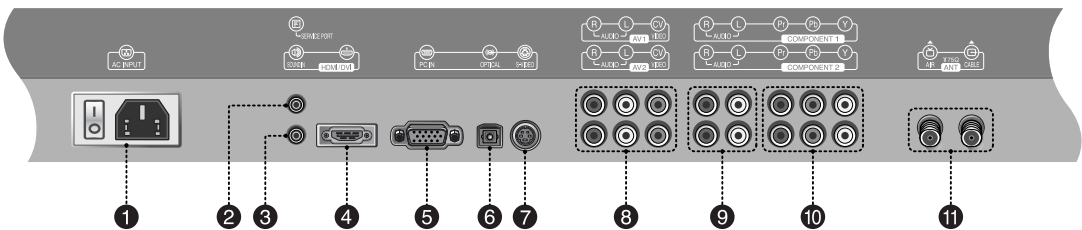
1 AC Power Input Terminal
2 Service Port
3 PC(DVI) Sound Input Terminal
4 HDMI/DVI Input Terminal
5 PC Input Terminal
6 Optical Digital Sound Output Terminal

7 S-Video Input Terminal
8 External Terminals 1, 2
9 Component Sound Input Terminals 1, 2
10 Component Video Input Terminals 1, 2
11 AIR, CABLE Antenna Input Terminal

Remote Control

- Make sure there are no objects between the remote control and its sensor.
- Do not place the remote control near a heater or in damp place.

1 INPUT
- Displays a menu of all available input sources.
- Also used to confirm your choice in the on-screen menu.

2 S.MODE
- Press to change to a preset sound mode

3 P.MODE
- Press to change to a preset picture mode

4 MUTE
- Press to temporarily switch the sound off

5 VOLUME
- Press to increase or decrease the volume

6 GUIDE
- Press to view the DTV program information

7 MENU
- Press to display the main on-screen menu

8 E.SAVING
- Press to save power

9 ASPECT
- Press to adjust the screen size

10 Numeric Keypad
- Press to change the channel directly using the numeric buttons

11 [−] Button
- When selecting a digital broadcast channel, press the Main channel number > [−] > sub channel number. Analog channels can be viewed when the sub channel is zero
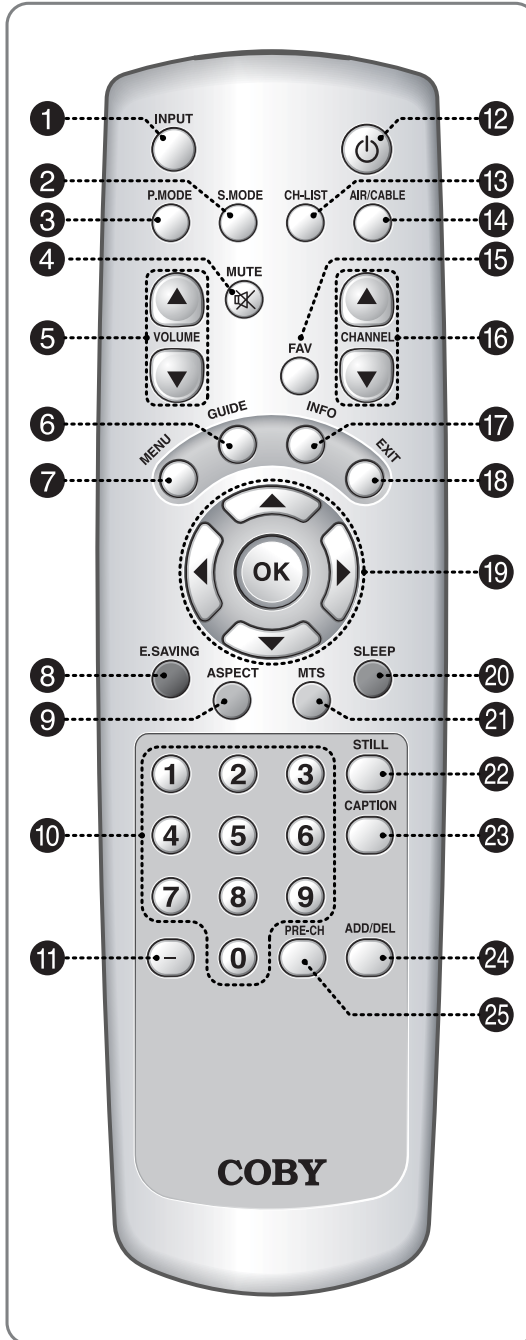
12 POWER

13 CH-LIST
- Press to see the channel list

14 AIR/CABLE
- Press to select AIR/CABLE channels

15 FAV
- Watch your favorite channels

16 CHANNEL
- Press to change channels

17 INFO
- Check the current program information, screen status, multi-sound status and time

18 EXIT
- Exit from a menu or the program guide to the main TV screen

19 UP/DOWN/LEFT/RIGHT/ENTER
- Press to select on-screen menu items and change menu values

20 SLEEP
- Press to select a preset time interval to automatically shut the TV down

21 MTS
- Press to select your favorite language for digital broadcasting. You can select your favorite mode Mono/Stereo/SAP.

22 STILL
- Press to pause the current scene

23 CAPTION
- Press to activate closed-captioning

24 ADD/DEL
- Press to add or delete a channel to/from your channel list

25 PRE-CH
- Press to view the previous channel

Remote Control Instructions

Press to move up in the menu	Press to move down in the menu	Press to move right in the menu	Press to move left in the menu	Press to select the on-screen menu item	Press to return to the previous menu

Connecting an Antenna

There are internal and external types of antennas.

Rear of the TV

Cable Television Network

or

Air

AIR ANT CABLE
If 75Ω
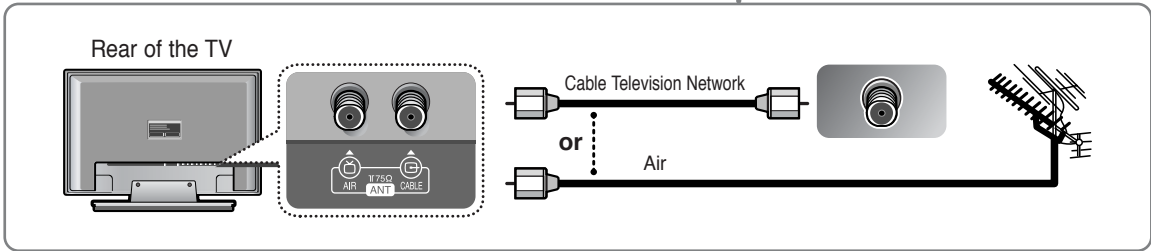
Connecting an Antenna

1 Use a coaxial cable to connect the rear panel of the TV's [**AIR**] or [**CABLE**] terminals and the wall mount or external antenna.

2 When an Air signal is required, connect to the [**AIR**] terminal. If a Cable signal is required, connect to the [**CABLE**] terminal. If both Air, Cable are available, then connect both [**AIR**] and [**CABLE**] terminals.

3 Connect the TV power cord when connecting everything else.

⚠ Avoid bending the copper tip at the center of the coaxial cable.

Viewing Air Channels

1 Turn on the TV and follow the steps in <**Auto Memorizing**>. Currently all broadcast Air (**Analog, Digital**) and Cable (**Analog, Digital**) channels have been memorized.

2 Change the channel you wish to watch!

■ Selecting channels directly via the numeric keypad.
ex) To watch channel 4: Press '4' ➔ Press **OK**.

■ To change channels using the [**CHANNEL**] button.
ex) Change from Channel 4 to 11: Keep pressing the [**CHANNEL**] button until you get to Channel 11.

Caution

☛ lIf the signal is too weak to be received by the TV, purchase an additional wavelength amplifier for better reception.

☛ Setting up an UHF antenna will receive a digital broadcast signal.

☛ For apartments and condos, check with related parties or your landlord for UHF receiver availability.

☛ Some areas can receive digital broadcasts via cable companies, therefore check with your local cable operator.

P.MODE S.MODE CH-LIST AIR/CABLE

MUTE

VOLUME FAV CHANNEL

GUIDE INFO

MENU EXIT

OK

E.SAVING SLEEP
ASPECT MTS

STILL

1 2 3
CAPTION
4 5 6
7 8 9
PRE-CH ADD/DEL
− 0

Connecting a VCR

External devices may have different terminals for the same functions.
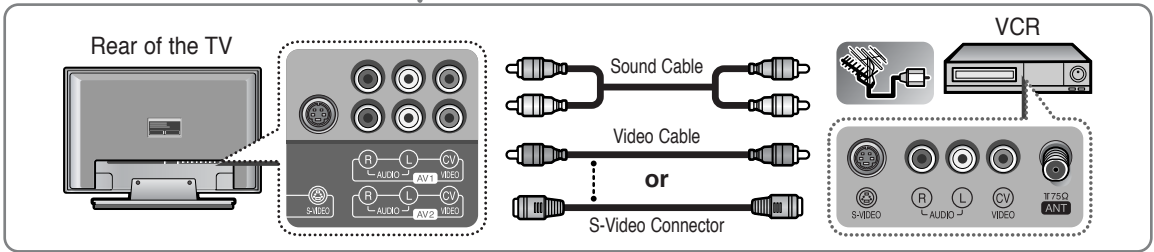
Rear of the TV

Sound Cable

Video Cable

or

S-Video Connector

VCR

VIDEO1

INPUT

Connecting the video / sound cables

1 Connect the antenna cable to the Antenna input of the rear panel of the VCR.

2 Use the video cable to connect the [**AV1 video input**] or [**AV2 video input**] (yellow) terminal at the back of the TV to the [**video Output**] (Yellow) of the VCR.

3 Use the sound cable to connect the [**AV1 sound input left / right**] or [**AV2 sound input left / right**] (white/red) terminal at the back of the TV to the [**sound output**] (white/red) of the VCR.

Watching a VCR

1 Turn on the TV and press the [**INPUT**] button, then select <**AV1**> or <**AV2**>. If <**external input**> mode is not selected, check your video connection.

2 Turn on the VCR and press the play button.

Connecting a DVD Player

External devices may have different connecting terminals.
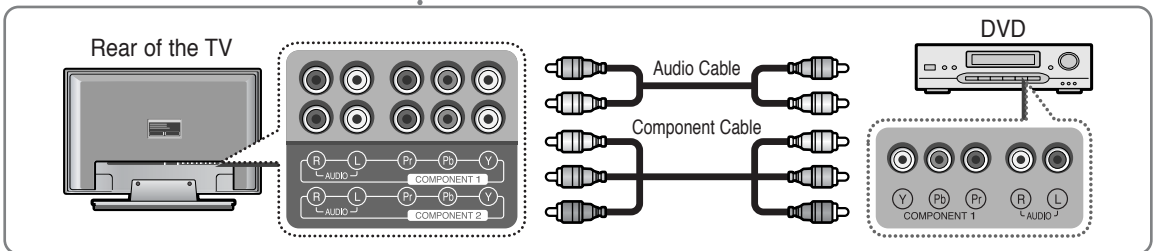
Rear of the TV

Audio Cable

Component Cable

DVD

HDMI

INPUT

Connecting to a DVD player

1 Use the component video cable to connect the [**COMPONENT 1 video input**] or [**COMPONENT 2 video input Y, Pb, Pr**] (Green/Blue/Red) terminal at the back of the TV to the [**Component output**] on the DVD player.

2 Use the sound cable to connect the [**COMPONENT1 sound input left/right**] or the [**COMPONENT2 sound input left/right**] (white/red) input terminal to the [**sound output**] (white/red) output terminal of the DVD player.

Viewing a DVD

1 Turn on the TV, press the [**INPUT**] button, then select <**COMPONENT 1**> or <**COMPONENT 2**>. (If <component> mode is not selected, check if the component connectors are connected.)

2 Turn on the DVD player and press the play button on the DVD player.

Connecting an HDMI Connection

Rear of the TV   DVD (Home Theater)

HDMI Connector
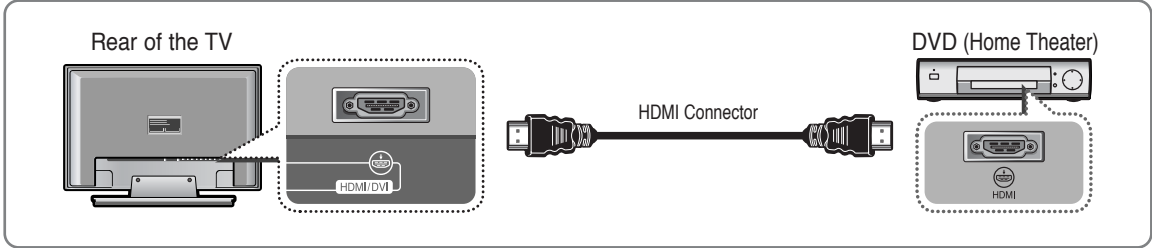
HDMI/DVI

HDMI

Connecting via HDMI

1 Connect the [**HDMI/DVI input**] terminal at the back of the TV and the [**HDMI**] terminal of the external device.

2 Connect the TV and the external device after all other connections are done.

Watching HDMI

1 Turn on the TV and press [**INPUT**], then select <**HDMI**>.

2 Place a DVD title into an external device connected via HDMI and press play.

Useful Tips

☛ You can watch by connecting AV devices such as a set-top-box, a DVD player, an AV receiver, or DTV that supports the HDMI connection.

What is HDMI ?

☛ HDMI (High-Definition Multimedia Interface) : A next generation interface that connects the digital audio and video signals using only one cable without compression. The sound signal also carries multi-channel (5:1 Channel) so that it isproperly called a multimedia interface rather than a video terminal. The difference between HDMI and DVI is that the size is smaller; HDCP has an embedded cipher function and supports multi channel audio.

INPUT   HDMI

Connecting a DVI Connection

Rear of the TV   DVD (Home Theater)

HDMI/DVI Connector

DVI Sound Cable

SOUND IN   HDMI/DVI   DVI   R L AUDIO
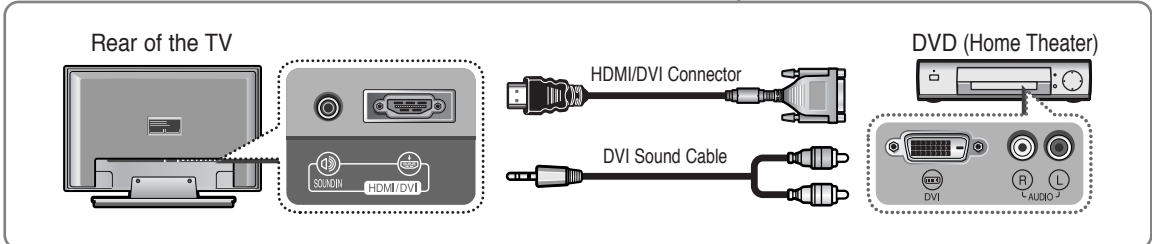
Connecting via DVI

1 Connect the [**HDMI/DVI Input**] terminal and the [**DVI**] output terminal of the external device.

2 Connect the [**DVI Audio input**] using the DVI audio cable (sold separately).

3 After this is completed, turn on the power of the TV and the external device.

Watching via the DVI connector

1 Turn on the TV and press [**INPUT**], then select <**HDMI**>.

2 Operate the external device connected via DVI.

Useful Tips

☛ When connecting equipment using a DVI connection cable, use a DVI-HDMI gender (sold separately) or on one side HDMI other side DVI type of connection cable (HDMI/ DVI connecting cable - not included in packet - sold separately)
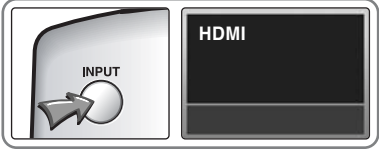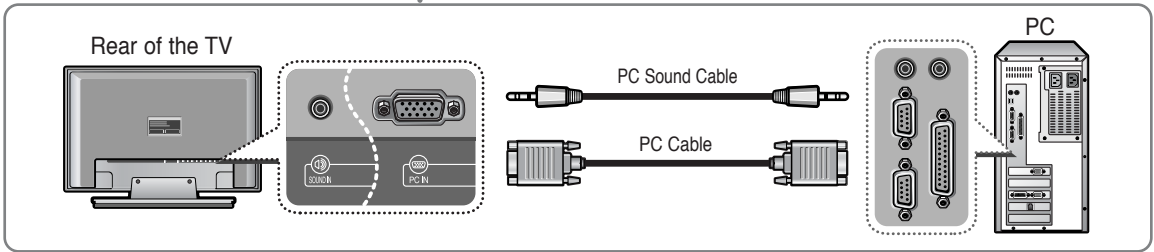
INPUT   HDMI

Connecting a PC

Rear of the TV

PC

PC Sound Cable

PC Cable

SOUND IN

PC IN

Connecting a PC

1 Connect the [**PC input**] and the PC monitor output using a PC video cable.

2 Connect the [**PC sound input**] and the PC audio output using a PC sound cable.

3 After this is completed, turn on the power of the TV and the PC.

Watching a PC screen on a TV

1 Turn on the PC and check if your PC settings are correct.
  ▪ If they are not correct, your screen will be doubled or distorted.

2 Turn on the TV and press [**INPUT**], then select <**PC**>.

3 Adjust the PC screen.

PC

INPUT

TV/ External Input Settings

You can change the signal of the TV or of the external device connected to your TV.

INPUT

P.MODE   S.MO

MU

VOLUME

GUID

Main Source

TV
AV1
AV2
S-VIDEO
COMPONENT1
COMPONENT2
HDMI
PC
EXIT
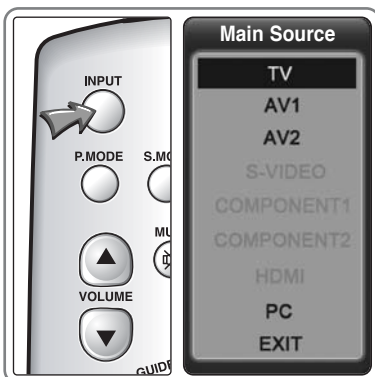
1 Press [**INPUT**].
The external input list will appear.

2 Press [▲ ▼] to move to an input mode, then press [**OK**].
Move to the selected external input screen.

Automatic Channel Settings

Any receivable channels can be memorized automatically.

1   Press [**MENU**]. -The menu will appear.

2   Press [▲ ▼] and move to <**Channel**>, then press [**OK**].
-The <**Channel**> menu will appear.

3   Press [▲ ▼] and move to <**Auto Memorizing**>, then Press [**OK**].
-The <**Auto Memorizing**> menu will appear.

4   Press [▲ ▼] to move to the type of Antenna connection, and press [**OK**].
-The <**Auto Memorizing**> menu will appear.

5   Press [▲ ▼] to check the status, then press [**OK**].
-The <**Auto Memorizing**> menu will appear.

6   After memorizing all receivable channels, a menu appears with the number of channels that have been memorized.

7   Press [**EXIT**] to exit the menu.

Useful Tips

☛ When <Air + Cable> is selected, the TV searches for channels (both Analog and Digital) from the antenna input.

☛ When selecting <Air> only, only Air channels are scanned (Analog, Digital).

☛ When selecting <Cable> only, only Cable channels are scanned (Analog, Digital).

☛ If any antenna connection status is changed, please perform automatic channel memorization again.

☛ When stopping the automatic channel scan, the automatic channel selection will not be completed. Only channels used in the menu will be set up.

Checking memorized channels

(▲) Press the [**CHANNEL**] buttons.
CHANNEL
(▼) -Pressing the [**CHANNEL**] buttons will select only the memorized channels sequentially.

Antenna Settings

1   Press [**MENU**]. -The menu will appear.

2   Press [▲ ▼] and move to <**Channel**>, then press [**OK**].
-The <**Channel**> menu will appear.

3   Press [▲ ▼] to move to <**Antenna**>, then press [**OK**].
-The <**Antenna**> menu will appear.

4   Press [▲ ▼] to select Air or Cable.

5   Press [**EXIT**] to exit the menu.

Useful Tips

☞ An air signal is transmitted via VHF/UHF over the air. Analog is NTSC, while digital is ATSC with a VSB modulated signal.

☞ A cable signal is a cable-transmitted signal. Analog is NTSC, while digital is SCTE with a QAM modulated signal.

Adding or Removing Channels

After memorizing the channels, you may add more channels not added due to a weak signal, or you may remove unwanted channels.

Adding or deleting the current channel

1   Press the number of the channel to add or delete, then press the [**ADD/DEL**] button.

  ■ For example, to add a channel, press the number of the channel, then press [**ADD/DEL**].

  ■ When the [**ADD/DEL**] menu appears, press [**OK**] to either add or remove.

Adding or deleting all memorized channels

1   Press [**MENU**]. -The menu will appear.

2   Press [▲ ▼] to move to <**Channel**>, then press [**OK**].
-The <**Channel**> menu will appear.

3   Press [▲ ▼] to move to <**Channel List**>, then press [**OK**].
-The <**Channel List**> menu will appear.

4   Press [▲ ▼] to move to the channel you wish to add and then press the Red [◉ᴱ·ˢᴬⱽᴵᴺᴳ] Button.

  -If the channel has the ✔ mark, the channel is added.

  -Press it again and the ✔ will disappear and the memorized channel is removed.

5   Press the [**EXIT**] button to exit the menu.

Useful Tips

☞ To confirm the added channel after the menu disappears, press [CHANNEL].

Adding favorite channels

This function is to help users to select their favorite channels as quickly as possible.

○ Press [**FAV**].

Go to Menu-Favorite channels and press the [**FAV**] button to check your favorite channels in the list.

Adding a channel to the favorite channel list

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] and move to <**Channel**>, then press [**OK**].
-The <**Channel**> menu will appear.

3 Press [▲ ▼] to move to <**Channel List**>, then press the [**OK**] button.
-The <**Channel List**> menu will be selected.

4 Press [▲ ▼] to move to the favorite channels, then press the Green [○ᴬˢᴾᴱᶜᵀ] Button.

- ♥ Make sure that the selected channel has been checked.
-To exit from the favorite channel set-up, press the green button again.

5 Press the [**EXIT**] button to exit the menu.

Useful Tips

☞ At least one channel must be memorized before setting your favorite channel list.
☞ A deleted channel cannot be added to your favorite channel list.
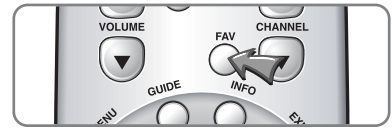
Current Program Information

You can check the current time and channel information. (This is only available for digital broadcasts)
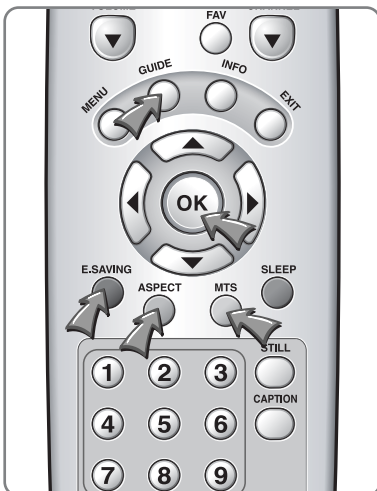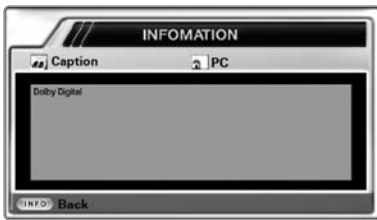
^{GUIDE} Press [**GUIDE**].

Press [**GUIDE**] to view the program guide for the current channel.
The default for the basic broadcasting guide should be set to <**Current Guide**>.
(The Program Guide may change without notice by the broadcast station.)

---

1 Press [**GUIDE**].
- The Current Guide will appear.

....

2 Press [▲ ▼] to move to <**Current Guide**>, then press [**OK**].
- The menu will disappear and information about the current channel will appear.

....

3 Press [▲ ▼] to move to a digital broadcast program, then press [**OK**].
- Detailed information about the selected digital broadcast program will appear. (This is available only when the original program supplies the relevant information.)

....

4 Press [**EXIT**] to exit the menu.

Useful Tips

☛ Detailed information about the channel will not appear unless it is provided by the broadcast station.

Current Program Guide

(**OK**) Pressing [**OK**]:

The current channel will be reserved. Pressing the button again will cancel the reservation. Reserving a Program is only possible for future programs that are NOT on-air at the moment.

^{E.SAVING} Press the **RED** button to see the next viewing list.

^{ASPECT} Press the **Green** Button to see the previous page.

^{MTS} Press the **Yellow** Button to see the next page.

^{GUIDE} Press the [**GUIDE**] Button to see detailed information for the selected digital program.

Checking the strength of the digital signal

This shows the current digital signal strength of a channel.

Before Starting

☛ Keep the digital TV receiving mode as is.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Channel**>, then press [**OK**].
-The <**Channel**> menu will appear.

3 Press [▲ ▼] to move to <**Signal Strength**>, then press [**OK**].
-The reception sensitivity will be shown in the menu.

4 Press the [**EXIT**] button to exit the menu.

Menu Transparency Settings

Menu Transparency sets the background transparency of the menu.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
-The <**Setup**> menu will appear.

3 Press [▲ ▼] to move to <**Menu Transparency**>, then press [**OK**].
- <**Menu Transparency**> will be selected.

4 Press [▲ ▼] to select the transparency, then press [**OK**].
-There are 4 options in menu transparency: <**Opaque**>,
 <**Semi Opaque**>, <**Semi Trans**> and <**Transparent**>.

5 Press [**EXIT**] to exit the menu.

Power Saving Mode Settings

Press [**E.SAVING**].

- Each time [**E.SAVING**] is pressed, <**Standard**> and <**Saving**>
 modes are switched. <**Saving**> mode conserves power.

Screen Mode Settings

*Press [**P.MODE**] to recall a pre-set screen type*
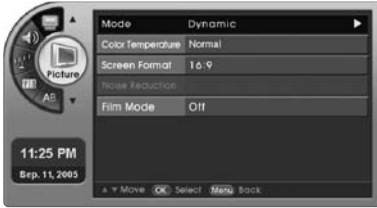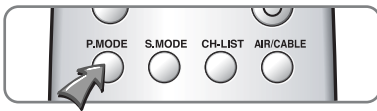
P.MODE
○ Press [**P.MODE**].
Each press of the button changes the picture mode from
<**Standard**> ➜ <**Dynamic**> ➜ <**Mild**> ➜ <**Manual**>.

---

1 Press [**MENU**]. -The menu will appear.

---

2 Press [▲ ▼] to move to <**Picture**>, then press [**OK**].
-The <**Picture**> Menu will appear.

---

3 Press [▲ ▼] to move to <**Mode**>, then press [**OK**].
-The <**Mode**> Menu will appear.

---

4 Press [▶] to select a screen mode.
<**Standard**>, <**Dynamic**>, <**Mild**>, <**Manual**> can be selected

---

5 Press [**EXIT**] to exit the menu.

Screen Mode
■ **Standard** : The manufacturer default for the optimal conditions, status.
■ **Dynamic** : Select this for a brighter screen. You will be able to see the screen more clearly.
■ **Mild** : Select this for a darker screen. It has the advantage of saving power and making your eyes less tired.
■ **Manual** : You can select your own defined screen setting conditions.

Screen Custom Mode Settings
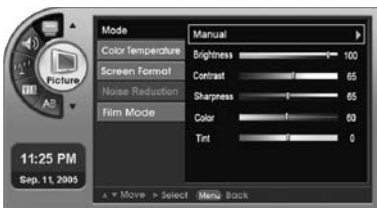
Screen Adjustment Menu
■ **Brightness** : Brightens or darkens the screen.
■ **Contrast** : Adjusts the difference in brightness between objects and the background.
■ **Sharpness** : Controls blurring and transparency.
■ **Color** : Controls the color signal strength.
■ **Tint** : Adds red or green to the picture.

Adjusting the user screen

---

1 < **Before Starting** >
The <**Mode**> needs to be changed to <**Manual**> in the menu.

---

2 Press [▲ ▼] and move to a menu, then press [**OK**].
-An additional adjustment bar will appear.

Useful Tips
☛ Adjusted values will be saved as a <Manual> mode value.
☛ Screen mode and custom value adjustments will be saved individually (TV, External Inputs 1 and 2, S-Video, etc.)

3 Press [▲ ▼] and move to a location, then press [**OK**].
-Press [▲ ▼] to move to <**Brightness**>, <**Contrast**>, <**Sharpness**>, <**Color**> or <**Tint**>.

---

4 Press [**EXIT**] to exit the menu.

Screen Color Settings

1 Press [**MENU**]. -The menu will appear.

2 Press [▲▼] to move to <**Picture**>, then press [**OK**].
-The <**Picture**> Menu will appear.

3 Press [▲▼] to move to <**Color Temperature**>, then press [**OK**].
-The <**Color Temperature**> Menu will appear.

4 Press [▲▼] to move to a menu.
-Press [▲▼] to move to <**Normal**>, <**Cool**> or <**Warm**>.

5 Press [**EXIT**] to exit the menu.

Useful Tips

☛ The PC and HDMI inputs support both screen color mode and RGB custom mode functions.
☛ The screen color mode and custom adjustment value (PC, HDMI) are saved individually (TV, AV 1 and 2, S-Video, etc.)

Unstable Screen

If the screen is unstable (dashed line or no color) try adjusting the channel.
(This is only available for analog broadcasts.)

1 Press [**MENU**]. -The menu will appear.

2 Press [▲▼] to move to <**Channel**>, then press [**OK**].
-The <**Channel**> Menu will appear.

3 Press [▲▼] to move to <**Fine Tune**>, then press [OK].
-The <**Fine Tune**> Menu will be selected.

4 Press [▲▼] to adjust.

5 Press [**EXIT**] to exit the menu.

Undoing a channel adjustment

1 From step 4 above, pressing number '**0**' [ⓞ] will change the value to '0' and automatically make minor channel adjustments.

2 If channel adjustment mode is on manual, then changing to the current channel will not perform automatic channel adjustment.

Film Mode Settings

Set your selection to <ON> to watch your movie titles at the best quality. You will be able to watch with a more realistic movie screen.
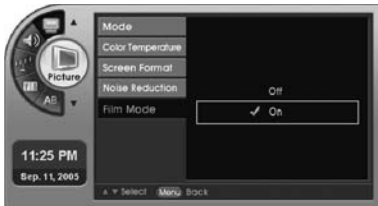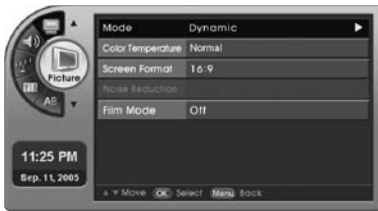
1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Picture**>, then press [**OK**].
-The <**Picture**> Menu will appear.

3 Press [▲ ▼] to move to <**Film Mode**>, then press [**OK**].
-The <**Film Mode**> Menu will appear.

4 Press [▲ ▼] to move to <**On**>.
-Press [▲ ▼] to toggle <**Film Mode**> between <**Off**> and <**On**>.

5 Press [**EXIT**] to exit the menu.

Useful Tips
☞ Even if film mode is activated, the signal status may take precedence.

Adjusting the Screen Size

You can select the size of the screen depending on the type of program.
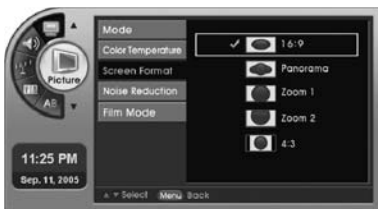
1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Picture**>, then press [**OK**].
-The <**Picture**> Menu will appear.

3 Press [▲ ▼] to move to <**Screen Format**>, then press [**OK**].
-The <**Screen Format**> Menu will appear.

4 Press [▲▼] to select a <**Screen Format**>. -The screen size will be selected.

5 Press [**EXIT**] to exit the menu.

Useful Tips
☞ Depending on the input signal, some screen sizes may not be selectable.
☞ The screen size may be saved individually according to the input signal (digital TV, analog TV, External Input 1 and 2, S-Video, etc.)

Press [**ASPECT**]
Each press switches between <**16:9**>, <**Panorma**>,<**Zoom1**>, <**Zoom2**> and <**4:3**>.
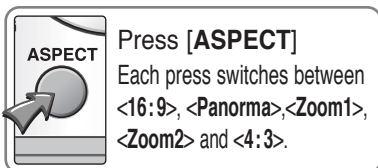
Useful Tips
☞ Some screen modes may not be selectable depending on the input signal.
☞ When watching digital broadcasts or when the input mode is HDMI or PC, only the 4:3 and 16:9 screens can be selected.
☞ For HDMI input, the screen size selection can be either PC or TV mode. They differ by the ratio of the amount cut on the left, right, top, and bottom of the screen.

Screen Size Menu

■ **16 : 9**   : The screen size for widescreen DVDs or broadcast programs.

■ **Panorama**   : A 16:9 screen shown naturally as a 4:3 screen.

■ **Expansion**   : Expands a 4:3 screen sideways and shows only the center area.

■ **Caption Expansion** : A 16:9 screen shown naturally as a 4:3 screen.

■ **4 : 3**   : The screen size for video and current broadcast programs.

⚠ If you force a still picture or use the basic (4:3) screen over a long period of time, the LCD TV may show some residual images. These problems are not covered by the warranty. Use the native widescreen (16:9) mode whenever possible.

Capturing a Still screen

You can pause a scene on the screen.

STILL
◯ Press [**STILL**].

Each press of the button will advance the scene one frame.

Useful Tips

☛ Audio will continue to operate while the screen is paused.

☛ Pressing a channel number or input signal will automatically cancel the function.

Digital Audio Output Settings

You can select your digital audio output as <Dolby Digital> or <PCM>.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

3 Press [▲ ▼] to move to <**Digital Output**>, then press [**OK**].
-The <**Digital Output**> Menu will appear.

**4** Press [▲▼] to move to <**Dolby digital**> or <**PCM**>, then press [**OK**].
-With Digital sound, <**Dolby digital**> or <**PCM**> will be output.

5 Press [**EXIT**] to exit the menu.

Useful Tips

☛ <Dolby digital> can be selected while a digital broadcast is on or HDMI is connected.

☛ HDMI can only be used when Dolby Digital audio is allowed. If not, PCM audio will be output regardless of what mode has been set.

☛ PCM (Pulse Coded Modulation): A digital audio signal without compression. With optical output, your sound output will be used for AV amplifiers that do not support Dolby Digital 5.1 Channel sound.

Dolby Digital

⫟⫟ **DOLBY**
D I G I T A L

This product is under license of Dolby Laboratories.
Dolby and the Dolby-D symbol are registered trademarks of Dolby Laboratories.

Sound Mode Settings

You can adjust the mode to Music, Movie, Sports, or News depending on the type of program you are watching.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

3 Press [▲ ▼] to move to <**Mode**>, then press [**OK**].
-The <**Mode**> Menu will appear.

4 Press [►] to select a sound mode.
-Pressing [►] will change the settings to <**Standard**>, <**Music**>, <**Movie**>, <**News**>, <**Sports**> or <**Manual**>.

5 Press [**EXIT**] to exit the menu.

Sound mode

- **Standard** : Basic sound mode.
- **Music**   : Experience live and natural sound.
- **Movie**   : Experience the marvels of surround sound as in a movie theater.
- **Sports**   : Experience the passion of a real stadium.
- **News**   : You can hear the sound of the newsanchor clearly.
- **Manual**   : You can create your own sound mode.

Custom Sound Mode Settings

You can create your own audio equalizer settings as desired.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

3 Press [▲ ▼] to move to <**Mode**>, then press [**OK**].
-The <**Mode**> Menu will appear.

4 Press [▲ ▼] to select <**Manual**> mode.
-The <**Manual**> menu will appear.

5 Press [▲ ▼] to select either bass, midrange, or treble as desired, then press [◄►] to change the levels.
-Adjust to low or high levels.

6 Press [**EXIT**] to exit the menu.

Useful Tips

☛ You can use the equalizer to adjust <Standard>, <Music>, <Movie>, <Sports>, <News> mode to change the <Mode> to <Manual>.

Sound Balance Settings

You can balance your speakers for better sound quality.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

3 Press [▲ ▼] to move to <**Balance**>, then press [**OK**].
-The <**Balance**> Menu will appear.

4 Press [◄►] to change the left/right output levels.
-You can adjust the output of the left/right speaker.

5 Press [**EXIT**] to exit the menu.

Automatic Volume Control Settings

You can automatically adjust the sound level of different channels to the proper volume level to make each channel audibly distinct.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

3 Press [▲ ▼] to move to <**Auto Volume**>, then press [**OK**].
-The <**Auto Volume**> Menu will appear.

4 Press [▲ ▼] to move to <**On**> or <**Off**>, <then press [**OK**].

5 Press [**EXIT**] to exit the menu.

Sound (Digital Broadcasting) Settings

^{MTS}
◯ Press [**MTS**] to listen to other languages.

■ When English is set as the primary language, pressing [MTS] will change between <English>, <Spanish>, and <French> in this order. (Languages are only available when provided by a broadcasting station.)

■ When changing the channel, the set language will be selected.

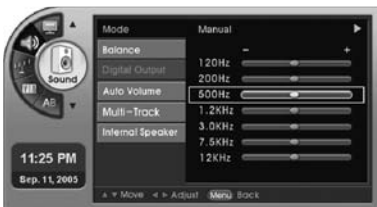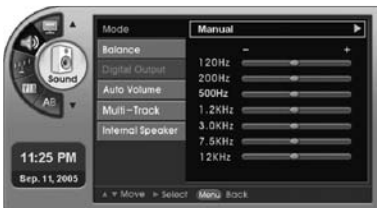**1** Press [**MENU**]. -The menu will appear.

---

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

---

3 Press [▲ ▼] to move to <**Multi-Track**>, then press [**OK**].
-The <**Multi-Track**> Menu will appear.

---

4 Press [▲▼] to select <**English**>, <**Spanish**>, or <**French**>, then press [**OK**].
-The sound settings primarily set up the language. But in the menu, you can select your favorite language settings no matter what the broadcasting status.

---

5 Press [**EXIT**] to exit the menu.

Sound (Analog Broadcasting) Settings
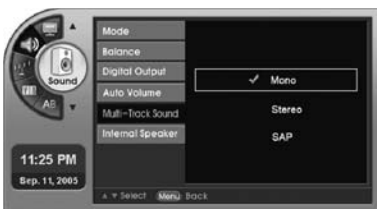
^{MTS}
◯ Press [**MTS**].

■ You can select your favorite settings <Mono>, <Stereo> or <SAP>.

---

1 Press [**MENU**]. -The menu will appear.

---

2 Press [▲ ▼] to move to <**Sound**>, then press [**OK**].
-The <**Sound**> Menu will appear.

---

3 Press [▲ ▼] to move to <**Multi-Track**>, then press [**OK**].
-The <**Multi-Track**> Menu will appear.

---

4 Press [▲▼] to move to <**Mono**>, <**Stereo**> or <**SAP**>, then press [**OK**].
-The selected sound will be set.

---

5 Press [**EXIT**] to exit the menu.

While Mono is on air
■ All modes will have mono sound.

While Stereo is on air
■ **Mono** : Mono sound is selected.
■ **Stereo** : Stereo sound is selected.
■ **SAP** : Mono sound is selected.

While SAP is on air
■ **Mono** : Mono sound is selected.
■ **Stereo** : Mono sound is selected.
■ **SAP** : SAP sound is selected.

Useful Tips

☛ The sound settings are only supported in TV (analog broadcast) mode.
☛ <Stereo>, <SAP> will only operate when a network signal is available.

Automatic Time Settings

The auto time setting will receive time information from the digital broadcast station.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
-The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**Time**>, then press [**OK**].
-The <**Time**> Menu will appear.

4 Press [▲ ▼] to move to <**Clock**>, then press [**OK**].
-The <**Clock**> Menu will appear.

5 Press [▲ ▼] to select <**Auto**>.

6 Press [**EXIT**] to exit the menu.

Useful Tips

☛ The time will be set automatically by the digital broadcasting information.
☛ There may be a slight error in the time depending on the broadcast station.
☛ Pressing [INFO] will show the current time.
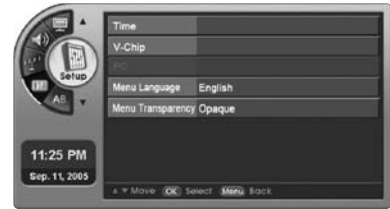
Manual Time Settings

Setting the year, month, day, hours and minutes can be done by pressing the numeric buttons.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
-The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**Time**>, then press [**OK**].
-The <**Time**> Menu will appear.

4 Press [▲ ▼] to move to <**Clock**>, then press [**OK**].
-The <**Clock**> Menu will appear.

5 Press [▲ ▼] to move to <**Manual**>, then press [**OK**].
-The <**Manual Clock**> item can be selected.

6 Press [▲ ▼] to move to <**Manual Clock**>, then press [**OK**].

7 Press [▲ ▼], [◄►] to change the year, month, day, am/pm,
hours and minutes.

8 Press [**EXIT**] to exit the menu.

Time and Date Settings

Users can select Daylight Saving.
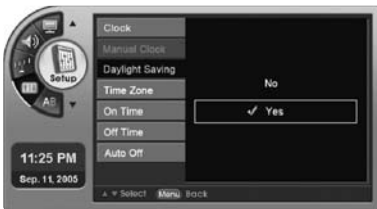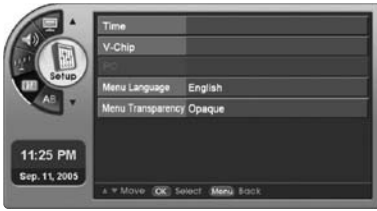
1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
  -The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**Time**>, then press [**OK**].
  -The <**Time**> Menu will appear.

4 Press [▲ ▼] to move to <**Daylight Saving**>, then press [**OK**].
  -The <**Daylight Saving**> Menu will appear.

5 Press [▲ ▼] to move to <**Yes**>, then press [**OK**].
  -Select <**Yes**> for Daylight Saving, and <**NO**> to cancel
   Daylight Saving.

6 Press [**EXIT**] to exit the menu.

Time Zone Settings

Users can select the time zones.
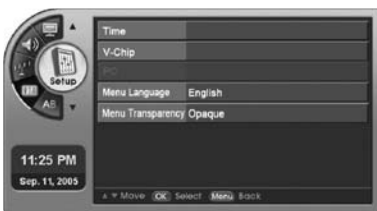
1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
  -The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**Time**>, then press [**OK**].
  -The <**Time**> Menu will appear.

4 Press [▲ ▼] to move to <**Time Zone**>, then select [**OK**].
  -The <**Time Zone**> Menu will appear.

5 Press [▲ ▼] to move to your local area, then press [**OK**].

6 Press [**EXIT**] to exit the menu.

TV Activation Time Settings

You can set a time for the TV to automatically turn-on.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
-The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**Time**>, then press [**OK**].
-The <**Time**> Menu will appear.

4 Press [▲ ▼] to move to <**On Time**>, then press [**OK**].
-The <**On Time**> Menu will appear.

5 Press [▲ ▼], [◄►] to set the <**AM/PM**>, <**hours**>, <**minutes**>,
<**channel**>, <**volume**> and <**time period to turn-on**>.

6 Press [**EXIT**] to exit the menu.

Useful Tips

☛ The turn on period can be set to <Cancel>, <Everyday> or <Once>.
- <Cancel>   : Automatic turn-on will be deactivated.
- <Once>   : The TV automatically turns on ONCE at the set time.
- <Everyday> : The TV will turn on everyday at the set time.

TV Deactivation Time Settings

You can select the time to turn off the TV.

4 Press [▲ ▼] to move to <**Off Time**>, then press [**OK**].
-The <**Off Time**> Menu will appear.

5 Press [▲ ▼], [◄►] to set the <**AM/PM**>, <**hours**>,
<**minutes**> and <**turn-off period**>.

6 Press [**EXIT**] to exit the menu.

Useful Tips

☛ The turn-off period can be set to <Cancel>, <Everyday> or <Once>.
- <Cancel>   : The TV turn-off time is deactivated.
- <Once>   : The TV will turn off Once at the set time.
- <Everyday> : The TV will turn off everyday at the set time.

Auto TV Deactivation Time Settings

If there is no signal on the TV for 15 minutes or more, or if no button is pressed for more than 3 hours, this function turns off the TV automatically.

4 Press [▲ ▼] to move to <**Auto Off**>, then press [**OK**].
-The <**Auto Off**> Menu will appear.

5 Press [▲ ▼] to select <**On**>.

6 Press [**EXIT**] to exit the menu.

Useful Tips

☛ If <automatic turn-off> is active, then the TV will turn off when there is no signal
on the TV or there is no external input signal for 15 minutes or more.
☛ If <automatic turn-off> is active and the TV is turned on by the <turn-on> option
and no button is pressed for 3 hours, the TV will automatically turn off.
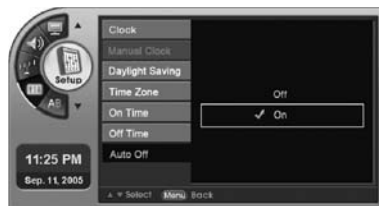
Entering a PIN

This option sets up or changes the password for blocking specific channels.

1 Press [**MENU**].
   -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
   -The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**V-Chip**>, then press [**OK**].
   -The <**Password Dialog Box**> Menu will appear.
   When first accessing the V-Chip menu, no password is set up.
   When no password is set up, channels cannot be blocked.
   You need to set the password of the <V-chip> then go to
   <Changing PIN> and set it to <ON>. If a User loses the
   password, the Master Password needs to be used.

4 Enter the 4-digit password (0~9) using the remote control.
   -The <**V-Chip**> Menu will appear.

5 Press [▲ ▼] to move to <**Changing PIN**>, then press [**OK**].
   -The <**Changing PIN**> Menu will appear.

6 Use the keypad to set up the new password.

7 Please confirm your password by entering your 4-digit
   password again using the remote control.
   -The password is set or changed.

8 Press [▲ ▼] to move to <**On/Off**>, then press [**OK**].
   -The <**On/Off**> Menu will appear.

9 Press [▲ ▼] to move to <**On**>, then press [**OK**].
   -You can block specific channels or select:
    <**TVPG Rating**>, <**MPAA Rating**>, <**Can.English Rating**>,
    <**Can.French Rating**>.
    Pressing <**Off**> will unblock the channels.

10 Press [**EXIT**] to exit the menu.

TVPG Rating

You can block programs based on the TV program rating.

1 Press [**MENU**].
 -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
 -The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**V-Chip**>, then press [**OK**].
 -The <**Password Dialog Box**> Menu will appear.

4 Enter your 4-digit password using the keypad (0~9).
 -The <**V-Chip**> Menu will appear.

5 Press [▲ ▼] to move to <**TVPG Rating**>, then press [**OK**].
 -The <**TVPG Rating**> Menu will appear.

6 Press [▲ ▼], [◄►] to move to a rating, then press [**OK**].
 -The lock symbol will be marked, and the rating will be set.
 Pressing [**OK**] will display the Unlock symbol and cancel
 the setting.

7 Press [**EXIT**] to exit the menu.

Useful Tips

☞ Description of the TV (FCC) Rating Codes:

TV (FCC) Age Categories

- **TV-MA** : Mature audiences only. This program may contain mature themes, profane language, graphic violence and explicit sexual content.

- **TV-14** : Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.

- **TV-PG** : Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialog and situations.

- **TV-G** : General audience. This contains little or no violence, no strong language, and little or no sexual dialog or situations.

- **TV-Y7** : Directed for older children. Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of seven.

- **TV-Y** : All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages two - six.

TV (FCC) Content Sub-Categories:

- **V** : Violence.
- **S** : Sexual content.
- **L** : Offensive language.
- **D** : Dialog...sexual innuendo.
- **FV** : Fantasy or cartoon violence.

TV (FCC) Guidelines:

Suppose, for example, the TV-PG rating and all of its V, S, L and D sub-categories are locked. In that case, all of the "more restrictive" ratings (TV-14 and TV-MA) and all of their V, S, L and D sub-categories are automatically locked out as well. The two groups (TV-Y/TV-Y7 and TV-G/TV-PG/TV-14/TV-MA) are controlled independently.

MPAA Ratings

Restricting movies by their rating.

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Setup**>, then press [**OK**].
-The <**Setup**> Menu will appear.

3 Press [▲ ▼] to move to <**V-Chip**>, then press [**OK**].
-The <**Password Dialog Box**> Menu will appear.

4 Enter your 4-digit password (0~9) using the remote control.
The <**V-Chip**> Menu will appear.

5 Press [▲ ▼] to move to <**MPAA Rating**>, then press [**OK**].
-The <**MPAA Rating**> Menu will appear.

6 Press [▲ ▼], [◄ ►] to move to a rating, then press [**OK**].
-The lock symbol will be marked, and the rating will be set.
Pressing [**OK**] once more will display the Unlock symbol,
and will cancel the rating.

7 Press [**EXIT**] to exit the menu.

Useful Tips

☞ Description of the MPAA and TV (FCC) Rating Codes:

The MPAA Rating System (Movies)
- **G** : General Audience. No restrictions.
- **PG** : Children under 13 should be accompanied by an adult.
- **PG-13** : Parental guidance suggested. Children under 13 should be accompanied by an adult.
- **R** : Restricted. Viewers should be 17 or older.
- **NC-17** : Not classified. Viewers should be 17 or older.
- **X** : Adults only.

Canadian English Ratings

5 Press [▲ ▼] to move to <**Can.English Rating**>, then press [**OK**].
-The <**Can.English Rating**> Menu will appear.

6 Press [▲ ▼], [◄ ►] to move to a rating limit, then press [**OK**].
-The lock symbol will be marked, and the rating will be set.
Pressing [**OK**] will display the Unlock symbols, and limit the view.

7 Press [**EXIT**] to exit the menu.

Canadian French Ratings

5 Press [▲ ▼] to move to <**Can.French Rating**>, then press [**OK**].
-The <**Can.French Rating**> Menu will appear.

6 Press [▲ ▼], [◄ ►] to select a rating, then press [**OK**].
-The lock symbol will be appear, and the rating will be set.
Pressing [**OK**] again will display the Unlock symbol and cancel the rating.

7 Press [**EXIT**] to exit the menu.

Captions Settings

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Caption**>, then press [**OK**].
-The <**Caption**> Menu will appear.

3 Press [▲ ▼] to move to <**On/Off**>, then press [**OK**].
-The <**On/Off**> Menu will appear.

4 Press [▲ ▼] to move to <**On**>, then press [**OK**].
-Captions will be activated.
-Selecting <**Off**> will cancel the captions.

5 Press [**EXIT**] to exit the menu.

Useful Tips
☛ If captions are <Off> and you cannot use <Analog Mode>, <Digital Mode>, or <Digital Font Option> to set up the Caption, you may choose a setting of <On>.

Analog Mode

The Analog Caption function operates in either analog RF channel mode or external input mode (Depending on the broadcasting signal, the Analog Caption function may operate for digital channels.).

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Caption**>, then press [**OK**].
-The <**Caption**> Menu will appear.

3 Press [▲ ▼] to move to <**Analog Mode**>, then press [**OK**].
-The <**Analog Mode**> Menu will appear.

4 Press [▲ ▼] to move to <**CC1~TEXT4**>, then press [**OK**].
-Analog Caption may be selected.
-Selecting <**Off**> will cancel the Captions.

5 Press [**EXIT**] to exit the menu.

Useful Tips
☛ If a caption source is not provided by the broadcasting station or by the videotape, subtitles will not be displayed.
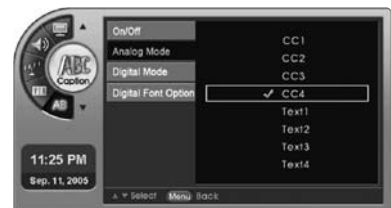
Digital Mode

The Digital Caption function operates for digital channels.

1 Press [**MENU**]. -The menu will appear.

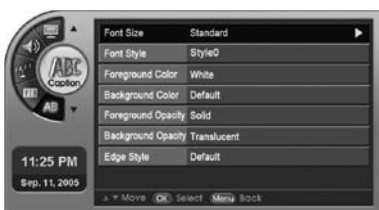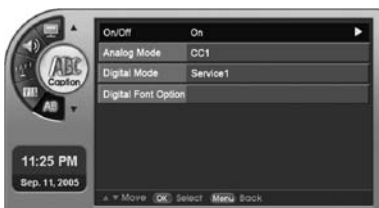**2** Press [▲ ▼] to move to <**Caption**>, then press [**OK**].
-The <**Caption**> Menu will appear.

3 Press [▲ ▼] to move to <**Digital Mode**>, then press [**OK**].
-The <**Digital Mode**> Menu will appear.

4 Press [▲ ▼] to move to <**Service1~Service6**>, then press [**OK**].
-Digital Caption may be set.
-Selecting <**Off**> will cancel Digital Captions.

5 Press [**EXIT**] to exit the menu.

Useful Tips
☛ If the broadcasting station or videotape does not provide subtitles, there are no viewing captions.
☛ Alternate method to the above method: Simply press the <CAPTION> button on the remote control.
☛ The availability of captions depends on the particular program being broadcast.

Digital Font Options

1 Press [**MENU**]. -The menu will appear.

2 Press [▲ ▼] to move to <**Caption**>, then press [**OK**].
-The <**Caption**> Menu will appear.

3 Press [▲ ▼] to move to <**Digital Font Option**>, then press [**OK**].
-The <**Digital Font Option**> Menu will appear.

4 Press [▲ ▼] to select <**Size~Edge Style**>, select the font type mode, then press [**OK**].

- **Size**: Adjust the digital caption font size to default, small, standard or large.
- **Style**: Either default or style0 through style7 can be selected.
- **Background/Foreground Color**: Either default or from white to cyan can be selected.
- **Background/Foreground Opacity**: Either default or Solid to Flashing can be selected.
- **Edge Style**: Either default or none to Right Drop Shadow.

5 Press [**EXIT**] to exit the menu.

Checking Items before Connecting to a PC

Check the list below before connecting a PC to the TV.

Precautions

- Set your resolution and frequency to a resolution supported by the TV.
- Refer to the instructions when connecting a PC (graphics and sound cards).
- Do not connect the power unless all connections have been completed.
  Severe damage can be caused if the power is on while devices are being connected.
- Check the terminal of the PC Graphics Card.

Standard Display Settings

If the signal from the computer is the same as one of the following standards, then your monitor can be set up automatically. But if it is different, only the power light will be on or the screen will be blank.
Please refer to your instruction manual and adjust the frequency accordingly.

Resolution (dot x line)	Vertical Frequency [Hz]								
640 X 350	85 Hz								
640 X 400	85 Hz								
720 X 400	70 Hz	/	85 Hz						
640 X 480	60 Hz	/	72 Hz	/	75 Hz	/	85 Hz		
800 X 600	56 Hz	/	60 Hz	/	72 Hz	/	75 Hz	/	85 Hz
1024 X 768	60 Hz	/	70 Hz	/	72 Hz	/	75 Hz	/	85 Hz
1280 X 768	60 Hz								
1360 X 768	60 Hz								

PC Settings

1 First, click on **Settings** on the Windows **Start** menu and click on "**Control Panel**".

2 Double click on the **Display** icon.

3 Click the "**Settings**" tab, and select the correct TV-supported screen resolution. You do not need to adjust the color quality.

4 Click the "**Advanced**" button. A new window will appear.

5 Select the "**Monitor**" tab, and select the correct screen frequency. You can select the vertical & horizontal frequency if you cannot use the screen frequency.

6 Press "**OK**", close the window, and press "**OK**" in the Display Properties window.

7 Turn off the PC and connect to the TV.

Useful Tips

☛ This may differ depending on your PC and Windows version.
☛ The TV can support up to 32 bit color when used as a computer monitor.
☛ The display may differ depending on the manufacturer and the Windows version.
☛ You must select a display resolution that is supported by the TV when connecting to a PC (DVI included) otherwise a "Display Mode Not Supported" message will appear.

Troubleshooting Guide

If you are having problems with using the TV, please consult this guide below. If this guide does not help resolve the problem, please contact Technical Support by phone at 1-800-681-2629 or 718-416-3197, or by email at techsupport@cobyusa.com. Our hours are Monday to Friday, 8:30 AM–8:30 PM EST and Saturday to Sunday, 9:00 AM–5:30 PM EST.

Setup and Connection

Problems	Solve
The TV won't turn on.	▪ Check your power cable connection.
I can't view the Basic channels.	▪ Check the connection of the antenna cable.
I want to view cable channels.	▪ Register with your local cable company then connect their receiver to your TV.
I want to view satellite channels.	▪ Set up your parabolic satellite antenna then connect your satellite receiver to the TV.
Digital broadcasting is not functioning.	▪ Check your antenna cable connection. ▪ Check if the digital channel selection is correctly connected to your antenna cable.

Menu and Remote Control

Problems	Solve
The Remote Control isn't functioning well.	▪ Press [input selection] to select the device to play. ▪ Change the batteries. ▪ Check the polarity of the batteries. ▪ Check the angle of the remote control from the product or if there are any obstacles between the remote control and the product. ▪ Check if you have pressed the correct key for the correct option. ▪ Avoid positioning bright lights near the TV that shine a strong light on the TV remote sensor.
I cannot change channels with the remote control.	▪ Press [input selection] and select <TV>. ▪ Try to use the remote control for the cable or satellite receiver to change the channel.
External input channels cannot be selected.	▪ Check your external input connection cable.
A Menu cannot be selected.	▪ If a menu option is grayed out then the option is currently not applicable.

Sound

Problems	Solve
Poor quality sound	▪ Check if the program is in stereo. ▪ Stereo may not work well in areas with bad reception. Try using Mono for these areas.
Sound is malfunctioning while using a cable.	▪ Check your sound connecting cable. ▪ Check if other channels also have no sound. ▪ If there are images but no sound, press the volume buttons to increase the sound. ▪ Press the volume buttons to increase the sound. ▪ Try watching a video (if the video has sound, check your cable company). If there is no problem with the cable receiver, then call our customer service. ▪ Check if the internal speakers are <OFF>.
There is a malfunction after the volume is increased	▪ Try to adjust the external devices connected to the TV (Digital channel receiver, DTV, DVD, Cable channel receiver, video) ▪ If you can adjust your sound, try to balance the volume of the TV and the external device.

Troubleshooting Guide

Screen

Problems	Solve
Poor picture	▪ Is the power cord unplugged? Make sure the power cable is plugged in correctly, then press the power of the remote control.
Black picture	▪ Check if external input mode is selected ▪ Press [external input selection] and select TV
Lined and flickering picture.	▪ Try to use the "Fine Tune" channel adjustment. ▪ Avoid using cordless phones, hair dryers or electrical drills near the TV.
Disfunctioning channels.	▪ Check if the channel has been selected correctly. ▪ Try changing the position of the antenna.
Picture with white and black dots.	▪ Check if your antenna is damaged or any connections are broken. ▪ Replace your antenna.
Only certain channels are in black and white	▪ Check if the program is being broadcast in "black and white". ▪ Check the color hue or contrast settings.
The Sub-Screen is black.	▪ Check the power of the external device connected to the TV. ▪ If the power cord is disconnected, the screen will be black.
Automatic turn-on is inactive.	▪ When turning off your TV, you need to use the remote control or press the power button on the TV. (If you pull the plug on the TV, the settings will be deleted.)

Channel

Problems	Solve
The channels are not functioning.	▪ Connect the antenna connectors again. ▪ Set to memorize channels in the automatic channel setting again. ▪ Query the particular broadcasting station.
A limited number of channels are not functioning.	▪ Change the location or direction of the antenna. ▪ Try to select a few channels using numbers and memorize them using the add/delete button. ▪ Query the broadcasting station.
Only UHF (14 ~ 69) Channels are unavailable.	▪ Check if the antenna is able to receive UHF.

Monitor

Problems	Solve
The PC Screen continually appears and disappears.	▪ Check the connection between the TV and the computer and see if the connector is locked.
A "There is no signal" message appears.	▪ This happens if the signal from the video card is too much for the maximum resolution or frequency of the TV. Try to set the maximum resolution or frequency for the TV. ▪ See if the PC is in power save mode. (This is deactivated when any key is pressed or the mouse is moved)
The screen is unclear and blurry.	▪ Change the frequency and phase adjustment. ▪ Change the Resolution and frequency to the standard limit. (1024x768 @ 60Hz)

Specifications

Model name		TF-TV2609
LCD	Size	26″ Diagonal
	Display Size	580.8 mm (H) x 328.8 mm (V)
	Pixel Pitch	0.1405 mm (H) x 0.4215 mm (V)
	Pixel Number	1366 x 768 (WXGA)
	Type	a-Si TFT active matrix
	Brightness	500 cd / m^2
	Contrast Ratio	600 : 1
	Viewing Angle	176°(H) / 176°(V)
RF	Air	2 ch ~ 69 ch
	Cable	1 ch ~ 139 ch
TV	Video System	NTSC-M (Analog), ATSC (Digital)
	Sound System	MTS
VIDEO	Color System	NTSC-M
	Video System	CVBS, S-VHS
Component	Video Input	480i, 480p, 720p, 1080i
	Audio Input	500 mVrms
PC	Frequency Horizontal	30 ~ 60 kHz
	Frequency Vertical	60 ~ 75 Hz
	Display Colors	16.7 million
	Resolution Maximum	1280 x 1024, 60 Hz
	Resolution Optimum	1360 x 768, 60 Hz
Input Signal	Sync.	H/V Separate, TTL, P or N
	Video Signal	VHF, UHF : 75 ohm unbalanced
Audio Output		7W + 7W (2-Way, 4 Speaker, 8Ω)
Power Supply		Internal Type AC 110 ~ 240V, 50 / 60Hz
Power Consumption		Max. 115W
Stand-by Mode		< 3W
Dimensions (W x H x D)		27″ x 21.5″ x 4.1″
Weight		44.1 lbs
Accessories		Remote Control, 2 "AAA" Batteries, Operating Instructions Power Cord

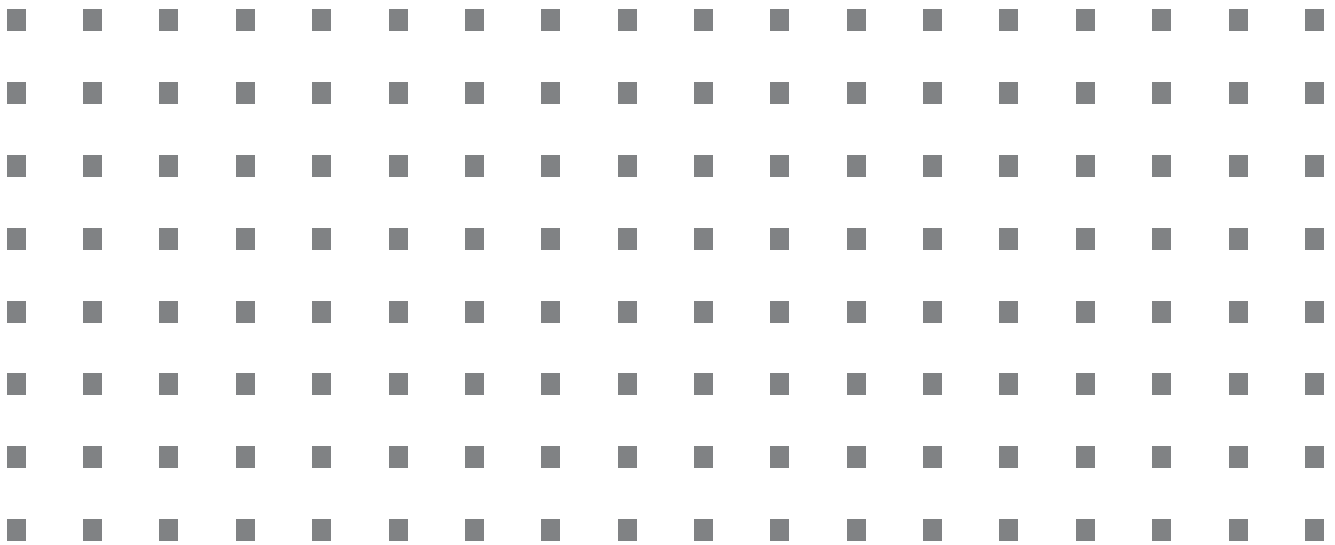☛ Design and specifications are subject to change without notice.

Specifications

Model name			TF-TV3209
LCD		Size	32″ Diagonal
		Display Size	697.69 mm (H) x 392.25 mm (V)
		Pixel Pitch	0.170 mm (H) x 0.510 mm (V)
		Pixel Number	1366 x 768 (WXGA)
		Type	a-Si TFT active matrix
		Brightness	500 cd / m^2
		Contrast Ratio	600 : 1
		Viewing Angle	176˚(H) / 176˚(V)
RF		Air	2 ch ~ 69 ch
		Cable	1 ch ~ 139 ch
TV		Video System	NTSC-M (Analog), ATSC (Digital)
		Sound System	MTS
VIDEO		Color System	NTSC-M
		Video System	CVBS, S-VHS
Component		Video Input	480i, 480p, 720p, 1080i
		Audio Input	500 mVrms
PC	Frequency	Horizontal	30 ~ 60 kHz
		Vertical	60 ~ 75 Hz
	Display Colors		16.7 million
	Resolution	Maximum	1280 x 1024, 60 Hz
		Optimum	1360 x 768, 60 Hz
Input Signal		Sync.	H/V Separate, TTL, P or N
		Video Signal	VHF, UHF : 75 ohm unbalanced
Audio Output			7W + 7W (2-Way, 4 Speaker, 8Ω)
Power Supply			Internal Type AC 110 ~ 240V, 50 / 60Hz
Power Consumption			Max. 145W
Stand-by Mode			< 3W
Dimensions (W x H x D)			31.9″ x 25″ x 4.1″
Weight			55.1 lbs
Accessories			Remote Control, 2 "AAA" Batteries, Operating Instructions Power Cord

☛ Design and specifications are subject to change without notice.

Memo

Memo

P/N : 941261P1CB01