

# MAXENT

## ML-3251HLT INSTRUCTION MANUAL



# ML-3251HLT

LCD TV

## OWNER' S MANUAL

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**IMPORTANT:**

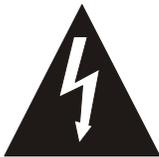
The serial number of this product may be found on the back of the unit. You should record the number and other vital information here and retain this manual as a permanent record to aid identification in case of theft. Serial numbers are not kept on file.

Model No: ML-3251HLT

Serial No:

## IMPORTANT INFORMATION

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



The lightning flash with arrowhead symbol, within triangle, 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.



The exclamation point within a triangle is intended to alert the user the presence of important operating and maintenance (servicing) instruction accompanying the product.

## IMPORTANT INFORMATION

**WARNING:** FCC Regulations state that any unauthorized changes or modifications to this equipment not approved by the manufacturer could void the user's authority to operate this equipment.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

### SERVICE INSTRUCTIONS:

No user-serviceable parts inside, refer servicing to qualified service personnel.

"Note to CATV SYSTEM installer. This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground has to be connected to the grounding system of the building, as close to the point of cable entry as practical."

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities .

## IMPORTANT SAFETY PRECAUTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled . This product has been engineered and manufactured with safety being the highest as a priority. However, improper use can result in personal injury and / or property damage.

**Read instructions** - All operating instructions must be read and understood before the product is operated.

**Keep this manual in a safe place** - These safety and operating instructions must be kept in a safe place for future reference.

**Observe warnings** - All warnings on the product and in the instructions must be observed closely.

**Follow instructions** - All operating instructions must be followed.

**Attachments** - Do not use attachments not recommended by the manufacturer. Use of inadequate attachments can result in accidents.

**Power source** - This product must be operated on a power source specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company. For units designed to operate on batteries or another power source, refer to the operating instructions.

**Power cord protection** - The power cords must be routed properly to prevent people from stepping on them or objects from resting on them.

If the AC adapter is misplaced or needs to be replaced, obtain the same type of adapter from our service center or your dealer.

**Overloading** - Do not overload AC outlets or extension cords.

Overloading can cause fire or electric shock.

**Entering of external objects and liquids** - Never insert an object into the product through vents or openings. High voltage flows in the product. Inserting objects can cause electric shock and/or short circuit internal parts. Also, do not spill water, or any other liquid on the product.

**Servicing** - Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.

**Repair** - If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.

- a. When the power cord or plug is damaged.
- b. When a liquid was spilled on the product or when objects have fallen into the product.
- c. When the product has been exposed to rain or water.
- d. When the product does not operate properly as described in the operating instructions.

Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

- e. When the product has been dropped or damaged.
- f. When the product displays an abnormal picture.
- g. Any noticeable abnormality in the product.

**Replacement parts** - In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer.

**Safety check** - Upon completion of service or repair work, request the service technician to perform safety check to ensure that the product is in proper operating condition.

**Wall or ceiling mounting** - When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.

**Polarization** - This AC adapter may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way . This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still doesn't fit, contact your electrician to replace your obsolete Outlet. Do not alter the safety purpose of the polarized plug.

# IMPORTANT SAFETY PRECAUTIONS (Continued)

**Cleaning** - Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid or aerosol Cleaners.



**Water and moisture** - Do not use the product near water, such as bathtub, washbasin, kitchen sink and laundry tub, swimming pool and in a wet basement.



**Stand** - Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer's instruction. Use only the mounting hardware recommended by the manufacturer.



**When relocating the product**, place it on a cart. It must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.



**Ventilation** - The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installations; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instruction is followed.



The Liquid Crystal panel used in this product is made of glass. Therefore, it can break when the product is dropped or when pressure is applied. Be careful not to injure yourself from broken glass in case the Liquid Crystal Panel breaks.

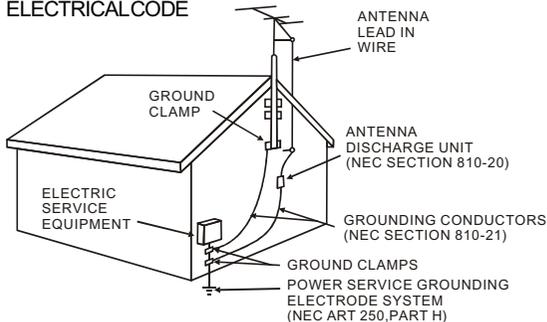


**Heat sources** - Keep the product away from heat sources such as radiators, heaters, stoves, and other heat-generating products (including amplifiers).



If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper 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 electrode, and requirement for the grounding electrode.

**EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE**



**Lightning** - For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surge.



**Power Lines** - An outside 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 outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



To prevent fire, never place any type of candle or naked flames on the top or near the TV set.



To prevent fire or shock hazard, do not expose this product to dripping or splashing liquids. No objects filled with liquids, such as vases, should be placed on the product.



The Liquid Crystal panel is a very high tech product which includes 921,600 thin film transistors, giving you fine picture details. Occasionally, a few non-native pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

# IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions thoroughly.
- 2) Keep these instructions for future reference.
- 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 alter the 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 you're 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 when 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.
- 15) **WARNING:** TO reduce the risk of fire or electric shock, do not expose this apparatus to rain or misture.
- 16) Apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- 17) **CAUTION** - Danger of explosion if battery is improperly replaced. Replace only with the same or equivalent type.



Use of controls or the performance of procedures other than those specified may result in hazardous radiation exposure.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT marking is located on the rear panel.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible and invisible laser radiation when open and interlocks defeated.

- Do not stare into beam
- This product contains a low power laser device. To ensure continued safety, do not remove any cover or attempt to gain access to the inside of the product.



This symbol is known as the "Crossed-out Wheelie Bin Symbol", when this symbol is marked on a product, it means that the product should not be disposed of with your general household waste. Only discard electrical/electronic items in separate collection schemes which cater for the recovery and recycling of the materials contained within. Your co-operations is vital to ensure the success of these schemes and for the protection of the environment.

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## INTRODUCTION

Congratulations on purchasing the Maxent ML-3251HLT 32" LCD-TV with built-in DVD player. The ML-3251HLT is an advanced home entertainment product that provides convenient viewing of DVDs and other media. It can also be used with VCRs, games consoles and can even function as a PC monitor.

### Features

- Integrated LCD display and DVD player
- Large 32-inch LCD screen; Stereo speakers
- Supports diverse media and formats: **(80mm disc not available)**
  - DVD (+R, -R, +RW, -RW; NTSC)
  - Video CD (VCD 2.0, SVCD), Audio CD (CD-DA), CD-R, CD-RW
- DVD navigation functions
- Supports component video (S-Video) and composite video
- OSD menu display
- Full function remote control

### NOTE

You cannot play CD-G, CD-EXTRA, computer CD-ROM, or DVD-ROM discs.

You cannot play illegally produced discs.

You cannot play badly scratched discs.

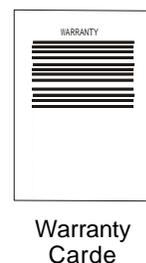
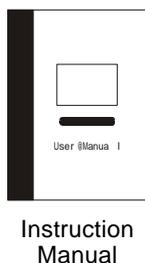
You cannot play discs that are dusty, soiled or marked with fingerprints.

This unit does not support DTS audio encoded DVD discs. If playing back a DTS encoded sound track, please use Dolby Digital track for audio.

## SUPPLIED ACCESSORIES

Make sure the following accessories are included in the product packaging.

1. Remote Control x 1
2. "AAA" Size Battery x 2
3. Instruction Manual x 1
4. Quick Start Guide x 1
5. Warranty Card x 1



## PREPARATION

### Using the Remote Control

Use the remote control by pointing it towards the remote control sensor window on the main unit. Objects between the remote control and sensor window may prevent proper operation.

#### Cautions regarding use of the remote control

- Do not expose the remote control to shock.  
In addition, do not expose the remote control to liquid, and do not place in an area with high humidity.
- Do not install or place the remote control under direct sunlight. The heat may cause deformation of the unit.
- The remote control may not work properly if the remote control sensor window of the main unit is under direct sunlight or strong lighting. In such case, change the angle of the lighting or LCD TV set, or operate the remote control closer to the remote control sensor window.

### Installing the Batteries

Before using the LCD TV set for the first time, insert 2 "AAA" size batteries into the remote control (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new (AAA size) batteries.

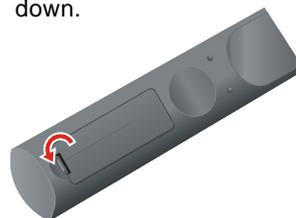
1 Press cover edge & pull it to open the battery cover



2 Insert both batteries noting the polarity markings.



3 Press the battery cover down.



### Caution !

#### Cautions regarding batteries

Improper use of batteries can result in chemical leakage and/or explosion. Be sure to follow the instruction below:

- Insert batteries with their terminals corresponding to the (+) and (-) as indicated in the compartment. Different types of batteries have different characteristics. Do not mix batteries of different types.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause the old battery to leak.
- Remove batteries when they become weak. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe clean with a cloth.
- The batteries supplied with the product may have shorter life expectancy due to storage conditions.
- If the remote control will not be used for an extended period of time, remove the batteries from the remote control.

# PREPARATION (Continued)

## Antenna Connection

### NTSC & ATSC (DTV) input connection

DTV (ATSC) and traditional NTSC broadcasts are distinctly different and requires two separate connections. There are two types of connectors: one for DTV (ATSC) and one for traditional TV (Analog NTSC). If you are currently subscribing to regular TV from your local cable TV provider or via an antenna, use the Analog (NTSC) connector to receive regular TV broadcasts. If you are receiving DTV (ATSC) through your local cable provider or via an over-the-air antenna, use the DTV (ATSC) connector.

If you wish to use one antenna to receive both NTSC and DTV (ATSC) broadcasts, you must use a "Splitter" to divide your connection to feed signal into both connectors on the TV.

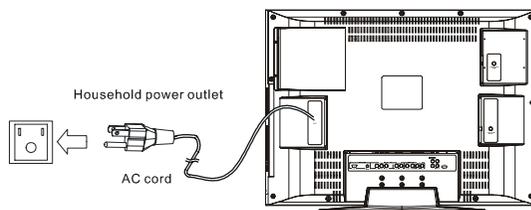


## Power Connection

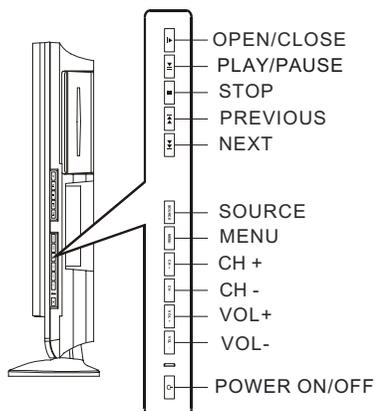
Plug AC cords (supplied) to wall outlet.

**NOTE**

- Use only a recommended AC plug adapter, if necessary, depending on the design of the wall outlet.
- Unplug the AC adapter from power outlet when not using the TV for a long period of time.



# LCD CONTROLS OVERVIEW

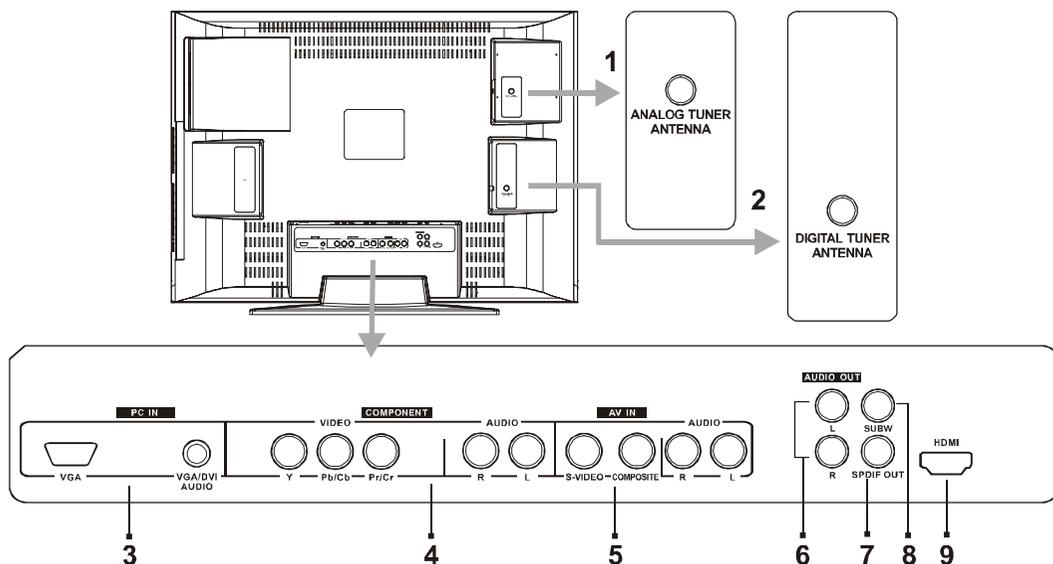


A red power indicator lights up when TV is in standby mode. The power indicator turns off when TV power is on.

**NOTE**

All buttons on the main unit have the same functions as the same buttons on the remote control. This operation manual provides a description based on operation with the remote control.

# CONNECTORS OVERVIEW



**1. ANALOG TUNER ANTENNA**

Connect to antenna plug with UHF/VHF antenna or cable system.

**2. DIGITAL TUNER ANTENNA**

Connect to antenna plug with ATSC system.

**3. PC IN**

Connect to the video output jack on your PC. Connect to audio out of your PC.

**4. COMPONENT IN**

Connect the component video input terminal to the component output terminal of the video out device. Connect the audio input terminal to the audio output terminal of the video output device.

**5. AV IN**

Connect to a source with composite or S-VIDEO out jack of your video equipment that has composite or S-VIDEO.

Connect the audio input terminal to the audio output terminal of the video output device.

**6. AUDIO OUT**

Connect to the left and right audio input jacks of your audio amplifier. You can use these outputs to listen to your TV's audio through your stereo system.

**7. SPDIF OUT**

Connect to the coaxial audio input of a digital audio equipment that is PCM/DOLBY digital compatible. (Coaxial out is only available for digital channels)

**8. SUBW**

Connect to a source with amplifier dealing with subwoofer input.

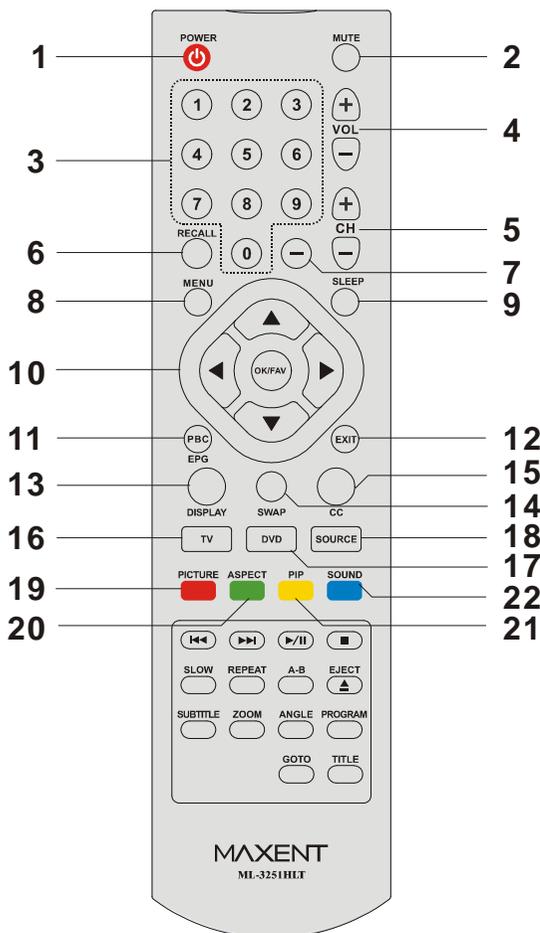
**9. HDMI**

HDMI (High-Definition Multimedia Interface) provides an uncompressed, all-Digital/Video interface between this TV set and any HDMI-equipped AUDIO/VIDEO equipment. Such as a DVD player, A/V receiver and a set-top box.

*ML-3251HLT incorporates HDMI™ technology  
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.*

# REMOTE CONTROL OVERVIEW

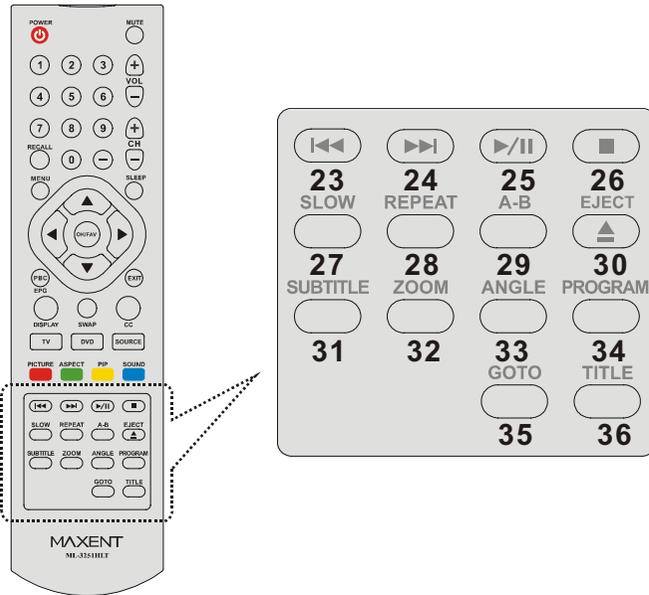
## Button Descriptions



- 1. POWER**  
Press to turn on or return from standby mode.
- 2. MUTE**  
Press to mute the sound. Press again to restore the sound.
- 3. 0-9**  
Press 0-9 to select a channel; the channel changes after 3 seconds.
- 4. VOL UP/DOWN**  
Press to adjust the volume.
- 5. CH UP/DOWN**  
Press to scan through channels. Press and hold down this button to scan quickly through channels.
- 6. RECALL**  
Press to jump back and forth between two channels. The TV alternates between the current and the last channel that was selected.
- 7. —**  
Press to switch antenna or cable TV.  
Press to show " - " (for ATSC channel input).
- 8. MENU**  
Press to display the menu screen.
- 9. SLEEP**  
Press repeatedly to call up the Sleep Timer menu for setting the sleep timer.
- 10. ▲/▼/◀/▶/OK/FAV**  
Press to move the cursor on screen to select an item and press the "OK/FAV " button to execute.  
In TV mode, press OK/FAV repeatedly to select the favorite program, If you have set the favorite program.
- 11. EPG/PBC**  
In ATSC, press to display EPG (Electronic Program Guide) menu.  
In VCD disc playback, press to select PBC menu on or off (PBC function only works for VCD disc with title menu).
- 12. EXIT**  
Press EXIT to exit from the menu screen.  
In DVD disc and VCD PBC on mode, press to return to the menu (if available).
- 13. DISPLAY**  
Display channel information in TV mode; Display disc information in DVD mode.
- 14. SWAP**  
Press to switch the content of main screen and PIP window. Details see page 24.
- 15. CC**  
Select the closed caption function.
- 16. TV**  
Press once to return back TV mode.
- 17. DVD**  
Press to return to DVD mode.
- 18. SOURCE**  
Select input source for TV, DTV, AV, DVD, COMPONENT, PC, HDMI etc.
- 19. PICTURE**  
Press to call up Picture menu.
- 20. ASPECT**  
Switches TV screen sizes to 16:9, 14:9, 4:3, ZOOM or PANORAMA.
- 21. PIP (picture in picture)**  
Switch PIP mode on/off. Details see page 24.
- 22. SOUND**  
Press repeatedly to cycle through the Multi-channel TV sound options: MONO, STEREO, SAP (if sound is available).  
During DVD playback, press to change the audio language (if DVD and VCD disc is available).

# REMOTE CONTROL OVERVIEW (Continued)

## Button Descriptions



### 23. ⏮

In disc play mode, hold repeatedly to skip back at 2x, 4x, 8x, 20x speed.

Press once quickly during playback to skip to the previous track/chapter.

### 24. ⏭

In disc play mode, hold repeatedly to skip forward at 2x, 4x, 8x, 20x speed. Press once quickly during playback to skip to the next track/chapter.

### 25. ▶/⏸

Press to start playback of a disc, press again to pause playback.

### 26. ■

Press once to pause and press again to completely stop playback of disc.

### 27. SLOW

In DVD function, Press repeatedly to select the slow motion speed.

### 28. REPEAT

In the DVD function, press to repeat the entire disc or individual chapter/tracks.

### 29. A-B

Repeats playback between A and B. Press once to insert A point and press again to insert point B. To cancel the function, press this button again

### 30. EJECT

Eject the disc from the DVD player.

### 31. SUBTITLE

In the DVD function, press to select the desired subtitle language (if available).

### 32. ZOOM

Press to ZOOM picture during DVD playback.

### 33. ANGLE

In the DVD function, press to view scenes from additional angles (if available).

### 34. PROGRAM

Program the order in which to view or listen to chapters or tracks.

### 35. GOTO

In disc play mode, press to jump to a specific title, chapter, track or counter position.

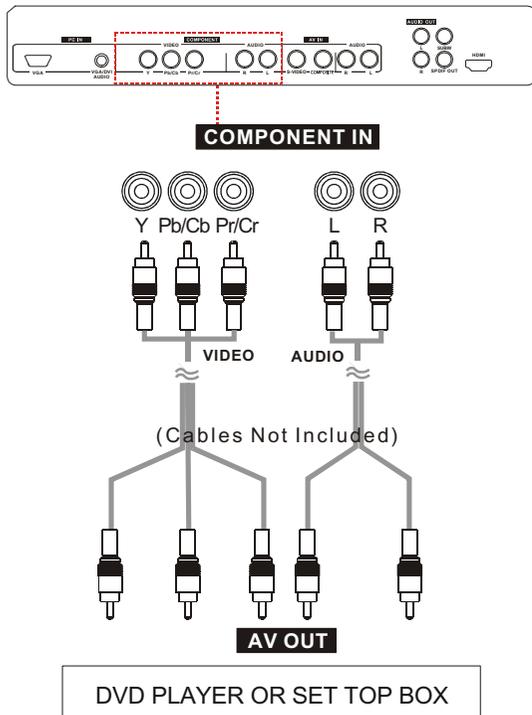
### 36. TITLE

When playing a DVD disc, press to go back to the title menu of disc.

# CONNECTING EXTERNAL DEVICES

## Connecting a DVD or Digital Set-Top Box

For best result, use this connection if your DVD player or digital set-top box has component video (Y, Pb/Cb, Pr/Cr) jacks.



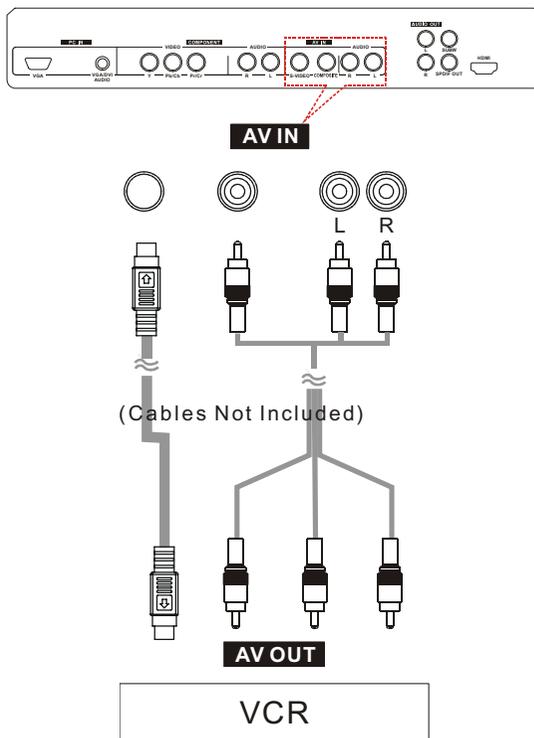
To watch a DVD or a broadcast from a set-top box using, the connection configuration shown above, press the SOURCE button on the remote control repeatedly to select COMPONENT as the input source.

## Connecting a VCR

You can use the S-Video terminal when connecting a VCR and other audio visual equipment (if there is an S-VIDEO output on the VCR. If there isn't, use the VIDEO (AV) terminals).

If use the S-Video terminal to connect other equipment, please follow below instruction:

1. Press MENU to display the MENU screen.
2. Press ▲/▼ to move the cursor to "Features", then press ►.
3. Press ▲/▼ to move the cursor to "AV connections" item, then press ►.
4. Press ◀/▶ to select S-Video.
5. Press EXIT to exit.



To watch a VCR image, select "AV" using SOURCE button on the remote control or front panel.

**NOTE**

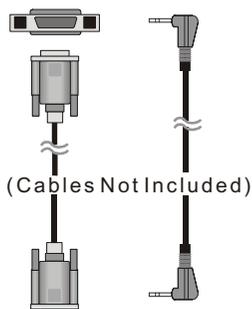
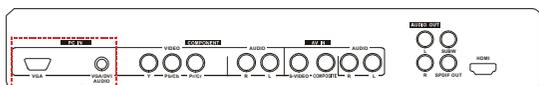
- If both AV and S-Video cables are connected, S-Video has high priority in AV mode.

# CONNECTING EXTERNAL DEVICES (Continued)

## Connecting a Personal Computer

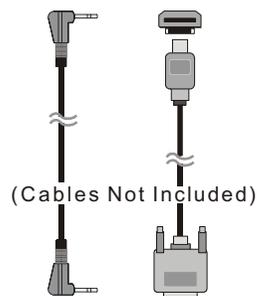
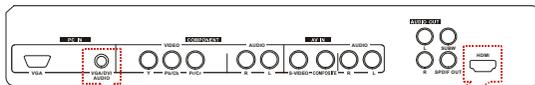
<Method 1>

1. Use a VGA cable to connect the jack to the VGA jack on your PC.
2. Connect computer sound card to 3.5mm phone jack.
3. Select "PC" using SOURCE button on the remote control or front panel.



<Method 2>

1. Use a HDMI-DVI cable to connect the jack to the DVI jack on your PC.
2. Connect computer sound card to 3.5mm phone jack.
3. Select "HDMI" using SOURCE button on the remote control or front panel.

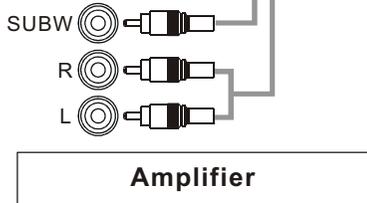
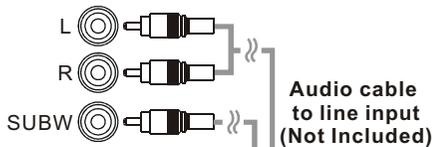
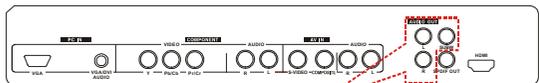


### NOTE

After you connect the PC, please enter "PICTURE" menu to set "AUTO ADJUSTMENT" to auto-sync the TV to the computer's output.

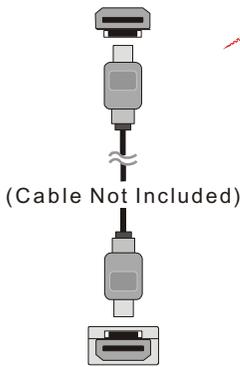
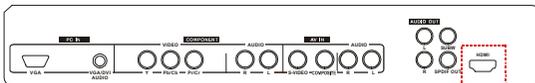
## Connecting an Audio System

For improve sound quality , you may want to play the TV's audio through your stereo system.



## Connecting a DVD with HDMI

Use a HDMI cable to connect the jack to the HDMI jack on your DVD Player.



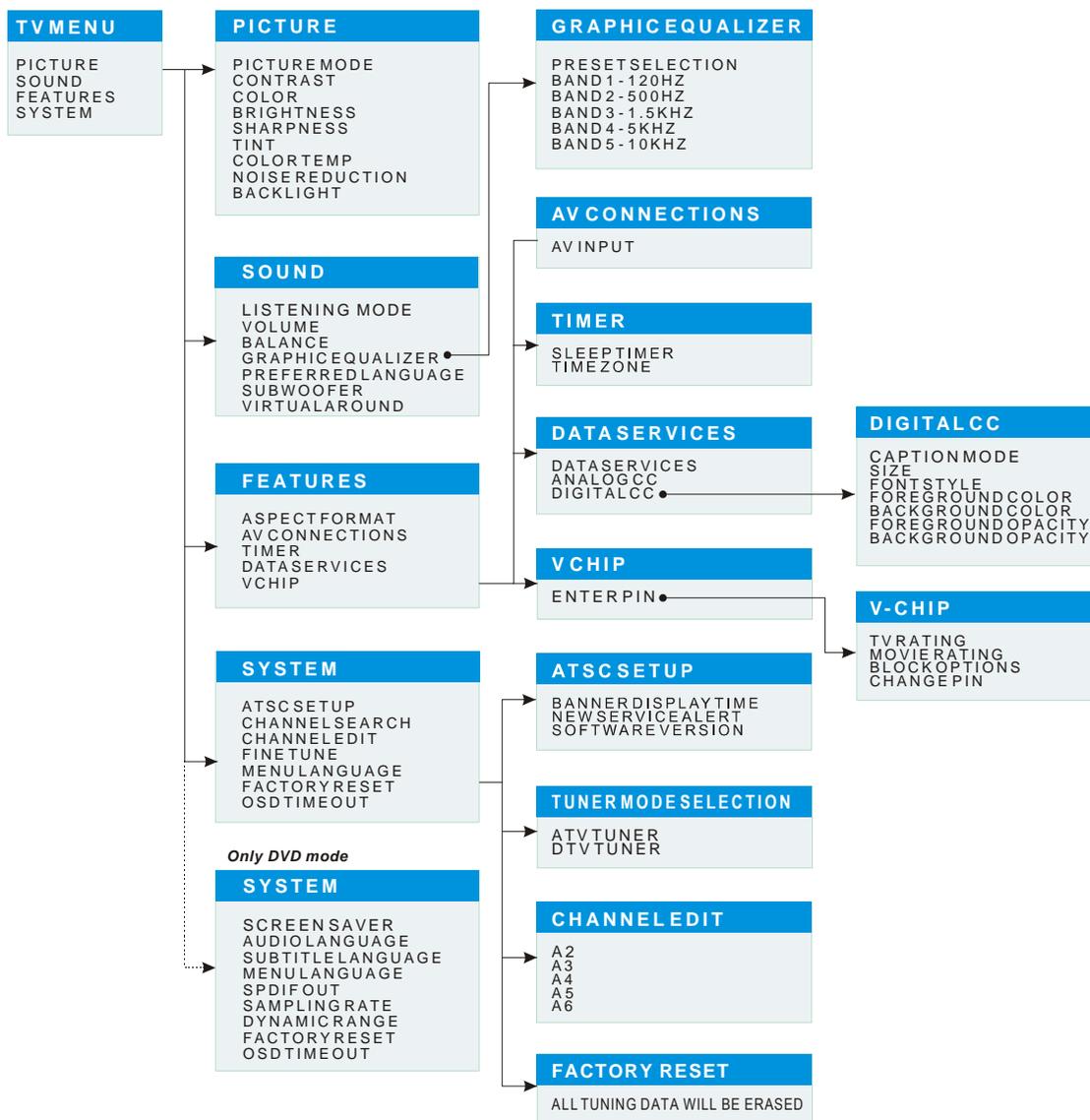
**NOTE** If you connect the SUBW, please enter "Sound" menu to set subwoofer "on".

# SELECTING MENU ITEMS

When Input Source is TV, AV

This LCD TV set allows you to adjust the various settings using the menu screen. Select the desired menu item by following the steps and then refer to the indicated page for details.

- 1 Press MENU to display the MENU screen .
- 2 Press either the ▲/▼/◀/▶ buttons on the remote control panel to select the sub-menu.
- 3 Press EXIT on the remote control to exit .



**NOTE**

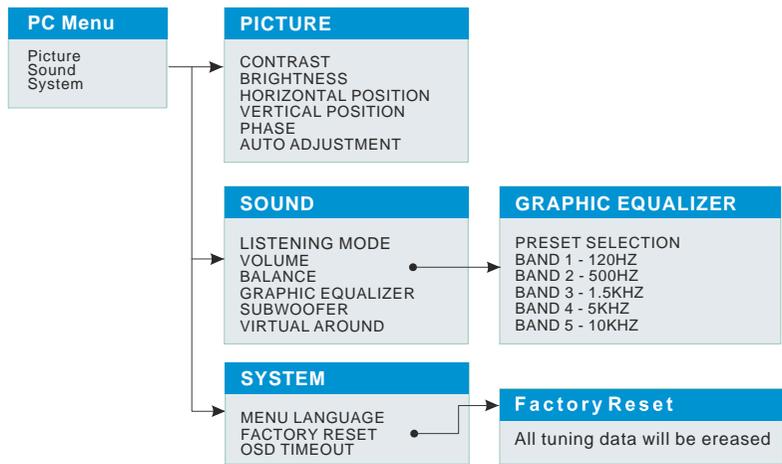
- The displayed items depend on the setting conditions.
- To return to the previous screen , press either MENU on remote control or on front panel.
- The options shown above are different when you connect a PC device. (For detail, please see next page)

# SELECTING MENU ITEMS (Continued)

## When Input Source is PC

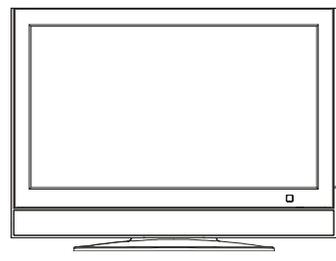
This LCD TV set allows you to adjust the various settings using the menu screen. Select the desired menu item by following the steps and then refer to the indicated page for details.

- 1 Press MENU to display the MENU screen .
- 2 Press either the▲/▼/◀/▶ buttons on the remote control to select the sub-menu.
- 3 Press EXIT on the remote control to exit .

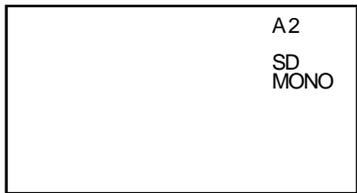


# BASIC OPERATION

## Turning the LCD TV on



- 1 Press power button located on the right side of the TV (or on the remote control) once.
2. The red power indicator turns off and main unit turns ON.
3. Press again to turn off the LCD TV.



**NOTE**

The on screen display disappears after a few second as right.

## Switching Between Input Sources [ AV/DVD/COMPONENT/PC/HDMI/TV]



- 1 Turn on the power of the connected video equipment.
- 2 Press SOURCE button on remote control or on front panel to select the applicable input source AV, DVD, COMPONENT, PC, HDMI and TV/DTV in sequence. The TV screen will show text indicating the selected input source each time the SOURCE button is pressed.

**NOTE**

The AV input mode indication will remain on the screen for 3 seconds.

# BASIC OPERATION (Continued)

## Changing the Volume on the remote control



- 1 Press VOL ( + ) to increase the volume. The bar indicator shifts to the right.
- 2 Press VOL ( - ) to decrease to volume. The bar indicator shifts to the left.

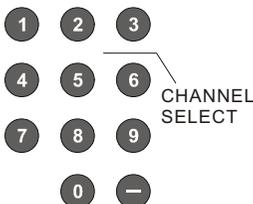


### To mute the sound

- 1 Press MUTE to temporarily turn off the sound. "Mute" is displayed on the screen.
- 2 Press MUTE or VOL ( + )/( - ) to turn the sound back to previous level. The mute function is automatically turned off when any of the following buttons are pressed: POWER, VOL ( + )/( - ).

## Changing Channels

- 1 Press CH ( + )/( - ) button to search the channels, the channel number will increase or decrease by 1 for each press excluding the skipped channels.
- 2 Press number buttons and " - " button to select the corresponding channel content. The time interval should not exceed 2 seconds.



**Example: to select Channel 113;**  
Complete the following procedure.

- 1 Please press 1 button.
- 2 Please press 1 button.
- 3 Please press 3 button.
- 4 Please press OK/FAV button to execute.



" - " button is for ATSC channel input.

3. Press RECALL button to switch between present channel and previous channel. (Only for DTV or TV input source.)

# FIRST-TIME SETUP

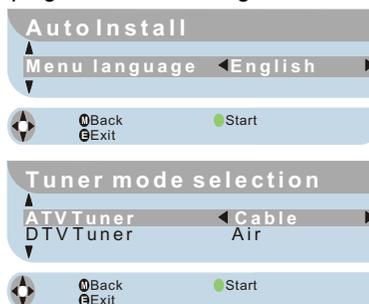
## First-Time Setup

1. Make sure that the antenna/cable is connected.



If you plug in the unit before you connect the antenna, channel search will not be able to preset channel into memory. If this occurs, check the cable/antenna connection and plug in the LCD TV again.

2. Connect the unit's power plug to an electrical outlet.
3. Press power button on the right side of the TV or on the remote control.
4. The "Auto Install" will automatically appear on the LCD TV. Use ◀/▶ buttons to select your desired language. Then press EXIT to escape the menu screen.
5. The "Tuner mode selection" will automatically appear on the LCD TV. Use ◀/▶ buttons to select Cable or Air for the ATV and DTV tuner. Then press EXIT to escape the menu screen.



# DISC PLAYBACK

## Inserting Media

1. Insert the disc, with the label facing the same direction as the front of the LCD display, into the disc slot.
2. Make sure the media type is set to disc.

## Playing Media

To start playback press ►/II. To interrupt playback, press ►/II again.

### NOTE

Some discs start playing automatically, and others display a menu on the TV screen.

**Use the arrow buttons to select a chapter or track, or press the number keys (0~9) to go to the desired chapter or track.**

To stop playback press ■.

### **Skip to another track/chapter**

Press ◀◀/▶▶ quickly during playback to skip to the next or previous track/chapter.

### **Fast search**

1. Hold ◀◀/▶▶ repeatedly to fast reverse or fast forward.
  - For DVD/CD discs
    - FF (fast forward): FF x 2, FF x 4, FF x 8, FF x 20.
    - FR (fast reverse): FR x 2, FR x 4, FR x 8, FR x 20.
2. To resume normal play, press ►/II .

### **Slow Motion Playback**

Press the SLOW button repeatedly to select the slow motion speed (forward): SF1/2, SF1/3, SF1/4, SF1/5, SF1/6, SF1/7.

## Using DVD Menus

1. Press TITLE button while playing a DVD disc.  
The title menu appears. The contents of the menu vary from disc to disc.
2. Use the arrow buttons to select the title (or chapter) you want to play. Depending on the disc, you can use the number buttons (0~9) to select the title or chapter.
3. Press OK to start playback.

### NOTE

- Depending on the DVD, a title menu may simply be called a menu or root menu in the instructions supplied with the disc.
- For some DVDs, when you press the TITLE, the playback will restart from the beginning of the disc.

## Checking the Information

You can check information about the disc, such as the total number of the titles or chapters or tracks or time, using the Display function. The information you want will appear on the TV screen.

1. Press the DISPLAY button to cycle through the disc information.
2. Press DISPLAY button again to hide the information.

# DISC PLAYBACK (Continued)

## Program Play

You can play the contents of the disc in the order you want by programming the order of the tracks to be played.

1. While playback is stopped, press PROGRAM to enter program mode.
2. Use the number buttons (0~9) to input the track number in the order you want.
3. Repeat step 2 to store other tracks.
4. To start the program play, press ►/II .
5. To stop playback, press ■ once.
6. To cancel the program, press ■ again.

PROG			
1 [--]	5 [--]	9 [--]	13 [--]
2 [--]	6 [--]	10 [--]	14 [--]
3 [--]	7 [--]	11 [--]	15 [--]
4 [--]	8 [--]	12 [--]	16 [--]
PLAY		CLEAR	

## Repeating Titles, Chapters, and Tracks

### DVD disc

Press REPEAT repeatedly to cycle through the following: REPEAT OFF > REPEAT TITLE > REPEAT CHAPTER.



### CD discs

Press REPEAT repeatedly to cycle through the following: REPEAT OFF > REPEAT ONE > REPEAT ALL.



### MP3

Press REPEAT repeatedly to cycle through the following: REPEAT OFF > REPEAT ONE > REPEAT DIR > REPEAT ALL.



## Search Function

Press GOTO button during playback or in the stop mode, the search screen appears on the TV screen, and you can press the number keys and ◀/▶ buttons to enter the title, chapter, track or time (depending on your disc type), and then press OK/FAV to select.

## A-B Repeating

This function allows you to mark a section of a chapter or track to repeat play.

1. Press A-B at the start point.
2. Press A-B again at the end point. The specific section repeats continuously.
3. Press A-B again to return to normal playback.

### NOTE

- The A and B points can be set only within the same chapter/track.
- After performing repeat play, be sure to press the STOP button or the disc will play continuously.

# DISC PLAYBACK (Continued)

## Angle Selection

Some DVD discs contain scenes which have been shot simultaneously from a number of different angles. For these discs, the same scenes can viewed from each of the different angles.

### To Change Angles

Press the ANGLE button to change the scenes from one angle to other angles.

## Picture Zooming

This function allows you to enlarge the picture on the TV screen and enlarge the image.

1. Press ZOOM repeatedly to select a zoom factor: ZOOM 2 >ZOOM 3 >ZOOM 4 >ZOOM 1/2 >ZOOM 1/3 >ZOOM 1/4 >ZOOM OFF.
2. Use the arrow buttons to move the zoomed picture left, right, up or down.

## Select Subtitle Language

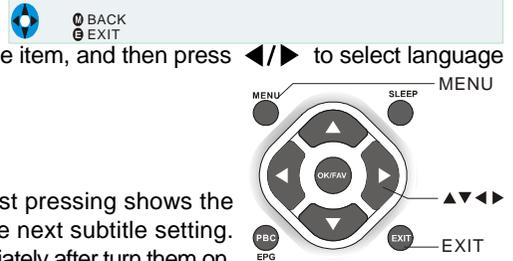
This function can only be used for DVD disc encoded in multi-subtitle languages.

You can change the subtitle language or hide the subtitle during playback.

Press SUBTITLE repeatedly to cycle through all available languages, or adjust subtitle using the menu screen. Select the desired language by following the steps:

1. Press MENU to display the MENU screen .
2. Press the ▲/▼ buttons to select the System, then press ►.
3. Press the ▲/▼ buttons to select the Subtitle Language item, and then press ◀/▶ to select language you desired.
4. Press EXIT to escape the menu screen.

SYSTEM	
▲ SCREEN SAVER	OFF
AUDIO LANGUAGE	ENGLISH
<b>SUBTITLE LANGUAGE</b>	<b>ENGLISH</b>
MENU LANGUAGE	ENGLISH
SPDIF OUT	OFF
SAMPLING RATE	48KHZ
DYNAMIC RANGE	FULL
FACTORY RESET	SELECT
▼ OSD TIMEOUT	5 SECONDS



### NOTE

- Pressing SUBTITLE button on remote control, the first pressing shows the current selection. Subsequent pressing toggles to the next subtitle setting.
- During some scenes, the subtitles may not appear immediately after turn them on.

## Select Audio Language

On some DVD discs, you may be able to change the audio format (including audio coding type, number of channels recorded and audio language).

During playback, you can change the audio language (audio output).

1. Press MENU to display the MENU screen .
2. Press the ▲/▼ buttons to select the System, then press ►.
3. Press the ▲/▼ buttons to select the Audio Language item, and then press ◀/▶ to select language you desired.
4. Press EXIT to escape the menu screen.

SYSTEM	
▲ SCREEN SAVER	OFF
<b>AUDIO LANGUAGE</b>	<b>ENGLISH</b>
SUBTITLE LANGUAGE	ENGLISH
MENU LANGUAGE	ENGLISH
SPDIF OUT	OFF
SAMPLING RATE	48KHZ
DYNAMIC RANGE	FULL
FACTORY RESET	SELECT
▼ OSD TIMEOUT	5 SECONDS



# DISC PLAYBACK (Continued)

## SPDIF Out

If your format of disc is Dolby Digital, select the PCM or RAW (Bitstream) output.

1. PCM: Select when connecting to a 2-channel digital stereo amplifier. The unit's digital audio output will only output 2-channels even if it is encoded with multi-channel Dolby Digital tracks.
2. Bitstream: Select Bitstream when connecting to an external amplifier capable of decoding Dolby Digital multi-channel audio.
3. OFF: Select OFF if you don't need SPDIF Out.

SYSTEM	
SCREEN SAVER	OFF
AUDIO LANGUAGE	ENGLISH
SUBTITLE LANGUAGE	ENGLISH
MENU LANGUAGE	ENGLISH
SPDIF OUT	OFF
SAMPLING RATE	48KHZ
DYNAMIC RANGE	FULL
FACTORY RESET	SELECT
OSD TIMEOUT	5 SECONDS

BACK EXIT

**NOTE**

This unit doesn't support DTS multi-channel format. If play DTS disc, it will be no audio on playback.

## Sampling Rate

1. 48K: If your sampling frequency of disc is 48KHz, please select 48K. In this case, the 96KHz signals will be down converted to 48KHz.
2. 96K: If your sampling frequency of disc is 96KHz, please select 96K. In this case, all signals will be output without any changes.

Instruction repeats step 1~4 of Select Subtitle.

SYSTEM	
SCREEN SAVER	OFF
AUDIO LANGUAGE	ENGLISH
SUBTITLE LANGUAGE	ENGLISH
MENU LANGUAGE	ENGLISH
SPDIF OUT	OFF
SAMPLING RATE	48KHZ
DYNAMIC RANGE	FULL
FACTORY RESET	SELECT
OSD TIMEOUT	5 SECONDS

BACK EXIT

## Setting Dynamic Range

Due to the wide dynamic range of digital audio, sometimes a sound track of a movie may get very loud (such as explosions) or very quiet sounds may be inaudible requiring the user to constantly adjust the volume as they watch a movie. Through this dynamic range control, the TV will automatically balance the very loud and the very quiet so that you don't have to constantly adjust the volume.

Selects the dynamic range compression to fit the individual listening situation of the audience. The variable range is from OFF, 2/8 to 6/8, or FULL.

- Full : Audio with fully compressed dynamic range.
- 6/8~2/8: Audio with partially compressed dynamic range.
- Off: Audio with uncompressed dynamic range.

Instruction repeats step 1~4 of Select Subtitle.

**NOTE**

The Dynamic Range settings only support Dolby Digital programs.

SYSTEM	
SCREEN SAVER	OFF
AUDIO LANGUAGE	ENGLISH
SUBTITLE LANGUAGE	ENGLISH
MENU LANGUAGE	ENGLISH
SPDIF OUT	OFF
SAMPLING RATE	48KHZ
DYNAMIC RANGE	OFF
FACTORY RESET	SELECT
OSD TIMEOUT	5 SECONDS

BACK EXIT

# ADJUSTMENT

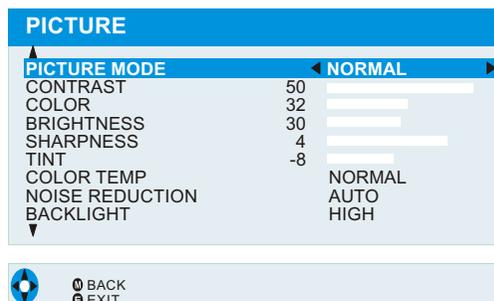
## Adjusting Picture settings

### Directly adjust Picture setting using the remote control

- PICTURE 
- 1 Press the PICTURE button to display the Picture screen.
  - 2 Press ▲/▼ to move the cursor to Picture menu, then press ►.
  - 3 Press ▲/▼ to move the cursor to the desired item.
  - 4 Press ◀/▶ to change the setting.
  - 5 Press EXIT to close the menu screen.

### Picture adjustments have different menu options depending on if you are in TV mode or PC mode.

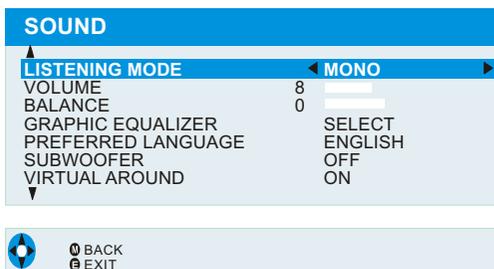
- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to Picture menu, then press ►.
- 3 Press ▲/▼ to move the cursor to the desired item.
- 4 Press ◀/▶ to change the setting.
- 5 Press EXIT to close the menu screen.



## Adjusting Sound setting

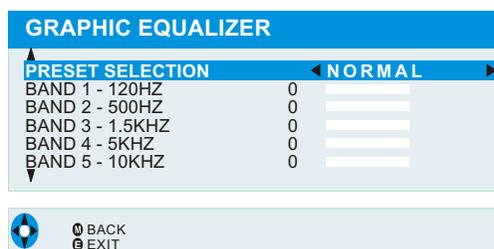
### Sound adjustments have different selection options depending on TV mode, AV mode (signal from an external device) or PC mode.

- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to Sound menu, then press ►.
- 3 Press ▲/▼ to move the cursor to the desired item.
- 4 Press ◀/▶ to change the setting.
- 5 Press EXIT to close the menu screen.



## Adjusting Graphic Equalizer setting

- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to Sound menu, then press ►.
- 3 Press ▲/▼ to move the cursor to the desired item.
- 4 Press ◀/▶ to change the setting.
- 5 Press EXIT to close the menu screen.

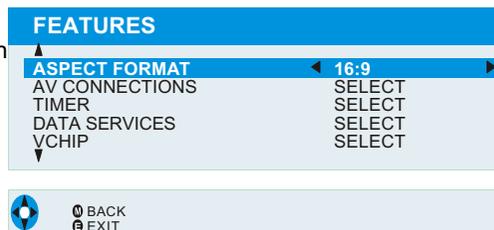


### NOTE

If you select the item of "User" in Preset Selection, the graphic equaliser will return to your last setting.

## Adjusting Feature settings (except PC mode)

- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to Features menu, then press ►.
- 3 Press ▲/▼ to move the cursor to the desired item.
- 4 Press ◀/▶ to change the setting.
- 5 Press EXIT to close the menu screen.



# ADJUSTMENT (Continued)

## Sleep Timer Function

You can set the Sleep Timer to automatically turn off the TV.

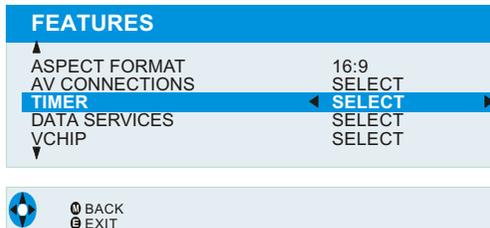
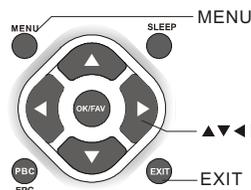
• **Directly setting the Sleep Timer using the remote control**

- 1 Press the SLEEP button to display the Timer screen.
- 2 Press ◀/▶ button to set the sleep timer (in minutes), the timer can be set from 15 minutes up to 120 minutes (Off > 15 >30 >60 > 90 >120 ).
- 3 Press EXIT to close the menu screen.



• **Setting the Sleep Timer using the MENU screen**

- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to Feature menu, then press ▶ .
- 3 Press ▲/▼ to move the cursor to the Timer item, then press ▶ .
- 4 Press ◀/▶ to set the sleep timer (in minutes). The time can be set 15 minutes up to 120 minutes. The Sleep timer is turned off when Off is displayed.
- 5 Press EXIT to close the menu screen.



**NOTE** In PC mode, the SLEEP button is invalidity.

## Setting of V-Chip

### V-Chip Function (Parental Control)

This function prevents children from viewing materials that may be inappropriate for minors due to violent and/or sexual content.

Restriction of programs includes two ratings that contain information about the program: the Movie Ratings (MPAA) and the TV Ratings (TV Parental Guidelines). The Movie Ratings is restricted by age. TV Ratings are restricted by age and content.

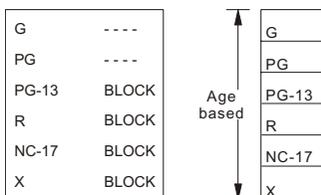
Since a TV program may use either the TV Ratings or the Move Ratings ,both should be adjusted for complete control.

RATING		
Age based	G	GENERAL AUDIENCES. All ages admitted.
	PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children
	PG-13	PARENTAL STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
	R	RESTRICTED. Under 17 requires accompanying parents or adult guardian.
	NC-17	NO ONE 17 AND UNDER ADMITTED.
	X	X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.

### Movie Ratings

**Example 1:**

PG-13 in the age-based rating system is blocked, this will also automatically block the higher rating R, NC-17 and X.

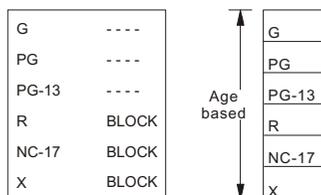


1. User setting

2. Block table

**Example 2:**

R in the age-based rating is blocked, this will also automatically block the higher ratings NC-17 and X



# ADJUSTMENT (Continued)

## Setting of V-Chip

### TV Ratings

RATING		Content based				
		FV (Fantasy Violence)	V (Violence)	S (Sexual Situation)	L (Adult Language)	D(Sexually Suggestive Dialog)
Age based	TV-Y (All children)	*	*	*	*	*
	TV-Y7 (Direct to Older Children)	x	*	*	*	*
	TV-G (General Audience)		*	*	*	*
	TV-PG (Parental Guidance Suggested)		x	x	x	x
	TV-14 (Parents Strongly Cautioned)		x	x	x	x
	TV-MA (Mature Audience Only)		x	x	x	

\*: The content rating can be set, but this rating is not normally broadcasted by TV stations.

x: The content rating can be set.

### Example :

When TV-Y7 in the age-based rating is set to BLOCK, this will automatically block the higher ratings: TV-G, TV-PG, TV-14 and TV-MA. In addition, D, L, S, V and FV in CONTENT are automatically blocked unless you manually set BLOCK CONTENT.

#### 1. User setting

TV-Y	---
TV-Y7	BLOCK
TV-G	BLOCK
TV-PG	BLOCK
TV-14	BLOCK
TV-MA	BLOCK

#### 2. Block table

		Content based				
		FV	V	S	L	D
Age based	TV-Y					
	TV-Y7					
	TV-G					
	TV-PG					
	TV-14					
	TV-MA					

select block  
 auto-block

To use this feature, perform the following setup.

- Press MENU to display the MENU screen.
- Press ▲/▼ to move the cursor to Feature menu, then press ►.
- Press ▲/▼ to move the cursor to the V-Chip item, then press ►.
- The first password is 0000. After key in password the V-Chip screen appear.



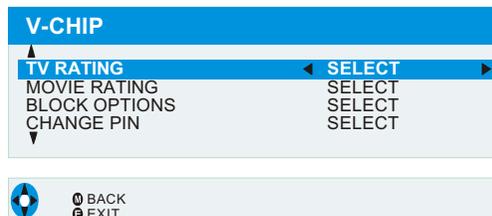
**NOTE** While you enter the 4-digit number, these numbers will be shown on the screen to help the user confirm his/her password settings. However, the password will not be display on screen the next time you enter this menu. Star signs "\*" will be shown instead.



- In the V-chip setting, press ▲/▼ to the desired option.
- Please press the arrow buttons to select and adjust the rating level that you'd like to block.
- Press MENU to return to the main screen.

### NOTE

- If you set G to block, all rating are automatically blocked.
- If you set X to block, G, PG, PG-13, R, NC-17 are not blocked.



# ADJUSTMENT (Continued)

## Adjusting CLOSED CAPTION Settings

### SETTING CLOSED CAPTION

"Closed Caption" is a system which allows conversations, narration, and sound effects in TV programs and home videos to be viewed as captions on the TV screen.

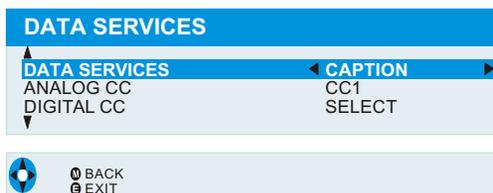
Not all programs and videos will offer closed captioning. Please look for the "CC" symbol to ensure that captions are available.

Closed Caption broadcasts can be viewed in two modes: CAPTION and TEXT. For each mode, four selections are available. The CAPTION mode shows subtitles of dialogs and commentaries of TV dramas and news programs while allowing a clear view of the picture.

The TEXT mode display various information over the picture (such as TV program schedules and weather forecasts, etc.) that is independent of the TV programs.

### Setting the CLOSED CAPTION option from the MENU screen

- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to Features menu, then press ►.
- 3 Press ▲/▼ to move the cursor to the Data services option, then press ►, the Data services screen will appear (or press CC button directly to call up the screen).
- 4 Use the arrow button to move the cursor to the Closed Caption.
- 5 Please press the arrow buttons to select and adjust the Closed Caption function.
- 6 Press EXIT to close the menu screen.



### NOTE

- Closed Caption may not work properly (white blocks ,strange characters ,etc.) if signal conditions are poor or if there are problems at the broadcast source. This does not indicate a problem with your set.
- If any button is pressed to call up the menu screen while viewing a Closed Caption broadcast, the closed captions will disappear momentarily.

## Adjusting System settings

### System adjustments have different menu options depending on TV, DVD or PC mode.

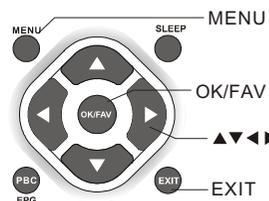
- 1 Press MENU to display the MENU screen.
- 2 Press ▲/▼ to move the cursor to System menu, then press ►.
- 3 Press ▲/▼ to move the cursor to the desired item.
- 4 Press ◀/▶ to change the setting.
- 5 Press EXIT to close the menu screen.



## Channel Edit (Only TV mode)

This feature allows you to erase channels that were added when you used the "Channel search" feature. It also allows you to set favorite channels.

1. Press MENU to display the MENU screen .
2. Press the ▲/▼ buttons to select the System, then press ►.
3. Press the ▲/▼ buttons to select the Channel Edit item, and then press ►.
4. Press the ▲/▼ buttons to select a channel you want to edit. Press red button to erase or press green button to set to favorite channel.
5. Press EXIT to close the Channel Edit screen.



If you have set favorite channels, press OK/FAV on remote control to select the favorite channels.

# ADJUSTMENT (Continued)

## Returning Settings Back to Factory Defaults

To let you set TV system back to the factory default settings

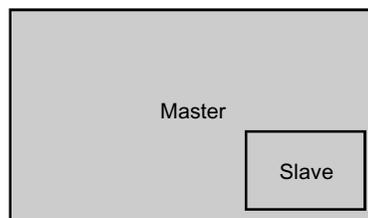
1. Press MENU to display the MENU screen .
2. Press the ▲/▼ buttons to select the System, then press ► .
3. Press the ▲/▼ buttons to select the Factory Reset item, and then press ► .
4. "All tuning data will be erased" appear, please press ASPECT (Green) button to start.
5. "All tuning data will be erased. Are you sure" appear, please press ASPECT (Green) button again to execute.



## PIP Function

Allows you to display two picture (Master and Slave) on the screen at one time.

1. Press PIP button to call up the PIP (picture in picture) function.
2. Press ASPECT button repeatedly to cycle through all available PIP modes: Large PIP > Normal > Small PIP...
3. Press ◀/▶ button to adjust PIP screen position: Top left > Top right > Bottom right > Bottom left > Top left...
4. Press SWAP button to switch the content of main screen and PIP window.
5. Press PIP button again to turn off PIP screen.



**NOTE**

- In PC mode, the SWAP is invalidity.
- Master Size = 16:9; Slave Size = 4:3

PIP function will only work under specific combination of inputs. Not all input combinations will work. Please refer to this table:

		Master		TV		AV		COMPONENT	DVD	PC	HDMI
		Slave	ATV	DTV	COMPOSITE	S-Video	Y Pb/Cb Pr/Cr	DVD	VGA	HDMI	
TV	ATV		X		X	X		X			
	DTV			X			X		X	X	X
AV	COMPOSITE		X		X	X		X			
	S-Video		X		X	X		X			
COMPONENT	Y Pb/Cb Pr/Cr			X			X			X	X
DVD	DVD		X		X	X		X			
PC	VGA		X	X	X	X		X	X	X	X
HDMI	HDMI			X				X		X	X

X PIP supported  
 PIP not supported

Please follow below instruction to select PIP source:

1. Press PIP button to enter the PIP (picture in picture) mode.
2. Press ▲/▼ button to call up PIP Source setup menu.
3. Press ◀/▶ to select the PIP source you desired.

**NOTE**

If PIP input source is AV, please select PIP type is Composite or S-Video.



# TROUBLESHOOTING

## Remote Control

Problem	Possible Remedies
Remote control does not operate	<ul style="list-style-type: none"> <li>• The batteries could be weak. Replace the batteries.</li> <li>• Check the orientation of the batteries.</li> <li>• Make sure this unit's power cord is connected securely to the wall outlet.</li> <li>• Locate the unit at least 3-4 feet away from fluorescent lights.</li> </ul>
Cannot change channels with the remote control	<ul style="list-style-type: none"> <li>• Be sure the main source has been selected to "TV".</li> <li>• If you are using another device to change channels, be sure to select correct source for that device. For example, if you are using your cable box or set top box or DVD player, please use the corresponding remote controller that was supplied with the device.</li> </ul>

## Video

Problem	Possible Remedies
No picture(screen not lit),No sound	<ul style="list-style-type: none"> <li>• Make sure the power cord is plugged in.</li> <li>• Press "POWER" on the right side of the TV unit.</li> <li>• Press "SOURCE" to check the correct video source has been selected.</li> <li>• Try another channel; it could be a problem with the station.</li> <li>• Make sure the source signal is connected to the TV unit.</li> </ul>
Dark, poor or no picture (screen lit), good sound	<ul style="list-style-type: none"> <li>• Adjust the "VIDEO" settings in the "VIDEO".</li> <li>• Adjust the "BRIGHTNESS" in the "VIDEO ".Check the antenna/cable connections.</li> </ul>
Only snow and noise appear on the screen	<ul style="list-style-type: none"> <li>• Check the antenna/cable connections.</li> <li>• Try another channel; it could be a station problem.</li> <li>• Press "Source button repeatedly until the TV source is selected or press the TV button on the remote ".</li> </ul>
Lines or Stripes appear on the screen	<ul style="list-style-type: none"> <li>• Adjust the antenna.</li> <li>• Move the TV away from noise sources, such as cars, neon signs, or hair-dryers, microwave ovens, speakers.</li> </ul>
Double images or ghosts	<ul style="list-style-type: none"> <li>• Using a highly sensitive and directional outdoor antenna or cable may solve the problem.</li> </ul>
Black box on screen	<ul style="list-style-type: none"> <li>• You have selected a text option in the setup MENU and no text is available. To turn off this feature, set the "CLOSED CAPTION" to OFF.</li> </ul>
Black bars appear at the top and bottom of the screen	<ul style="list-style-type: none"> <li>• Some wide-screen programs are filmed in aspect ratios that are greater than 16:9(this is especially common with theatrical releases).Your TV will show these programs with black bars at the top and bottom of the screen. For more details, check the documentation that came with your DVD (or contact your program provider).</li> </ul>

## TROUBLESHOOTING (Continued)

### Audio

Problem	Possible Remedies
Good picture, no sound	<ul style="list-style-type: none"> <li>Turn up the volume by pressing the VOL + button on the remote or on the side of the TV set</li> </ul>
Audio noise	<ul style="list-style-type: none"> <li>Move away the infrared transceiver from the TV until the noise is eliminated.</li> </ul>
Cannot gain enough volume when using a cable box	<ul style="list-style-type: none"> <li>Increase the volume of the cable box using the cable boxes remote control.</li> </ul>
Sound volume seems weak or insufficient	<ul style="list-style-type: none"> <li>The TV's audio might be set to "SAP" or "MONO", when it might be better set to "STEREO". If already set to "STEREO", switch to "MONO" (which may reduce background noise during weak stereo broadcasts) by pressing the MTS button on the remote control.</li> </ul>

### Channels

Problem	Possible Remedies
Cannot receive any channels when using cable	<ul style="list-style-type: none"> <li>Use "TV" in the "MENU" to choose. "SYSTEM" → "CHANNEL SEARCH" to scan receivable channels. Make sure cable is connected to TV properly and choose</li> <li>TV as the main source.</li> </ul>

## SPECIFICATIONS

### DVD Section

ITEM	DESCRIPTION	REMARK
Laser type	Semiconductor laser, Wavelength 650 nm	
Signal system	NTSC525/60	
Video output level	1 Vp-p (75ohm)	
Video Y output level	1 Vp-p (75ohm)	
Video C output level	286 mVp-p (75ohm)	
Horizontal resolution	480 lines	
Video S/N ratio	60dB	
Audio frequency response	DVD (PCM) 100Hz – 16kHz (+/-3 dB) CD 100Hz - 16 kHz (+/-3 dB)	
Audio S/N ratio	60dB	
Dynamic range	DVD (PCM): 85 dB; CD: 85 dB	
Audio L/R	1V 1KHz 0 dB	
Distortion	0.5%	

# SPECIFICATIONS (Continued)

## LCD TV Section

ITEM	DESCRIPTION	REMARK
Screen size	32" diagonal	
Aspect Ration	16:9	
Contrast Ratio	1200:1	
Brightness	500nits	
High Color Saturation	NTSC 75%	
Resolution	1366 x R.G.B x 768	
Pixel Pitch	0.173 (H) X 0.519 (V) mm	
Display Colors	16.7M	
Response Time gray to gray average time	6.5 ms	
Viewing Angle	176 Horizontal/176 Vertical	
Built in Speaker	5W x 2 Stereo	
TV System	NTSC, ATSC	
Special Features	SAP/MTS	
	Sleep Timer	
	PIP	
	3D comb filter	
	3:2 and 2:2 pull down	
	Closed Caption	
	V-chip	
Full function remote control		
Input Terminals:		
Antenna	ATSCx1, NTSCx1	
AV	Composite + S-Video + Stereo L/R	
Component	Component x 1 + Stereo L/R	
VGA (PC)	D-Sub + Stereo phone jack in	
HDMI	480P; 576P; 720P	
Output Terminals:		
Line-Out	Stereo L/R	
Subwoofer	Preout	
Digital Audio Out	Coaxial	
General:		
Standby LED	Red	
Safety & EMI	UL/CUL, FCC Class B, CDRH (FDA)	
Dimension	About 816 mm (W) x 606mm (H) x 165 mm (D) / 32.13" (W) x 23.86" (H) x 6.50" (D)	
Weight	About 14Kg (30.9 lbs)	
Power Consumption	<195W (MAX)	
Power Supply	AC: 100V - 240V ~ 50/60Hz	
Operation Temperature	0°C ~ 35°C (32°F ~ 95°F)	
Storage Temperature	From -5°C to 55°C (23°F ~ 131°F)	

## SPECIFICATIONS (Continues)

### PC Compatibility Chart

#### Supported Resolutions for RGB Mode

This monitor supports the following resolutions

Dot x Line	Horizontal Freq.(KHZ)	Vertical Freq.(HZ)
640 × 480 @ 60Hz	31.47	59.94
800 × 600 @ 60Hz	37.88	60.32
1024 × 768 @ 60Hz	48.36	60.00
1366 × 768 @ 60Hz	48.00	60.00
720 × 400 @ 70Hz	31.47	70.09

#### Supported Resolutions for HDMI Mode

Dot x Line	Horizontal Freq.(KHZ)	Vertical Freq.(HZ)
720 × 480i @ 60Hz	15.73	59.94
720× 480p @ 60Hz	31.47	59.94
1280 × 720p @ 60Hz	45.00	60.00
1920 × 1080i @ 60Hz	33.75	60.00