

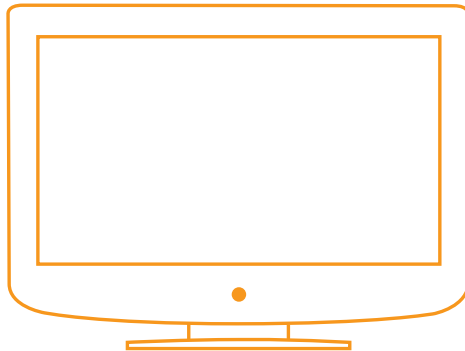


Westinghouse

# USER'S MANUAL

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LTV-27w6 HD & LTV-32w3 HD  
Widescreen HDTV



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**Explanations of required symbols :**

SYMBOL	SYMBOL DEFINITION
 SA 1965	<b>DANGEROUS VOLTAGE :</b> The lightning flash with arrowhead symbol, within an equilateral 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 electrical shock to persons.
 SA 1966	<b>INSTRUCTIONS :</b> The exclamation point with an equilateral triangle is intended to alert the user to the presence of important operating and maintenance ( servicing ) instructions in the literature accompanying the appliance.

## Safety Guidelines

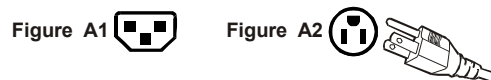
**WARNING:** This device must be operated with the original power supply, part number DPS-210 EP 2 C.

**CAUTION:** The power supply outlet should be located near High Definition LCD TV and should be easily accessible. Always use the appropriate AC cord that is certified for your specific country. Some examples are listed below:

USA.....UL	Switzerland ..... SEV
Canada.....CSA	Britain ..... BASE/BS
Germany.....VDE	Japan ..... Electric Appliance Control Act

### IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The specific power cord for this High Definition LCD TV is enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed. The female receptacle of the cord set must meet IEC-60320 requirements and should look like Figure A1 below:



### For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For High Definition LCD TVs that are placed on a desk or table, type SVT or SJT cord sets may be used. For High Definition LCD TVs placed directly on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for the High Definition LCD TV. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG	10 Amps
	16 AWG	12 Amps
	14 AWG	12 Amps
SVT	18 AWG	10 Amps
	17 AWG	12 Amps

## FCC Compliance Statement

This equipment has been tested and complies 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 may cause harmful interference to radio communications if not installed and used in accordance with the instructions. 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 High Definition LCD TV and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the Westinghouse Service Center or an experienced radio/TV technician for assistance.

### FCC Warning

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable used, use only a shielded BNC (5) cable. Also, any unauthorized changes or modifications not expressly approved by Westinghouse Digital will void the user's authority to operate this device.

## Product Safety Instructions

Follow and obey all warnings and instructions marked on the High Definition LCD TV. For your safety, please read all the safety and operating instructions before you operate the High Definition LCD TV. Keep this user's manual for future reference.

### Important Safety Instructions

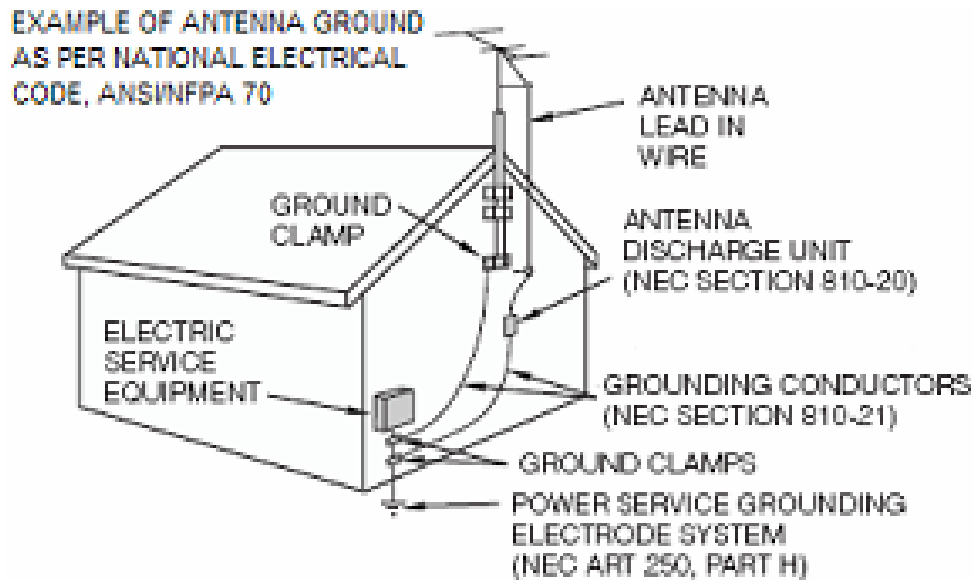
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to a void injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



### **Other Notices**

- Avoid exposing the High Definition LCD TV to direct sunlight or high temperatures.
- Avoid exposing the High Definition LCD TV to moisture or high humidity
- Do not attempt repairs yourself. Your warranty does not cover repairs or attempted repairs by anyone not authorized by the manufacturer
- If your High Definition LCD TV will not be used for a long period of time, unplug the High Definition LCD TV and remove the batteries from the remote control
- Only use attachments/accessories specified by the manufacturer.
- Avoid touching the screen. Skin oils are difficult to remove.
- Never remove the rear cover. Your High Definition LCD TV contains high-voltage parts. You may be seriously injured if you touch them.
- Always handle your LCD display with care when moving it.
- If the High Definition LCD TV emits smoke, abnormal noise, or a strange odor, immediately turn it off and contact the Westinghouse Service Center.

## Antenna Installation Safety



### Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the High Definition LCD TV, be sure the antenna or cable system is grounded to prevent voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANS/NFPA 70, provides information on proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

### Lightning

For added protection for the High Definition LCD TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the High Definition LCD TV due to lightning and power-line surges. Do not disconnect the antenna or the power cord during a heavy storm – lightning may strike while you are holding the cable cord, causing serious injury. Turn off your High Definition LCD TV and wait for the weather to improve.

### Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits.

## What Is Digital Television?

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Digital television is a new way of transmitting high quality video and audio to your TV set. Using digital television, broadcasters can transmit high definition TV (HDTV) images. This High Definition LCD TV has a built-in digital television tuner. The advantage of an integrated digital television set is that it can tune both analog and digital TV channels. All you'll need to do is to add an external antenna and you are ready to watch digital television.

### Digital Television Picture

Digital television programs are transmitted in two different formats. The first is Standard Definition Television (SDTV) and the second is High Definition Television (HDTV).

SDTV program formats include 480-line interlaced (480i) and 480-line progressive (480p) video. 480i programs are essentially a digital version of our current analog TV programs, while the 480p format offers improved image detail over 480i. Some 480p programs are broadcast in widescreen and are comparable to progressive-scan DVD movies in image quality.

HDTV and standard definition television (SDTV) are the two categories of display formats for digital television transmissions. HDTV provides a higher quality display with a vertical resolution display of 720p or 1080i. The “p” stands for progressive scanning, which means that each scan shows every line for a complete picture at  $1/60^{\text{th}}$  of a second. The “i” stands for interlaced scanning which first shows every odd line at one scan of the screen and then follows with every even line in the second scan for a complete picture at  $1/30^{\text{th}}$  of a second. Both HDTV formats are always broadcast in widescreen, and both offer much higher picture quality than SDTV.

## A Guide to Digital Channels

There is a new numbering system for digital channels. Digital television virtual channels consist of a number followed by a dash and then another number. The first number is the major channel number specific to a broadcasting station. The second number is the minor channel number that allows these broadcasting stations to use the same major channel number for all analog and digital channels because digital channels can carry multiple programs simultaneously. The old analog channels are always referenced to minor channel number 0, for example 11-0.



**Digital Virtual Channel Number**

**Physical Channel Number**

The channel number in parentheses represents the actual physical channel number of the transmitter used to broadcast the network programming in your region. Each physical channel number is mapped to one or more digital channel numbers. In the example above, digital channel number 11-1 is mapped to physical Channel 12 and tunes into channel 12.

Some digital television stations may have only one virtual channel, others perhaps as many as six. So in the example above, the station using physical Channel 12 for digital television can have additional digital channels 11-2, 11-3, etc.

### How to input digital television channels:

	<u>User Inputs</u>		<u>Channel Displayed</u>
Method 1:	<b>11 - 3</b>	—————>	<b>Channel 11 - 3</b>
Method 2:	<b>113</b>	—————>	<b>Channel 11 - 3</b>

### For single digit channels:

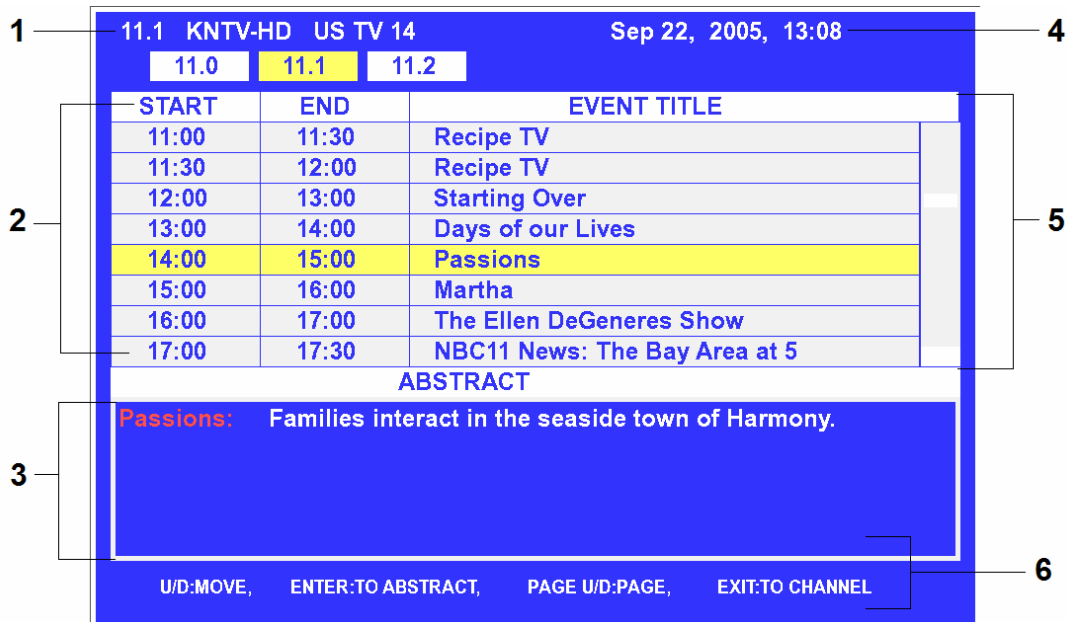
	<u>User Inputs</u>		<u>Channel Displayed</u>
Method 3:	<b>052</b>	—————>	<b>Channel 5 - 2</b>
Method 4:	<b>5-2 + Ent</b>	—————>	<b>Channel 5 - 2</b>

Check your local listings for available digital television channels in your area.



## The Electronic Program Guide

Your Westinghouse High Definition LCD TV has an Electronic Program Guide (EPG) to help you navigate through all the possible viewing options. The EPG supplies information, such as program lists, the start and end times of all available channels, and a detailed description of the program. The availability and the amount of program details will vary depending on the broadcaster. You can use the 'Guide' button on the remote control or select EPG from the TV OSD menu to display the Electronic Program Guide. The EPG begins its list with the channel that is currently active.



### 1. Channel Number

Shows the current physical channel number and all the available virtual channels.

### 2. Program Time

Displays the program start and end times.

### 3. Abstract

Displays detailed information for the selected digital program. The availability of detailed information depends on the broadcaster.

### 4. Current Time and Date

Shows the current time and date.

### 5. Event Titles

Displays the title of upcoming programs.

### 6. Help Instructions

List of available commands while in the Electronic Program Guide.

- Use the arrow keys and the Channel up/down buttons on the remote control to scroll through the Electronic Program Guide.
- Press Enter (the Enter) button on the remote to step into a sub section or press Back (the Last Channel) button on the remote to step back a section.

## Package Contents

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**Your product package includes:**

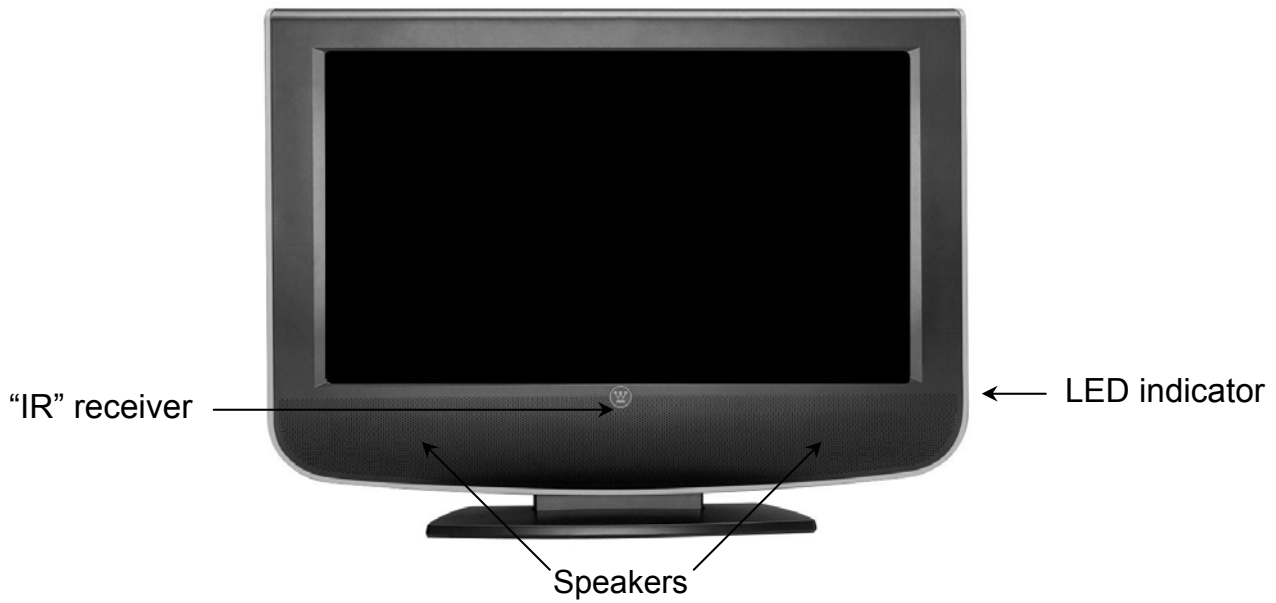
- 27" or 32" Westinghouse High Definition LCD TV
- Remote Control (with batteries)
- Power Cord
- User's Manual
- Warranty Card



## Front View of the High Definition LCD TV

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Use the buttons on the right side of the High Definition LCD TV or the buttons on the remote control to display the On Screen Display (OSD) menu and adjust the High Definition LCD TV options. The OSD controls are defined in “OSD Functions” on page 16.

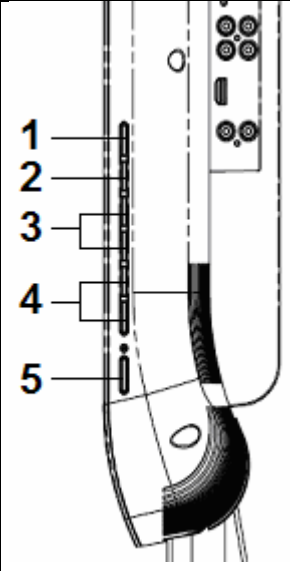


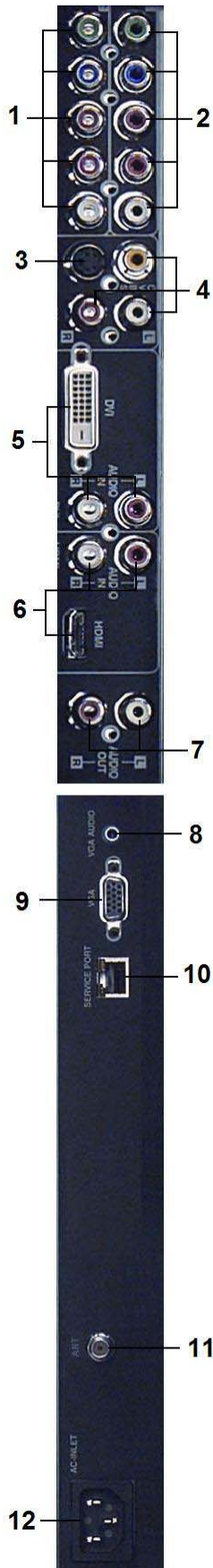
## Rear View of the High Definition LCD TV

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## Side View of the High Definition LCD TV

	1. Menu	Turn OSD Menu ON/OFF
	2. Volume + / -	Increase/Decrease sound volume or adjust a highlighted control while in OSD Menu
	3. Channel ▲ / ▼	Channel up/down when source is TV or select a control while in OSD Menu
	4. Source	Select Active Video source or a highlighted control while in OSD MENU
	5. Power Button	Power ON/OFF



## SIDE CONNECTORS

### 1. YPbPr2 / Audio2 (Right / Left)

Connect the component video to an external video device such as a DVD or gaming system.

### 2. YPbPr1 / Audio1 (Right / Left)

Connect the component video to an external video device such as a DVD or gaming system.

### 3. S-Video

Connect to an external video device such as a VCR. Audio (R/L) input supports either S-Video or AV input.

### 4. AV Video / Audio (Right / Left)

Connect the composite video to an external video device such as a VCR. Audio (R/L) input supports either S-Video or AV input.

### 5. DVI-HDCP / Audio (Right / Left)

Connect to an external DVI-HDCP device such as a DVD, cable/satellite receiver, or computer.

### 6. HDMI / Audio (Right / Left)

Connect to an external HDMI device such as a DVD or cable/satellite receiver. To use analog audio for HDMI, open the OSD menu, and under the Audio menu, use the left/right arrow key to change HDMI to Analog.

### 7. Audio Out (Right / Left)

Connect this output to an external audio amplifier.

### 8. Audio-In (VGA)

Using a 3.5mm mini-jack cable, connect to the Audio out (Green) on a computer.

### 9. VGA

Using a 15-pin VGA cable, connect to a computer.

### 10. Service Port

Factory use only.

### 11. ANT (RF-input)

Connect to the antenna or cable service.

### 12. AC-IN (Power)

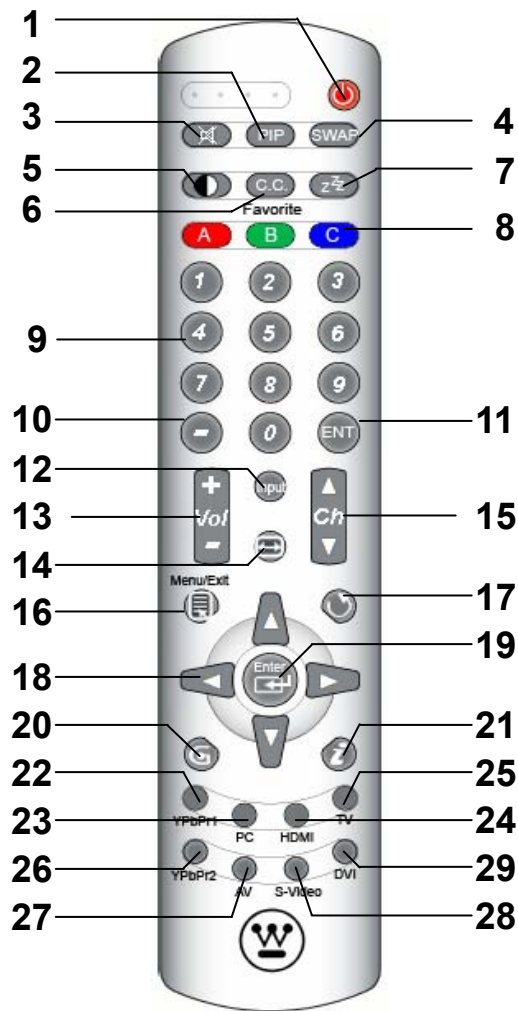
Connect the power cord from AC-IN to a power source.

## Remote Control

Use the Remote Control to adjust your Westinghouse High Definition LCD TV.

1. **POWER**  
Switch the power On/Off
2. **PIP**  
Display sub picture On/Off
3. **MUTE**  
Turn the sound On/Off
4. **SWAP**  
Switch between PIP and Main Picture
5. **BACKLIGHT**  
Shortcut to adjust backlight adjustment
6. **CC**  
Turn Closed Caption On/Off
7. **SLEEP**  
Set sleep timer
8. **FAVORITE CHANNEL A / B / C**  
Jump to favorite channels (Hold button for 3 seconds to program favorite channel).
9. **CHANNEL NUMBER KEYS**  
Select specific channels
10. **DASH**  
To input dash when selecting specific channels
11. **ENT**  
Complete channel selection
12. **INPUT**  
Display MP input menu (see page 30)
13. **VOL - / +**  
Volume Up/Down adjustment
14. **SCALING**  
Set video display format to "STANDARD" or "FILL"
15. **CH ▼ / ▲**  
TV Channel Up/Down adjustment
16. **MENU**  
Turn OSD Menu On/Off
17. **LAST CHANNEL**  
Switch to previous channel
18. **▼ / ▲ / ◀ / ▶**  
Navigate within OSD Menu
19. **ENTER**  
Make a selection
20. **EPG**  
Display Electronic Program Guide
21. **INFO**  
Display the source and channel information

22. **YPbPr1**  
Switch to YPbPr1 source
23. **PC**  
Switch to VGA source
24. **HDMI**  
Switch to HDMI source
25. **TV**  
Switch to TV source
26. **YPbPr2**  
Switch to YPbPr2 source
27. **AV**  
Switch to AV source
28. **S-VIDEO**  
Switch to S-Video source
29. **DVI**  
Switch to DVI source



## Installation

### 1. Insert Remote Control Batteries

- 1) Remove the battery cover.
- 2) Insert the batteries corresponding to the (+) and (-) marks on the battery compartment.



- 3) Re-attach the battery cover.

### CAUTION:

- Only use AAA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage, which may pose a fire risk or lead to personal injury.
- Insert batteries according to (+) and (-) markings. Inserting the batteries incorrectly may result in cracking or leakage, which may pose a fire risk or lead to personal injury.
- Dispose of used batteries in accordance with local laws and regulations.
- Keep batteries away from children and pets.
- When the remote control will not be used for an extended period, remove the batteries.

## 2. Connect the High Definition LCD TV to a computer

Connect a VGA or DVI cable and an audio cable to the back of the High Definition LCD TV.

**IMPORTANT: Before you begin, make sure all devices are turned off.**

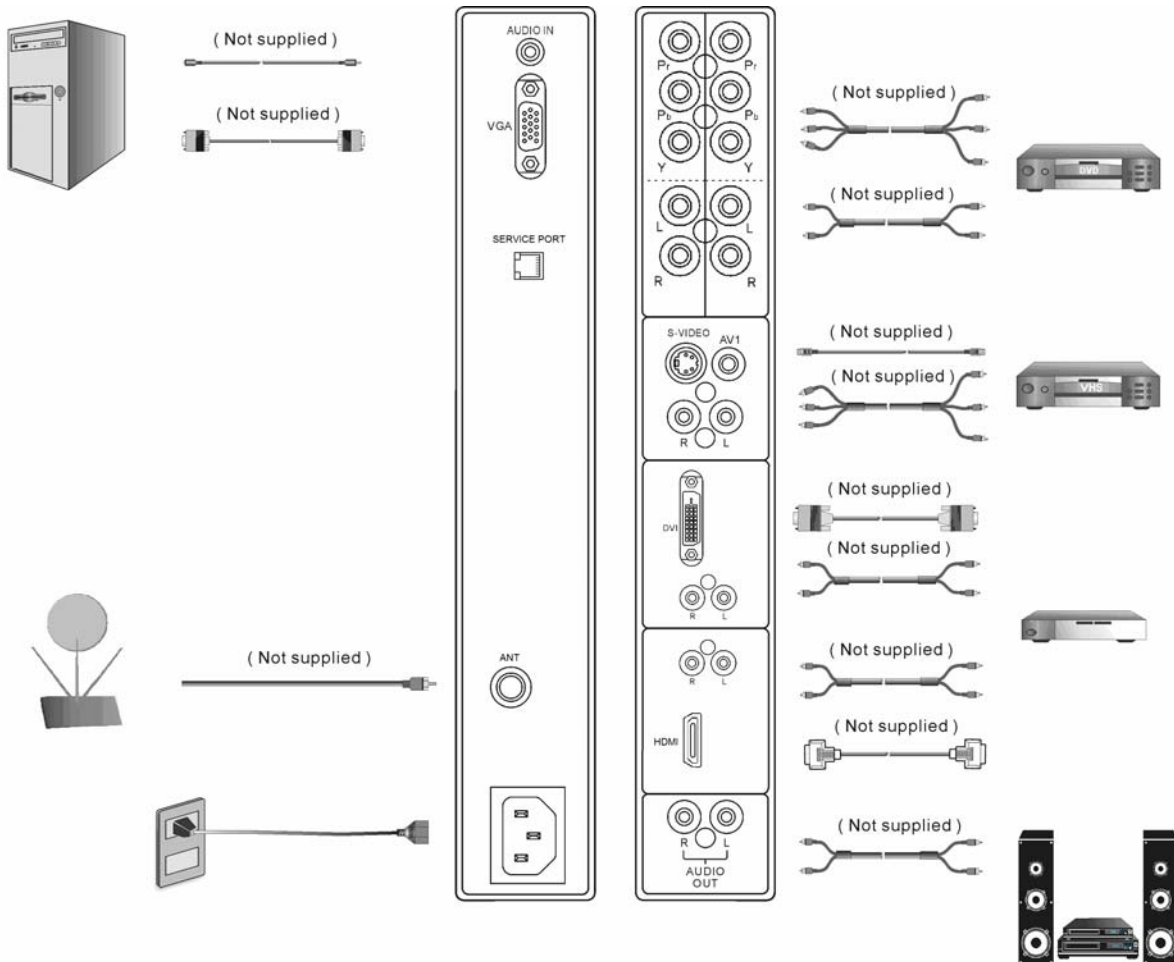
**VGA CONNECTION:** Connect an analog VGA cable from your computer VGA OUT port to the High Definition LCD TV VGA IN port.

**DVI-D CONNECTION:** Connect a Digital DVI cable from your computer to the High Definition LCD TV DVI-D port.

**AUDIO CONNECTION:** Connect a stereo mini cable from the computer's AUDIO OUT port to the AUDIO IN port on the High Definition LCD TV.

## 3. Connect the High Definition LCD TV to AV Devices

Connect one or all of the following compatible devices into the back of the High Definition LCD TV.





#### 4. Connect power cable and power on the High Definition LCD TV

Connect the power cord to the High Definition LCD TV then to a properly grounded AC outlet and press power to turn on the High Definition LCD TV.

NOTE: The High Definition LCD TV will take a few seconds to power up.



#### 5. Turn on your computer

The High Definition LCD TV will auto adjust to the resolution of the computer.

#### 6. Turn on the cable box or satellite receiver

If using DVI or HDMI connection, the cable box or satellite receiver will need to be restarted to complete HDCP authentication to view the picture.

#### 7. Select an input source for the High Definition LCD TV using the OSD menu or remote control

#### 8. If connecting to an Antenna, Cable or other RF source, run Autoscan to receive all available channels:

1. Press the 'Menu' key on the remote or side panel and use the left/right arrow keys to select the TV menu.
2. Use the up/down arrow keys to select "Tuner Source".
3. Use the arrow keys to select your signal source "Air/Cable/IRC/HRC".
4. After selecting your signal source, use the up/down arrow keys to select "Auto Scan". Press "Enter" to start scanning for channels.
5. This will take a few minutes to identify analog and digital channels.

#### 9. If connecting to a computer:

For the best picture quality, set PC timing mode to VESA\* 1366x768 at 60Hz. Refer to your computer's graphic card user guide for questions on how to set this timing mode. Many computers show 1360x768 as an alternative resolution.

\* VESA is a trademark of Video Electronics Standards Association. All other trademarks are the property of their respective owners.

## OSD Function

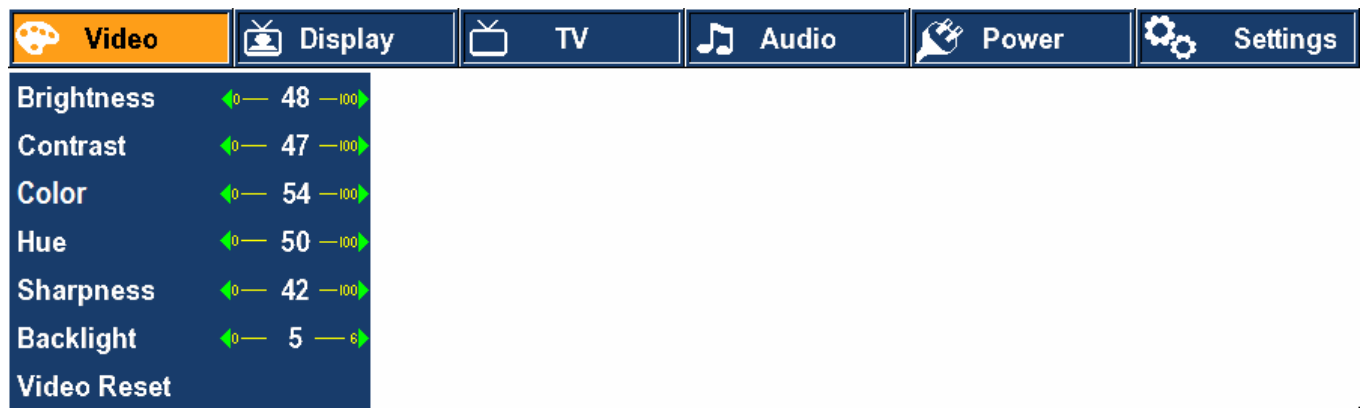
To display the OSD main menu, press the Menu button on the right side of the High Definition LCD TV or the MENU key on the remote control. Use the ◀ / ▶ arrow keys to highlight the desired OSD Main Menu.



### Main Menu

To select a sub-menu, press ▲/▼ on the right side of the High Definition LCD TV or the ▲/▼ key on the remote control.

#### OSD Main Menu



#### OSD Sub-Menu

List of functions under main menu

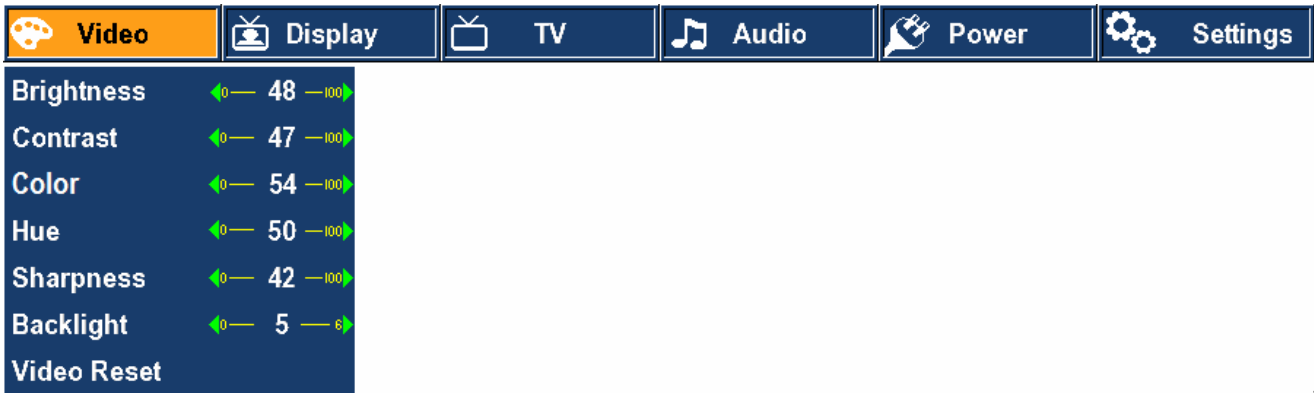
#### Adjust the video settings.

◀▶ : Select    Enter : Enter    ↶ : Back    🗑️ : Exit

#### Help Menu

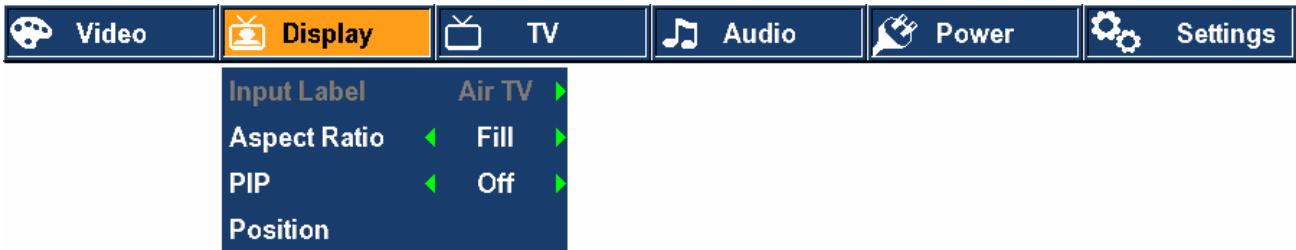
Provides function description and available remote commands

## Video



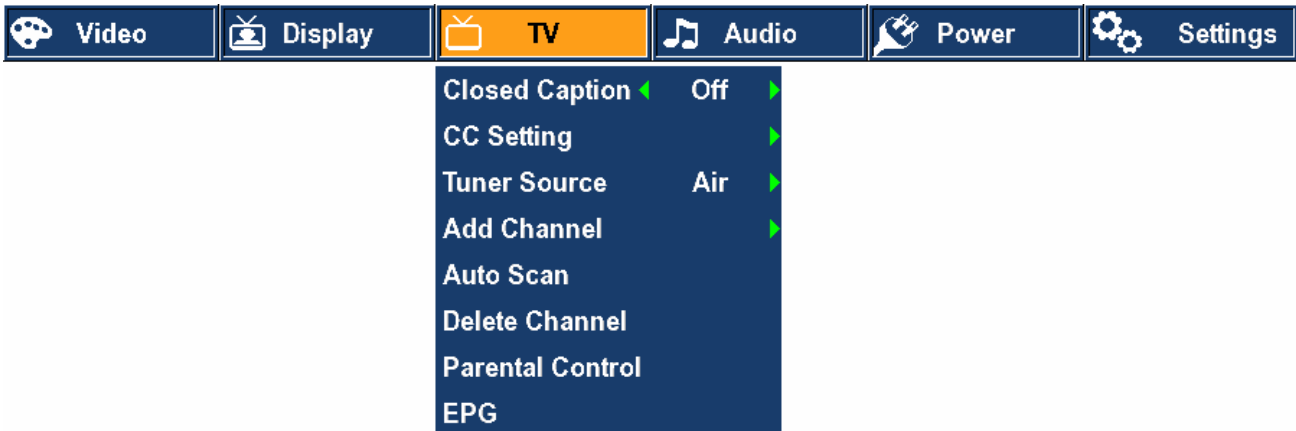
Function Name	Function
Brightness	Adjust the black level of the display.
Contrast	Adjust the white level of the display.
Color	Adjust the intensity of the colors.
Hue	Adjust the color towards either red or green.
Sharpness	Adjust the clarity of the picture.
Backlight	Adjust the intensity of the lamp that illuminates the High Definition LCD TV.
Video Reset	Reset the video settings to the factory default.

## Display



Function Name	Function
Input Label	Change the input name of the current source to one of the labels in the input label list. If the input label is already used by another source, the label of the other source will be reset to the default label.
Aspect Ratio	Adjusts the ratio between the width of the picture and the height of the picture. 16:9 pictures will be displayed at its original format. <ul style="list-style-type: none"> <li>• Standard – conventional format used for viewing 4:3 programs in their normal format.</li> <li>• Fill – format that horizontally stretches 4:3 pictures to the edge of the screen (some programs will be broadcasted with black or gray bars on the top and bottom or sides of the picture).</li> </ul>
PIP	Displays the picture in picture input source menu.
Position	Adjusts the horizontal and vertical position of the picture.

## TV



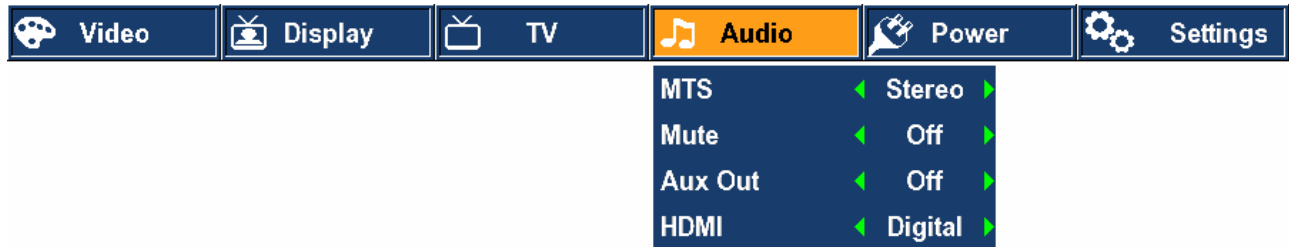
Function Name	Function
Closed Caption	Enable / Disable closed captioning. Closed caption is used to visually communicate audio via text.
CC Setting	Changes settings for closed captioning such as font, color, and size.
Tuner Source	Choose the type of RF input. <ul style="list-style-type: none"> <li>• Air - Normal over-the-air frequency</li> <li>• Std (Cable) – Standard frequency used for cable TV</li> <li>• IRC (Cable) – Incrementally Related Carrier</li> <li>• HRC (Cable) – Harmonically Related Carrier</li> </ul>
Add Channel	Manually input physical channel number(s) and search for signal reception within that range.
Auto Scan	Automatically scans the tuner's range of frequencies for all viewable channels.
Delete Channel	Displays the Main Channel List so that you can add / delete a channel from the current list of viewable channels. See page 24 for more detail.
Parental Control	Displays the parental control menu, from which the user can adjust what content can and cannot be seen on this TV. See page 25 for more detail.
EPG	The electronic programming guide displays the list of available channels and the corresponding channel information (start time, end time, program title, program description)

## PC (VGA Only)



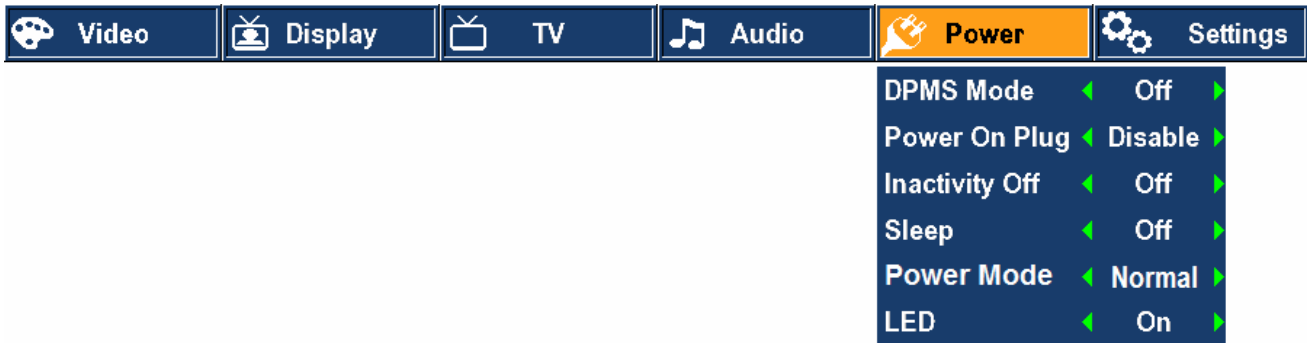
Function Name	Function
Auto Adjustment	Automatically re-centers the image to the middle of the screen by synchronizing both vertical and horizontal refresh rate and resolution.
Manual Phase	Manually adjust the Phase control to eliminate horizontal streaking.
Auto Phase	Automatically adjust the Phase control to eliminate horizontal streaking.

## Audio



Function Name	Function
MTS	Multi-Channel Television Sound consists of three different settings. Select one of the following: <ul style="list-style-type: none"> <li>• Mono</li> <li>• Stereo</li> <li>• SAP</li> </ul>
Mute	Turn audio on/off.
Aux Out	Enable / Disable external audio out.
HDMI	Switches the HDMI audio input source to one of the following: <ul style="list-style-type: none"> <li>• Analog – RCA audio input</li> <li>• Digital – HDMI cable integrated audio input</li> </ul>

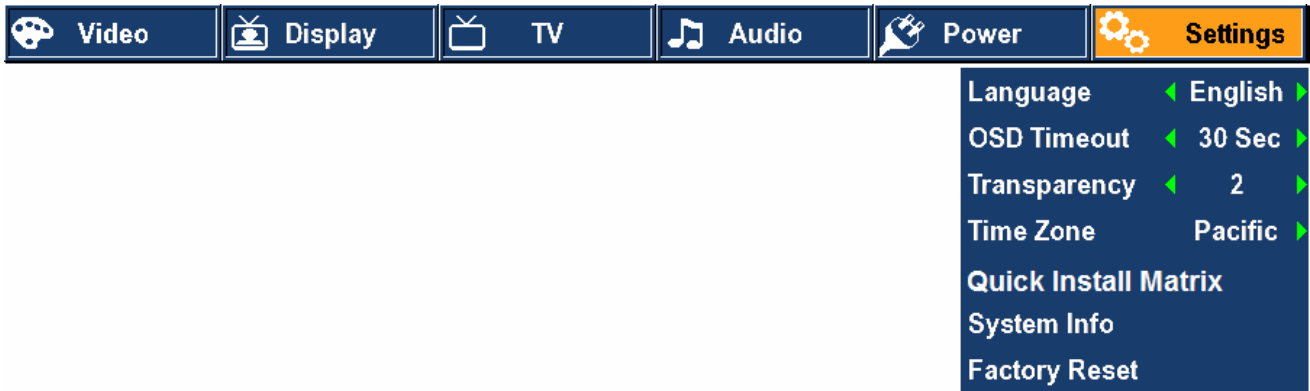
## Power Management



Function Name	Function
DPMS Mode	Enable / Disable the Display Power Management Signaling which allows the display to go into Standby mode when there is no signal coming in from the selected input.
Power On Plug	Enable High Definition LCD TV to automatically turn on when power is restored.
Inactivity Off	Sets the High Definition LCD TV to turn off after a specified time of no remote or panel button presses. Four options available: <ul style="list-style-type: none"> <li>• Off</li> <li>• 1 hour</li> <li>• 3 hours</li> <li>• 6 hours</li> </ul>
Sleep	Sets the High Definition LCD TV to turn off after a specified amount of time: <ul style="list-style-type: none"> <li>• Off</li> <li>• 30 minutes</li> <li>• 60 minutes</li> <li>• 90 minutes</li> </ul> <p>NOTE: The High Definition LCD TV will take a few seconds to come back from sleep mode.</p>
Power Mode	Sets the power boot up mode: <ul style="list-style-type: none"> <li>• E. Saver – takes longer to come back from Standby but requires less power</li> <li>• Normal – takes faster to come back from Standby but requires more power</li> </ul>
LED	Turns the LED on the TV on and off



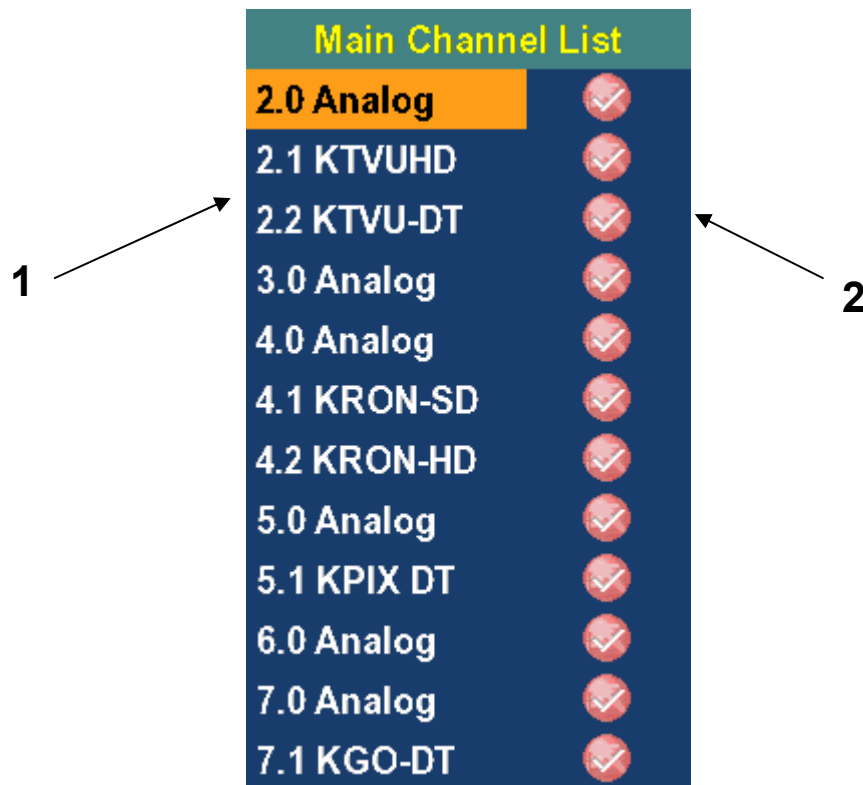
## Settings



Function Name	Function
Language	Switches the language of the OSD to one of the following: <ul style="list-style-type: none"> <li>• English</li> <li>• Spanish</li> <li>• French</li> </ul>
OSD Timeout	Sets the amount of time of inactivity before the OSD disappears. <ul style="list-style-type: none"> <li>• 10 seconds</li> <li>• 30 seconds</li> <li>• 60 seconds</li> </ul>
Transparency	Adjust the level of transparency of the OSD.
Time Zone	Set the High Definition LCD TV to the local time zone.
Quick Install Matrix	Displays the Quick Install Matrix.
System Info	Displays the system information.
Factory Reset	Resets all OSD menu settings (except parental controls) of the High Definition LCD TV back to the factory defaults.

## Main Channel List

Use the OSD to access the Main Channel List.



### 1. Channel Number

- Scroll to highlight a channel number from the list of available channels and press Enter to tune to that channel.

### 2. Channel Skip / Unskip

- Enable or disable channel in list of channels.










- Channel will not be displayed when scrolling through channels.



- Channel is included in the channel list.

## Parental Controls







The Parental Control feature allows you to block TV programs based on their ratings and to lock out the keys on the right side of the High Definition LCD TV and can only be changed by entering the correct 4-digit password. When entering the parental control menu for the first time, you will be taken to the password submenu to setup a password. **In order for the parental control feature to be activated, you must setup a password.**

Rating Type	Description		
MPAA	MPAA	NR	
	TV	G	
	CanaEng	PG	
	CanaFren	PG13	
	Password	R	
		NC17	
		X	
	Rating	Definitions	
	NR	Not available	
	G	General audience	
PG	Parental guidance suggested		
PG-13	Parents strongly cautioned		
R	Restricted		
NC 17	No one 17 and under admitted		
X	Adult audience only		


Parental Controls

Rating Type	Description																																																	
TV PG Rating	<table border="1" style="background-color: #1a3d54; color: white; text-align: center;"> <thead> <tr> <th>MPAA</th> <th>ALL</th> <th>FV</th> <th>D</th> <th>L</th> <th>S</th> <th>V</th> </tr> </thead> <tbody> <tr> <td>TV-Y</td> <td>🔒</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TV-Y7</td> <td>🔒</td> <td>🔒</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CanaEng TV-G</td> <td>🔒</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">CanaFren</td> <td>TV-PG</td> <td>🔒</td> <td>🔒</td> <td>🔒</td> <td>🔒</td> <td>🔒</td> </tr> <tr> <td>TV-14</td> <td>🔒</td> <td>🔒</td> <td>🔒</td> <td>🔒</td> <td>🔒</td> </tr> <tr> <td rowspan="2">Password</td> <td>TV-MA</td> <td>🔒</td> <td></td> <td>🔒</td> <td>🔒</td> <td>🔒</td> </tr> </tbody> </table>		MPAA	ALL	FV	D	L	S	V	TV-Y	🔒						TV-Y7	🔒	🔒					CanaEng TV-G	🔒						CanaFren	TV-PG	🔒	🔒	🔒	🔒	🔒	TV-14	🔒	🔒	🔒	🔒	🔒	Password	TV-MA	🔒		🔒	🔒	🔒
	MPAA	ALL	FV	D	L	S	V																																											
	TV-Y	🔒																																																
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		TV-14	🔒	🔒	🔒	🔒	🔒																																											
	Password	TV-MA	🔒		🔒	🔒	🔒																																											
		Rating	Definitions																																															
	TV Y	All children																																																
	TV Y7	Directed to older children																																																
	TV G	General audience																																																
	TV PG	Parental guidance suggested																																																
	TV 14	Parents strongly cautioned																																																
	TV MA	Mature audience only																																																
Content	Definitions																																																	
All	All Content																																																	
FV	Fantasy Violence																																																	
D	Sexually Suggestive Dialog																																																	
L	Adult Language																																																	
S	Sexual Situation																																																	
V	Violence																																																	

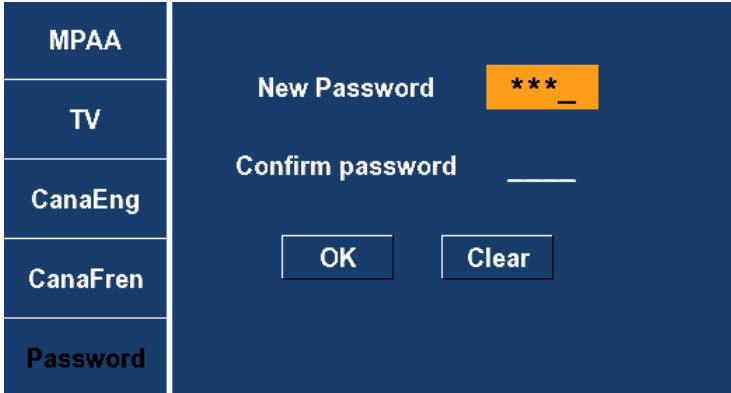
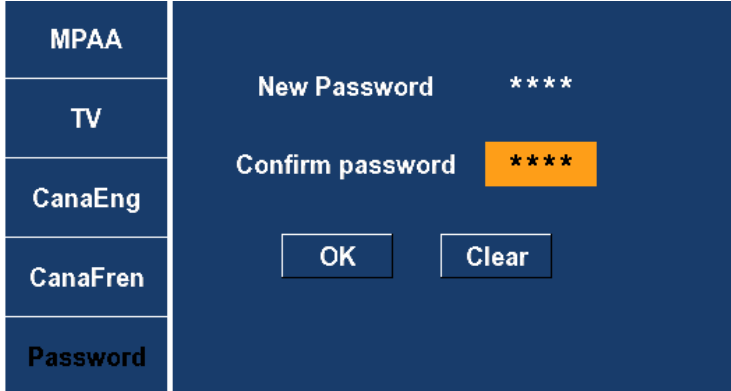
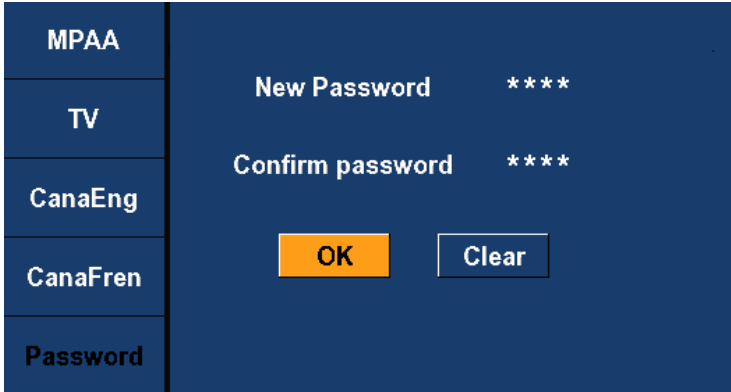
## Parental Controls (Canadian English)

Rating Type	Description		
Canadian English	MPAA	C 	
	TV	C8 	
	CanaEng	G 	
	CanaFren	PG 	
	Password	14 	
		18 	
	Rating	Definitions	
	C	Children	
C8	Children over 8 years		
G	General		
PG	Parental Guidance		
14	Over 14 years		
18	Adults		

## Parental Controls (Canadian French)

Rating Type	Description	
Canadian French		
	Rating	Definitions
	<b>G</b>	General
	<b>8ans</b>	General but inadvisable for young children
	<b>13ans</b>	Over 13 years
	<b>16ans</b>	Over 16 years
<b>18ans</b>	Over 18 years	

## Parental Controls (Password Edit)

Function Name	Description
Password Edit	 <p>1. Enter new 4 digit parental control password.</p>
	 <p>2. Confirm code by typing password again.</p>
	 <p>3. Press enter to program new code or press clear to start over.</p>
	<p>4. In the case that the password is forgotten, enter “0000” to enter the parental control menu and reset the password.</p>

## Input Menus

### Input Menu

MP Input
Air TV
AV
S-Video
YPbPr1
YPbPr2
VGA
DVI
HDMI

### PIP Input Menu

PIP Input
Air TV
AV
S-Video
YPbPr1
YPbPr2
VGA
DVI
HDMI

To change the Main Picture source, press the Input button on the remote to display the Main Picture (MP) input menu. When the input menu is open, press the Input button again to switch to the next input or use the up/down arrows to scroll through the inputs and the press enter to switch to the highlighted input. The input menu will timeout after 5 seconds and switch to the input that is currently highlighted.

To change the PIP source, press the PIP button on the remote to display the PIP input menu. Use the up/down arrows to scroll through the inputs and the press enter to switch to the highlighted input. The input menu will timeout after 5 seconds and switch to the input that is currently highlighted.

**INPUT/ PIP SOURCE CHART**

PIP Main	TV	AV	S Video	YPbPr1	YPbPr2	VGA	DVI	HDMI
TV		ATSC	ATSC	ATSC	ATSC		NTSC	NTSC
AV	ATSC						○	○
S Video	ATSC						○	○
YPbPr1	ATSC							○
YPbPr2	ATSC							○
VGA	ATSC							HDMI
DVI	NTSC	○	○					
HDMI	NTSC	○	○	○	○			

○ – PIP and Swap Operates



## 27 Inch High Definition LCD TV Specifications

<b>Model Name</b>	LTV-27w6 HD		
<b>Panel</b>	Type	27" TFT (Thin Film Transistor), Active Matrix WXGA LCD, 1366 x 768 vertical stripe	
	Color	Anti-glare coating	
<b>Viewing Angles</b>	176° (H) / 176° (V)		
<b>Input Signal</b>	Video/Audio	RGB Analog * 1 (75 ohms, 0.7 Vp-p)/Mini-Stereo *1 - H/V separated (TTL) for PC	
		HDMI-HDCP * 1 / RCA (L/R) * 1	
		DVI-D * 1 (HDCP support) / RCA (L/R) * 1 - fh: 30-80 kHz, fv: 50-75 Hz NTSC	
		TV system NTSC / HDTV * 1	
		Component Video * 2 / RCA (L/R) Stereo * 2	
		Composite * 1 / S-Video * 1 / RCA (L/R) stereo * 1	
<b>Output Signal</b>	RCA (L/R)		
<b>HDTV Compatibility</b>	480i, 480P, 720P, 1080i		
<b>PC Compatible</b>	Recommended	1360 x 768 @ 60Hz	
	Supported	1024 x 768 @ 75 Hz	800 x 600 @ 60, 75 Hz
		1024 x 768 @ 60Hz	640 x 480 @ 60, 75 Hz
		1280 x 720 @ 60, 75 Hz	
<b>Speaker Output</b>	10W (x2 Channels)		
<b>Power</b>	Voltage	100-240 VAC, 47/63 Hz, 2.0A, universal.	
<b>Temperature</b>	Operating	0 to + 35° C (Hum < 90%)	
	Storage	-20 to +60° C (Hum < 35%)	
<b>Humidity (Relative)</b>	Operating	20 to 90% non-condensing	
	Storage	10 to 90% non-condensing.	
<b>Altitude</b>	Operating	0 to 3,000 m	
	Storage	0 to 12,000m	
<b>Dimensions</b>	Physical	701 mm (W) x 546 mm (H) x 205 mm (D)	
<b>Weight</b>	Net / Gross	11.5 kg / 14.1 kg	
<b>Regulations</b>	UL/C-UL, FCC-B		
<b>Power saving</b>	On	<150W Typical (Blue LED)	
<b>Modes</b>	Active Off	<3W (Amber LED)	
<b>Warning:</b> Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the High Definition LCD TV.			
<b>Note:</b> Product Specifications are subject to change without notice.			

## 32 Inch High Definition LCD TV Specifications

<b>Model Name</b>	LTV-32w3 HD	
<b>Panel</b>	Type	32" TFT (Thin Film Transistor), Active Matrix WXGA LCD, 1366*768 vertical stripe
	Color	Anti-glare coating
<b>Viewing Angles</b>	176° (H) / 176° (V)	
<b>Input Signal</b>	Video/Audio	RGB Analog * 1 (75 ohms, 0.7 Vp-p)/Mini-Stereo *1 - H/V separated (TTL) for PC HDMI-HDCP * 1 / RCA (L/R) * 1 DVI-D * 1 (HDCP support) / RCA (L/R) * 1 - fh: 30-80 kHz, fv: 50-75 Hz NTSC TV system NTSC / HDTV * 1 Component Video * 2 / RCA (L/R) Stereo * 2 Composite * 1 / S-Video * 1 / RCA (L/R) stereo * 1
<b>Output Signal</b>	RCA (L/R)	
<b>HDTV Compatibility</b>	480i, 480P, 720P, 1080i	
<b>PC Compatible</b>	Recommended	1360 x 768 @ 60Hz
	Supported	1024 x 768 @ 75 Hz
		1024 x 768 @ 60Hz
		1280 x 720 @ 60, 75 Hz
		800 x 600 @ 60, 75 Hz
		640 x 480 @ 60, 75 Hz
<b>Speaker Output</b>	10W (x2 Channels)	
<b>Power</b>	Voltage	100~264 VAC, 47/63Hz, 2.5A, universal.
<b>Temperature</b>	Operating	0 to + 35° C (Hum < 90%)
	Storage	-20 to +60° C (Hum < 35%)
<b>Humidity (Relative)</b>	Operating	20 to 90% non-condensing
	Storage	10 to 90% non-condensing.
<b>Altitude</b>	Operating	0 to 3,000 m
	Storage	0 to 12,000m
<b>Dimensions</b>	Physical	820 mm (W) x 614 mm (H) x 205 mm (D)
<b>Weight</b>	Net / Gross	15.5 kg / 18.9 kg
<b>Regulations</b>	UL/C-UL, FCC-B	
<b>Power saving</b>	On	<150W Typical (Blue LED)
<b>Modes</b>	Active Off	<3W (Amber LED)
<b>Warning:</b> Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the High Definition LCD TV.		
<b>Note:</b> Product Specifications are subject to change without notice.		

## Troubleshooting

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### No Power

- Make sure power cord is securely connected to the AC In jack on the back of the High Definition LCD TV.
- Make sure AC power cord is securely connected to the AC socket.
- Plug another electrical device (such as a radio) to the power outlet to verify that the outlet is supplying the proper voltage.
- When set to E. Saver, the TV will take longer to turn on. Change the Power menu setting to Normal to improve power on time.

### Power is suddenly turned off

- Check if Sleep Timer is set. If so, turn it off.
- Check if Inactivity Off is set. If so, turn it off.

### Remote Control Does Not Work

- Press only one button at a time.
- Make sure batteries are inserted correctly.
- Replace batteries with new ones if necessary.

### Remote Control Code Not Found in a “Universal” Remote

- Purchase a separate “learning” remote control.
- Go to [www.westinghousedigital.com](http://www.westinghousedigital.com) for a list of remote codes.

### Image Quality Issues

- For the best TV image quality, “Standard Definition” TV content should be viewed in 4:3 format.

### No Picture

- Check the video connection.
- Make sure the video cable connected to the High Definition LCD TV is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the High Definition LCD TV, secure it tightly.
- Adjust brightness and contrast.
- If you are using a Macintosh computer older than G3, you need a Macintosh adapter.
- Make sure that the input source you are connected to corresponds to the source on the High Definition LCD TV.
- Verify that the antenna is properly connected.

### No Picture when I connect VGA cable or “No Input Signal”

- Check VGA cable connection.
- Lower the video resolution on the computer and try plugging in the cable again.

## Troubleshooting

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### Picture is cut off/with sidebar screen.

- Use Auto Adjust.
- Make sure the aspect ratio is set correctly.

### Blocky images appear in TV mode.

- Check your antenna connection. If necessary, rotate the antenna and wait up to 10 seconds for signal.
- Reduce signal splitters and excessively long cables.
- Replace poor antenna cables and/or connectors to improve signal quality.

### Wrong or Abnormal Colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is connected securely. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the High Definition LCD TV to another computer.

### Snow Appears on Screen

- Check your antenna connection. If necessary, rotate the antenna and wait up to 10 seconds for signal.
- Check the TV / CATV selection.
- Make sure the external device is HDCP compliant.

### AUDIO Interconnection Issues

- Remember that S-Video and Composite AV1 share the same audio source.

### No Sound

- Check the audio connection.
- Press MUTE on the remote control, so that MUTE disappears from the screen.
- Check the audio settings. The High Definition LCD TV audio may be set to SAP or minimum.
- Press the Volume + (Up) key on the remote control.

### Parental Control Password is “LOST”

- In the unlikely occurrence, select “PASSWORD EDIT” and enter “0000” to reset the password.

### How Can I Find More Help?

- Log on to: [www.westinghousedigital.com](http://www.westinghousedigital.com)
- Contact Westinghouse Customer Service at (866) 287-5555 or write us at [service@westinghousedigital.com](mailto:service@westinghousedigital.com)

## Cleaning the High Definition LCD TV

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- **MAKE SURE THE HIGH DEFINITION LCD TV IS TURNED OFF**
- **NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE**

### To clean the screen:

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

### To clean the case:

1. Use a soft, dry cloth.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

### Disclaimer

Westinghouse Digital does not recommend the use of any ammonia or alcohol-based cleaners on the High Definition LCD TV screen or case. Some chemical cleaners have been reported to damage the screen and or High Definition LCD TV case. Westinghouse Digital will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.



[www.westinghousedigital.com](http://www.westinghousedigital.com)