

LG Electronics Inc.

PLASMA TV OWNER'S MANUAL

32PC5RV

Please read this manual carefully and completely before operating your set. Retain it for future reference. Record model number and serial number of the set. See the label attached on the back cover and quote this information to your dealer when you require service.

> P/NO : MFL36546205(0707-REV00) Printed in Korea





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

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 electric shock to persons.

The exclamation point within 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.

WARNING/CAUTION

TO REDUCE THE RISK OF FIRE AND ELEC-TRIC SHOCK, DO NOT EXPOSE THIS PRO-DUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

WARNING / CAUTION

WARNING / CAUTION

To prevent fire or shock hazards, do not expose this product to rain or moisture.

FCC NOTICE

Class B digital device

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

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

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION

Do not attempt to modify this product in any way without written authorization from LG Electronics. Unauthorized modification could void the user's authority to operate this product

WARNING

IMPORTANT SAFETY INSTRUCTIONS

Important safety instructions shall be provided with each apparatus. This information shall be given in a separate booklet or sheet, or be located before any operating instructions in an instruction for installation for use and supplied with the apparatus.

This information shall be given in a language acceptable to the country where the apparatus is intended to be used.

The important safety instructions shall be entitled "Important Safety Instructions". The following safety instructions shall be included where applicable, and, when used, shall be verbatim as follows. Additional safety information may be included by adding statements after the end of the following safety instruction list. At the manufacturer's option, a picture or drawing that illustrates the intent of a specific safety instruction may be placed immediately adjacent to that safety instruction :

4

5

Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions.





Do not use this apparatus near water.





Clean only with dry cloth.



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



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



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.

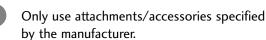


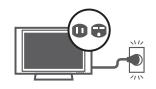
WARNING

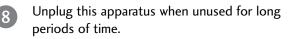
IMPORTANT SAFETY INSTRUCTIONS

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











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.





Never touch this apparatus or antenna during a thunder or lighting storm.

Do not allow a impact shock or any objects to fall into the product, and do not drop onto the screen with something. (You may be injured or the product can be damaged.)

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



WARNING

13

CAUTION concerning the Power Cord : Most appliances recommend they be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.



Outdoor Use Marking : WARNING - To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Appliance To Rain Or Moisture



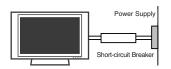
Wet Location Marking : Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on or over apparatus.



16 GROUNDING

Ensure that you connect the earth ground wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.



1	
4	

DISCONNECTING DEVICE FROM MAINS Main plug is the disconnecting device. The

plug must remain readily operable.

3

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FEATURES OF THIS TV

What is a Plasma TV ?

Using plasma is the best way to achieve flat panel displays with excellent image quality and large screen sizes that are easily viewable. The Plasma TV can be thought of as a descendant of the neon lamp and or a series of fluorescent lamps.

How does it work?

Plasma TV is an array of cells, known as pixels, which are comprised of three sub-pixels, corresponding to the colors red, green, and blue. Gas in a plasma state is used to react with phosphors in each sub-pixel to produce colored light (red, green, or blue). These phosphors are the same types used in Cathode Ray Tube (CRT) devices such as televisions and common computer monitors.

Plasma TV offers a rich, dynamic display because each sub-pixel is individually controlled by advanced electronics to produce over 16 million different colors. This means that you get perfect images that are easily viewable in a display that is fewer than five inches thick.

160° - Wide angle range of vision

Your flat panel plasma screen offers an exceptionally broad viewing angle of over 160 degrees. This means that the display is clear and visible to viewers anywhere in the room.

Wide Screen

The wide screen offers a theater-like experience in your own home.

Multimedia

Connect your plasma display to a PC and use it for conferencing, games, and Internet browsing. The Picture-in-Picture feature allows you to view your PC and video images simultaneously.

Versatile

The light weight and thin size makes it easy to install your plasma display in a variety of locations where conventional TVs do not fit.

The Plasma TV Manufacturing Process: a few minute colored dots may be present on the Plasma TV screen

The Plasma TV is composed of 0.9 to 2.2 million cells. A few cell defects will normally occur in the Plasma TV manufacturing process. Several tiny, minute colored dots visible on the screen should be acceptable. This also occurs in other Plasma TV manufacturers' products. The tiny dots appearing does not mean that this Plasma TV is defective. Thus a few cell defects are not sufficient cause for the Plasma TV to be exchanged or returned. Our production technology minimizes these cell defects during the manufacture and operation of this product.

ACCESSORIES

Ensure that the following accessories are included with your product. If an accessory is missing, please contact the dealer where you purchased the product.



Owner's Manual



2-Bolts



Batteries





2- TV Brackets, 2- Wall Brackets



Remote Control



Holder (Refer to p.11)



Power Cord





Cover

4-Bolts for stand assembly (Refer to p.10)

Polishing cloth

Polish the screen with the cloth.

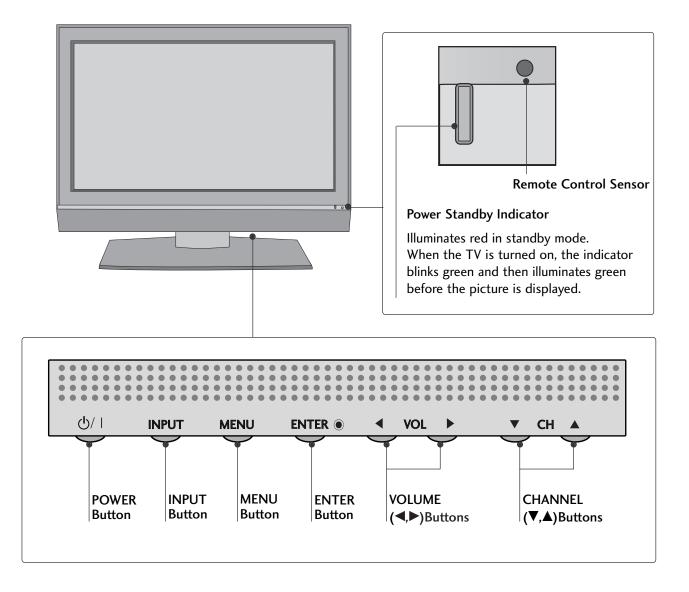
* Slightly wipe stained spot on the exterior only with the cleansing cloths for the product exterior if there is stain or fingerprint on surface of the exterior.

* Do not wipe roughly when removing stain. Please be cautious of that excessive power may cause scratch or discoloration.

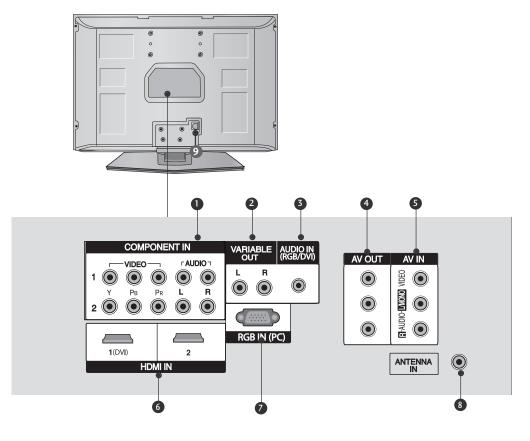
PREPARATION

FRONT PANEL CONTROLS

- This is a simplified representation of the front panel. Here shown may be somewhat different from your TV.
- If your product has a protection tape attached, remove the tape and then wipe the product with a cloth.
- (If a polishing cloth is included with your product, use it.)



BACK PANEL INFORMATION



Component Input 1/2 Connect a component video/audio device to these jacks.

2 Variable Output

Connect an external amplifier or add a subwoofer to your surround sound system.

3 Audio In (RGB/DVI)

Connect the monitor output from a PC (only Audio) to the appropriate input port.

AV OUT

Connect second TV or monitor to the AV OUT socket on the set

5 AV IN

Connect audio/video output from an external device to these jacks.

6 HDMI IN 1/2

Connect a HDMI signal to HDMI IN. Or DVI(VIDEO)signal to HDMI/DVI port with DVI to HDMI cable.

RGB PC Input

Connect the monitor output from a PC to the appropriate input port.

- Onterna In Connect over-the-air signals to this jack.
- Power Cord Socket

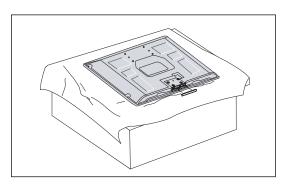
This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.

PREPARATION



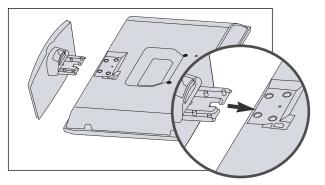
STAND INSTALLATION

Carefully place the product screen side down on a cushioned surface that will protect product and screen from damage.



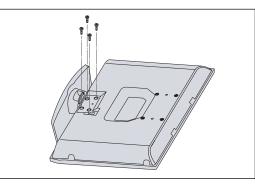


Assemble the product stand with the product as shown.



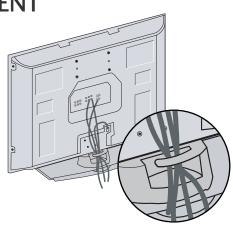


Install the 4 bolts securely, in the back of the product in the holes provided.



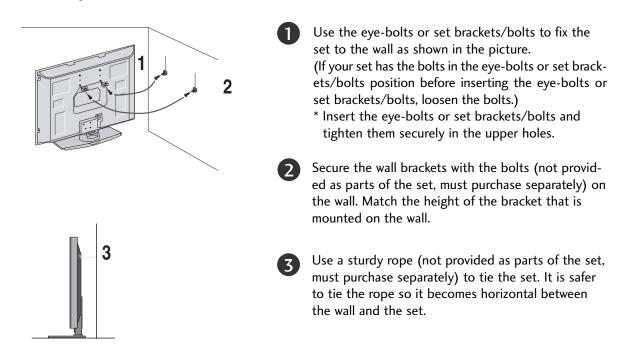
BACK COVER FOR WIRE ARRANGEMENT

Arrange the cables as shown picture.



ATTACHING THE TV TO A WALL

- Set it up close to the wall so the set doesn't fall over when it is pushed backwards.
- The instructions shown below is a safer way to set up the set, which is to fix it on the wall so the set doesn't fall over when it is pulled in the forward direction. It will prevent the set from falling for-ward and hurting people. It will also prevent the set from damage caused by fall. Please make sure that children don't climb on or hang from the set.

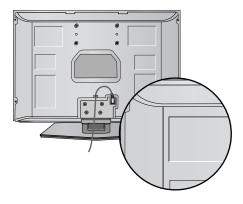


NOTE

- ▶ When moving the set to another place undo the ropes first.
- ▶ Use a set holder or a cabinet that is big and strong enough for the size and weight of the set.
- ▶ To use the set safely make sure that the height of the bracket that is mounted on the wall is same as that of the set.

POEWR CORD ARRANGEMENT

After connecting the power cord to the AC input terminal, remove the bolt at the hole on the back cover and fix the power cord at the rear side of the TV by using the bracket for fixing the power cord.



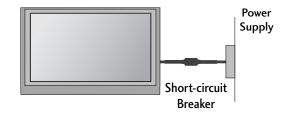
PREPARATION

INSTALLATION

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

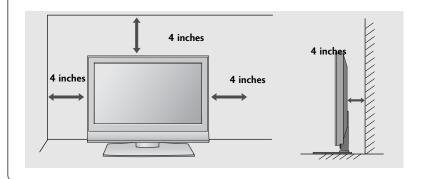
GROUNDING

Ensure that you connect the earth ground wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.



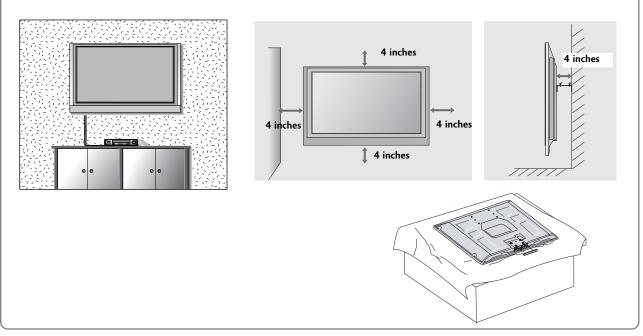
Desktop Pedestal Installation

For proper ventilation, allow a clearance of 4" on each side and from the wall.



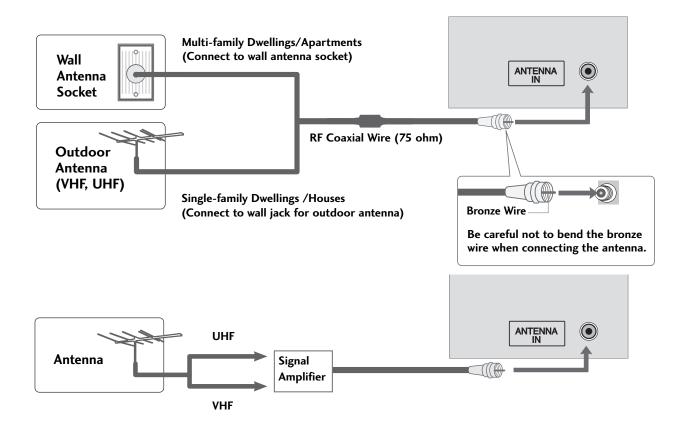
Wall Mount: Horizontal installation

For proper ventilation, allow a clearance of 4" on each side and from the wall. Detailed installation instructions are available from your dealer, see the optional Tilt Wall Mounting Bracket Installation and Setup Guide.



ANTENNA OR CABLE CONNECTION

Wall Antenna Socket or Outdoor Antenna without a Cable Box Connections. For optimum picture quality, adjust antenna direction if needed.



- To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly.
- If the antenna needs to be split for two TV's, install a 2-Way Signal Splitter.
- If the antenna is not installed properly, contact your dealer for assistance.

NOTE

▶ The TV will let you know when the analog and cable scans are complete.

To prevent the equipment damage, never plug in any power cords until you have finished connecting all equipment.

HD RECEIVER SETUP

When connecting with a component cable

1. How to connect



Connect the video outputs (Y, PB, PR) of the digital set top box to the **COMPONENT IN VIDEO 1** jacks on the set. Match the jack colors (Y = green, PB = blue, and PR = red).

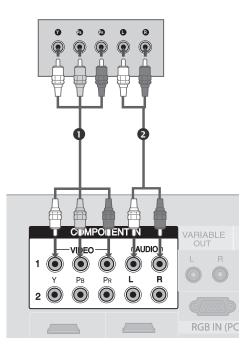


Connect the audio output of the digital set-top box to the **COMPONENT IN AUDIO 1** jacks on the set.

2. How to use

- Turn on the digital set-top box.
 (Refer to the owner's manual for the digital set-top box.)
- Select COMPONENT 1 input source with using the INPUT button on the remote control.
- If connected to COMPONENT IN2 input, select COMPONENT 2 input source.

Signal	Component 1/2	HDMI1/DVI, HDMI2
480i	Yes	No
480p/720p	Yes	Yes
1080i	Yes	Yes



When connecting with a HDMI cable

1. How to connect



Connect the digital set-top box to HDMI IN 1 (DVI) or HDMI IN 2 jack on the set.



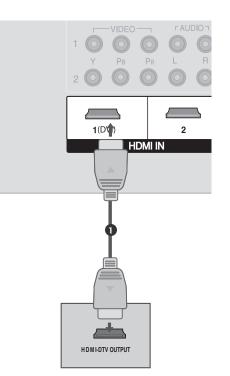
No separated audio connection is necessary.

2. How to use

- Turn on the digital set-top box.
 (Refer to the owner's manual for the digital set-top box.)
- Select HDMI1 or HDMI2 input source with using the INPUT button on the remote control.

NOTE

► TV can receive the video and audio signal simultaneously with using a HDMI cable.



Supported Display Resolution (HDMI-DTV mode)

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480	31.47 31.50	59.94 60.00
1280x720	44.96 45.00	59.94 60.00
1920x1080i	33.72 33.75	59.94 60.00

When connecting with a HDMI to DVI cable

1. How to connect

1

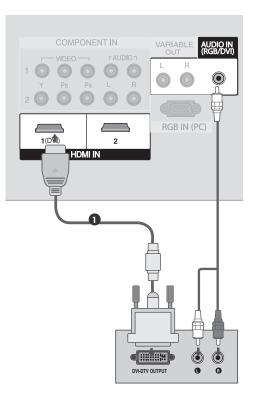
2

Connect the DVI output of the digital set-top box to the **HDMI IN 1 (DVI)** jack on the set.

Connect the audio output of the digital set-top box to the AUDIO(RGB/DVI) jack on the set.

2. How to use

- Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- Select HDMI1 input source with using the INPUT button on the remote control.



DVD SETUP

When connecting with a component cable

1. How to connect



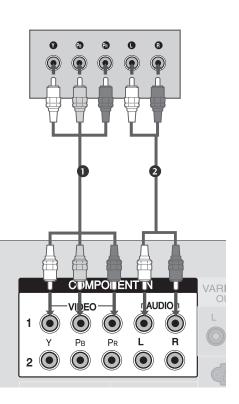
Connect the video outputs (Y, PB, PR) of the DVD to the **COMPONENT IN VIDEO1** jacks on the set. Match the jack colors (Y = green, PB = blue, and PR = red).



Connect the audio outputs of the DVD to the **COMPONENT IN AUDIO1** jacks on the set.

2. How to use

- Turn on the DVD player, insert a DVD.
- Select COMPONENT 1 input source with using the INPUT button on the remote control.
- If connected to COMPONENT IN 2 input, select COM-PONENT 2 input source.
- Refer to the DVD player's manual for operating instructions.



Component Input ports

To get better picture quality, connect a DVD player to the component input ports as shown below.

Component ports on the TV	Y	Рв	Pr
	Y	Рв	PR
Video output ports	Y	B-Y	R-Y
on DVD player	Y	СЬ	Cr
	Y	Pb	Pr

When connecting with a RCA cable

1. How to connect



Connect the **AUDIO/VIDEO** jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)

2. How to use

- Select AV IN input source with using the INPUT button on the remote control.
- Turn on the DVD player, insert a DVD.
- Refer to the DVD player's manual for operating instructions.

When connecting HDMI cable

1. How to connect



Connect the HDMI output of the DVD to the **HDMI IN 1 (DVI)** or **HDMI IN 2** jack on the set.



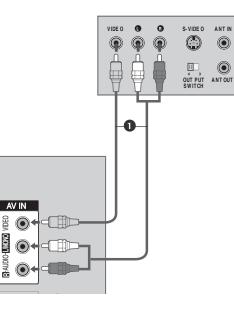
No separated audio connection is necessary.

2. How to use

- Select HDMI1 or HDMI2 input source with using the INPUT button on the remote control.
- Refer to the DVD player's manual for operating instructions.

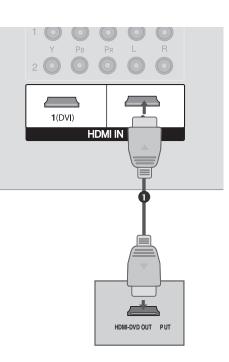
NOTE

▶ TV can receive the video and audio signal simultaneously with using a HDMI cable.



NOTE

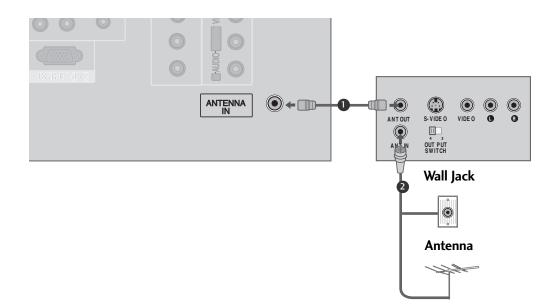
If you have a mono VCR, connect the audio cable from the VCR to the AUDIO
 L/MONO jack of the set.



VCR SETUP

- To avoid picture noise (interference), leave an adequate distance between the VCR and TV
- If the 4:3 picture format is used; the fixed images on the sides of the screen may remain visible on the screen. This phenomenon is common to all manufactures and in consequence the manufactures warranty does not cover the product bearing this phenomenon.

When connecting with an antenna



1. How to connect

Connect the RF antenna out socket of the VCR to the Antenna socket on the set.

Connect the antenna cable to the RF antenna in socket of the VCR.

2. How to use

1

2

- Set VCR output switch to 3 or 4 and then tune TV to the same channel number.
- Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)

When connecting with a RCA cable

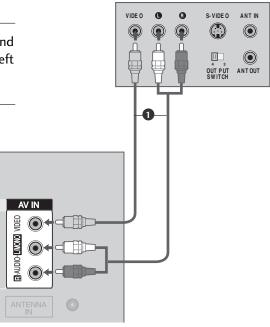
1. How to connect



Connect the **AUDIO/VIDEO** jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)

2. How to use

- Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
- Select AV1 input source with using the INPUT button on the remote control.



NOTE

If you have a mono VCR, connect the audio cable from the VCR to the AUDIO
 L/MONO jack of the set.

OTHER A/V SOURCE SETUP

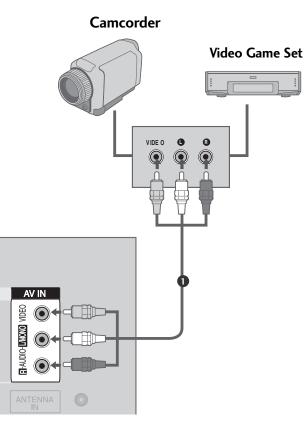
1. How to connect

Connect the **AUDIO/VIDEO** jacks between TV and external equipment. Match the jack colors. (Video = yellow, Audio Left = white, and Audio Right = red)

2. How to use

1

- Select AV IN input source with using the INPUT button on the remote control.
- Operate the corresponding external equipment.



PC SETUP

This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings.

When connecting with a D-sub 15 pin cable

1. How to connect



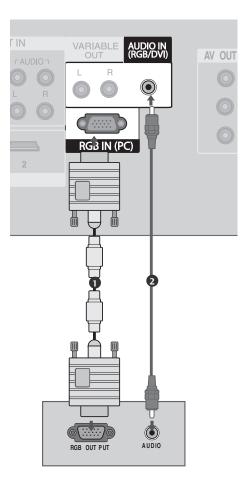
Connect the RGB output of the PC to the **RGB(PC)** jack on the set.



Connect the PC audio output to the **AUDIO** (RGB/DVI) jack on the set.

2. How to use

- Turn on the PC and the set.
- Select RGB-PC input source with using the INPUT button on the remote control.



NOTE

Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the VIDEO menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card.

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.468	70.09
720x400	31.469	70.08
640x480	31.469	59.94
848x480	31.5	60.00
852x480	31.5	60.00
800x600	37.879	60.31
1024x768	48.363	60.00

Supported Display Resolution (RGB[PC] mode)

NOTE

- To enjoy vivid picture and sound, connect a PC to the set.
- Avoid keeping a fixed image on the set's screen for a long period of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible.
- Connect PC to the RGB (PC) port of the set; change the resolution output of PC accordingly.
- There might be noise according to some resolution, vertical pattern, contrast or brightness in PC mode. Change the PC mode into another resolution or change the refresh rate into another rateor adjust the brightness and contrast on the menu until the picture is clean. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult it to the manufacturer of the PC graphic card.

- The synchronization input waveform for Horizontal and Vertical frequencies are separate.
- We recommend using 852x480, 60Hz for the PC mode, they provide the best picture quality.
- If the resolution of PC is over SXGA, there will be no picture on the set.
- Connect the audio cable from the PC to the Audio input on the set. (Audio cables are not included with the set).
- When you use too long RGB-PC cable, there might be a noise on the screen. We recommend using under 5m of the cable. It provides the best picture quality.

SCREEN SETUP FOR PC MODE

Auto Configure (RGB [PC] mode only)

Automatically adjusts picture position and minimizes image shaking.

Although the image is still not correct, your set is functioning properly but needs further adjustment.

Auto configure

This function is for the automatic adjustment of the screen position, clock, and phase. The displayed image will be unstable for a few seconds while the auto configuration is in progress.



Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.



Press the \triangleright button and then use \blacktriangle or \blacktriangledown button to select Screen.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select Auto config.



Press the ▶ button to start Auto config..

- When Auto config. has finished, OK will be shown on screen.
- If the position of the image is still not correct, try Auto adjustment again.

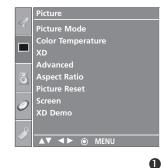
If picture needs to be adjusted more after Auto adjustment in RGB (PC), you can adjust the Manual config..

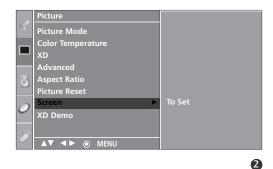


5

Press the **MENU** button to return to the previous menu.









Adjustment for screen Phase, Clock, Position

If the picture isn't clear after auto adjustment and especially if characters are still trembling, adjust the picture phase manually.

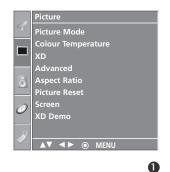
To correct the screen size, adjust Clock.

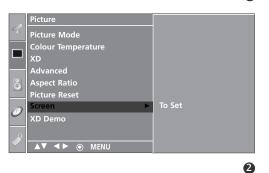
This function works in the following mode : RGB[PC], COMPONENT (480i/480p/720p/1080i), HDMI (480p/720p/1080i).

It's not available to use Phase, Clock function in COMPONENT (480i/480p/720p/1080i), HDMI (480p/720p/1080i).

- **Clock** This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.
- **Phase** This function allows you to remove any horizontal noise and clear or sharpen the image of characters.
- Press the MENU button and then use ▲ or ▼ button to select the Picture menu.
 - Press the ► button and then use ▲ or ▼ button to select Screen.
 - Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select Manual config.
- Press the ► button and then use ▲ or ▼ button to select Phase, Clock, H-position or V-position.
 - Press the ◀ or ► button to make appropriate adjustments.
- 6 Press the MENU button to return to the previous menu.









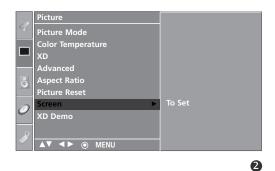
Selecting Wide VGA mode

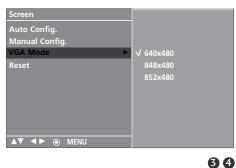
To see a normal picture, match the resolution of RGB mode and selection of VGA mode.

This function works in the following mode: RGB[PC] mode.











Press the **MENU** button and then use ▲ or **▼** button to select the Picture menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select Screen.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select VGA Mode.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select the desired VGA resolution.



Press the **MENU** button to return to the previous menu.

Initializing (Reset to original factory settings)

This function operates in current mode. To initialize the adjusted value.

1

3

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.

2 Press the ► button and then use ▲ or ▼ button to select Screen.

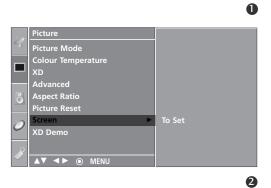
Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select **Reset**.

• You can initialize Position, PIP size, PIP position.

Press the ► button.



	Picture
97	Picture Mode
	Colour Temperature
ш	XD
	Advanced
6	Aspect Ratio
	Picture Reset
0	Screen
	XD Demo



Screen Auto Config. Manual Config. VGA Mode Reset ► To Set ▲▼ ▲► ● MENU 3 4

EXTERNAL EQUIPMENT SETUP

AV OUT SETUP

The TV has a special signal output capability which allows you to hook up the second TV or monitor.

1. How to connect

Connect the second TV or monitor to the TV's **AV OUT** jacks.

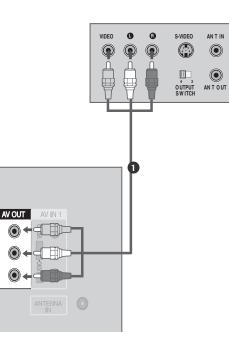
2

1

See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

NOTE

- Component, RGB, HDMI input sources cannot be used for AV out.
- ▶ We recommend to use the AV OUT jacks for VCR recording.



EXTERNAL STEREO

Use to connected either an external amplifier, or add a subwoofer to your surround sound system.

1. How to connect



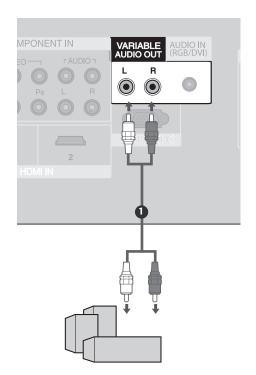
Connect the input jack of the stereos amplifier to the **VARIABLE AUDIO OUT** jacks on the set.



Set up your speakers through your analog stereo amplifier, according to the instructions provided with the amplifier.

NOTE

 When connecting with external audio equipments, such as amplifiers or speakers, please turn the TV speakers off.
 (> p.57)



WATCHING TV /SETUP CONTROL

TURNING ON THE TV

If your TV will be turned on, you will be able to use its features.



First, connect power cord correctly.

At this moment, the TV switches to standby mode.

In standby mode to turn TV on, press the ^(h)/₁, INPUT, CH ▲ / ▼ button on the TV or press the POWER, TV, INPUT, CH + /-, Number(0~9) button on the remote control and then the TV will switch on.

Installation guide menu appears on TV screen when it is turned on for the first time.



Press the \blacktriangle or \blacktriangledown or \blacklozenge or \blacktriangleright button and then, **ENTER** button to select your desired language.

3

Press the \blacktriangleleft or \blacktriangleright button and then, **ENTER** button to select your desired location.

Installation Guide

If the OSD (On Screen Display)is displayed on the screen as figure after turning on the set, you can adjust the Language, Location, Auto tuning.

Location

- * In-Store: It maintains the picture mode optimized for the shop environment. It maintains the picture mode as 'dynamic' at a specific interval.
- * **Home:** The user can adjust the picture mode to use.

Note: In order to reset the installation guide, select **Factory Reset** at the **Option** menu. (> p.67)



WATCHING TV /SETUP CONTROL

ON-SCREEN MENUS LANGUAGE SELECTION

* If you want to change Language seleccion.



Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Option** menu.

2

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select Language.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select your desired language. From this point on, the on-screen menus will be shown in the selected language.



Press the **MENU** button to return to the previous menu.

VOLUME ADJUSTMENT



Press the VOL + /- button to adjust the volume.



If you want to switch the sound off, press the MUTE button.



You can cancel this function by pressing the MUTE, VOL + /- or MTS button.

CHANNEL ADJUSTMENT



Press the CH + /- or NUMBER button to select a channel number.

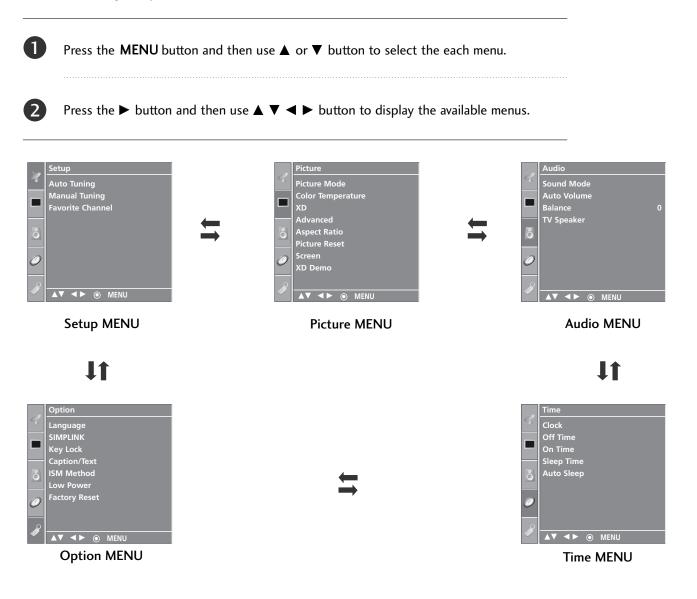
NOTE

▶ If you intend to be away on vacation, disconnect the power plug from wall power outlet.



ON SCREEN MENUS SELECTION AND ADJUSTMENT

Your TV's OSD (On Screen Display) may differ slightly from what is shown in this manual. The OSD mainly use pictures for the Plasma TV models.



NOTE

- a. The OSD (On Screen Display) function enables you to adjust the screen status conveniently since it provides graphical presentation.
- b. In this manual, the OSD (On Screen Display) may be different from your TV's because it is just example to help the TV operation.

WATCHING TV /SETUP CONTROL

REMOTE CONTROL FUNCTIONS

When using the remote control, aim it at the remote control sensor on the TV.

	POWER	Turns your TV or any other programmed equipment
POWER TV		on or off, depending on mode.
		
1 2 3	IV	Returns to the TV mode.
		If you press the button once, the input source OSD
4 5 6		will appear on screen as shown. Press the \blacktriangle / \blacktriangledown button
		and then ENTER button to select the desired input source
		(TV, AV, Component 1, Component 2, RGB PC, HDMI1 or
		HDMI2).
BATIO EXIT MENU		
	RATIO	Selects your desired picture format.
ENTER	FXIT	Clears all on-screen displays and returns to TV viewing
	E/di	from any menu.
CH CH		5
	MENU	Selects a menu.
		Accente your coloction or displays the surrent mode
	EINTER	Accepts your selection or displays the current mode.
		Controls some video cassette recorders or DVD players when you have already selected DVD or VCR mode button.
		Control connected AV devices by pressing the \blacktriangle / \checkmark /
		Image: Figure 1 - A start of the sta
FAV REVIEW CH EDIT		fast reverse, fast forward, chapter skip.
		(The O button does not provide such functions.)
SLEEP CAPTION MTS		
SIZE POSITION PIP	SIZE	Adjusts the sub picture size.
PIP CH - PIP CH + * PIP INPUT		
	POSITION	Moves the sub picture.
	DID	Switches the sub picture PIP, DW mode.
	r ir	Switches the sub picture in, bit mode.
	PIP CH -/+	Selects a program for the sub picture.
		Solarto the input course for the sub sisture in DID (DW)
	PIP INPUT	Selects the input source for the sub picture in PIP/DW mode.

SIMPLINK See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.(▶ p.38)



0~9 number	Selects a channel.
button	Selects numbered items in a menu.
MUTE	Switches the sound on or off.
VOLUME	Increases/decreases the sound level.
UP/DOWN	To select the desired menu item when menu is displayed on the screen.
CHANNEL	Selects a channels.
	To enter or adjust the selected menu when menu is displayed on the screen.
FAV	Selects a favorite channel.
REVIEW	Returns to the previously viewed channel.
CH EDIT	Memorizes or erases selected channel.
SLEEP	Sets the sleep timer.
CAPTION	Selects CAPTION mode.
MTS	Selects the MTS sound: Mono , Stereo , or SAP .

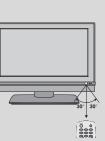
Installing Batteries

- Open the battery compartment cover on the back side and install the batteries matching correct polarity (+ with +, - with -).
- Install two 1.5V AA batteries. Don't mix old or used batteries with new ones.

Close cover.

Remote control effective range

- Use a remote control up to 7 meters distance and 30 degree (left/right) within the receiving unit scope.
- Dispose of used batteries in a recycle bin to preserve environment.



WATCHING TV /SETUP CONTROL

CHANNEL SETUP

AUTO TUNING: CHANNEL SEARCH

Auto Tuning should be used to memorize all the active channels in your area before you are able to use the TV.

There are two ways of storing channels in the TV's memory. You can use either.

One is called AUTO TUNING and the other is called MANUAL TUNING.

In AUTO TUNING mode, the TV will memorize the channels in ascending numerical order. If there are additional channels you want to add or delete, you can manually add or delete those channels with Manual Tuning.

- Redo Auto Tuning if the TV is ever moved to another location.

- Auto Tuning will search for channels only through the Antenna jack.





0

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Setup** menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Auto Tuning**.

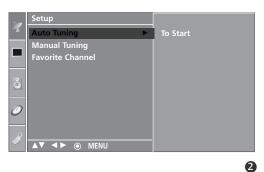


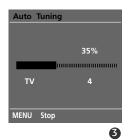
Press the ► button. **Auto Tuning** starts the channel search.



If you want to stop auto programming, press the **MENU** button. Only the channels found up to at that time are

memorized.





MANUAL TUNING: ADDING/DELETING CHANNELS

You can add or delete channels from the channel scan manually.

1

Use the $CH \blacktriangle / \nabla$ or NUMBER buttons to select the channel number you want to add or delete.



3

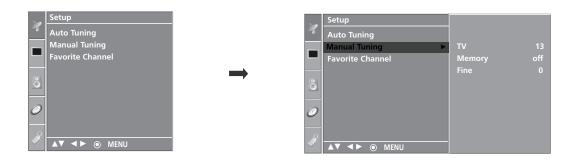
4

Press the **MEMORY/ERASE** button.

Press the **MEMORY/ERASE** button to select **Memory** or **Erase**.

Press the ENTER button.

• You can also use the **SETUP** menu to adjust **Manual Tuning**.





WATCHING TV /SETUP CONTROL

FINE TUNING ADJUSTMENT

Normally fine tuning is only necessary if reception is poor. To remove fine tuning from a channel, reprogram the finely-tuned channel with Auto program or Manual Program. If a finely-tuned channel is memorized, the color of the channel number changes to yellow.



(

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Setup** menu.



Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **Manual Tuning**.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Fine**.

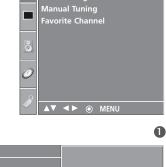
4

Press the \blacktriangleleft or \blacktriangleright button to adjust the picture to your preference.



Press the ENTER button to store it.











FAVORITE CHANNELS SETUP

Favorite Channels is a convenient feature that lets you quickly scan up to 8 channels of your choice without having to wait for the TV to scan through all the in-between channels.

To tune to a favorite channel, press the **FCR** (Favorite Channel Review) button repeatedly. The 8 favorite channels appear on the screen in numerical order.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Setup** menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Favorite Channel**.



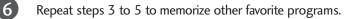
4

5

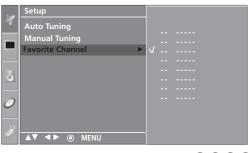
Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select the first favorite program position.

Use the \blacktriangleleft or \blacktriangleright button to set the desired channel number for first favorite program.

Press the **EXIT** button to return to normal TV viewing.







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WATCHING TV /SETUP CONTROL

SIMPLIN

This operates only for the devices with the Smplink logo. Please check the Smplink logo.

This allows you to control and play other AV devices connected to the display through HDMI cable without additional cables and settings.

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Option** menu.



1)

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **SIMPLINK**.



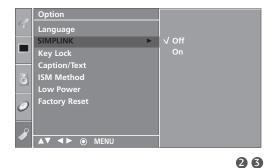
Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **On** or **Off**.



Press the **MENU** button to return to the previous menu.







NOTE

- Connect the HDMI IN 1 (DVI) or HDMI IN 2 terminal of the TV to the rear terminal (HDMI output) of the Simplink device with the HDMI cable.
- ► After connecting the HDMI terminal for the home theater with simplink function in the above method, connect the VARIABLE AUDIO OUT terminal on the back of the TV to the VARIABLE AUDIO IN terminal on the back of the simplink device with the VARIABLE AUDIO OUT cable.
- ▶ When operating the external device with Simplink, press the TV button among the MODE button on the remote control.
- ▶ When you switch the Input source with the INPUT button on the remote control, you can stop the operation of device worked by Simplink.
- ▶ When you select or operate the media device with home theater function, the speaker automatically switches to home theater speaker (HT speaker).

SIMPLINK Functions

Direct Play

After connecting AV devices to TV, you can directly control the devices and play media without additional settings.

Select AV device

Enables you to select one of AV devices connected to TV and play it.

Disc playback

Power off all devices

When you power off TV, all connected devices are turned off.

Switch audio-out

1)

2

3

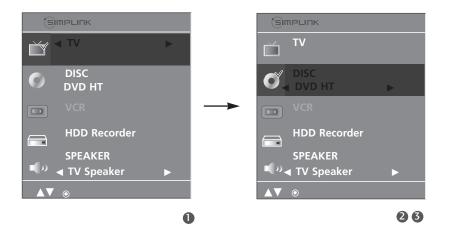
Offers an easy way to switch audio-out.

(A device, which is connected to TV through HDMI cable but does not support Simplink, does not provide this function)



After selecting the **TV** button of the MODE on the remote control, press the **SIMPLINK** button.

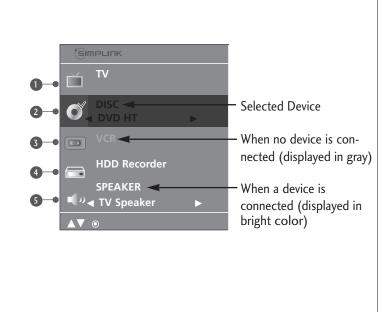
Use $\blacktriangle \lor \dashv \lor$ button to select the desired device and then press the **ENTER** button.



WATCHING TV /SETUP CONTROL

SIMPLINK Menu

- TV viewing : Switch to the previous TV channel regardless of the current mode.
- DISC playback : Select and play discs. When multiple discs are available, the titles of the discs are conveniently displayed at the bottom of the screen.
- **VCR playback** : Play and control the connected VCR.
- HDD Recordings playback : Play and control recordings stored in HDD.
- G Audio Out to HT speaker/Audio Out to TV : Select HT speaker or TV speaker for Audio Out.



PICTURE CONTROL

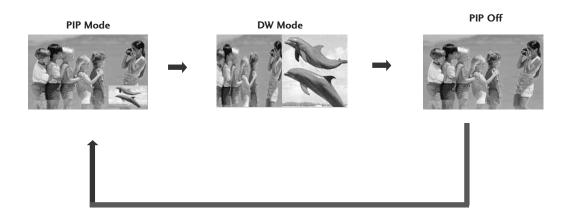
PIP / DOUBLE WINDOW

PIP lets you view 2 different inputs (sources) on your TV screen at the same time. One source will be large, and the other source will show a smaller inset image. Double Window mode splits the screen into two images, allowing two picture sources to be shown on the TV screen at the same time. Each source is given half the screen.

PIP function is available in the Component, RGB, HDMI mode. (But, it can't adjust 480i resolution of Component mode.)

Watching PIP/Double Window

Press the **PIP** button to access the sub picture. Each press of PIP changes the PIP options as shown below.



TV Program Selection for PIP

1

Use the PIP CH +/- button to select a channel for the sub picture.

The selected channel number is displayed just below the input source of main picture.

PICTURE CONTROL

Selecting an Input Signal Source for the PIP/Double Window

Use the **PIP INPUT** button to select the input source for the sub picture. Each press of **PIP INPUT** button changes the PIP source. (Sub picture can be selected only TV, AV1, AV2)

Sub Picture Size Adjustment (PIP mode only)

Press the **SIZE** button to adjust the sub picture size.

With **SIZE** button in PIP mode, sub picture is adjusted.

Moving the Sub Picture (PIP mode only)

Press the **POSITION** button.

Repeatedly press the **POSITION** button then sub picture moves.



PICTURE MODE CONTROL

It does not operate at the "In-Store "mode.

Dynamic	Select this option to display with a sharp image.
Standard	The most general and natural screen display status.
Mild	Select this option to display with a mild image.
User1/2	Select this option to use the user-defined setting.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.

Press the ► button and then use ▲ or ▼ button to select **Picture Mode**.



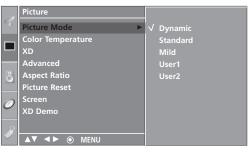
2

Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select **Dynamic**, **Standard**, **Mild**, **User1** or **User2**.

Press the **MENU** button to return to the previous menu.

- Picture Mode adjusts the TV for the best picture appearance. Select the preset value in the Picture Mode menu based on the program category.
- Dynamic, Standard, Mild Settings are preset for optimum picture quality at the factory and are not adjustable.
- In the User1 and User2 modes only, you can directly adjust the contrast, brightness, color, sharpness, tint.





23

PICTURE CONTROL

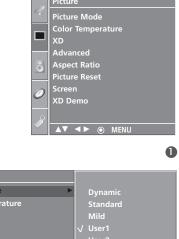
PICTURE CONTROL

MANUAL PICTURE CONTROL (PICTURE MODE-USER OPTION)

Adjust the picture appearance to suit your preference and viewing situations.

,	•		0	
Cont	trast	Adjusts the difference between the light and the picture.	d dark levels in	
Colo	htness or pness	Increases or decreases amount of white in Adjusts intensity of all colors. Adjusts the level of crispness in the edges b and dark areas of the picture. The lower the the image.	etween the ligh	er
Tint		Adjusts the balance between red and green	levels.	Pictu Pictu Color XD
0		e MENU button and then use ▲ or ▼ button the Picture menu.		Adva Aspe Pictu Ø XD D
2		• ► button and then use ▲ or ▼ button to cture Mode.	Picture Picture Mode Color Tempe	
3		▶ button and then use ▲ or ▼ button to ser 1 or User 2.	XD Advanced Aspect Ratio Picture Reset Screen XD Demo	
4	select th	e ▶ button and then use ▲ or ▼ button to e desired picture option (Contrast , ess , Color , Sharpness and Tint).	User1	100 ►
5		e ► button and then use ◀ or ► button to propriate adjustments.	Brightness Color Sharpness Tint	50 50 50 0
6	Press the	e MENU button to return to the previous) MENU













menu.

NOTE

▶ In RGB-PC/HDMI(No signal) mode, you can't adjust color, sharpness and tint to the levels you prefer.

COLOR TEMPERATURE CONTROL

Choose one of three automatic color adjustments. Set to warm to enhance hotter colors such as red, or set to cool to see less intense colors with more blue.

This menu is activated after selecting the User 1 or User 2 of Picture Mode.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.

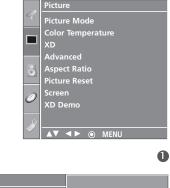


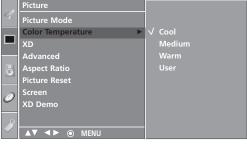
Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **Color Temperature**.



4

Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select either **Cool**, **Medium**, **Warm** or **User**.





PICTURE CONTROL

MANUAL COLOR TEMPERATURE CONTROL (USER OPTION)

You can also adjust the detailed settings (Red, Green, Blue) by selecting the **user** menu.

This menu is activated after selecting the User 1 or User 2 of Picture Mode.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Color Temperature**.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **User**.



Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **Red**, **Green** or **Blue**.

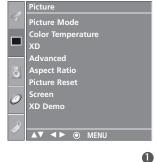


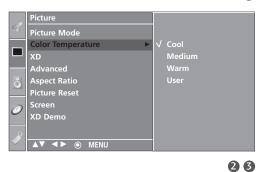
Press the \blacktriangleright button and then use \blacktriangleleft or \blacktriangleright button to make appropriate adjustments.

■ The adjustment range of **Red**, **Green**, or **Blue** is -30 ~ +30.



Press the **MENU** button to return to the previous menu.







d +25 **∢**_____

4

XD

XD is LG Electronic's unique picture improving technology to display a real HD source through an advanced digital signal processing algorithm.

When selecting Picture Mode options (Dynamic, Standard and Mild), XD is automatically changed to Auto.

When selecting Picture Mode options (User 1 and User 2), you can choose the Auto / Manual.

When selecting the Manual, you can adjust the XD Contrast, XD color and XD NR.

It's not available to use this function in RGB-PC/HDMI(No signal) mode.



2

3

4

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.

- Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select XD.
- Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select **Auto** or **Manual**.

Selecting the Manual

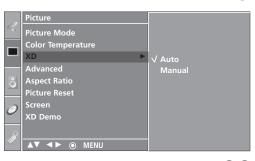
This menu is activated after selecting the User 1 or User 2 of Picture Mode.

- Press the ▶ button and then use ▲ or ▼ button to select XD Contrast, XD Color or XD NR (Noise).
 - **XD Contrast:** Optimizing the contrast automatically according to the brightness of the reflection.
 - XD Color: Adjusting the colors of the reflection automatically to reproduce as closely as possible to the natural colors.
 - XD NR (Noise) : Removing the noise up to the point where it does not damage the original picture. (It's not available to use this function in HDMI, Component (except 480i), RGB-PC mode.)
- Press the ► button and then use ▲ or ▼ button to select On or Off.













PICTURE CONTROL

ADVANCED-CINEMA MODE SETUP

Set up the TV for the best picture appearance for viewing movies.

When you operate Cinema (3:2 Pull-Down Mode or Cinema Correction Mode), the TV will adjust 24 fps video from movies to 30 fps video for display.

This feature operates only in Analog TV, AV and Component 480i mode.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.



Press the \triangleright button and then use \blacktriangle or \triangledown button to select **Advanced**.

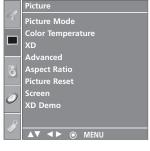


Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **Cinema**.

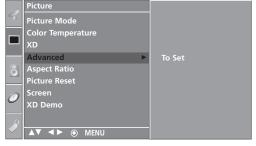


5

Press the \triangleright button and then use \blacktriangle or \checkmark button to select **On** or **Off.**

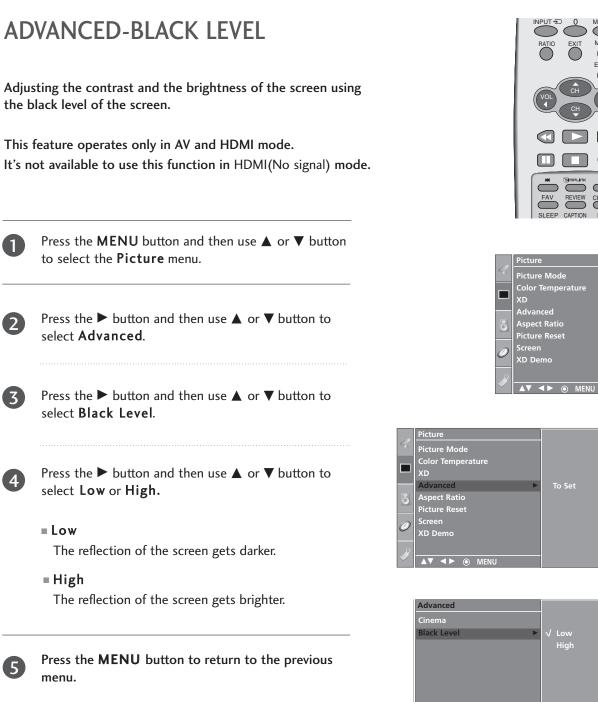










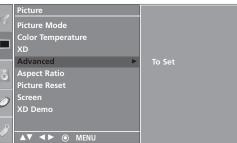








MENU





4

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Low High

PICTURE CONTROL

ASPECT RATIO CONTROL

This feature lets you choose the way an analog picture with a 4:3 aspect ratio is displayed on your TV. When you receive an analog picture with a 4:3 aspect ratio on your 16:9 TV, you need to specify how the picture is to be displayed. Component, RGB and HDMI input source use 4:3 or 16:9 aspect ratio.

If a fixed image is displayed on the screen for a long time, the image may become imprinted on the screen and remain visible.

This phenomenon is common to all manufactures and in consequence the manufactures warranty does not cover the product bearing this phenomenon.



1

Press the RATIO button repeatedly to select the desired picture format.

You can also adjust Aspect Ratio in the Picture menu.

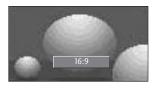
4:3

Choose 4:3 when you want to view a picture with an original 4:3 aspect ratio.



16:9

Adjust the picture horizontally, in a linear proportion to fill the entire screen.



Horizon

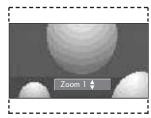
The screen size is, more enlarged at both sides, to create a spectacular view.



Zoom 1

Choose Zoom 1 when you want to view the picture without any alteration. However, the top and bottom portions of the picture will be cropped.

You can move the Zoom1 screen using ▲ or ▼ button.



Zoom 2

Choose Zoom 2 when you want the picture to be altered, both vertically extended and cropped. The picture taking a halfway trade off between alteration and screen coverage.

You can move the Zoom2 screen using \blacktriangle or \blacktriangledown button.



PICTURE RESET

Use to quickly reset all the Picture menu options to their original factory preset values.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Picture** menu.

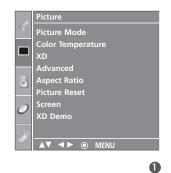


3

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Picture Reset**.

Press the ► button to initialize the adjusted value.

• Returns to the default settings Picture Mode, Color Temperature, XD, Advanced, Aspect Ratio at the factory.





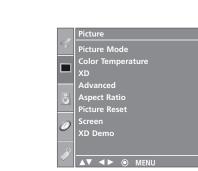
23

PICTURE CONTROL

PICTURE CONTROL

XD DEMO

Use it to see the difference between XD Demo on and XD Demo off. Note: It's not available to use this function in RGB-PC/HDMI(No signal) mode.



MUTE X

MENU

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23



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Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **XD Demo**.

Press the **MENU** button and then use ▲ or ▼ button



Press the ► button to begin **XD Demo**.

to select the **Picture** menu.

4 To stop **XD Demo**, press the **MENU** button.

• XD Demo

Color Temperatur

Advanced Aspect Ratio Picture Reset

DD



AUDIO CONTROL

SOUND MODE CONTROL

Sound Mode lets you enjoy the best sound without any special adjustment because the TV sets the appropriate sound options based on the program content.

Surround MAX, Standard, Music, Movie, and **Sports** are preset for good sound quality at the factory and are not adjustable.

Surround	MAX Select this option to sound realistic.		
Standard	The most commanding and natural audio.		
Music	Select this option to enjoy the original sound when listening to the music.		
Movie	Select this option to enjoy sublime sound.		
Sports	Select this option to watch sports broadcasting.		
User	Select this option to use the user-defined audio settings.		

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Audio** menu.



3

1

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Sound Mode**.

Press the ► button and then use ▲ or ▼ button to select Surround MAX, Standard, Music, Movie, Sports or User.









AUDIO CONTROL

SOUND CONTROL ADJUSTMENT (USER OPTION)





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Audio** menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Sound Mode**.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **User**.



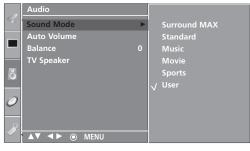
5

Press the ► button.

Select a sound band by pressing the \blacktriangleleft / \blacktriangleright button. Make appropriate sound level with the \blacktriangle / \checkmark button.







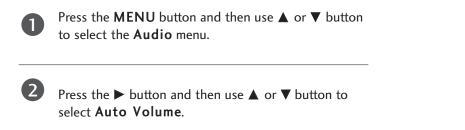




AUTO VOLUME LEVELER

Auto Volume automatically keeps on an equal volume level even if you change program.



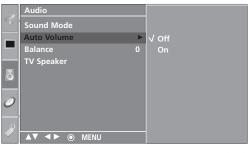




4

Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **On** or **Off**.



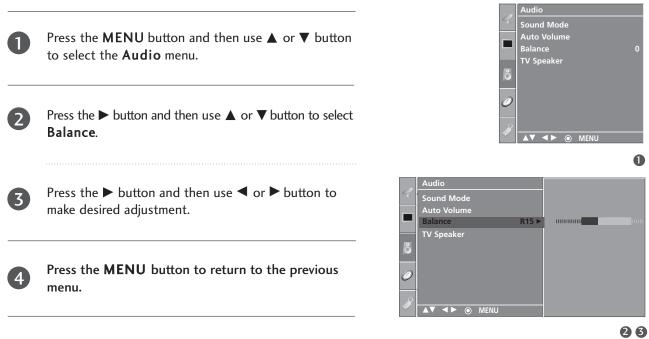


AUDIO CONTROL

BALANCE ADJUSTMENT

Adjust the left/right sound of speaker to suit your taste and room situations.





0

TV SPEAKERS ON/OFF SETUP

Turn the TV speakers off if using external audio equipment. Feature turns the TV Speakers option On or Off.

In AV, Component, RGB-PC and HDMI mode, internal speaker audio can be outputted even though there is no video signal.

If you want to use your external hi-fi stereo system, turn off the internal speakers of the set.

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Audio** menu.

Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **TV Speaker**.



1

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Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **On** or **Off**.

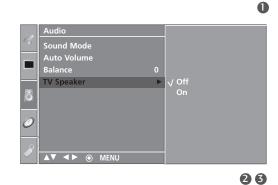
4

Press the **MENU** button to return to the previous menu.



MENU





AUDIO CONTROL

STEREO/SAP BROADCASTS SETUP

The TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program; if the broadcaster transmits one additional sound signal in addition to the original one.

Mono: The primary language is heard from left and right speakers. Signal mode is mono.

Stereo: The primary language is heard from left and right speakers. Signal mode is stereo.

SAP: The secondary language is heard from left and right speakers in mono sound.



2

Use the **MTS** button to select your desired MTS mode in analog signal. Each time you press the **MTS** button, **Mono**, **Stereo**, or **SAP** appear in turn.

Press the **EXIT** button to return to the previous menu.



NOTE

- Select mono sound mode if the signal is not clear or in poor signal reception areas.
- **Stereo**, **SAP** modes are available only if included on the broadcast signal.

TIME SETTING

CLOCK SETUP

If the current time setting is wrong, reset the clock manually.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Time** menu.

Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select **Clock**.



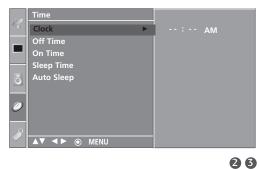
2

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to set the Time.



Press the **MENU** button to return to the previous menu.





AUDIO CONTROL

TIME SETTING

ON/OFF TIME SETUP

The time function operates only if the current time has been set.

The Off-Time function overrides the On-Time function if they are both set to the same time.

The TV must be in standby mode for the On-Time to work. If you do not press any button within 2 hours after the TV turns on with the On Time function, the TV will automatically revert to standby mode.

0

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Time** menu.

2

Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select **Off time** or **On time**.

3

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **On**.

• To cancel the **On/Off time** function, select **Off**.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to set the hour.



Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to set the minutes.

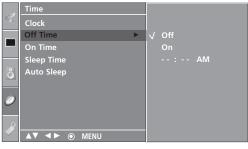
6 Only On time

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown to set the sound level at turn-on.

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown to select the channel at turn-on.













ON/OFF TIME SETUP

The Sleep Time turns the TV off at the preset time. Note that this setting is cleared when the TV is turned off.

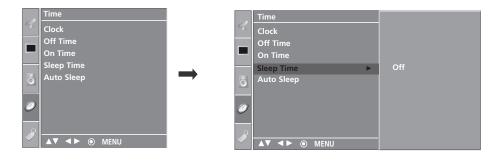


Press the **SLEEP** button repeatedly to select the number of minutes. First the \bigcirc^{z^2} - - - option appears on the screen, followed by the following sleep timer options : 10, 20, 30, 60, 90, 120, 180, and 240 minutes.



When the number of minutes you want is displayed on the screen, press the **ENTER** button. The timer begins to count down from the number of minutes selected.

• You can also adjust **Sleep Time** in the **Time** menu.



NOTE

- ► To view the remaining sleep time, press the **SLEEP** button once.
- ▶ To cancel the sleep time, repeatedly press the **SLEEP** button until the display ' \bigcirc^{z^2} - 'appears.
- ▶ When you switch the set off, the set releases the preset sleep time.

TIME SETTING

AUTO SLEEP

If set to on and there is no input signal, the TV turns off automatically after 10 minutes.



Press the **MENU** button and then use ▲ or **▼** button to select the **Time** menu.



1

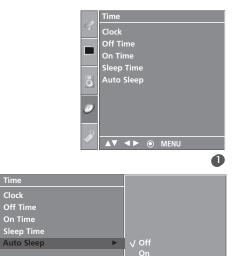
Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select Auto Sleep.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **On** or **Off**.



Press the MENU button to return to the previous menu.



Clock

Auto Sle

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OPTION CONTROL

KEY LOCK

The TV can be set so that the remote control is needed to control it.

This feature can be used to prevent unauthorized viewing by locking out the front panel controls.

This TV is programmed to remember which option it was last set to even if you turn the set off.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Option** menu.

Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select **Key lock**.



2

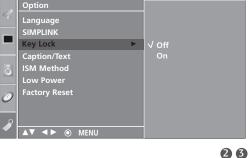
Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **On** or **Off**.



Press the **MENU** button to return to the previous menu.



Option



- In Key lock 'On', if the set is turned off, press the ^(b) / I, INPUT, CH ▲ / ▼ button on the set or POWER, INPUT, TV, CH /+ or NUMBER buttons on the remote control.
- ▶ With the **Key lock On**, the display '**Key Lock On**' appears on the screen if any button on the front panel is pressed while viewing the set.

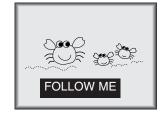
OPTION CONTROL

CLOSED CAPTIONS

Closed captioning is a process which converts the audio portion of a television program into written words which then appear as subtitles on the television screen. Closed captions allow viewers to read the dialogue and narration of television programs.

Using Closed Captions

Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. Its possible to caption a live program by using a process called real-time captioning, which creates captions instantly. Real-time captioning is normally done by professional reporters using a machine shorthand system



and computer for translation into English.

Captioning is an effective system for the hearingimpaired, and it can also aid in teaching language skills.

• The picture at left shows a typical caption.

Caption Tips

- Not all TV broadcasts include closed caption signals.
- Sometimes TV stations broadcast four different caption signals on the same channel. By selecting Mode1 to Mode2, you can choose which signal you view. Mode1 is usually the signal with the captions, while another mode might show demonstration or programming information.
- Your TV might not receive caption signals normally in the following situations.

1. Poor reception conditions are encountered:





• IGNITION:

Picture may flutter, drift, suffer from black spots, or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills, and other electrical appliances.

• GHOSTS:

Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.

• SNOW:



If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

- 2. An old, bad, or illegally recorded tape is being played.
- 3. Strong, random signals from a car or airplane interfere with the TV signal.
- 4. The signal from the antenna is weak.
- 5. The program wasn't captioned when it was produced, transmitted, or taped.

Use the CAPTION button repeatedly to select your caption Mode 1, Mode 2, Text1, Text2, or Off.



Press the **EXIT** button to return to TV viewing.

• You can also adjust **Caption/Text** in the **Option** menu.

ISM (IMAGE STICKING MINIMIZATION) METHOD

A frozen of still picture from a PC/video game displayed on the screen for prolonged periods will result in a ghost image remaining even when you change the image. Avoid allowing a fixed image to remain on the set's screen for a long period of time.

White Wash

White wash removes permanent images from the screen. Note: An excessive permanent image may be impossible to clear entirely with White Wash.

Orbiter

Orbiter may help prevent ghost images. However, it is best not to allow any fixed image to remain on the screen. To avoid a permanent image on the screen, the screen will move every 2 minutes.

Inversion

This is the function to invert the panel colour of the screen. The panel colour is automatically inverted every 30 minutes.

1

Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Option** menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **ISM Method**.

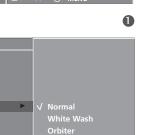


Press the \blacktriangleright button and then use \blacktriangle or \triangledown button to select Normal, White Wash, Orbiter or Inversion.

Press the **MENU** button to return to the previous menu.







SIMPLINK

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OPTION CONTROL

LOW POWER

This is the function to reduce the power consumption of the set.



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Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Option** menu.

Press the \blacktriangleright button and then use \blacktriangle or \checkmark button to select **Low power**.



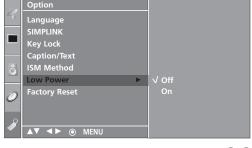
1

2

Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **On** or **Off**.







FACTORY RESET

It initializes the entire OSD (On Screen Display)settings. The Installation Guide Setup window is displayed again after the initialization.





Press the **MENU** button and then use \blacktriangle or \blacktriangledown button to select the **Option** menu.



Press the \blacktriangleright button and then use \blacktriangle or \blacktriangledown button to select **Factory Reset**.



Press the \blacktriangleright button.





OPTION CONTROL

APPENDIX

TROUBLESHOOTING CHECKLIST

The operation does not work normally.		
 The remote control doesn't work Check to see if there is any object between the product and the remote control directly at the causing obstruction. Ensure you are pointing the remote control directly at the Ensure that the batteries are installed with correct polarity (+ to +, - to -). Ensure that the correct remote operating mode is set: TV, VCR etc. Install new batteries. 		
 Power is suddenly turned off Is the sleep timer set? Check the power control settings. Power interrupted. No broadcast on station tuned with Auto off activated. 		

The video function does not work.		
No picture & No sound	 Check whether the product is turned on. Try another channel. The problem may be with the broadcast. Is the power cord inserted into wall power outlet? Check your antenna direction and/or location. Test the wall power outlet, plug another product's power cord into the outlet where the product's power cord was plugged in. 	
Picture appears slow- ly after switching on	This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.	
No or poor color or poor picture	 Adjust Color in menu option. Keep a sufficient distance between the product and the VCR. Try another channel. The problem may be with the broadcast. Are the video cables installed properly? Activate any function to restore the brightness of the picture. 	
Horizontal/vertical bars or picture shaking	Check for local interference such as an electrical appliance or power tool.	
Poor reception on some channels	 Station or cable product experiencing problems, tune to another station. Station signal is weak, reorient antenna to receive weaker station. Check for sources of possible interference. 	
Lines or streaks in pictures	Check antenna (Change the direction of the antenna).	

The audio function does not work.		
 Press the VOL or VOLUME button. Sound muted? Press MUTE button. Try another channel. The problem may be with the broadcast. Are the audio cables installed properly? 		
No output from one of the speakers	e Adjust Balance in menu option.	
Unusual sound from inside the product inside the product		

There is a problem in PC mode. (Only PC mode applied)		
The signal is out of range.	 al = Work the Auto configure or adjust clock, phase, or H/V position. (Option) 	
Vertical bar or stripe on back- ground & Horizontal Noise & Incorrect position		
Screen color is unstable or single color	Check the signal cable.Reinstall the PC video card.	

APPENDIX

2

MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have your new TV. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Please be sure not to use a wet cloth.

Extended Absence

A CAUTION

If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

PRODUCT SPECIFICATIONS

MODELS		32PC5RV (32PC5RV-MF/32PC5RV-UB)
Dimensions (Width x Height x Depth)	including stand	32.3 x 23.6 x 9.6 inches 819.9 x 599.8 x 243.4 mm
	excluding stand	32.3 x 21.8 x 3.7 inches 819.9 x 554.2 x 78.1 mm
Weight	including stand excluding stand	36.8 pounds / 16.7 kg 34.8 pounds / 15.8 kg
Power requirement Television System Program Coverage External Antenna Impedance		AC100-240V -50/60Hz NTSC, PAL-M/N VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 125 75 ohm
Environment condition	Operating Temperature Operating Humidity	32 ~ 104°F (0 ~ 40°C) Less than 80%
	Storage Temperature Storage Humidity	-4 ~ 140°F (-20 ~ 60°C) Less than 85%

The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX