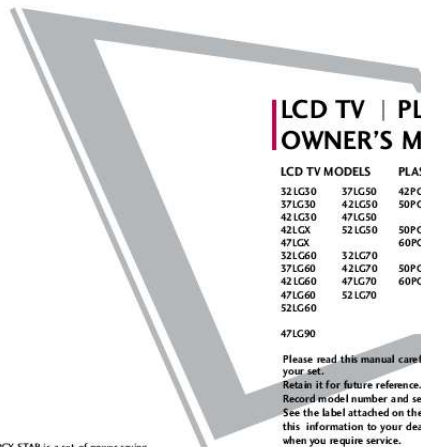




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for LG 32LG30-UD. You'll find the answers to all your questions on the LG 32LG30-UD in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LG 32LG30-UD  
User guide LG 32LG30-UD  
Operating instructions LG 32LG30-UD  
Instructions for use LG 32LG30-UD  
Instruction manual LG 32LG30-UD



## LCD TV | PLASMA TV OWNER'S MANUAL

### LCD TV MODELS PLASMA TV MODELS

32LG30	37LG50	42PG25
37LG30	42LG50	50PG25
42LG30	47LG50	
42LGX	52LG50	50PG60
47LGX		60PG60
32LG60	32LG70	
37LG60	42LG70	50PG70
42LG60	47LG70	60PG70
47LG60	52LG70	
52LG60		

47LG90

Please read this manual carefully 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.

ENERGY STAR is a set of power-saving guidelines issued by the U.S. Environmental Protection Agency (EPA).



As an ENERGY STAR Partner, LG Electronics USA, Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

P/NO : SAC30708020 (0809-REV08)

[www.lgusa.com](http://www.lgusa.com) / [www.lg.ca](http://www.lg.ca)



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**Manual abstract:**

Record model number and serial number of the set. @@@@TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL. 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. @@- Increase the separation between the equipment and receiver. @@- Consult the dealer or an experienced radio/TV technician for help.

@@@Unauthorized modification could void the user's authority to operate this product A SAFETY INSTRUCTIONS IMPORTANT SAFETY INSTRUCTIONS Read these instructions. Keep these instructions. Heed all warnings. Follow all 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.

1 Do not use this apparatus near water. 7 2 Clean only with dry cloth. Only use attachments/accessories specified by the manufacturer. 8 3 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

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. 4 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. 9 Unplug this apparatus during lightning storms or when unused for long periods of time. 5 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 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 been exposed to rain or moisture, does not operate normally, or has been dropped.

1 SAFETY INSTRUCTIONS 1 1 12 13 Never touch this apparatus or antenna during a thunder or lightning storm. When mounting a TV on the wall, make sure not to install the TV by the hanging power and signal cables on the back of the TV. Do not allow an impact shock or any objects to fall into the product, and do not drop onto the screen with something. CAUTION concerning the Power Cord: It is recommend that appliances 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 connect too many appliances to the same AC power outlet as this could result in fire or electric shock. 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. Do not make the TV with the power cord plugged in. Do not use a damaged or loose power cord. Be sure do grasp the plug when unplugging the power cord.

Do not pull on the power cord to unplug the TV. 15 WARNING - To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the TV with wet hands. Do not install this product near flammable objects such as gasoline or candles or expose the TV to direct air conditioning. 14 16 Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc.

on or over the apparatus (e.g. on shelves above the unit). 17 GROUNDING Ensure that you connect the earth ground wire to prevent possible electric shock (i.e. a TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet). 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. Power Supply Short-circuit Breaker 18 DISCONNECTING DEVICE FROM MAINS Mains plug is the disconnecting device. The plug must remain readily operable.

Keep the product away from direct sunlight. 19 2 20 ANTENNAS Outdoor antenna grounding If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur. Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC) in the U.S.A. provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode. Antenna grounding according to the National Electrical Code, ANSI/NFPA 70 22 Moving Make sure the product is turned off, unplugged and all cables have been removed. It may take 2 or more people to carry larger TVs.

Do not press against or put stress on the front panel of the TV. Ventilation Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase. Do not cover the product with cloth or other materials (e.g.

) plastic while plugged in. Do not install in excessively dusty places. If you smell smoke or other odors coming from the TV or hear strange sounds, unplug the power cord contact an authorized service center. Do not press strongly upon the panel with hand or sharp object such as nail, pencil or pen, or make a scratch on it.



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23 24 25 Ground Clamp Antenna Lead in Wire Antenna Discharge Unit (NEC Section 810-20) Grounding Conductor (NEC Section 810-21) Ground Clamps  
Power Service Grounding Electrode System (NEC Art 250, Part H) Electric Service Equipment NEC: National Electrical Code 21 Cleaning When cleaning,  
unplug the power cord and scrub gently with a soft cloth to prevent scratching.

Do not spray water or other liquids directly on the TV as electric shock may occur. Do not clean with chemicals such as alcohol, thinners or benzene. 3

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14) 7 PREPARATION FRONT PANEL INFORMATION I I Image shown may differ from your TV. NOTE: If your TV has a protection tape attached, remove  
the tape. And then wipe the TV with a cloth (If a polishing cloth is included with your TV, use it). INPUT PREPARATION Plasma TV Models Remote Control  
Sensor POWER Button Power/Standby Indicator Illuminates red in standby mode. Illuminates blue when the TV is switched on. INPUT INPUT MENU MENU  
ENTER ENTER VOL CH VOL CH MENU ENTER INPUT Button MENU Button VOL ENTER Button CH VOLUME (-, +) Buttons CHANNEL ED  
(E,D)Buttons LCD TV Models 32/42/47/52LG70, 47LG90 CH CHANNEL ( Buttons , ) Intelligent Sensor Adjusts picture according to the surrounding  
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32/37/42LG30) Adjusts picture according to the surrounding conditions Power/Standby Indicator Illuminates red in standby mode.

Illuminates blue when the set is switched on. (Can be adjusted using P o w e r I n d i c a t o r in the OPTION menu. G p.85) Remote Control Sensor POWER  
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CONTROL IN 6 ANTENNA/ CABLE IN DIGITAL AUDIO OUT OPTICAL COAXIAL HDMI IN 4 USB IN 10 1 COMPONENT IN 2 RS-232C IN (CONTROL  
& SERVICE) AUDIO OUT VIDEO L/MONO AUDIO R 7 8 AV IN 1 9 S-VIDEO AUDIO 1 1 VIDEO AUDIO 9 VIDEO (MONO) AV IN 2 ( ) 2 1 HDMI/DVI  
IN, HDMI IN Digital Connection.

Supports HD video and Digital audio. Doesn't support 480i. Accepts DVI video using an adapter or HDMI to DVI cable (not included). COMPONENT IN  
Analog Connection. Supports HD.  
Uses a red, green, and blue cable for video & red and white for audio. RGB (PC) Analog PC Connection. Uses a D-sub 15 pin cable (VGA cable). AUDIO  
(RGB/DVI) 1/8" headphone jack for analog PC audio input. REMOTE CONTROL IN PORT For a wired remote control.  
RS-232C IN (CONTROL & SERVICE) PORT Used by third party devices. ANTENNA/CABLE IN Connect over-the air signals to this jack. Connect cable  
signals to this jack. 7 DIGITAL AUDIO OUT Digital audio output for use with amps and home theater systems. Includes an optical and/or coaxial  
connection. Note: In standby mode, these ports do not work. AUDIO OUT Analog audio output for use with amps and home theater systems.



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AV (Audio/Video) IN ( Analog composite connection. ) Supports standard definition video only (480i). S-VIDEO Better quality than standard composition.

Supports standard definition video only (480i). USB INPUT Used for viewing photos and listening to MP3s. USB SERVICE ONLY or RS-232C IN (SERVICE ONLY) Used for software updates. Power Cord Socket For operation with AC power. Caution: Never attempt to operate the TV on DC power. 8 2 9 3 10 4 1 1 5 12 6 10 R LCD TV Models PREPARATION 12 32/37/42LG30 USB SERVICE ONLY R 5 3 4 RGB IN DIGITAL AUDIO OUT OPTICAL ANTENNA/ CABLE IN 6 1 1 HDMI IN 3 1 HDMI/DVI IN 2 1 RGB(PC) AUDIO (RGB/DVI) REMOTE CONTROL IN 7 1 RS-232C IN (CONTROL & SERVICE) AUDIO OUT 8 2 ( ) VIDEO L/MONO AUDIO R R 9 1 VIDEO AUDIO AV IN 1 9 COMPONENT IN S-VIDEO VIDEO (MONO) AUDIO 2 AV IN 2 37/42/47/52LG50, 32LG70 5 3 4 RGB IN DIGITAL AUDIO OUT AUDIO (RGB/DVI) REMOTE CONTROL IN OPTICAL COAXIAL ANTENNA/ CABLE IN 6 HDMI IN 3 USB IN 10 1 HDMI/DVI IN 2 RGB(PC) 7 1 RS-232C IN (CONTROL & SERVICE) AUDIO OUT 8 ( ) 2 AV IN 1 VIDEO L/MONO AUDIO R 9 1 1 VIDEO AUDIO 9 S-VIDEO VIDEO (MONO) COMPONENT IN AUDIO AV IN 2 2 11 PREPARATION I Image shown may differ from your TV. LCD TV Models R 12 42/47/52LG70, 47LG90 1 HDMI/DVI IN 3 4 RGB IN RGB(PC) AUDIO (RGB/DVI) REMOTE CONTROL IN ANTENNA/ CABLE IN DIGITAL AUDIO OUT OPTICAL COAXIAL 6 7 HDMI IN 4 USB IN 5 R 3 2 RS-232C IN (CONTROL & SERVICE) AUDIO OUT 8 2 VIDEO L/MONO AUDIO R 1 VIDEO 1 AUDIO AV IN 1 COMPONENT IN S-VIDEO VIDEO (MONO) AUDIO R 12 32/37/42/47/52LG60, 42/47LGX 1 2 HDMI/DVI IN R VIDEO COMPONENT IN 1 USB IN DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) RGB IN HDMI IN 4 1 1 VIDEO L/MONO AUDIO R 12 PREPARATION 10 1 9 ( ) 9 2 AV IN 2 10 ( ) 2 1 2 3 1 3 OPTICAL RGB(PC) 9 ANTENNA/ CABLE IN RS-232C IN (SERVICE ONLY) 7 6 REMOTE CONTROL IN AV IN 4 STAND INSTRUCTION I Image shown may differ from your TV. Plasma TV models PREPARATION INSTALLATION (Only 42PG25) 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. DETACHMENT 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. 2 2 Assemble the TV as shown.

Loose the bolts from TV. 42PG25 50PG25/60/70 60PG60/70 3 Fix the 4 bolts securely using the holes in the back of the TV. 3 Detach the stand from TV. PROTECTION COVER ! NOTE G When assembling the desk type stand, make sure the bolt is fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten.

After removing the stand, install the included protection cover over the hole for the stand. Press the PROTECTION COVER into the TV until you hear it click. 13 PREPARATION 32/37/42/47/52LG60, 42/47LGX I Image shown may differ from your TV. INSTALLATION (Only 32/37/42LG60, 42LGX) 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. 14 PREPARATION 2 Assemble the parts of the STAND BODY with COVER BASE of the TV.

37LG60 42LG60, 42LGX 32LG60 STAND BODY STAND BODY STAND BODY COVER BASE COVER BASE COVER BASE 3 Assemble the TV as shown. 4 Fix the 4 bolts securely using the holes in the back of the TV. ! NOTE G When assembling the desk type stand, make sure the bolt is fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten. DETACHMENT 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. PROTECTION COVER After removing the stand, install the included protection cover over the hole for the stand. PREPARATION 2 Loose the bolts from TV. 3 Detach the stand from TV. After removing the protection paper from the protection cover, adhere it to the TV as shown. 15 PREPARATION 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 I Image shown may differ from your TV.

INSTALLATION (Only 32/37/42LG30, 37/42LG50, 32/42LG70) 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. DETACHMENT 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. 16 PREPARATION 2 Assemble the parts of the STAND BODY with COVER BASE of the TV. 2 Loose the bolts from TV. STAND BODY COVER BASE 3 Detach the stand from TV. 3 Assemble the TV as shown. PROTECTION COVER 4 Fix the 4 bolts securely using the holes in the back of the TV. After removing the stand, install the included protection cover over the hole for the stand. Press the PROTECTION COVER into the TV until you hear it click. ! NOTE G When assembling the desk type stand, make sure the bolt is fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten. VESA WALL MOUNTING Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury. We recommend that you use an LG brand wall mount when mounting the TV to a wall.

LG recommends that wall mounting be performed by a qualified professional installer. A B PREPARATION Product Model 32LG30, 32LG60, 32LG70 37LG30, 37LG60, 37LG50 42LG30, 42LG50, 42LG60, 42LG70, 42LGX 47LG50, 47LG60, 47LG70, 47LG90, 47LGX 52LG50, 52LG60, 52LG70 42PG25 50PG25, 50PG60, 50PG70 60PG60, 60PG70 VESA (A \* B) 200 \* 100 200 \* 200 800 \* 400 400 \* 400 600 \* 400 Standard Screw M4 M6 M6 M6 M8 Quantity 4 4 4 4 4 LCD TV PLASMA TV ! NOTE G G G G Screw length needed depends on the wall mount used. For further information, refer to the instructions included with the mount. Standard dimensions for wall mount kits are shown in the table. When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.

Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV. For wall mounts that do not comply with the VESA G G standard screw specifications, the length of the screws may differ depending on their specifications. Do not use screws that do not comply with the VESA standard screw specifications. Do not use fasten the screws too strongly, this may damage the TV or cause the TV to a fall, leading to personal injury.



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LG is not liable for these kinds of accidents. LG is not liable for TV damage or personal injury when a non-VESA or non specified wall mount is used or the consumer fails to follow the TV installation instructions. CAUTION G Do not install your wall mount kit while your TV is turned on. It may result in personal injury due to electric shock. 17 PREPARATION CABLE MANAGEMENT I Image shown may differ from your TV. Plasma TV Models 18 PREPARATION I Connect the cables as necessary.

To connect additional equipment, see the EXTERNAL EQUIPMENT SETUP section. 2 Install the CABLE MANAGEMENT CLIP as shown. If your TV has the CABLE HOLDER, install it as shown and bundle the cables. CABLE HOLDER CABLE MANAGEMENT CLIP How to remove the CABLE MANAGEMENT CLIP 42PG25 G 50PG25, 50/60PG60, 50/60PG70 G First, press the cable management. Hold the C A B L E M A N A G E M E N T C L I P with both hands and pull it upward. Hold the CABLE MANAGEMENT CLIP with both hands and pull it upward. G Separate C A B L E M A N A G E M E N T C L I P from TV by pressing two latches. ! NOTE G Do not hold the CABLE MANAGEMENT CLIP when moving the TV. - If the TV is dropped, you may be injured or the product may be broken. LCD TV Models 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 32/37/42/47/52LG60, 42/47LGX PREPARATION I Connect the cables as necessary.

To connect additional equipment, see the EXTERNAL EQUIPMENT SETUP section. 1 Align the hole with the tab on the C A B L E M A N A G E M E N T C L I P. Turn the C A B L E M A N A G E M E N T C L I P as shown. Note: This cable management clip can be broken by excessive pressure. 2 Install the CABLE MANAGEMENT CLIP as shown.

CABLE MANAGEMENT CLIP 2 3 Put the cables inside the CABLE MANAGEMENT CLIP and snap it closed. Connect the cables as necessary. To connect additional equipment, see the EXTERNAL EQUIPMENT SETUP section. 19 PREPARATION DESKTOP PEDESTAL INSTALLATION I Image shown may differ from your TV. For proper ventilation, allow a clearance of 4 inches on all four sides from the wall.

20 PREPARATION G 4 inches 4 inches 4 inches 4 inches CAUTION G G Ensure adequate ventilation by following the clearance recommendations. Do not mount near or above any type of heat source. SWIVEL STAND After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position. ATTACHING THE TV TO A DESK (Only 32LG30/70, 37LG30/50, 42LG30/50) The TV must be attached to a desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the product. Stand 1-Screw (provided as parts of the product) Desk WARNING To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury. SECURING THE TV TO THE WALL TO PREVENT FALLING WHEN THE TV IS USED ON A STAND I I You should purchase necessary components to prevent TV from falling off of the stand. Image shown may differ from your TV. We recommend that you set up the TV close to a wall so it cannot fall over if pushed backwards. Additionally, we recommend that the TV be attached to a wall so it cannot be pulled in a forward direction, potentially causing injury or damaging the product.

Caution: Please make sure that children don't climb on or hang from the TV. PREPARATION I Insert the eye-bolts (or TV brackets and bolts) to tighten the product to the wall as shown in the picture. \* If your product has the bolts in the eye-bolts position before inserting the eye-bolts, loosen the bolts. \* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes. Secure the wall brackets with the bolts (sold separately) to the wall. Match the height of the bracket that is mounted on the wall to the holes in the product. Ensure the eye-bolts or brackets are tightened securely. I Use a sturdy rope (sold separately) to tie the product. It is safer to tie the rope so it becomes horizontal between the wall and the product. ! NOTE G G Use a platform or cabinet strong enough and large enough to support the size and weight of the TV.

To use the TV safely make sure that the height of the bracket on the wall and the one on the TV are the same. 21 PREPARATION I To prevent damage do not connect to the power outlet until all connections are made between the devices. ANTENNA OR CABLE CONNECTION 1. Antenna (Analog or Digital) Wall Antenna Socket or Outdoor Antenna without a Cable Box Connection. For optimum picture quality, adjust the antenna direction if needed.

R ANTENNA/ CABLE IN Single-family Dwellings /Houses (Connect to wall jack for outdoor antenna) Copper Wire Be careful not to bend the copper wire when connecting the antenna. ( ) 2. Cable Cable TV Wall Jack RF Coaxial Wire (75 ohm) ANTENNA/ CABLE IN ( ) 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. I If the antenna is not installed properly, contact your dealer for assistance.

I I 22 R PREPARATION Wall Antenna Socket Multi-family Dwellings/Apartments (Connect to wall antenna socket) Outdoor Antenna (VHF, UHF) RF Coaxial Wire (75 ohm) EXTERNAL EQUIPMENT SETUP I I To prevent the equipment damage, never plug in any power cords until you have finished connecting all equipment. Image shown may differ from your TV. HD RECEIVER SETUP This TV can receive digital over-the-air/digital cable signals without an external digital set-top box. However, if you do receive digital signals from a digital set-top box or other digital external device. Component Connection 1. How to connect 1 Connect the video outputs (Y, PB, PR) of the digital settop box to the C O M P O N E N T I N V I D E O I jacks on the TV. Match the jack colors (Y = green, PB = blue, and PR = red). Connect the audio output of the digital set-top box to the C O M P O N E N T I N A U D I O I jacks on the TV. EXTERNAL EQUIPMENT SETUP 2 2. How to use I I I Turn on the digital set-top box.

(Refer to the owner's manual for the digital set-top box. operation) Select the C o m p o n e n t 1 input source on the TV using the I N P U T button on the remote control. If connected to C O M P O N E N T I N 2 input, select the C o m p o n e n t 2 input source on the TV. Supported Resolutions Signal 480i 480p 720p 1080i 1080p Component Yes Yes Yes Yes Yes HDMI No Yes Yes Yes Yes Y, CB/PB, CR/PR Resolution 720x480i 720x480p 1280x720p 1920x1080i

Horizontal Frequency(KHz) 15.73 15.73 31.47 31.50 44.96 45.00 33.

72 33.75 26.97 27.00 33.71 33.

75 67 .432 67 .50 Vertical Frequency(Hz) 59.94 60.00 59.

94 60.00 59.94 60.00 59.94 60.00 23.976 24.00 29.97 30.00 59.

94 60.00 1920x1080p 23 EXTERNAL EQUIPMENT SETUP Plasma TV, 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 Y PB PR L R I 2 COMPONENT IN VIDEO HDMI/DVI IN DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) RGB IN 24 EXTERNAL EQUIPMENT SETUP RS-232C IN (SERVICE ONLY) REMOTE CONTROL IN 1 2 RGB IN RGB(PC) AUDIO (RGB/DVI) REMOTE CONTROL IN DIGI OPT RS-232 (CONTROL & 2 Y PB PR L R I VIDEO AUDIO COMPONENT IN S-VIDEO 32/37/42/47/52LG60, 42/47LGX 1 2 3 1 2 OPTICAL RGB(PC) ANTENNA/ CABLE IN L R Y PB PR HDMI Connection 1.



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How to connect EXTERNAL EQUIPMENT SETUP 1 2 Connect the digital set-top box to H D M I / D V I I N 1, 2, 3, or 4 jack on the TV. No separate audio connection is necessary. HDMI supports both audio and video. 2. How to use Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.) I Select the H D M I 1, H D M I 2, H D M I 3, or H D M I 4 input source on the TV using the INPUT button on the remote control. I HDMI-DTV Resolution 720x480p 1280x720p 1920x1080i Horizontal Frequency(KHz) 31.

47 31.50 44.96 45.00 33.72 33.

75 26.97 27 .00 33.71 33.75 67 .

432 67 .50 Vertical Frequency(Hz) 59.94 60.00 59.94 60.00 59.94 60.00 23.976 24.00 29.

97 30.00 59.939 60.00 1920x1080p 25 EXTERNAL EQUIPMENT SETUP 32/37/42LG30, 37/42/47/52LG50, 32LG70 RGB IN RGB(PC) A (RG Plasma TV, 42/47/52LG70, 47LG90 HDMI/DVI IN 3 RGB IN RGB(PC) HDMI/DVI IN 2 1 2 COMPONENT IN VIDEO 1 2 3 DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) 1 OPTICAL RGB(PC) ANTENNA/ CABLE IN RS-232C IN (SERVICE ONLY) HDMI-DTV OUTPUT REMOTE CONTROL IN 26 RGB IN HDMI/DVI IN EXTERNAL EQUIPMENT SETUP 2 2 Y PB PR Y VIDEO PB PR 1 1 COMPONENT VIDEO COMPON 1 1 HDMI-DTV OUTPUT HDMI-DTV OUTPUT 32/37/42/47/52LG60, 42/47LGX DVI to HDMI Connection 1. How to connect EXTERNAL EQUIPMENT SETUP 1 32/37/42LG30, 37/42/47/52LG50, 32LG70, Plasma TV - Connect the DVI output of the digital set-top box to the H D M I / D V I I N 1, 2, or 3 jack on the TV. 32/37/42/47/52LG60, 42/47/52LG70, 42/47LGX, 47LG90 - Connect the DVI output of the digital set-top box to the H D M I / D V I I N 1, 2, 3, or 4 jack on the TV. Connect the PC audio output to the A U D I O ( R G B / D V I ) jack on the TV. 2 2. How to use Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.

) I 32/37/42LG30, 37/42/47/52LG50, 32LG70, Plasma TV - Select the HDMI1, HDMI2, or HDMI3 input source on the TV using the I N P U T button on the remote control. I 32/37/42/47/52LG60, 42/47/52LG70, 42/47LGX, 47LG90 - Select the HDMI1, HDMI2, HDMI3, or HDMI4 input source on the TV using the I N P U T button on the remote control. I ! NOTE G A DVI to HDMI cable or adapter is required for this connection. DVI doesn't support audio, so a separate audio connection is necessary. 27 EXTERNAL EQUIPMENT SETUP 32/37/42LG30, 37/42/47/52LG50, 32LG70 RGB IN RGB(PC) AUDIO (RGB/DVI) REMO CONTRO Plasma TV, 42/47/52LG70, 47LG90 HDMI/DVI IN 3 RGB IN RGB(PC) AUDIO (RGB/DVI) REMOT CONTROL HDMI/DVI IN 2 2 Y PB PR L R ( 2 Y PB PR 2 L R 1 2 COMPONENT IN VIDEO 1 1 2 3 DIGITAL AUDIO OUT AUDIO (RGB/DVI) 2 AUDIO COAXIAL OPTICAL RGB(PC) ANTENNA/ CABLE IN RS-232C IN (SERVICE ONLY) REMOTE CONTROL IN DVI-DTV OUTPUT L R 28 RGB IN HDMI/DVI IN EXTERNAL EQUIPMENT SETUP 1 VIDEO AUDIO VIDEO 1 AUDIO COMPONENT IN AV IN 1 1 1 COMPONENT IN ( ) 1 2 1 2 DVI-DTV OUTPUT DVI-DTV OUTPUT L R L R 32/37/42/47/52LG60, 42/47LGX DVD SETUP Component Connection 1.

How to connect EXTERNAL EQUIPMENT SETUP 1 Connect the video outputs (Y, PB, PR) of the DVD to the C O M P O N E N T I N V I D E O 1 jacks on the TV. Match the jack colors (Y = green, PB = blue, and PR = red). 2 Connect the audio outputs of the DVD to the C O M P O N E N T I N A U D I O 1 jacks on the TV. 2. How to use I I I I Turn on the DVD player, insert a DVD.

Select the C o m p o n e n t 1 input source on the TV using the I N P U T button on the remote control. If connected to C O M P O N E N T I N 2 input, select the C o m p o n e n t 2 input source on the TV. 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 PB PB B-Y Cb Pb PR PR R-Y Cr Pr Y Video output ports on DVD player Y Y Y 29 EXTERNAL EQUIPMENT SETUP Plasma TV, 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 Y PB PR L R 1 2 COMPONENT IN VIDEO HDMI/DVI IN DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) RGB IN 30 EXTERNAL EQUIPMENT SETUP RS-232C IN (SERVICE ONLY) REMOTE CONTROL IN 1 2 RGB IN RGB(PC) AUDIO (RGB/DVI) REMOT CONTROL ( 2 Y PB PR L R 1 VIDEO AUDIO COMPONENT IN 32/37/42/47/52LG60, 42/47LGX 1 2 3 1 2 OPTICAL RGB(PC) ANTENNA/ CABLE IN L R Y PB PR S-Video Connection (Except 32/37/42/47/52LG60, 42/47LGX) 1. How to connect AUDIO S-VIDEO L R EXTERNAL EQUIPMENT SETUP 1 2 Connect the S-VIDEO output of the DVD to the S - V I D E O input on the TV. Connect the audio outputs of the DVD to the A U D I O input jacks on the TV. ANTENNA/ CABLE IN 1 2 COAXIAL 2. How to use I I DIGITAL AUDIO OUT UDIO B/DVI) REMOTE CONTROL IN OPTICAL I Turn on the DVD player, insert a DVD. Select the A V I input source on the TV using the I N P U T button on the remote control.

Refer to the DVD player's manual for operating instructions. RS-232C IN (CONTROL & SERVICE) AUDIO OUT L R AUDIO N S-VIDEO VIDEO L (MONO) AUDIO R AV IN 1 31 EXTERNAL EQUIPMENT SETUP HDMI Connection 1. How to connect EXTERNAL EQUIPMENT SETUP 32/37/42LG30, 37/42/47/52LG50, 32LG70 RGB(PC) HDMI/DVI IN 2 AUDIO (RGB/D 1 2 Connect the HDMI output of the DVD to the H D M I / D V I I N 1, 2, 3 or 4 jack on the TV. No separate audio connection is necessary. HDMI supports both audio and video. 2 Y PB PR L 1 1 VIDEO A COMPONENT IN 2. How to use I I Select the HDMI1, H D M I 2, HDMI3, or HDMI4 input source on the TV using the I N P U T button on the remote control. Refer to the DVD player's manual for operating instructions. 1 HDMI-DVD OUTPUT Plasma TV, 42/47/52LG70, 47LG90 HDMI/DVI IN 3 32/37/42/47/52LG60, 42/47LGX 1 2 HDMI/DVI IN RGB IN RGB IN RGB(PC) VIDEO (R COMPONENT IN 1 2 3 2 Y PB PR 2 DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) 1 VIDEO 1 COMPONENT ( ) OPTICAL RGB(PC) ANTENNA/ CABLE IN RS-232C IN (SERVICE ONLY) 1 1 REMOTE CONTROL IN HDMI-DVD OUTPUT HDMI-DVD OUTPUT 32 VCR SETUP To avoid picture noise (interference), leave an adequate distance between the VCR and TV. 1 Use the ISM feature in the Option menu to avoid having a fixed image remain on the screen for a long period of time (Plasma TV models only).

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 TVs and is not covered by warranty. I Antenna Connection 1. How to connect 1 Connect the RF antenna out socket of the VCR to the A N T E N N A / C A B L E I N socket on the TV.



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

EXTERNAL EQUIPMENT SETUP Plasma TV, 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 ANTENNA/ CABLE IN UDIO OUT COAXIAL 1 ANT OUT S-VIDEO VIDEO L R 2 E) AUDIO OUT ANT IN OUTPUT SWITCH 1 I 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.) EO L (MONO) AUDIO R AV IN 1 2. How to use 2 Wall Jack Antenna 32/37/42/47/52LG60, 42/47LGX COMP AUDIO COAX OPTIC 1 S-VIDEO VIDEO L R ANT OUT ANTENNA/ CABLE IN RS-232C IN (SERVICE ONLY) OUTPUT SWITCH ANT IN Wall Jack REMOTE CONTROL IN 2 Antenna 33 EXTERNAL EQUIPMENT SETUP Composite (RCA) Connection 1.

How to connect 1 V Connect the A U D I O / V I D E O jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red) Plasma TV, 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 ANT IN S-VIDEO VIDEO L R AUDIO NT IN S-VIDEO VIDEO L (MONO) AUDIO R 32/37/42/47/52LG60, 42/47LGX 1 AV IN ANT IN S-VIDEO VIDEO L R ANT OUT OUTPUT SWITCH 34 VIDEO L/MONO AUDIO R HDMI IN 4 USB IN AV IN 1 EXTERNAL EQUIPMENT SETUP ANT OUT OUTPUT SWITCH 2. How to use Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.) I Select the A V 1 input source on the TV using the I N P U T button on the remote control. I If connected to A V I N 2, select A V 2 input source on the TV. I 1 ANTENNA/ CABLE IN DIGITAL AUDIO OUT AUDIO (RGB/DVI) REMOTE CONTROL IN OPTICAL COAXIAL RS-232C IN (CONTROL & SERVICE) AUDIO OUT ! NOTE G If you have a mono VCR, connect the audio cable from the VCR to the A U D I O L / M O N O jack of the TV. L R S-Video Connection (Except 32/37/42/47/52LG60, 42/47LGX) 1. How to connect EXTERNAL EQUIPMENT SETUP 1 2 Connect the S-VIDEO output of the VCR to the S - V I D E O input on the TV. Connect the audio outputs of the VCR to the A U D I O input jacks on the TV.

ANT IN S-VIDEO VIDEO L R ANT OUT OUTPUT SWITCH 2. How to use I I ANTENNA/ CABLE IN 1 DIGITAL AUDIO OUT 2 Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.) Select the A V 1 input source on the TV using the I N P U T button on the remote control. AUDIO (RGB/DVI) REMOTE CONTROL IN OPTICAL COAXIAL RS-232C IN (CONTROL & SERVICE) AUDIO OUT L R ! NOTE G AUDIO S-Video provides better quality than composite. Use it when available. NT IN S-VIDEO VIDEO L (MONO) AUDIO R CAUTION G Do not connect to both Video and S-Video at the same time. In the event that you connect both Video and the S-Video cables, only the S-Video will work. AV IN 1 35 EXTERNAL EQUIPMENT SETUP OTHER A/V SOURCE SETUP Camcorder 1. How to connect 1 V Connect the A U D I O / V I D E O jacks between TV and external equipment.

Match the jack colors. (Video = yellow, Audio Left = white, and Audio Right = red) USB IN Video Game Set I I 36 VIDEO L/MONO AUDIO R EXTERNAL EQUIPMENT SETUP VIDEO L R 2. How to use I Select the A V 2 input source on the TV using the I N P U T button on the remote control. If connected to A V I N 1 input, select the A V 1 input source on the TV. Operate the corresponding external equipment.

HDMI IN 3 1 PC SETUP This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings. VGA (D-Sub 15 pin) Connection Plasma TV, 32/37/42LG30, 37/42/47/52LG50, 32/42/47/52LG70, 47LG90 RGB IN RGB(PC) AUDIO (RGB/DVI) REMOTE CONTROL IN 32/37/42/47/52LG60, 42/47LGX COMPONENT IN VIDEO EXTERNAL EQUIPMENT SETUP 1 2 3 DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) N (CO 2 Y PB PR L R OPTICAL RGB(PC) 1 VIDEO AUDIO COMPONENT IN 1 ANTENNA/ CABLE IN RS-232C IN (SERVICE ONLY) 2 1 2 REMOTE CONTROL IN RGB OUTPUT AUDIO RGB OUTPUT AUDIO 1. How to connect 1 2 Connect the VGA output of the PC to the R G B ( P C ) jack on the TV. Connect the PC audio output to the A U D I O ( R G B / D V I ) jack on the TV. 2.

How to use I I Turn on the PC and the TV. Select the R G B - P C input source on the TV using the I N P U T button on the remote control. RGB IN HDMI/D 37 EXTERNAL EQUIPMENT SETUP DVI to HDMI Connection 1. How to connect 1 32/37/42LG30, 37/42/47/52LG50, 32LG70, Plasma TV - Connect the DVI output of the PC to the H D M I / D V I I N 1, 2, 3, or 4 jack on the TV. 32/37/42/47/52LG60, 42/47/52LG70, 42/47LGX, 47LG90 - Connect the DVI output of the PC to the H D M I / D V I I N 1, 2, 3, or 4 jack on the TV. Connect the PC audio output to the A U D I O ( R G B / D V I ) jack on the TV. 38 EXTERNAL EQUIPMENT SETUP 2 2. How to use I I I Turn on the PC and the TV. 32/37/42LG30, 37/42/47/52LG50, 32LG70, Plasma TV - Select the HDMI1, HDMI2, or HDMI3 input source on the TV using the I N P U T button on the remote control. 32/37/42/47/52LG60, 42/47/52LG70, 42/47LGX, 47LG90 - Select the HDMI1, HDMI2, HDMI3, or HDMI4 input source on the TV using the I N P U T button on the remote control.

! NOTES G 32/37/42LG30, 42/50PG25: To get the the best picture quality, adjust the PC graphics card to 1360x768. 37/42/47/52LG50, 32/37/42/47/52LG60, 32/42/47/52LG70, 42/47LGX, 47LG90, 50/60PG60, 50/60PG70: To get the the best picture quality, adjust the PC graphics card to 1920x1080. Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use. In PC mode, there may be noise associated with G the resolution, vertical pattern, contrast or brightness. 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 PICTURE menu until the picture is clear. G Avoid keeping a fixed image on the screen for a long period of time. The fixed image could become permanently imprinted on the screen. The synchronization input form for Horizontal and Vertical frequencies is separate. G G 32/37/42LG30, 37/42/47/52LG50, 32LG70 RGB IN RGB(PC) AUDIO (RGB/DVI) REMO CONTRO Plasma TV, 42/47/52LG70, 47LG90 RGB IN RGB(PC) 3 HDMI/DVI IN AUDIO (RGB/DVI) REMOTE CONTROL IN HDMI/DVI IN 2 2 Y PB PR L R (CO EXTERNAL EQUIPMENT SETUP 2 Y VIDEO AUDIO PB PR 2 L R 1 VIDEO 1 AUDIO COMPONENT IN AV IN 1 1 1 COMPONENT IN ( ) 1 2 1 2 DVI-PC OUTPUT AUDIO DVI-PC OUTPUT AUDIO 32/37/42/47/52LG60, 42/47LGX 1 2 HDMI/DVI IN RGB IN COMPONENT IN VIDEO 1 2 3 DIGITAL AUDIO OUT AUDIO COAXIAL AUDIO (RGB/DVI) 1 OPTICAL RGB(PC) ANTENNA/ CABLE IN RS-232C IN 2 (SERVICE ONLY) REMOTE CONTROL IN DVI-PC OUTPUT AUDIO 39 EXTERNAL EQUIPMENT SETUP Supported Display Specifications (RGB-PC, HDMI-PC) ! NOTE G Depending on the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.



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If there are overscan in HDMI-PC 1920x1080, change aspect ratio to **J u s t s c a n**.  
40 EXTERNAL EQUIPMENT SETUP G For 32/37/42LG30 Horizontal Frequency(KHz) 31.469 31.469 31.469 37 .879 48.  
363 47 .776 47 .720 47 .130 Vertical Frequency(Hz) 70.08 70.

08 59.94 60.31 60.00 59.87 59.799 59.65 \* Only RGB-PC mode For 37/42/47/52LG50, 32/37/42/47/52LG60, 32/42/47/52LG70, 42/47LGX, 47LG90  
Resolution 640x350 720x400 Horizontal Frequency(KHz) 31.468 31.469 31.469 37 .

500 37 .861 35.156 37 .879 46.875 48.077 48.363 56.476 60.023 47 .776 60.  
289 63.981 79.976 47 .712 75.00 66.

587 67 .5 Vertical Frequency(Hz) 70.09 70.08 59.94 75.  
00 72.80 56.25 60.31 75.00 72.18 60.00 70.06 75.02 59.87 74.

893 60.02 75.025 60.015 60.00 59.934 60.00 \* Only RGB-PC mode Resolution 640x350 720x400 640x480 800x600 1024x768 1280x768 1360x768 1366x768  
640x480 800x600 1024x768 1280x768 1280x1024 1360x768 1600x1200 1920x1080 RGB-PC 1920x1080 HDMI-PC EXTERNAL EQUIPMENT SETUP For  
42/50PG25, 50/60PG60, 50/60PG70 Resolution 640x350 720x400 Horizontal Frequency(KHz) 31.468 31.469 31.469 37 .

500 37 .861 35.156 37 .879 46.875 48.  
077 48.363 56.476 60.023 47 .776 60.

289 63.981 79.976 47 .712 75.00 66.587 Vertical Frequency(Hz) 70.09 70.08 59.94 75.00 72.

80 56.25 60.31 75.00 72.18 60.00 70.06 75.02 59.87 74.893 60.

02 75.025 60.015 60.00 59.934 640x480 800x600 1024x768 1280x768 1280x1024 1360x768 1600x1200 1920x1080 \* Only RGB-PC mode 41 EXTERNAL  
EQUIPMENT SETUP Screen Setup for PC mode Selecting Resolution You can choose the resolution in RGB-PC mode.

The **P o s i t i o n**, **P h a s e**, and **S i z e** can also be adjusted. · Brightness · Sharpness · Color · Tint · Reset Screen (RGB-PC) TruMotion Demo · Advanced  
Control 1 MENU 2 3 ENTER Select **P I C T U R E**. ENTER Select **S c r e e n** ( R G B - P C ). Select **R e s o l u t i o n**. 4 ENTER Select the desired resolution.  
5 ENTER 42 E EXTERNAL EQUIPMENT SETUP PICTURE Move Enter SCREEN Resolution Auto config. G Move MENU Prev. 50 60 60 0 R G 1024 x 768  
1280 x 768 1360 x 768 1366 x 768 Position Size Phase Reset Only for 32/37/42LG30 Auto Configure Automatically adjusts picture position and minimizes  
image instability. After adjustment, if the image is still not correct, try using the manual settings or a different resolution or refresh rate on the PC.

EXTERNAL EQUIPMENT SETUP PICTURE · Brightness · Sharpness · Color · Tint · Reset Screen (RGB-PC) TruMotion Demo E Move Enter SCREEN  
Resolution Auto config. G Move MENU Prev. 50 60 60 0 R G · Advanced Control Position Size Phase Reset To Set Yes No 1 MENU 2 3 ENTER Select **P I C T  
U R E**. · If the position of the image is still not correct, try Auto adjustment again. · If picture needs to be adjusted again after Auto adjustment in RGB-PC,  
you can adjust the **P o s i t i o n**, **S i z e** or **P h a s e**. ENTER Select **S c r e e n** ( R G B - P C ).

Select **A u t o c o n f i g**.. 4 ENTER Select **Y e s**. 5 ENTER Start Auto Configuration. 43 EXTERNAL EQUIPMENT SETUP Adjustment for screen Position,  
Size, and Phase If the picture is not clear after auto adjustment and especially if characters are still trembling, adjust the picture phase manually. This feature  
operates only in RGB-PC mode. · Brightness · Sharpness · Color · Tint · Reset Screen (RGB-PC) TruMotion Demo · Advanced Control 1 MENU 2 3 ENTER  
Select **P I C T U R E**. I ENTER Select **S c r e e n** ( R G B - P C ). I Select **P o s i t i o n**, **S i z e**, or **P h a s e**. I 4 ENTER Make appropriate adjustments.

5 ENTER 44 E EXTERNAL EQUIPMENT SETUP PICTURE Move Enter SCREEN Resolution Auto config. Move MENU Prev. 50 60 60 0 R G D Position Size  
Phase Reset G F E G P o s i t i o n: This function is to adjust picture to left/right and up/down as you prefer. **S i z e**: This function is to minimize any vertical  
bars or stripes visible on the screen background. And the horizontal screen size will also change.

**P h a s e**: This function allows you to remove any horizontal noise and clear or sharpen the image of characters. Screen Reset (Reset to original factory  
values) Returns **P o s i t i o n**, **S i z e**, and **P h a s e** to the default factory settings. This feature operates only in RGB-PC mode. EXTERNAL EQUIPMENT  
SETUP PICTURE · Brightness · Sharpness · Color · Tint · Reset Screen (RGB-PC) TruMotion Demo E Move Enter SCREEN Resolution Auto config. Move  
MENU Prev.

50 60 60 0 R G · Advanced Control Position Size Phase Reset G To Set Yes No 1 MENU 2 3 ENTER Select **P I C T U R E**. ENTER Select **S c r e e n** ( R G B -  
P C ). Select **R e s e t**. 4 ENTER Select **Y e s**. 5 ENTER 45 EXTERNAL EQUIPMENT SETUP USB CONNECTION (Except 32/37/42LG30) i.e) USB IN or 1 I.  
How to connect 1 Connect the USB device to the **U S B I N** jack on the side of TV. 2. How to use I After connecting the **U S B I N** jack, you use the USB func-  
tion. (G p .

64) 46 VIDEO L/MONO AUDIO R AV IN 2 HDMI IN 3 EXTERNAL EQUIPMENT SETUP AUDIO OUT CONNECTION Send the TV's audio to external  
audio equipment via the Audio Output port. Analog (Except 32/37/42/47/52LG60, 42/47LGX) 1. How to connect 1 2 Connect audio outputs to the TV's  
AUDIO OUT jacks. AUDIO R RS-232C IN (CONTROL & SERVICE) AUDIO OUT EXTERNAL EQUIPMENT SETUP S-VIDEO VIDEO L (MONO) AUDIO  
R Set the "TV Speaker option - Off" in the AUDIO menu. (G p . 9 3). See the external audio equipment instruction manual for operation. 1 Digital 1. How to  
connect 1 Connect one end of the optical or coaxial cable to the TV's **O P T I C A L** or **COAXIAL** (Except 32/37/42LG30) port of **D I G I T A L** AUDIO OUT. L  
R AUDIO 2 Connect the other end of the optical or coaxial cable to the digital audio input on the audio equipment.

DIGITAL AUDIO OUT UDIO B/DVI) REMOTE CONTROL IN OPTICAL COAXIAL 3 Set the "TV Speaker option - Off" in the AUDIO menu. (G p .93). See  
the external audio equipment instruction manual for operation. L R RS-232C IN 1 (CONTROL & SERVICE) AUDIO OUT AV IN 1 ANTENNA/ CABLE IN  
AUDIO ! NOTE G N S-VIDEO VIDEO L (MONO) AUDIO R When connecting with external audio equipments, such as amplifiers or speakers, you can turn  
the TV speakers off in G the menu.

(G p . 9 3) 2 CAUTION G G Do not look into the optical output port. Looking at the laser beam may damage your vision. Block the SPDIF out  
(optical/coaxial) about the contents with ACP(Audio Copy Protection) function. AV IN 1 47 WATCHING TV / CHANNEL CONTROL REMOTE CONTROL  
FUNCTIONS When using the remote control, aim it at the remote control sensor on the TV.

TV/STB/DVD/VCR Select the remote operating mode: TV, STB, DVD, or VCR.



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**POWER** Turns your TV or any other programmed equipment on or off, depending on the mode. **Q.MENU** Select the desired quick menu source. **G p.51 MENU** Displays the main menu. Clear all on-screen displays and return to TV viewing from any menu. **INPUT** External input modes rotate in regular sequence. **VOLUME UP** Increase/decrease the sound level. **/DOWN FAV** Scroll through the programmed Favorite channels.

**G p.51 TV STB POWER DVD VCR INPUT Q. MENU MENU 48 WATCHING TV / CHANNEL CONTROL ENTER RETURN AV MODE FAV MUTE** Switch the sound on or off. **G p.50 CHANNEL** Select available channels. **UP/DOWN PAGE** Move from one full set of screen information to the next one. **UP/DOWN NUMBER** button -- (DASH) Used to enter a program number for multiple program channels such as 2-1, 2-2, etc. **FLASHBK** Tune to the last channel viewed. **VOL MUTE CH P A G E 1 4 7 2 5 8 0 3 6 9 FLASHBK VCR/DVD, USB, SIMPLINK** Control buttons Control video cassette recorders or DVD players.

Control USB menu (PHOTO LIST and MUSIC LIST).

) Control the SIMPLINK compatible devices. **THUMBSTICK** Navigate the on-screen menus and adjust the system settings to your preference. (Up/Down/Left Right/ENTER) **RETURN** Allows the user to move return one step in an interactive application or other user interaction function. **WATCHING TV / CHANNEL CONTROL SIMPLINK** See a list of AV devices connected to TV. When you toggle this button, the SIMPLINK menu appears at the screen.

**G p.62-63 AV MODE** It helps you select and set images and sounds. **G p.61 Installing Batteries I** Open the battery compartment cover on the back side and install the batteries matching correct polarity (+with +,-with -). Install two I.

**5V AAA batteries.** Don't mix old or used batteries with new ones. Close cover. **I I 49 WATCHING TV / CHANNEL CONTROL TURNING ON THE TV I** First, connect power cord correctly. At this moment, the TV switches to standby mode. **I** In standby mode to turn TV on, press the ), **INPUT, CH (DE or ),** Number button on the TV or press the **POWER, INPUT, CH( or ( 0~9 )** button on the remote control. **9** Select the viewing source by using the **INPUT** button on the remote control. **I** This TV is programmed to remember which power state it was last set to, even if the power cord is out. When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

**2 WATCHING TV / CHANNEL CONTROL 3 ! NOTE G** If you intend to be away on vacation, disconnect the power plug from the wall power outlet. **CHANNEL SELECTION I** Press the **CH ( or )** or **NUMBER** buttons to select a channel number. **VOLUME ADJUSTMENT** Adjust the volume to suit your personal preference. **1 2 3 50** Press the **VOL ( + or - )** button to adjust the volume. If you want to switch the sound off, press the **MUTE** button. You can cancel the Mute function by pressing the **MUTE** or **VOL ( + or - )** button. **QUICK MENU** Your TV's OSD (On Screen Display) may differ slightly from what is shown in this manual. **Q.Menu (Quick Menu)** is a menu of features which users might use frequently. **I I I I I A s p e c t R a t i o:** Selects your desired picture format.

**P o w e r S a v i n g (Plasma TV Only):** Adjusts screen brightness to reduce the power consumption of the TV. **B a c k l i g h t (LCD TV Only):** Adjust the brightness of LCD panel to control the brightness of the screen. **C l e a r V o i c e:** By differentiating the human sound range from others, it helps make human voices sound better. **P i c t u r e M o d e:** Selects the factory preset picture depend on the viewing environment. **I I I I I S o u n d M o d e:** Selects the factory preset sound for type of program.

**C a p t i o n:** Select on or off. **M u l t i A u d i o:** Changes the audio language (Digital signal). **S A P:** Selects MTS sound (Analog signal). **S l e e p T i m e r:** Select the amount of time before your TV turns off automatically. **D e l / A d d / F a v:** Select channel you want to add/delete or add the channel to the Favorite List.

**U S B E j e c t:** Select "USB Eject" in order to eject USB device. **WATCHING TV / CHANNEL CONTROL Plasma TV Q.Menu Aspect Ratio Power Saving Clear Voice Picture Mode Sound Mode Caption Multi Audio Sleep Timer CH LCD TV Q.Menu F 16:9 3 Off Vivid Standard Off English Off Add Eject G Aspect Ratio Backlight Clear Voice Picture Mode Sound Mode Caption Multi Audio Sleep Timer CH F 16:9 3 Off Vivid Standard Off English Off Add Eject G Del/Add/Fav USB Eject Close Del/Add/Fav USB Eject Close Except 32/37/42LG30 I Q. MENU** Display each menu. **2 3Q. MENU** Make appropriate adjustments. Return to TV viewing. **51 WATCHING TV / CHANNEL CONTROL INITIAL SETTING** This Function guides the user to easily set the essential items for viewing the TV for the first time when purchasing the TV. If will be displayed on the screen when turning the TV on for the first time.

It can also be activated from the user menus. **I I I H H** Default selection is "H o m e". We recommend setting the TV to "H o m e" mode for the best picture in your home environment. **I P "I n - s t o r e"** Mode is only intended for use in retail environments. Customers can adjust the "P i c t u r e m e n u P i c t u r e m o d e" manually while inspecting the TV, but the TV will automatically return to preset in-store mode after 5 minutes. **I "I n - s t o r e"** Mode is an optimal setting for displaying at stores. "In-Store" mode initializes the TV to set the T image quality and operates "T r u M o t i o n D e m o (For 37/42/47/52LG60, 42/47/52LG70, 42/47LGX)" or **L o c a l D i m m i n g D e m o (For 47LG90)"** after a certain period of time. **52 WATCHING TV / CHANNEL CONTROL Step1. Mode setting Step1. Mode Setting !** Selecting the environment.

Choose the setting mode you want. **1 2 Exit Select H o m e Mode. In Store Home ENTER Enter RETURN Step2. Time setting Step2. Time Setting Current Time Setting Year Month Date Hour Minute Time Zone Daylight Saving Enter F 1 Auto 2007 11 15 5 PM 52 Eastern Off RETURN Exit G Select A u t o or M a n u a l.**

**2 3** Select desired time option. **ENTER Step3. Option setting Step3. Option Setting 1. OSD Language Setting 2.**

**Audio Language Setting F 1 English French G Select O S D L a n g u a g e S e t t i n g or A u d i o L a n g u a g e S e t t i n g. WATCHING TV / CHANNEL CONTROL Enter RETURN Exit 2 3** Select your desired language. **ENTER Step4. Auto Tuning Step4. Auto Tuning Auto Tuning can change channel map. Do you want to start Auto Tuning? 1 ENTER Start A u t o T u n i n g. Enter Enter RETURN Exit ! NOTE I** You can also adjust **I n i t i a l S e t t i n g** in the **O P T I O N** menu. **53 WATCHING TV / CHANNEL CONTROL ON-SCREEN MENUS SELECTION** Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual. All models (Except 32/37/42LG30) **CHANNEL Auto Tuning Manual Tuning Channel Edit Move Enter PICTURE Aspect Ratio : 16:9 Picture Mode : Standard · Backlight · Contrast · Brightness · Sharpness · Color · Tint E Move Enter AUDIO Auto Volume Clear Voice : Off : On Move Enter 80 90 50 60 60 0 R G Balance Sound Mode : Standard 0 L R · SRS TruSurround XT: Off · Treble · Bass · Reset E 50 50 54 WATCHING TV / CHANNEL CONTROL OPTION Language Input Label SIMPLINK Key Lock Caption ISM Method Power Saving Set ID E Move Enter TIME Clock Off Time CHANNEL PICTURE AUDIO TIME On Time : Off : Off Move Enter : English : On : Off : Off : Normal : Level 0 :1 OPTION LOCK INPUT USB : Feb/21/2008 2:10 AM Sleep Timer : Off Auto Sleep : Off LOCK Lock System Set Password Block Channel Movie Rating TV Rating-Children TV Rating-General Downloadable Rating Input Block Move Enter INPUT Lock System Set Password Block Channel TV Rating-English TV Rating-French Downloadable Rating Input Block : Off Antenna Cable AV1 AV2 Component1 Component2 RGB-PC HDMI1 E Move Enter USB PHOTO LIST MUSIC LIST Move Enter : Off For USA For Canada 1 MENU 2 3 ENTER Display each menu.**



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*! NOTE G ENTER Select a menu item.*

*G Enter to the pop up menu. G 4 MENU Return to TV viewing. G I S M M e t h o d, P o w e r S a v i n g: Only P l a s m a T V. Backlight, Power Indicator, T r u M o t i o n D e m o: Only L C D T V. (But, T r u M o t i o n D e m o: Only for 37/42/47/52LG60, 42/47/52LG70, 42/47LGX, 47LG90) S e t I D: Except 3 2 / 3 7 / 4 2 / 4 7 / 5 2 L G 6 0, 4 2 / 4 7 L G X. L o c a l D i m m i n g, L o c a l D i m m i n g D e m o: Only 4 7 L G 9 0 Only for 32/37/42LG30 CHANNEL Auto Tuning Manual Tuning Channel Edit Move Enter PICTURE Aspect Ratio : 16:9 Picture Mode : Standard · Backlight · Contrast · Brightness · Sharpness · Color · Tint E Move Enter AUDIO Auto Volume Clear Voice : Off : On Move Enter 80 90 50 60 60 0 R G Balance Sound Mode : Standard 0 L R · SRS TruSurround XT: Off · Treble · Bass · Reset E 50 50 WATCHING TV / CHANNEL CONTROL TIME Clock Off Time On Time : Off : Off Move Enter : Feb/21/2008 2:10 AM CHANNEL PICTURE AUDIO Sleep Timer : Off Auto Sleep : Off TIME OPTION LOCK OPTION Language Input Label SIMPLINK Key Lock Caption Set ID Power Indicator Initial Setting Move Enter LOCK Lock System Set Password Block Channel Movie Rating TV Rating-Children TV Rating-General Downloadable Rating Input Block Move Enter : English : On : Off : Off : 1 : Home : Off Lock System Set Password Block Channel TV Rating-English TV Rating-French : Off Downloadable Rating Input Block For USA For Canada 1 MENU 2 3 ENTER Display each menu. ENTER Select a menu item. Enter to the pop up menu. 4 MENU Return to TV viewing. 55 WATCHING TV / CHANNEL CONTROL CHANNEL SETUP Auto Scan (Auto Tuning) Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list. Run Auto Tuning again after any Antenna/Cable connection changes. CHANNEL Auto Tuning Manual Tuning Channel Edit Move Enter CHANNEL Auto Tuning Manual Tuning Channel Edit 56 WATCHING TV / CHANNEL CONTROL Move Enter Press 'Yes' button to begin auto tuning. Yes No 1 MENU 2 3 ENTER Select C H A N N E L. ENTER Select A u t o T u n i n g. I A password is required to gain access to Auto Tuning menu if the Lock System is turned on. Select Y e s. 4 ENTER Run A u t o t u n i n g. 5 RETURN MENU Return to the previous menu. Return to TV viewing. Add/Delete Channel (Manual Tuning) If selecting DTV or CDTV input signal, you can view the on-screen signal strength monitor to see the quality of the signal being received. CHANNEL Auto Tuning Manual Tuning Channel Edit Move Enter CHANNEL Auto Tuning Manual Tuning Channel Edit Move Enter F DTV G WATCHING TV / CHANNEL CONTROL Select channel type and RF-channel number. Channel DTV 2-1 Bad Normal Good 2 Delete Close 1 MENU 2 3 ENTER Select C H A N N E L. Select M a n u a l T u n i n g. I ENTER Select D T V, T V, C A D T V, or C A T V. Select channel you want to add or delete. ENTER A password is required to gain access to Manual Tuning menu if the Lock System is turned on. 4 5 6 RETURN MENU Select A d d or D e l e t e. Return to the previous menu. Return to TV viewing. 57 WATCHING TV / CHANNEL CONTROL CHANNEL SETUP Channel Editing A custom list can be created by toggling each channel on or off with ENTER button.*

*The channels in the Custom List are displayed in black and the channels deleted from the Custom List are displayed in gray. Once a channel is highlighted you can add or delete the channel by referring to the small window at the topright corner of the screen. 58 WATCHING TV / CHANNEL CONTROL CHANNEL Auto Tuning Manual Tuning Channel Edit Move Enter Add/Delete Move CH Move Page MENU Previous RETURN Exit 1 MENU 2 3 ENTER Select C H A N N E L. Select C h a n n e l E d i t. ENTER Select a channel. 4 ENTER Select channel you want to add or delete. Return to the previous menu. 5 MENU RETURN Return to TV viewing. INPUT LIST Only these input signals which are connected to a TV can be activated and selected. Antenna Cable AV1 AV2 Component1 1 INPUT WATCHING TV / CHANNEL CONTROL ENTER I Select the desired input source. You can also select the desired input source in the I N P U T menu (Except 32/37/42LG30). 32/37/42LG30, 37/42/47/52LG50, 32LG70 Antenna Cable AV1 AV2 Component1 Component2 HDMI3 Plasma TV, 42/47/52LG70, 47LG90 Antenna Cable HDMI2 HDMI1 RGB-PC AV1 AV2 Component1 Component2 HDMI4 32/37/42/47/52LG60, 42/47LGX Antenna HDMI3 HDMI2 HDMI1 RGB-PC Cable AV Component1 Component2 HDMI4 HDMI3 HDMI2 HDMI1 RGB-PC ie) Disconnected inputs are inactive (grayed out) Antenna Cable AV1 AV2 Q.MENU Component1 Input Label RETURN Exit Select a desired input source (except A n t e n n a or C a b l e). Then, you can select your desired Input Label with using Q. MENU button. G p.60 I I I I I I A n t e n n a: Select it to watch over-the-air broadcasts. C a b l e: Select it to watch cable and digital cable. A V: Select them to watch a VCR or other external equipment. C o m p o n e n t: Select them to watch DVD or a Digital set-top box. R G B - P C: Select it to view PC input. H D M I: Select them to watch high definition devices. 59 WATCHING TV / CHANNEL CONTROL INPUT LABEL You can set a label for each input source when it's not in use. OPTION Language Input Label SIMPLINK Key Lock Caption ISM Method : On : Off : Off : Normal : Level 0 : 1 E Move Enter F G : English AV1 AV2 Component1 Component2 RGB-PC HDMI1 HDMI2 HDMI3 AV1 AV2 Component1 Component2 RGB-PC HDMI1 HDMI2 HDMI3 HDMI4 F G AV Component1 Component2 RGB-PC HDMI1 HDMI2 HDMI3 HDMI4 F G 60 WATCHING TV / CHANNEL CONTROL Power Saving Set ID Close Close Close 32/37/42LG30, 37/42/47/52LG50, 32LG70 Plasma TV, 42/47/52LG70, 47LG90 32/37/42/47/52LG60, 42/47LGX With using OPTION menu 1 MENU 2 3 4 Select the label. ENTER With using INPUT button 1 INPUT 2 Q. MENU 3 RETURN MENU Select O P T I O N. Select the source. Select I n p u t L a b e l. Select the label. ENTER Select the source. Return to the previous menu. Return to TV viewing. 5 RETURN MENU Return to the previous menu. Return to TV viewing. I I When new external device is connected, this popup menu is displayed automatically. If selecting Y e s, you can select input source that you want to appreciate. S But, when selecting "S I M P L I N K - O n", popup menu for HDMI input will not be displayed. New external device is connected. Do you want to enjoy this? ! Select input source that you want to appreciate.*



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