



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH 32LC2D. You'll find the answers to all your questions on the ZENITH 32LC2D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual ZENITH 32LC2D**  
**User guide ZENITH 32LC2D**  
**Operating instructions ZENITH 32LC2D**  
**Instructions for use ZENITH 32LC2D**  
**Instruction manual ZENITH 32LC2D**



## LCD TV

MODELS: 32LC2D  
32LC2DC  
37LC2D  
42LC2D

## PLASMA TV

MODELS: 42PC3D 42PC1DVH  
42PC3DH 42PC3DH  
42PC3DV 42PC3DVA  
50PC3D 50PC3DH

## OWNER'S MANUAL



Internet Home Page : <http://www.lge.com>  
<http://www.lg.ca>

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



As an ENERGY STAR Partner, LGE U.S.A., Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

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.

P/NO : 38289U027B (0605-REV05)  
Printed in Korea



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**Manual abstract:**

As an ENERGY STAR Partner LGE U. S. A., Inc. @@Please read this manual carefully before operating your set. Retain it for future reference. Record model number and serial number of the set. @@NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL. @@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.

**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.

**REGULATORY INFORMATION** 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. @@@@- 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. U.S.A. only -----COMPLIANCE: The responsible party for this product's compliance is: LG Electronics U.S.A., Inc. 1000 Sylvan Avenue, Englewood Cliffs, NJ 07632 Phone: 1-800-243-0000 <http://www.lgusa.com>

----- 2 Safety Instructions Safety Instructions WARNING : To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. **IMPORTANT SAFETY INSTRUCTIONS** 1. Read these instructions. Owner's Manual 2. Keep these instructions. 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. 3. Heed all warnings. 4. Follow all instructions. 9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other.

A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 5. Do not use this apparatus near water.

6. Clean only with a dry cloth. 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions. 11. Only use the attachments / accessories specified by the manufacturer. 3 Safety Instructions 12.

Use only with a 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. 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. 13. Unplug this apparatus during lightning storms or when unused for long periods of time. Note - If the TV feels cold to the touch, there may be a small "flicker" when when it is turned on. This is normal, there is nothing wrong with TV. - Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots.

However, they have no adverse effect on the monitor's performance. - Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen. 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. On Disposal a. The fluorescent lamp used in this product contains a small amount of mercury. b. Do not dispose of this product with general household waste. Disposal of this product must be carried out in accordance to the regulations of your local authority. 4 Contents Contents 2 3-4 Warnings Safety Instructions Accessories Controls (Model Name: 32/37/42LC2D\*\*) Swivel Stand (42LC2D\*\* only) Connection Options (Model Name: 32/37/42LC2D\*\*) Controls (Model Name: 42PC1D\*\*/42PC3D\*\*/50PC3D\*\*) Connection Options (Model Name: 42PC1D\*\*/42PC3D\*\*/50PC3D\*\*) 7 8 9 10 11 Introduction 12-16 Remote Control Key Functions 17 18-20 Various Installation Basic Connection Antenna or Cable Connection VCR Setup External AV Source Setup DVD Setup HDSTB Setup Monitor Out Setup Digital Audio Output PC Setup Turning on the TV Volume Adjustment Channel Selection On Screen Menus Language Selection On Screen Menus Selection and Adjustment EZ Scan (Channel Search) Manual Scan Channel Edit DTV Signal Strength Input Source Input Label EZ Picture APM (Adaptive Picture Mode) Manual Picture Control (EZ Picture-Custom option) Color Temperature Control Video Reset Audio Language EZ SoundRite EZ Sound Manual Sound Control (EZ Sound-Custom option) Stereo/SAP Broadcasts Setup Front Surround TV Speakers On/Off Setup BBE 5 Installation External Equipment Connections 21 22-23 23 24-25 26-27 28 28 29-31 32 32 32 32 33 34 34 35 36 36 37 38 38 39 39 39 40 40 41 41 42 42 43 43 Basic operation Setup Menu Options Operation Video Menu Options Audio Menu Options Contents Time Menu Options Operation 44 44 45 45 46 47 48 48 49 50 50 51 52-53 Auto Clock Setup Manual Clock Setup On/Off Timer Setup Sleep Timer Auto Off Aspect Ratio Control Cinema 3:2 Mode Setup Caption Caption/Text Caption Option Low Power (42PC1D\*\*/42PC3D\*\*/50PC3D\*\* only) ISM (Image Sticking Minimization) Method (42PC1D\*\*/42PC3D\*\*/50PC3D\*\* only) Parental Lock Setup Option Menu Features Lock Menu Options 54-59 60-61 External Control Device Setup IR Codes Programming the Remote Programming Codes Troubleshooting Checklist Maintenance Product Specifications Reference 62 63-64 65-66 66 67-68 6 Introduction Introduction Accessories Ensure that the following accessories are included with your TV.



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If any accessory is missing, please contact the dealer from where you purchased the product. TV UT INP TV WE PO AU DIO D DV DE MO BLE R UT INP CA DAY ME - VC NU GU ID E DAY R B ST TIO RA R TE EN + EX IT TIM ER L VO TE MU CC INF GE PA O V FA 1 GE PA 4 2 7 5 C H 3 EZ PIC EZ AD JU ST AP M SA P DAY 8 6 0 9 K HB AS FL EE FR ZE ME - NU ID GU D UN SO R TE EN 1.5V 1.

5V EX IT ER TIM VO CC L TE MU INF GE PA O V FA 1 GE PA 4 7 H C 2 5 3 EZ PIC AD JU ST M AP 8 6 0 EZ D UN SO SA P 9 K HB AS FL EE FR ZE Power Cord 75 Round Cable D-sub 15 pin cable Owner's Manual Remote Control / Batteries For 42PC1D\*\*, 42PC3D\*\*, 50PC3D\*\* For 32/37/42LC2D\*\* 42LC2D\*\* only 32LC2D\*\* only 2-Wall brackets 2-eye-bolts 42PC1D\*\*, 42PC3D\*\* only Twister Holder 2-TV brackets Arrange the wires 2-Wall brackets with the twister holder. Polishing Cloth Polish the TV with the cloth. 4-bolts for stand assembly See below for detail information. 2-bolts (Refer p.19) 2-TV Bracket Bolts Cable Management (Refer p.18) Stand Installation for 32LC2D\*\* 1 Carefully place the product screen side down on a cushioned surface that will protect product and screen from damage. 2 Place the hook of the stand in the back of the product as shown. 3 Install the 4 bolts provided securely, in the back of the product. 7 Introduction Controls (Model Name: 32/37/42LC2D\*\*) - This is a simplified representation of front panel. - Here shown may be somewhat different from your TV.

CH CHANNEL (D, Buttons E) VOL VOLUME (F,G) Buttons ENTER Button ENTER MENU R MENU Button INPUT Button (Power) Button INPUT Remote Control Sensor Power/Standby Indicator · illuminates red in standby mode. · illuminates green when the set is switched on. Swivel Stand (42LC2D\*\* only) 30° 30° - The TV can be conveniently swivelled on its stand 30° to the left or right to provide the optimum viewing angle. R 8 Introduction Connection Options (Model Name: 32/37/42LC2D\*\*) - Here shown may be somewhat different from your TV. 37/42LC2D\*\* S-VIDEO 32LC2D\*\* S-VIDEO S-VIDEO Input R L/MONO L/ MONO AUDIO R AUDIO Input VIDEO Input AUDIO L/MONO L/ MONO VIDEO VIDEO AV IN 2 AC IN AV IN 2 AV OUT AV INI AV OUT (MONO) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 COMPONENT IN COMPONENT IN 1/2 AC IN HDMI / DVI IN RS-232C INPUT (CONTROL&SERVICE) AC IN ANTENNA IN HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT CABLE IN RGB IN REMOTE CONTROL IN OPTICAL PTICAL AUDIO (RGB/DVI) RGB (PC/DTV) (PC DTV) CABLE IN ANTENNA IN DIGITAL AUDIO OUT OPTICAL AUDIO (RGB/DVI) RGB (PC/DTV) REMOTE CONTROL Port 9 Introduction Controls (Model Name: 42PC1D\*\*/42PC3D\*\*/50PC3D\*\*) - This is a simplified representation of front panel.

- Here shown may be somewhat different from your TV. 42PC1D\*\* INPUT MENU ENTER VOL CH INPUT Button Power/Standby Indicator · illuminates red in standby mode. · illuminates green when the set is switched on. ENTER Button MENU Button CHANNEL (D, Buttons VOLUME (REEZE Freezes the currently-viewed picture. ADJUST (Refer to p.

31) Adjusts screen position, size, and phase in PC mode. APM (Refer to p.38) Concurrently, compare with the Daylight, Normal, Night Time and Custom on the screen. 13 Introduction TV INPUT POWER INPUT INPUT Auto Link 1. When every external equipment is connected: Antenna Cable AV1 AV2 Component1 TV DVD MODE VCR AUDIO CABLE STB HDMI/DVI DAY DAY+ RGB-DTV (or RGB-PC) Component2 MENU GUIDE RATIO 2. When any external equipment is not connected: Antenna Cable RGB-DTV (or RGB-PC) HDMI/DVI ENTER 3. When some External Equipment is connected: (ex: When connected to AV IN1) EXIT TIMER CC INFO Antenna Cable AV1 PAGE VOL MUTE FAV PAGE CH HDMI/DVI RGB-DTV (or RGB-PC) · You can also select Input Source in the SETUP menu. 3 6 9 FLASHBK SETUP 1 4 7 2 5 8 0 VIDEO AUDIO TIME INPUT VCR INPUT POWER TV INPUT POWER INPUT AUDIO CABLE STB TV DVD MODE VCR TV DVD MODE VCR AUDIO DAY DAY+ CABLE STB AUDIO CABLE STB MENU GUIDE RATIO DAY DAY+ DAY - DAY+ MENU GUIDE RATIO MENU GUIDE RATIO ENTER ENTER ENTER EXIT TIMER CC INFO EXIT EXIT TIMER CC INFO TIMER CC INFO Close the cover. \* Use a remote control 7 meter distance and 30 degree (left/right) within the receiving unit scope. \* Dispose of used batteries in a recycle bin to prevent environment.

Installation 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, lightning rods, or gas pipes. Power Supply Short-circuit Breaker Various Installation Desktop Pedestal Installation For proper ventilation, allow a clearance of 4" on each side and from the wall. 32/37/42LC2D\*\* 42PC1D\*\*, 42PC3D\*\*, 50PC3D\*\* 4 inches 4 inches 4 inches 4 inches 4 inches 4 inches 4 inches 4 inches 17 Installation Installation Basic Connection (For 32/37/42LC2D\*\*) 1 Connect the cables as necessary. After connecting the cables neatly, arrange the cables to the Cable Holder. To connect an additional equipment, see the External equipment Connections section. 32LC2D\*\* Cable holder 37/42LC2D\*\* CABLE MANAGEMENT 2 Reinstall the CABLE MANAGEMENT as shown.

32LC2D\*\* 37/42LC2D\*\* 3 Bundle the cables using the supplied twister holder. 32LC2D\*\* 37/42LC2D\*\* How to remove the CABLE MANAGEMENT - Hold the CABLE MANAGEMENT with both hands and pull it upward. CABLE MANAGEMENT Do not hold the CABLE MANAGEMENT when moving the product. - If the product is dropped, you may be injured or the product may be broken. 18 Installation Basic Connection How to use stand (For 42PC1D\*\*, 42PC3D\*\*) 1 Place the set with the screen facing down on a cushion or soft cloth as shown. Before unfolding the stand, please make sure two locks (A) on the bottom of the stand push outward. 2 Pull the stand out as shown. After unfolding the stand, please insert and tighten the screws (provided as parts of the product) in the holes (B) on the bottom of the stand. (A) (B) 3 When connecting cables to the set, Do not disengage the lock (C). This may cause the set to fall, causing serious bodily injury and serious damage to the set.



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\* Image shown here may be slightly different from your set. When closing the stand for storage - First remove the screws in the holes (B) on the bottom of the stand. And then pull two Hooks (D) of the stand bottom and fold the stand into the back of the set. - After folding, push the two Locks (A) of the stand bottom outward. (C) (A) (B) (D) How to arrange the cable (For 50PC3D\*\*) 1 Hold the CABLE MANAGEMENT with both hands and push it as shown. 2 Connect the cables as necessary. To connect an additional equipment, see the External equipment Connections section. 3 Reinstall the CABLE MANAGEMENT as shown. For 42PC1D\*\*, 42PC3D\*\* Arrange the cable as shown. 19 Installation How to join the product assembly to the wall to protect the set tumbling - Set it up close to the wall so the product doesn't fall over when it is pushed backwards.

- The instructions shown below is a safer way to set up the product, which is to fix it on the wall so the product doesn't fall over when it is pulled in the forward direction. It will prevent the product from falling forward and hurting people. It will also prevent the product from damage caused by fall. Please make sure that children don't climb on or hang from the product. 42PC1D\*\*/42PC3D\*\*/50PC3D\*\* 3 1 2 32/37/42LC2D\*\* 1 2 3 1 2 3 Use the eye-bolts or TV brackets/bolts to fix 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 (not provided as parts of the product, must purchase separately) on the wall. Match the height of the bracket that is mounted on the wall. Use a sturdy rope (not provided as parts of the product, must purchase separately) to tie the product.

It is safer to tie the rope so it becomes horizontal between the wall and the product. Notes · When moving the product to another place undo the ropes first. · Use a product holder or a cabinet that is big and strong enough for the size and weight of the product. · To use the product safely make sure that the height of the bracket that is mounted on the wall is same as that of the product. 20 S-VIDE S-VIDEO AUDIO R R L/MONO AUDIO L/MONO VIDEO VIDEO AV IN 2

AV IN 2 Installation External Equipment Connections S-VIDEO NOTE: All cables shown are not included with the TV AV OUT S-VIDEO AUDIO R ) L/MONO Antenna or Cable Connection Analog and Digital TV signals provided on antenna - Antenna or Cable Service without a Cable Box Connection.

For optimum picture quality, adjust antenna direction if needed. Multi-family Dwellings/Apartments (Connect to wall antenna socket) Wall Antenna Socket S-VIDEO VIDEO R ( VIDEO AUDIO S-VIDEO VIDEO AUDIO AUDIO L/MONO AV IN 1 COMPONENT IN VIDEO AV IN 2 AV IN 2 AV OUT ANTENNA IN RF Coaxial Wire (75 ohm) HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT ( ) VIDEO AUDIO CABLE AV IN IN 1 S-VIDEO VIDEO RGB IN REMOTE AUDIO CONTROL IN S-VIDEO COMPONENT IN AUDIO (RGB/DVI) Turn clockwise to tighten. UHF Antenna Outdoor Antenna

L/MONO VHF Antenna OPTICAL AUDIO R R AUDIO L/MONO RGB (PC/DTV) VIDEO VIDEO AV IN 2 Bronze Wire AV IN 2 Single-family Dwellings /Houses (Connect to wall jack for outdoor antenna) Be careful not to bend the bronze wire when connecting the antenna. ANTENNA IN Analog and Digital TV signals provided on cable S-VIDEO AV OUT Cable TV S-VIDEO Jack Wall HDMI/DVI IN RS-232C IN DIGITAL AUDIO RF Coaxial Wire (75 ohm) (CONTROL & SERVICE) OUT CABLE IN ( ) RGB IN REMOTE CONTROL IN AUDIO R R OPTICAL VIDEO AUDIO (RGB/DVI) S-VIDEO VIDEO AUDIO L/MONO AUDIO L/MONO AUDIO AV IN 1 COMPONENT IN RGB (PC/DTV) VIDEO VIDEO AV IN 2 AV IN 2 Turn clockwise to tighten. Analog and Digital TV signals provided on cable and antenna Antenna RF Coaxial Wire (75 ohm) AV OUT Bronze Wire ANTENNA IN Turn clockwise to tighten.

( ) VIDEO AUDIO S-VIDEO AV IN 1 VIDEO AUDIO Cable TV Wall Jack COMPONENT IN RS-232C DIGITAL HDMI/DVI IN RF Coaxial Wire AUDIO (CONTROL&SERVICE) (75 ohm) IN OUT CABLE IN RGB IN REMOTE CONTROL IN OPTICAL AUDIO (RGB/DVI) RGB (PC/DTV) Bronze Wire ANTENNA IN signal amplifier RGB IN REMOTE CONTROL IN · In a poor signal area to improve picture quality, purchase and install a signal amplifier. · If the antenna needs to be split for two TV's, install a "2-Way Signal Splitter" in the connections. · If the antenna is not installed properly, contact your dealer for assistance. 21 CABLE IN AUDIO (RGB/DVI) RGB (PC/DTV) Installation VCR Setup - To avoid picture noise (interference), leave an adequate distance

between the VCR and TV. - Typically a frozen still picture from a VCR. If the 4:3 picture format is used; the fixed images on the sides of the screen may remain visible on the screen. When connecting with an antenna 2 ANT IN VCR 1 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. 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.) ANT OUT S-VIDEO OUT OUTPUT SWITCH 3 4 2 (R) AUDIO (L) VIDEO IN 3 1 ANTENNA IN 4 CABLE IN ANTENNA IN CABLE IN When connecting with a RCA cable VCR ANT IN 1 OUT S-VIDEO (R) AUDIO (L) VIDEO OUTPUT SWITCH ANT OUT IN 3 4 Connect the AUDIO/VIDEO jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red) Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.) Select AV1 input source using the INPUT button on the remote control. - If connected to AV IN2, select AV2 input source. 2 AV OUT 1 3 ( ) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV OUT V AV IN 1 COMPONENT IN (MONO) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 V COMPONENT IN · If you have a mono VCR, connect the audio cable from the VCR to the AUDIO L/MONO jack of the set. · This TV finds the connected input sources automatically for AV1, AV2 and Component 1-2. It is presumed that RGB and HDMI/DVI sources are connected. AV OUT 22 ( ) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV OUT AV IN 1 COMPONENT IN ( ) VIDEO AUDIO S-VIDEO VIDEO AUDIO Installation AV OUT ( ) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 COMPONENT IN When connecting with an S-Video cable VCR ANT IN 1 OUT S-VIDEO (R) AUDIO (L) VIDEO OUTPUT SWITCH ANT OUT IN 3 4 Connect the S-VIDEO output of the VCR to the SVIDEO input on the set.



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The picture quality is improved; compared to normal composite (RCA cable) input. Connect the audio outputs of the VCR to the AUDIO input jacks on the set. 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.

- If connected to AV IN2, select AV2 input source. 2 1 2 3 AV OUT V 4 (MONO) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 V COMPONENT IN 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. External AV Source Setup 1 S-VIDEO R AUDIO L/MONO MONO Connect the AUDIO/VIDEO jacks between TV and external equipment. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).

Select AV2 input source with using the INPUT button on the remote control. - If connected to AV IN1 input, select AV1 input source. Operate the corresponding external equipment. Refer to external equipment operating guide. VIDEO 2 1 AV IN 2 V i.e) 32LC2D\*\* Camcorder 3 Video Game Set R AUDIO L VIDEO · This TV finds the connected input sources automatically for AV1, AV2 and Component 12. It is presumed that RGB and HDMI/DVI sources are connected. 23 HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT OPTICAL AV OUT Installation ( ) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 COMPONENT IN DVD Setup When connecting with a S-Video cable DVD (R) AUDIO (L) S-VIDEO 2 1 AV OUT V (MONO) VIDEO AUDIO UDIO S-VIDEO VIDEO AUDIO UDIO AV IN 1 V COMPONENT IN 1 2 3 4 Connect the S-VIDEO output of the DVD to the S-VIDEO input on the set. Connect the audio outputs of the DVD to the AUDIO input jacks on the set. Turn on the DVD player, insert a DVD.

Select AV1 input source with using the INPUT button on the remote control. - If connected to AV IN2, select AV 2 input source. Refer to the DVD player's manual for operating instructions. 5 When connecting with a HDMI cable HDMI/DVI IN RS-232C IN DIGITAL AUDIO DIGITAL AUDIO (CONTROL & SERVICE) OL OUT OPTICAL AV OUT 1 ( ) DEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 COMPONENT IN DVD HDMI-DVD OUTPUT 1 Connect the HDMI output of the DVD to the HDMI/DVI IN jack on the set. Select HDMI/DVI input source with using the INPUT button on the remote control. Refer to the DVD player's manual for operating instructions. 2 3 AV OUT · TV can receive the video and audio signal simultaneously with using a HDMI cable. · If the DVD supports Auto HDMI function, the DVD output resolution will be automatically set to 1280x720p. · If the DVD does not support Auto HDMI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the DVD to 1280x720p.

( 24 ) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 COMPONENT IN Installation When connecting with a component cable DVD B R (R) AUDIO (L) HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT OPTICAL 1 2 AV OUT V (MONO) VIDEO AUDIO UDIO S-VIDEO VIDEO AUDIO UDIO AV IN 1 V COMPONENT IN 1 2 3 4 Connect the video outputs (Y, PB, PR) of the DVD to the COMPONENT IN VIDEO jacks on the set. Connect the audio outputs of the DVD to the COMPONENT IN AUDIO jacks on the set. 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 2, select Component 2 input source.

Refer to the DVD player's manual for operating instructions. AV OUT 5 · Component Input ports To get better picture quality, connect a DVD player to the component input ports as shown below. ( ) VIDEO AUDIO S-VIDEO VIDEO AUDIO AV IN 1 COMPONENT IN Component ports on the TV Video output ports on DVD player Y Y Y Y PB PR Pr Pb B-Y R-Y Cb Cr PB PR 25 AUDIO IN (RGB/DVI) RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT REMOTE CONTROL RGB IN REMOTE CONTROL IN HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT OPTICAL RGB IN (PC/DTV) OPTICAL AUDIO (RGB/DVI) RGB (PC/DTV) Installation HDSTB Setup - This TV can receive Digital Over-the-air/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, refer to the figure as shown below. When connecting with a D-sub 15 pin cable AUDIO IN (RGB/DVI) REMOTE CONTROL 1 RGB IN REMOTE CONTROL IN Connect the RGB output of the digital set-top box to the RGB (PC/DTV) jack on the set.

Connect the audio outputs of the set-top box to the AUDIO (RGB/DVI) jack on the set. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.) Select RGB-DTV input source with using the INPUT button on the remote control. AUDIO (RGB/DVI) 2 RGB IN (PC/DTV) RGB (PC/DTV) 3 2 1 4 (R) AUDIO (L) RGB-DTV OUTPUT Digital Set-top Box When connecting with a HDMI cable HDMI/DVI IN RS-232C IN DIGITAL AUDIO DIGITAL AUDIO (CONTROL (CONTROL & SERVICE) VICE) OUT OPTICAL 1 Connect the HDMI output of the digital set-top box to the HDMI/DVI IN jack on the set. Select HDMI/DVI input source with using the INPUT button on the remote control. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.) 2 1 3 AUDIO T IN HDMI-DTV OUTPUT Digital Set-top Box AUDIO IN (RGB/DVI) 32C IN L & SERVICE) REMOTE CONTROL · TV can receive the video and audio signal simultaneously with using a HDMI cable. · If the digital set-top box supports Auto HDMI function, output resolution of the digital set-top box will be automatically set to 1280x720p.

· If the digital set-top box does not support Auto HDMI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the digital set-top box to 1280x720p. REMOTE RGB IN CONTROL IN HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT OPTICAL RGB IN (PC/DTV) AUDIO (RGB/DVI) RGB (PC/DTV) 26 Installation When connecting with a Component cable 1 Digital Set-top Box B R Connect the video outputs (Y, PB, PR) of the digital set-top box to the COMPONENT IN VIDEO jacks on the set. Connect the audio output AUDIOthe digital set-top box of RS-232C IN DIGITAL HDMI/DVI IN to the COMPONENT IN OUT (CONTROLjacks on the set. AUDIO &SERVICE) OPTICAL 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 2, select Component 2 input source.



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(R) AUDIO (L) HDMI/DVI IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT 2 OPTICAL 3 1 2 4 AV OUT V VIDEO AUDIO (MONO) COMPONENT IN VIDEO AUDIO UDIO S-VIDEO VIDEO AUDIO UDIO AV IN 1 V COMPONENT IN Signal 480i 480p/720p/1080i Component 1/2 RGB-DTV, HDMI/DVI Yes Yes No Yes When connecting with a HDMI to DVI cable AUDIO IN (RGB/DVI) RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT REMOTE CONTROL AUDIO IN REMOTE RGB IN REMOTE CONTROL IN HDMI/DVI IN OPTICAL RGB IN (PC/DTV) HDMI/DVI IN IN RS-232C DIGITAL AUDIO (CONTROL & SERVICE) OUT OPTICAL CONTROL (RGB/DVI) RS-232C IN DIGITAL AUDIO DIGITAL AUDIO (CONTROL & SERVICE) (CONTR & SER OUT RGB IN RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT REMOTE CONTROL IN OPTICAL AUDIO (RGB/DVI) HDMI/DVI IN OPTICAL RGB IN (PC/DTV) RGB (PC/DTV) AUDIO (RGB/DVI) RGB (PC/DTV) 2 1 DVI-DTV OUTPUT (R) AUDIO (L) Digital Set-top Box 1 2 AUDIO IN (RGB/DVI) Connect the DVI output of the digital set-top box to the HDMI/DVI IN jack on the set. Connect the audio outputs of the set-top box to the AUDIO (RGB/DVI) jack on the set.

REMOTE CONTROL REMOTE Turn on the digital set-top box. IN (Refer to REMOTE owner's manual for the REMOTE the digital set-top box.) RGB IN AUDIO IN CONTROL (RGB/DVI) CONTROL RGB IN CONTROL IN 3 4 AUDIO source with using the INPUT button on the remote control. Select HDMI/DVI input (RGB/DVI) AUDIO (RGB/DVI) RGB (PC/DTV) RGB IN (PC/DTV) RGB IN (PC/DTV) RGB (PC/DTV) · If the digital set-top box has a DVI output and no HDMI output, a separated audio connection is necessary. · If the digital set-top box supports Auto DVI function, the output resolution of the digital set-top box will be automatically set to 1280x720p.

· If the digital set-top box does not support Auto DVI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the digital set-top box to 1280x720p. 27 Installation Monitor Out Setup - The TV has a special signal output capability which allows you to hook up a second TV or monitor. 1 AV OUT V Connect the second TV or monitor to the TV's AV OUTPUT jacks. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

2 (MONO) VIDEO AUDIO UDIO S-VIDEO VIDEO AUDIO UDIO AV IN 1 V COMPONENT IN 1/2 S-VIDEO IN (R) AUDIO (L) VIDEO · Component 1-2, RGB-PC/RGB-DTV, HDMI/DVI, DTV input sources cannot be used for Monitor out. · We recommend to use the video and audio output jacks for VCR recording. Digital Audio Output - Send the TV's audio to external audio equipment (stereo system) via the Digital Audio Output Optical port. HDMI/DVI IN RS-232C IN DIGITAL AUDIO DIGITAL AUDIO (CONTROL & SERVICE) OUT 1 OPTICAL Connect one end of an optical cable to the TV Digital Audio Optical Output port. Connect the other end of the optical cable to the digital audio optical input on the audio equipment. See the external audio equipment instruction manual for operation. When connecting with external audio equipments, such as amplifiers or speakers, please turn the TV speakers off. (Refer to p.43) 2 3 1/2 CAUTION Do not look into the optical output port. Looking at the laser beam may damage your vision.

28 RGB IN (PC/DTV) RGB (PC/DTV) Installation 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 AUDIO IN (RGB/DVI) REMOTE CONTROL RGB IN REMOTE CONTROL IN AUDIO (RGB/DVI) 1 RGB IN (PC/DTV) RGB (PC/DTV) Connect the RGB output of the PC to the RGB (PC/DTV) jack on the set. Connect the PC audio outputs to the AUDIO (RGB/DVI) jack on the set. Turn on the PC and the set. Select RGB-PC input source with using the INPUT button on the remote control. 2 2 1 3 4 (R) AUDIO (L) RGB-PC OUTPUT PC When connecting with a HDMI to DVI cable AUDIO IN (RGB/DVI) RS-232C IN DIGITAL AUDIO (CONTROL & SERVICE) OUT REMOTE CONTROL RGB IN REMOTE CONTROL IN HDMI/DVI HDMI/DVI IN RS-232C IN DIGITAL AUDIO DIGITAL AUDIO (CONTROL & SERVICE) (CONTROL & SERVICE) OUT OPTICAL RGB IN (PC/DTV) OPTICAL AUDIO (RGB/DVI) RGB (PC/DTV) 1 2 DVI-PC OUTPUT (R) AUDIO (L) PC 1 2 3 4 Connect the DVI output of the PC to the HDMI/DVI IN jack on the set. Connect the audio outputs of the PC to the AUDIO (RGB/DVI) jack on the set. Turn on the PC and the set. REMOTE AUDIO IN Select (RGB/DVI) CONTROL input source with using the INPUT button on the remote control. HDMI/DVI REMOTE RGB IN CONTROL IN AUDIO (RGB/DVI) RGB (PC/DTV) · If the PC has a DVI output and (PC/DTV) HDMI output, a separated audio connection is necessary.

no · If the PC does not support Auto DVI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of PC graphics card's output resolution to 1024x768, 60Hz. RGB IN 29 Installation 1. To get the best picture quality, adjust the PC graphics card to 1024x768, 60Hz. 2.

Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use. 3. When Source Devices connected with HDMI/DVI Input, output PC Resolution (VGA, SVGA, XGA), Position and Size may not fit to Screen. Press the ADJUST button to adjust the screen Position of TV SET and contact an PC graphics card service center. 4.

When Source Devices connected with HDMI/DVI Input, output TV SET Resolution (480p, 720p, 1080i) and TV SET Display fit EIA/CEA-861-B Specification to Screen. If not, refer to the Manual of HDMI/DVI Source Devices or contact your service center. 5. In case HDMI/DVI Source Devices is not connected Cable or poor cable connection, "NO SIGNAL" OSD display in HDMI/DVI Input. In case that Video Resolution is not supported TV SET output in HDMI/DVI Source Devices, "INVALID FORMAT" OSD display. Refer to the Manual of HDMI/DVI Source Devices or contact your service center. 6. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC, HDMI/DVI mode. If noise is present, change the PC or HDMI/DVI mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear.

If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card. 7. Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen. 8. The synchronization input form for Horizontal and Vertical frequencies is separate. Supported Display Resolution (RGB-PC, HDMI/DVI Mode) Resolution \* 640x350 \* 720x400 640x480 Horizontal Frequency (kHz) 31.



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468 31.469 31.469 37.

861 37.500 Vertical Frequency (Hz) 70.08 70.08 59.94 72.

80 75.00 Resolution Horizontal Frequency (kHz) 35.156 37.879 48.077 46.

875 48.363 Vertical Frequency (Hz) 56.25 60.31 72.18 75.00 60.00 70.06 75.02 800x600 1024x768 \* RGB-PC only 56.476 60.

023 30 Installation Screen Setup for PC mode When RGB connect to PC input and select the RGB-PC, this function is used. When HDMI/DVI connect to PC input and select HDMI/DVI input, this function is used. In RGB-DTV mode, SIZE and PHASE is not available. After connecting RGB-PC or HDMI/DVI to PC input and checking the screen quality. \* Adjustment for screen Position, Size, and Phase 4 7 5 8 0 6 9 FLASHBK POSITION SIZE F G D G E PHASE RESET EZ PIC EZ SOUND SAP FREEZE Adjust Close ADJUST ADJUST APM 1 Mini Glossary Position This function is to adjust picture to left/right and up/down as you prefer. Size This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

This function allows you to remove any horizontal noise and clear or sharpen the image of characters. Press the ADJUST button and then use POSITION, SIZE, or PHASE. Press ENTER button and then use make appropriate adjustments.

D /E button to select 2 D /E /F /G buttons to . The PHASE adjustment range is -16 ~ +16. (In HDMI/DVI-PC mode, PHASE is not available.) . The SIZE adjustment range is -30 ~ +30. 3 Press ENTER button. Phase \* Initializing (Reset to original factory values) 4 7 5 8 0 EZ PIC EZ SOUND SAP 6 9 FLASHBK PHASE RESET FREEZE Adjust Close G POSITION SIZE Initialize Settings ADJUST ADJUST APM - To initialize the adjusted values 1 2 3 Press the ADJUST button and then use the RESET option.

Press ENTER button and then use Press ENTER button. F /G D /E button to select button to select Yes. 31 Operation Operation Basic operation Turning on the TV 1. First, connect power cord correctly. At this moment, the TV switches to standby mode.

In standby mode to turn TV on, press the , INPUT, CH D /E button on the TV or press the POWER, TV INPUT, INPUT, CH D /E, Number (0 ~ 9) button on the remote control . 2. Select the viewing source by using TV INPUT, INPUT button on the remote control. This TV is programmed to remember which power state it was last set to, even if the power cord is out. 3. When finished using the TV, press the POWER button on the remote control. The TV reverts to standby mode. Volume Adjustment 1. Press the VOL D /E button to adjust the volume. 2.

If you want to switch the sound off, press the MUTE button. 3. You can cancel this function by pressing the MUTE or VOL D /E button. Channel Selection Press the CH D /E or NUMBER buttons to select a channel number. . If you intend to be away on vacation, disconnect the power plug from the wall power outlet. On Screen Menus Language Selection SETUP VIDEO AUDIO TIME Aspect Ratio Cinema 3:2 Mode Caption Caption/Text Caption Option Language ISM Method Low Power SETUP VIDEO AUDIO TIME Aspect Ratio Cinema 3:2 Mode Caption Caption/Text Caption Option Language ISM Method Low Power G English Español (Spanish) Français (French) OPTION G OPTION LOCK LOCK MENU Previous - The menus can be shown on the screen in the selected language. First select your language. 1 2 3 4 Press the MENU button and then use OPTION menu. Press the G D /E button to select the button and then use D /E button to select Language. Press the G button and then use D /E button to select your desired language.

From this point on, the on-screen menus will be shown in the selected language. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 32 Operation On Screen Menus Selection and Adjustment How to adjust the OSD screen 1. Press the MENU button and then 2. Press the G button and then use D /E button to select each menu.

button to display the available menus. D /E /F /G SETUP G VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID SETUP VIDEO G AUDIO TIME EZ Picture Contrast 85 Brightness 50 Color 50 Sharpness 50 Tint 0 Color Temperature Video Reset R G OPTION OPTION LOCK LOCK SETUP VIDEO AUDIO TIME Lock System Set Password Block Channel Movie Rating TV Rating-Children TV Rating-General Input Block SETUP VIDEO AUDIO TIME G OPTION OPTION LOCK G Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE 0 50 50 L R LOCK SETUP VIDEO AUDIO TIME Aspect Ratio Cinema 3:2 Mode Caption Caption/Text Caption Option Language ISM Method Low Power SETUP VIDEO AUDIO Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off TIME G OPTION G OPTION LOCK LOCK \* Note:

These functions are available in 42PC1D\*\*, 42PC3D\*\*, 50PC3D\*\* models only. . Your TV's OSD (On Screen Display) may differ slightly from what is shown in this manual. 33 Operation Setup Menu Options EZ Scan (Channel Search) SETUP G VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit

DTV Signal Input Source Input Label Set ID SETUP VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID G ANTENNA CABLE Selection ( G or ) leads you to the EZ scan screen. OPTION OPTION LOCK LOCK MENU Previous - Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.

- Run EZ Scan again after any Antenna/Cable connection changes. - A password is required to gain access to EZ Scan menu if the Lock System is turned on. 1 2 3 Press the MENU button and then use D /E button to select the SETUP menu. Press the G button and then use D /E button to select EZ Scan. Press the ENTER button to begin the channel search. Allow EZ Scan to complete the channel search cycle for ANTENNA, and CABLE. Manual Scan SETUP G VIDEO

AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID SETUP VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID G Select channel type and RF-channel number. TV 2 OPTION OPTION LOCK LOCK MENU Previous - A password is required to gain access to Manual Scan menu if the Lock System is turned on. 1 2 3 4 5 6 Press the MENU button and then use D /E button to select the SETUP menu. Press the G button and then use D Press the G button and then use D and CADTV.

Press the G button and then use ber you want to add or delete. /E /E button to select Manual Scan. button to select TV, DTV, CATV, D /E button to select channel num- Press the ENTER button to add or delete for the channel number.



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Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Mini Glossary TV DTV 34 Analog antenna (over-the-air) TV signal Digital antenna (over-the-air) TV signal CATV CADTV Analog cable TV signal Digital cable TV signal Operation Channel Edit SETUP G VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID SETUP VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID G Selection ( G or ) leads you to the channel edit screen. OPTION OPTION LOCK LOCK MENU Previous \* Custom List - There are two different ways in order to add or delete scanned channels. One is "Custom List" and the other is "Favorite List" in the channel list. Both of them are available after EZ Scan on the SETUP menu. - 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 color, and the channels deleted from the Custom List are displayed in gray color. Once a channel is highlighted you can add or delete the channel by referring to the small window at the top-left corner of the screen. You can create your own Favorite List. Use the FAV button on the remote control when a channel is highlighted and then you can add or delete the channel to/from the Favorite List. 1 2 3 4 Press the MENU button and then use D / E button to select the SETUP menu. Press the G button and then use D / E button to select Channel Edit. Press the G button. You will now see a screen filled with channel numbers and a preview picture. Use D / E / F / G button to select a channel and then use the ENTER button to add or delete it. Press FAV button to add the channel to the Favorite List. The heart-mark will appear in front of that channel number. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 5 35 Operation Setup Menu Options continued DTV Signal Strength SETUP G VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID SETUP VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID Bad G Normal Good OPTION OPTION LOCK LOCK MENU Previous - Shows how strong your DTV signal is and whether you need to adjust your antenna or digital cable input. The higher the signal strength, the less likely you are to experience picture degradation. - DTV Signals: Only when the input signal is DTV or CADTV, this function is available. 1 2 3 4 Press the MENU button and then use D / E button to select the SETUP menu. Press the G button and then use D / E button to select DTV Signal. View the on-screen signal strength monitor to see the quality of the signal being received. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Input Source SETUP G VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID G Antenna Cable AV1 AV2 Component1 Component2 RGB-PC HDMI/DVI OPTION OPTION LOCK LOCK MENU Previous - Changes the picture source so you can watch your TV, cable TV, VCR, DVD, or any other devices that are connected to your TV. 1 2 3 Press the MENU button and then use D / E button to select the SETUP menu.

Press the G button and then use D / E button to select Input Source. Press the G button and then use D / E button to select the source: Antenna, Cable, AV1, AV2, Component1, Component2, RGB-DTV (or RGB-PC), or HDMI/DVI. · To toggle RGB-DTV and RGB-PC, select RGB-DTV(or RGB-PC) and press G button. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 4 36 Operation Input Label SETUP G VIDEO AUDIO TIME EZ Scan Manual Scan Channel Edit DTV Signal Input Source Input Label Set ID G AV1 AV2 Component1 Component2 RGB HDMI/DVI Cable Box VCR DVD Set Top Box PC Game OPTION OPTION LOCK LOCK MENU Previous - Sets a label to each input source or lets you skip the input source which is not in use when you press INPUT button. 1 2 3 4 5 Press the MENU button and then use D / E button to select the SETUP menu. Press the G button and then use D / E button to select Input Label. Press the G button and then use D / E button to select the source: AV12, Component1-2, RGB or HDMI/DVI. Press the F / G button to select the label. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu.

37 Operation V ideo Menu Options EZ Picture - EZ Picture adjusts the TV for the best picture appearance. Select the preset value in the EZ Picture menu based on the program category. - When adjusting Video menu options (contrast, brightness, color, sharpness, tint, and color temperature) manually, EZ Picture automatically changes to Custom. - Daylight, Normal, Night Time, Movie, Video Game, and Sports settings are preset for optimum picture quality at the factory and are not adjustable. 1 4 7 2 5 8 0 3 6 9 FLASHBK EZ PIC EZ PIC EZ SOUND ADJUST APM SAP FREEZE 1 Press the EZ PIC button repeatedly to select the picture appearance setup option as shown below: Custom (your own settings), Daylight, Normal, Night Time, Movie, Video Game, and Sports.

· You can also adjust EZ Picture in the VIDEO menu. 2 Press the EXIT button to save and return to TV viewing. APM (Adaptive Picture Mode) Daylight Normal 4 7 5 8 0 6 9 FLASHBK Night Time Custom EZ PIC EZ SOUND SAP FREEZE APM ADJUST APM G F F G Navigate Select EXIT Exit - It allows a viewer to select their preferred mode after comparing picture (Daylight, Normal, Night Time and Custom) settings. - Note: While operating the 4-split, any button except APM, ENTER, EXIT, D / E / F / G, VOLUME D / E , MUTE button on the remote control are not available. 1 2 Press the APM button.

The screen is divided to 4-split. Press the D / E / F / G button to navigate 4 EZ Pictures. By pressing the ENTER button, you can select the desired mode. Press the EXIT button to save and return to TV viewing. 38 Operation Manual Picture Control (EZ Picture-Custom option) SETUP VIDEO G AUDIO TIME EZ Picture Contrast 85 Brightness 50 Color 50 Sharpness 50 Tint 0 Color Temperature Video Reset SETUP G VIDEO AUDIO R G Contrast E 90 F G TIME OPTION OPTION LOCK MENU Previous LOCK - Adjust the picture appearance to suit your preference and viewing situations. 1 2 3 4 Press the MENU button and then use D / E button to select the VIDEO menu.



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Press the G button and then use D / E button to select the desired picture option (Contrast, Brightness, Color, Sharpness, or Tint). Press the G button and then use F / G button to make appropriate adjustments. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Color Temperature Control SETUP VIDEO G AUDIO TIME EZ Picture Contrast 85 Brightness 50 Color 50 Sharpness 50 Tint 0 Color Temperature Video Reset SETUP VIDEO AUDIO R G TIME EZ Picture Contrast Brightness Color Sharpness Tint Color Temperature Video Reset G OPTION OPTION Previous Cool Medium Warm LOCK LOCK MENU - 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. 1 2 3 4 Press the MENU button and then use D / E button to select the VIDEO menu. Press the G button and then use D / E button to select Color Temperature. Press the G button and then use D / E button to select either Cool, Medium, or Warm. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Video Reset SETUP VIDEO G AUDIO TIME EZ Picture Contrast 85 Brightness 50 Color 50 Sharpness 50 Tint 0 Color Temperature Video Reset SETUP VIDEO AUDIO R G TIME EZ Picture Contrast Brightness Color Sharpness Tint Color Temperature Video Reset G OPTION OPTION Selection ( G or ) resets to the factory settings (default). LOCK LOCK MENU Previous - Use to quickly reset all the Video menu options to their original factory preset values. 1 2 3 Press the MENU button and then use D / E button to select the VIDEO menu. Press the G button and then use D / E button to select Video Reset. Press the G button to reset the Video menu options to original values.

39 Operation Audio Menu Options Audio Language SETUP VIDEO AUDIO TIME G OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE SETUP VIDEO 0 50 50 L R AUDIO TIME OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE MENU Previous G English Spanish French LOCK LOCK - Other languages may be available if a digital signal is provided by the broadcasting station. 1 2 3 4 Press the MENU button and then use AUDIO menu. D / E button to select the Press the G button and then use D / E button to select Audio Language. Press the G button and then use Spanish, or French. D / E button to select: English, Press EXIT button to return to TV viewing or press MENU button to return to the previous menu.

EZ SoundRite SETUP VIDEO AUDIO TIME G OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE SETUP VIDEO 0 50 50 L R AUDIO TIME OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE MENU Previous G Off On LOCK LOCK - Scans for changes in sound level during commercials, then adjusts the sound to match the specified audio level. EZ SoundRite makes sure that the volume level remains consistent whether you are watching a commercial or a regular TV program. 1 2 3 4 Press the MENU button and then use AUDIO menu. Press the G button and then use D Press the G / E D / E button to select the button to select EZ SoundRite. button to select Off or On.

button and then use D / E Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 40 Operation EZ Sound - EZ Sound lets you enjoy the best sound without any special adjustment because the TV sets the appropriate sound options based on the program content. - When adjusting sound options (treble, bass, and front surround) manually, EZ Sound automatically switches Custom. - Normal, Stadium, News, Music, and Theater are preset for good sound quality at the factory and are not adjustable. 1 4 7 2 5 8 0 3 6 9 FLASHBK EZ SOUND EZ PIC EZ SOUND ADJUST APM SAP FREEZE 1 2 Press the EZ SOUND button repeatedly to select the appropriate sound setup as shown below: Custom (your own settings), Normal, Stadium, News, Music, and Theater. - You can also adjust EZ Sound in the AUDIO menu. Press EXIT button to save and return to TV viewing. Manual Sound Control (EZ Sound-Custom option) SETUP VIDEO AUDIO TIME G OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE MENU Previous SETUP VIDEO 0 80 80 L R G AUDIO TIME Balance E 0 F L R G OPTION LOCK LOCK - Adjust the sound to suit your taste and room situations. 1 2 3 4 Press the MENU button and then use AUDIO menu. D / E button to select the Press the G button and then use D / E button to select the desired sound option (Balance, Treble, or Bass).

Press the G button and then use adjustments. F / G button to make appropriate Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 41 Operation Audio Menu Options continued Stereo/SAP Broadcasts Setup - This TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program; if the station transmits an additional sound signal as well as the original one. - When having selected Stereo or SAP button on the remote control, this TV can only receive the signal in case that the TV station transmits the proper signals. - Mono sound is automatically received if the broadcast is only in Mono; even though Stereo or SAP has been selected. - Select Mono if you want to listen to the mono sound in remote fringe areas during stereo/SAP broadcasting. - Stereo or SAP can be received in Analog channel. 1 4 7 2 5 8 0 EZ PIC EZ SOUND ADJUST APM SAP 3 6 9 FLASHBK SAP FREEZE 1 Use the SAP button to select your desired MTS mode in analog signal. Each time you press the SAP button, Mono, Stereo, or SAP appear in turn. - If other languages available on the digital signal, select them with the SAP button.

Press EXIT button to save and return to TV viewing. 2 Front Surround SETUP VIDEO AUDIO TIME G OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE SETUP VIDEO 0 50 50 L R AUDIO TIME OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE MENU Previous G Off 3D EchoSound System SRS TruSurround XT LOCK LOCK Labs, Inc. is a trademark of SRS 1 2 3 4 Press the MENU button and then use AUDIO menu. Press the Surround. G D / E button to select the - TruSurround XT technology is incorporated under license from SRS Labs, Inc.

- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.



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Mini Glossary SRS TruSurround XT button and then use D / E button to select Front Press the G button and then use D / E button to select Off, 3D EchoSound System or SRS (Sound Retrieval System) TruSurround XT. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Takes advantage of any multi-channel format without needing to add extra speakers or equipment.

Dialog clarity, bass enrichment, and the addition of stereo audio enhancement that produces an immersive sound experience from standard stereo material. 3D EchoSound System Creates a stunning simulated stereo effects from any mono sound and a realistic three-dimensional sound with a very wide and deep sound stage from stereo sound. 42 Operation TV Speakers On/Off Setup SETUP VIDEO AUDIO TIME G OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE SETUP VIDEO 0 50 50 L R AUDIO TIME OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE MENU Previous G Off On LOCK LOCK - Turn TV speakers off if using external audio equipment. Feature turns the TV Speakers option On or Off. 1 2 3 4 Press the MENU button and then use AUDIO menu. Press the Press the G G D / E button to select the button and then use button and then use D / E D / E button to select TV Speaker. button to select Off or On. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. BBE SETUP VIDEO AUDIO TIME G OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE SETUP VIDEO 0 50 50 L R AUDIO TIME OPTION Audio Language EZ SoundRite EZ Sound Balance Treble Bass Front Surround TV Speaker BBE MENU Previous G Off On LOCK LOCK - BBE High Definition Sound restores clarity and presence for better speech intelligibility and music realism. 1 2 3 4 Press the MENU button and then use AUDIO menu.

Press the Press the G G D / E button to select the button and then use button and then use D / E D / E button to select BBE. button to select Off or On. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. · Manufactured under license from BBE Sound, Inc. 43 Operation Time Menu Options Auto Clock Setup SETUP VIDEO AUDIO TIME G Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off SETUP VIDEO AUDIO TIME Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off G Off On Time Zone Daylight Saving Eastern Auto OPTION OPTION LOCK LOCK MENU Previous - The time is set automatically from a digital channel signal. - The digital channel signal includes information for the current time provided by the broadcasting station. - Set the clock manually, if the current time is set incorrectly by the auto clock function. 1 2 3 4 Press the MENU button and then use D / E button to select the TIME menu. Press the Press the G G button and then use button and then use D / E D / E button to select Auto Clock. button to select On.

Press the G button and then use D / E button to select your viewing area time zone. · U.S.A.: Eastern, Central, Mountain, Pacific, Alaska, or Hawaii. · Canada: Eastern, Central, Mountain, Pacific, Nfld, or Atlantic.

Press the G button and then use D / E button to select Auto, Off, On, depending on whether or not your viewing area observes Daylight Saving time. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 5 6 Manual Clock Setup SETUP VIDEO AUDIO TIME G Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off SETUP VIDEO AUDIO TIME Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off G Year Date Time --- -- / - : -- -- OPTION OPTION LOCK LOCK MENU Previous - If current time setting is wrong, reset the clock manually. 1 2 3 4 Press the MENU button and then use D / E button to select the TIME menu. Press the Clock.

G button and then use D / E button to select Manual Press the G button and then use F / G button to select either the year, date, or time option. Once selected, use the D / E button to set the year, date, and time options. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu.

44 Operation On/Off Timer Setup SETUP VIDEO AUDIO TIME G Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off SETUP VIDEO AUDIO TIME Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off G Off On Time Ch. Vol 6 : 30 AM TV 2-0 17 OPTION OPTION LOCK LOCK MENU Previous - Timer function operates only if current time has been set. - Off-Timer function overrides OnTimer function if they are set both set to the same time. - The TV must be in standby mode for the On-Timer to work. - If you do not press any button within 2 hours after the TV turns on with the On Timer function, the TV will automatically revert to standby mode. 1 2 3 4 5 6 Press the MENU button and then use D / E button to select the TIME menu. Press the G button and then use D / E button to select Off Timer or On Timer.

Press the G button and then use D / E button to select On. · To cancel On/Off Timer function, select Off. Press the Press the G G button and then use button and then use D / E D / E button to set the hour. button to set the minutes. For only On Timer function Press the G button and then use D / E button to select the channel at turn-on. Press the G button and then use D / E button to set the sound level at turn-on. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 7 Sleep Timer - The Sleep Timer turns the TV off at the preset time. Note that this setting is cleared when the TV is turned off. - You can also set up the Sleep Timer in the TIME menu.

DAY DAY+ 1 2 3 4 Press the TIMER button repeatedly to select the number of minutes. First the Off 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 TIMER button. The timer begins to count down from the number of minutes selected. To check the remaining minutes before the TV turns off, press the TIMER button once.

To cancel the Sleep Timer, press the TIMER button repeatedly to select Off. MENU GUIDE RATIO ENTER EXIT TIMER TIMER CC PAGE INFO 45 Operation Time Menu Options continued Auto Off SETUP VIDEO AUDIO TIME G Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off SETUP VIDEO AUDIO TIME Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off If set to On and there is no input signal, the TV turns off automatically after 10 minutes.



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