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You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH RU-27FB31C. You'll find the answers to all your questions on the ZENITH RU-27FB31C in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZENITH RU-27FB31C
User guide ZENITH RU-27FB31C
Operating instructions ZENITH RU-27FB31C
Instructions for use ZENITH RU-27FB31C
Instruction manual ZENITH RU-27FB31C



Installation and Operating Guide | Warranty

Model Number | **RU-27FB30C**
RU-27FB31C

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.

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Internet Home Page : <http://www.lgcommercial.com>
P/N : 3828VA0524A (FCN Chassis)



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Manual abstract:

Record model number and serial number of the set. @@@@NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. **WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**

POWER CORD POLARIZATION: CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert. **ATTENTION:** Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond. **NOTE TO CABLE/TV**

INSTALLER: This reminder is provided to call the cable TV 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 when the equipment is operated in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following Measures: · Reorient or relocate the receiving antenna. · Increase the separation between the equipment and receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for help. **CAUTION:** Do not attempt to modify this product in any way without written authorization from LG Electronics Corporation. Unauthorized modification could void the user's authority to operate this product. **COMPLIANCE:** The responsible party for this product's compliance is: LG Electronics U.S.A., Inc. 1000 Sylvan Avenue, Englewood Cliffs, NJ 07632. **2-WIRE COMM-WARN B-2/02 1-201-816-2000** © Copyright 2005 LG Electronics Corporation **IMPORTANT SAFETY INSTRUCTIONS** Important safeguards for you and your new product. Your product has been manufactured and tested with safety in mind.

However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into the new product, please read and observe the following safety points when installing and using the new product, and save them for future reference. Observing the simple precautions discussed in this guide can help get and enjoy many years of safe operation that are built into your new product. This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association. 1. Read Instructions All the safety and operating instructions should be read before the product is operated. 2. Follow Instructions All operating and use instructions should be followed.

3. Retain Instructions The safety and operating instructions should be retained for future reference. 4. Heed Warnings All warnings on the product and in the operating instructions should be adhered to. 5.

Cleaning Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. 6. **Water and Moisture** Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. **Accessories, Carts, and Stands** Do not place this product on a slippery or tilted surface, or on an unstable cart, stand, tripod, bracket, or table. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. 8. **Transporting Product** A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn. 9. **Attachments** Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. **Ventilation Slots and openings in the cabinet** are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. 11. **Power Sources** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions. 12. **Power Cord Polarization** This product is equipped with a polarized alternatingcurrent power plug (a plug having one blade wider than the other).

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. **Power Cord Protection** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product. 14. **Outdoor Antenna Grounding** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges.



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Article 810 of the National Electrical Code (U.

S.A.), ANSI/NFPA 70 provides information with regard 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. PORTABLE CART WARNING (Continued on next page) Page 3 IMPORTANT SAFETY INSTRUCTIONS (Continued from previous page) Example of Grounding According to National Electrical Code Instructions Ground Clamp Antenna Lead in Wire Antenna Discharge Unit (NEC) Section 810-20 Electric Service Equipment Grounding Conductor (NEC Section 810-21) Ground Clamps NEC - National Electrical Code Power Service Grounding Electrode System (NEC Art 250, Part H) 15. Lightning For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line Surges. 16. Power Lines An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal. 17.

Overloading Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock. 18. Object and Liquid Entry Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. 19. Servicing Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. 20. Damage Requiring Service Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: a. If the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product. c. If the product has been exposed to rain or water. d.

Following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation. e. If the product has been dropped or the cabinet has been damaged. f.

If the product exhibits a distinct change in performance. 21. Replacement Parts When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards. 22. Safety Check Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition. 23. Wall or Ceiling Mounting The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product. 24.

Heat The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. 25. 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.

26. Outdoor use Marking WARNING - To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. 27. Wet Location Marking Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. Page 4 TABLE OF CONTENTS Use this pNEL (UP/DOWN) Selects next available channel and the video channel.

FM TV/ TV/FM Selects TV or Radio operation on TVs equipped with FM radio. VOLUME (DOWN/UP) Adjusts the sound level. UM VOL E 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + ENTER Press to view the Channel/Time display or to remove any on-screen display or menu. TIMER Press repeatedly to select preset TV turnoff time from 10 minutes up to 4-hours. Sets AM or PM in the Clock/Alarm menus.

MENU/SELECT/ADJ (ADJUST) Adjusts on-screen menus and options. Press MENU repeatedly to scroll through menus. Use SELECT to choose an option and ADJ (adjust) Left/Right to change the selected option. NUMBER KEYPAD Used to key-in numbers and select channels directly; keyin channel numbers and press ENTER to go to the new channel. TIMER MENU ALARM SELECT CH PREVIEW ALARM Press to go to the Alarm menu. Set a time for the TV to turn itself on. ADJ ADJ Remote Control part number LP702 124-213-04 CHANNEL PREVIEW Gives installer access to the Guest's menus. Displays the available TV channels and hotel guest's Parental Control menu (if active). Selects the Video source. (Use the Audio/Video jacks on the back of the TV as the source of the picture and Sound.

) Page 7 Connections/Installation Overview Use this page for reference when connecting source equipment. To hookup source equipment, refer to the next page; shows pages to go to for equipment hookup options. Also, see the front connections panel hookup options on page 19. MATRIX Use to hookup external speaker. COMPONENT VIDEO INPUT Pr, Pb, Y, R-L AUDIO Connection for standard component video equipment or DVD player. DVD Player, 480i, SDTV Set top Box, 480i Typical TV Back Matrix Out ANTENNA/CABLE Use to hookup your antenna or cable system. Antenna Cable Pr Component Video Input Pb R Audio L Y M.P.I. PORT Use with Clone Programmer Video In R Audio In L M.

P.I. S-Video In R Audio In L S-VIDEO IN R-L AUDIO IN Connect S-Video equipment to these jacks.



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VIDEO IN R-L AUDIO IN Use these input jacks to connect external audio/video equipment..

Page 8 Hookup Directory IMPORTANT!! Use this page to decide where you need to begin your setup. First, find the line below that best describes what you want to do, then go to that page number. Antenna Only If you are using an antenna and no other equipment, go to . . .

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..... page 10 Cable Only If you have cable service and no other equipment, go to

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.....

..... page 11 Cable TV Wall Jack In Out Cable Box Antenna with VCR If you are using an antenna and have a VCR, go to

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.....

... page 12 Cable and VCR If you have cable service and a VCR, go to . .

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... page 13 Cable TV Wall Jack In Out Cable Box S-Video/Speaker If you want to connect an S-Video VCR/DVD Player etc. .

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..... page 14 If you want to hook up a component video device .

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..... page 15 Send the TV sound to an external audio system or monaural speaker

... page 16 Page 9 Hook Up An Over-The-Air Antenna Connect an off-air antenna. 1 2 Locate the Antenna/Cable jack on the back of the TV.

Connect the antenna that runs from the wall directly to this jack, according to one of the connection diagrams shown to the right. Remove the back of the remote and put in two AA batteries. Antenna Typical TV Back Matrix Out Antenna Cable Pr Component Video Input Pb R Audio L 3 Flat wire (300 ohm) M.P.I.

Y Video In R Audio In L S-Video In R Audio In L Back of the Remote 4 Plug in your TV. This TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current. Typical TV Back Matrix Out Antenna Cable Pr Component Video Input Pb R Audio L 120 Volt 60 Hz AC M.P.I. Y Video In R Audio In L S-Video In R Audio In L If you have a 75 ohm RF cable, then you don't need any adapters! A 300 to 75 ohm adapter is not included with the LG TV. 300/75 ohm Adapter Mini Glossary 75 OHM RF CABLE 300 TO 75 OHM ADAPTER The wire that comes from an off-air antenna or cable service provider. Each end looks like a hex shaped nut with a wire sticking through the middle, and it screws onto the threaded jack on the back of the TV. A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack.

They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end. Page 10 Hook Up Cable Service (CATV) Connect cable service to the TV. 1 2 3 Locate the Antenna/Cable in jack on the back of the TV set. Connect the CATV cable that runs from the wall according to one of the connection diagrams shown to the right. Remove the back of the remote and install two AA batteries. Antenna Cable Cable TV Wall Jack Typical TV Back Matrix Out Component Video Input Pr Pb R Audio L Back of the Remote RF Coaxial Wire (75ohm) Y M.P.I. Video In R Audio In L S-Video In R Audio In L 4 Plug in the TV. The TV is designed to operate on standard current, 120-volt 60 Hertz AC.

Do not attempt to operate it on DC Current. Cable TV Wall Jack 120 Volt 60 Hz AC In Out Cable Box output switch 3 4 Typical TV Back Matrix Out If you're using a cable box, tune the TV to channel 3 or 4 and use your cable box to change channels. If you're using a cable box, Auto Program might only find the channel your cable service is on (usually channel 3 or 4). Don't worry, that's all you need! Antenna Cable Pr Component Video Input Pb R Audio L Y RF Coaxial Wire (75 ohm) Video In R Audio In L M.P.

I. S-Video In R Audio In L Page 11 Hook Up Over-The-Air Antenna and VCR Connect your off-air antenna and VCR to the TV. 1 2 Locate the Antenna/Cable (In) jack on the back of the VCR. Connect the wire that runs from the antenna directly to this jack, according to one of the connection diagrams shown to the right..

Remove the back of the remote and put in two AA batteries. RF Coaxial Wire (75 ohm) Antenna 3 VCR Back In Back of the Remote 300/75 ohm Adapter output switch 3 4 Out Video Audio VCR Back AV Panel Plug in the TV. The TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current. Typical TV Back 120 Volt 60 Hz AC Antenna Cable Matrix Out Pr Component Video Input Pb R Audio L No A/V cables are included with the LG TV. Without A/V cables, most VCRs will not play videocassettes in stereo sound. Y M.P.I. Video In R Audio In L S-Video In R Audio In L Page 12 Hook Up Cable Service (CATV) and VCR Connect a VCR and Cable service to the TV.

Cable TV Wall Jack 1 2 Locate the Antenna/Cable (In) jack on the back of the VCR. Connect the CATV cable that runs from the wall directly to this jack, according to one of the connection diagrams shown at right. Remove the back of the remote and install two AA batteries. Typical TV Back In Out Cable Box output switch 3 4 VCR Back RF Coaxial Wire (75 ohm) In Out output switch 3 4 Video Audio 3 Back of the Remote Antenna Cable Matrix Out Component Video Input Pr Pb R Audio L A/V cables Not included with the TV 4 Plug in the TV. The TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC Current. Y M.P.I. Video In R Audio In L S-Video In R Audio In L Cable TV Wall Jack VCR Back 120 Volt 60 Hz AC RF Coaxial Wire (75 ohm) In Out output switch 3 4 Tune the VCR and television to channel 3 or 4 and use the cable box to change channels.

Typical TV Back Video Audio No A/V cables are included with your TV. Without A/V cables, most VCRs will not play videocassettes in stereo sound. Antenna Cable Matrix Out Component Video Input Pr Pb R Audio L Y M.P.I.

Video In R Audio In L S-Video In R Audio In L Page 13 Hook Up S-Video VCR/DVD Player Your LG TV may be connected to a Super-VHS VCR or DVD player through the S-Video Input located on the TV's connection panel. Use the TV's S-Video In jack to connect other S-Video type equipment. To use this equipment you must use the optional LP702 remote control, go to the Source menu on page 20. 1 Hook up your S-Video type VCR or DVD player to the TV according to the diagram. VCR Back 2 Remove the back of the remote and put in two AA batteries.

VCR Back AV Panel S-Video Out Back of the Remote Output Switch 3 4 Audio Out RL 3 Plug in your TV. The TV is designed to operate on standard current. Typical TV Back Matrix Out 120 Volt 60 Hz AC S-Video cables not included with TV Antenna Cable Component Video Input Pb Pr R Audio L Y M.P.I. Video In R Audio In L S-Video In R Audio In L Page 14 Hook Up Component Video The LG TV may be connected to a Component Video device like a DVD player or other component video source.



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To use this equipment you must use the optional LP702 remote control, refer to the Source menu on page 20. 1 Hook up your component video device according to the diagram at the right. Remove the back of the remote and install two highquality alkaline AA batteries. DVD Player with Component Video 2 S-VIDEO OUT VIDEO R-AUDIO L-/MONO COMPONENT VIDEO OUT Y Y Pr Pb R L Back of the Remote 3 Plug in your TV.

The TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to operate it on DC power. Y Typical TV Back 120 Volt 60 Hz AC Matrix Out Antenna Cable Component Video Input Pb Pr R Audio L Y M.P.I. .I. Video In R Audio In L S-Video In R Audio In L Page 15 External Monoaural Speaker Hook Up Send the sound from the TV to an external speaker. To use this hook up, see your external amplifier instruction manual. 1 Audio Output: Use the Matrix Out jack to connect an external monoaural speaker or amplifier to the TV.

Speaker Back Audio In Typical TV Back Matrix Out Antenna Cable Component Video Input Pb Pr R Audio L A/V cables not included with TV Y M.P.I. Video In R Audio In L S-Video In R Audio In L Page 16 Auto Program (Channel Search) Use Auto Program to specify over-the-air Antenna or Cable Service incoming signal source and automatically store all of the channels found by the channel search in non-volatile memory. SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH.

LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE TO PROGRAM 1 2 3 4 5 6 7 With the optional LP702 Installer's remote control in hand, press POWER to turn the TV on. Press MENU repeatedly until the Setup menu appears. Using SELECT on the remote control, highlight Auto Program on the screen. Press the Right or Left ADJ arrow to go to the Auto Program menu. Using SELECT, choose either Cable TV or OffAir Antenna on your screen.

Press the Right or Left ADJ arrow to begin the Channel Search. Press ENTER when the channel search is complete. 1 POWER CC FLSHBK MUTE FM TV/ U VOL ME 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + 7 TIMER MENU ALARM Auto Program finds channels being received by the TV tuner. Cable will not work unless you subscribe to a cable service. Once the channel search is complete, use the features on the following pages to: Add/delete channels, Include channel labels, so that they appear on the channel/time/audio display. Choose from the preset label selections or make custom labels. Use your own names to more easily identify the station/network providing the Program. 2 ADJ SELECT CH PREVIEW ADJ 3/5 4/6 Mini Glossary OFF AIR ANTENNA: If only over-the-air channels are available, select Off-Air Antenna. CABLE: If you subscribe to a cable service, select Cable. Page 17 Front Panel Controls/Source Inputs Using the front panel controls to operate the TV.

On/Off Turns TV on and off. CC (Captions/Text) Turns selected caption/text option on and off. Menu To display on screen menus. Volume (Left/Right) Decreases/increases sound level. Channel (Down/Up) Chooses next available channel. R - Audio - L (In) Right/Left Channel audio input jacks. MENU CC A B A ON/OFF C D E F Typical TV Front Panel VOL CH R-AUDIO-L VIDEO S-VIDEO G Video (In) Input for a video signal from auxiliary equipment. S-Video (In) Input for an S-Video signal from S-Video (Y-C) equipment. H C B D E F G H H Typical Front Panel Control The front Video jacks are Auto Sense source connections. With cables connected, the TV will automatically change its source setting to CAMPORT, or FRNT Y/C (Front S-Video) as indicated on the channel-time display.

If you have a device connected to the front Video or S-Video jack and the Auto sense source connection is turned on, you will not be able to change channels using the TV tuner until you have disconnected the device. The front Video input jack has a priority over the front S-Video input jack. If you have cables connected to both the front Video jack and the front S-Video jack (and the Auto sense source connection is turned on in the Installer menu), only the image from the front Video input will be displayed. Page 18 Picture/Sound Source Selection Note: The Installer, by changing options in the service menu, can change the default setup and determine what source connections are available. · Auto Source Sense connections, front video inputs Camport and S-Video (Y-C), override all other source inputs.

The Auto Sense feature is factory preset to be on; for both front video inputs. · The Source menu shows what picture and sound sources are available. Camcorder Typical TV Back R-Audio - L Video In S-V ideo VCR R-AUDIO VIDEO AUDIO/V IDEO OUT -L Matrix Out S-Video R-AUDIOL AUDIO/S -VIDEO S-VIDEO OUT Front/Rear Connection Panels Antenna Cable Component Video Input Pr Pb R Audio L Y M.P.I. Video In R Audio In L DVD S-VIDEO OUTPU R-AUDIOL T S-Video In R Audio In L Audio/Video AUDIO/ R-AUDIO- O VIDEO OUT L VIDE 1 Hook up a device to front Video/Audio In, to use this Auto Sense source, disconnect when finished. To access other available sources, use the Source menu or use Channel Up/Down to select AUX input. Note: The rear Video/Audio In jacks can also be selected by keying in 999 on the remote number keypad. Component Video R -AUD IO-L COM PO Y NENT Pr VIDEO Pb Typical Accessory Equipment 2 Connectable Sources See pages 9-16 Antenna/Cable Camport (Front Video input) Front S-Video Aux Video (Rear Video inputs) Rear S-Video Component Video Auto Sense source connections override all other sources. The front Video and SVideo In jacks are Auto Sense source connections. If you have devices connected to these jacks, you will not be able to change channels using the TV tuner until you have disconnected those devices. Page 19 Source Menu Selecting picture and sound sources. 1 Press MENU repeatedly on the optional LP702 Installer's remote until the Source menu appears. Choose the input source using SELECT. Press ENTER, or the Left/Right ADJ arrow to go to the selected source and to remove the menu.

Notes: · The selection of the sources appearing in the source menu may vary depending on the installation setup for Auto Sense sources in the Installer Menu. · If a source is not available, a message indicating this is a displayed. SOURCE MENU ANTENNA/CABLE CAMPORT F S-VIDEO R S-VIDEO COMP (YPrPb) REAR AUX. PRESS TO CHANGE PRESS ENTER OR TO ACTIVATE 2 3 POWER CC FLSHBK MUTE 1 FM TV / UME VOL 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + 3 TIMER MENU ALARM 1 ADJ SELECT CH PREVIEW ADJ 2 3 Mini Glossary SOURCE: Input(s) providing the picture and sound to the TV.



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AUTO SENSE SOURCE: Input(s) that the TV automatically switches to when connected. Page 20 On-Screen Menus/Displays Overview Descriptions of the menus and on-screen status displays. Using MENU and the other keys indicated on the optional Installer's remote, the user can access the menus/displays described below. **ON-SCREEN MENU Source Menu Setup Menu Auto Program Add/Del/Blk Channel Labels** 20 17 17 23 24 Selects input sources to see and hear on the TV. Adjusts the basic characteristics of the TV Automatically finds and stores active channels to scroll through using Channel Up/Down.

Manually pick and choose which active channels will appear when using Channel Up/Down.

Labels the channels with their network names (ABC, CBS, HBO, etc.). Creates custom channel labels. Allows the user to rename or change the source names. Sets the time on the TV.

Sets the TV's automatic turn On/Off times. Selects Caption/Text options. Adjusts the tilt if the set is moved and the image requires alignment. Improves the quality color image on the screen. Chooses the language the on-screen menus will appear in.

Customizes the sound. The options are: Bass, Treble, Balance, Audio Mode, Front Surround, SoundRite, Audio Pref. Customizes the picture. The options are: Contrast, Brightness, Color, Tint, Sharpness, Picture Pref. Allows user to block program content or the A/V sources for up to 99 hours, with the use of a password. Custom Ch Labels 25 Source Name Clock Set Timer Captions Tilt Degauss Language Audio Menu Video Menu Parental Control Menu 26 27 28 29 30 31 32 33 34 35 Other Menus and On-Screen Displays Volume Channel/Time Ch Preview Captions/Text Sleep Timer Ghost Channel Alarm 22 22 22 22 22 22 Shows current sound level setting; press VOLUME Up/Down to activate. Shows the current time, channel, video and type of incoming audio signal, or mute, and XDS* info; press ENTER to activate. Displays the available channels list; press CH PREVIEW. Turns selected Caption/Text option On and Off; press CC to activate. Sets the time the TV will turn off.

Shows the current channel number in red scrolling down the screen. Refer to Installer menu to turn off. Sets a time for the TV to automatically turn itself on. Page 21 Other Menus & On-Screen Displays Press the remote keys indicated below to access these menus and displays. Ch 25 - PBS 7:15 PM MONO 5 9 20 32 CHANNEL PREVIEW ----- VOLUME XDS Information As Available LENGTH 01:00 TIME LEFT 00:36 AUX - - 2 ---CH TO SELECT , ENTER TO QUIT CC FOR PARENTAL CONTROL Volume Display Press VOLUME. Shows sound level. Channel/Time/Audio Display Press ENTER. Shows selected channel or source, current time if the clock has been set, incoming audio signal, and XDS info if available on program. Ch Preview Menu Press CH PREVIEW. Displays list of the available TV Channels, AUX source, and provides access to the Parental Control menu.

21 SLEEP TIMER CC CAPTION 1 IS ON OFF PRESS TIMER Closed Captions Menu Press CC. Turns selected option on or off. See Caption/Text page to select options. Sleep Timer Menu Press TIMER. Shows remaining time before TV turns off.

Set a preset turn-off time from 10 minutes up to 4 hours. Ghost Channel Display Channel number appears in red on the right side of the picture and slowly scrolls downward. To disable Ghost Channel, see Installers menu. ALARM MENU TIME NOW 6:10 AM 3:11 PM TIMER PRESS DIGITS TO SET TIME TIMER TO SELECT AM/PM Alarm Menu Press Alarm. Sets a time for the TV to automatically turn itself on.

Page 22 Setting Add/Delete/Blank Channels Fine-tune the channel selection list. SETUP MENU 1 2 3 Press the MENU key on the Installer's remote so the Setup menu appears. Press SELECT repeatedly to highlight the Add/Del/Blk option. Using either the NUMBER keypad and ENTER or the Channel Up/Down arrow on the remote, select a channel. (If adding a deleted channel, you will need to use the NUMBER keypad and ENTER.) Using the Right/Left ADJ arrow, specify whether that channel is Added, Deleted, or Blank. AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE CH 44 ADDED 4 5 POWER To continue, select another channel and repeat Step 4. When you are finished, press ENTER to remove menu. Adding Aux, VCR 3, VCR 4, to the Channel Preview List.

Go to the Setup menu, select the Add/Del/Blk option. Use Channel Up/Down to select the option and choose Added. Note: If the option was turned off in the Service menu, you will have to reinstate it before it can appear as an option in the Channel Preview list. Note: You can specify Add, Delete or Blank for VCR3, VCR4, and Aux. Caution: If you delete CH3, VCR3 is also deleted, if you delete CH4, VCR4 is also deleted and vice versa. CC FLSHBK MUTE FM TV/ UME VOL 1 4 + NEL CHAN 2 5 8 3 6 9 ENTER + 3 7 0 3 3/5 TIMER MENU ALARM 1 ADJ SELECT CH PREVIEW ADJ 2 4 If you delete a channel, it isn't gone for good. Just select it using the NUMBER keypad on the remote, or add it later. Mini Glossary ADDED: DELETED: BLANK: Adds new channels to the list that the user can scroll through using Channel Up/Down. Removes channels for one reason or another from the channel scan list available using Channel Up/Down. Deletes the video but retains the audio, if present on a channel.

Page 23 Setting Preset Channel Labels Selecting channel names from the preset Channel Labels (See the next page to create your own custom channel labels). SETUP MENU 1 Using either the NUMBER keypad or the Channel Up/Down arrows on the optional Installer's remote, select a channel. Press MENU repeatedly on the optional LP702 Installer's remote until the Setup menu appears. Choose the Ch Labels option using SELECT. Pressing either the Right/Left ADJ arrow repeatedly, pick the label you want from the available selections; such as A & E.

To continue channel labeling, select another channel or if you are finished, press ENTER to remove menu. 2 3 4 5 AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE CH 32 ABC POWER CC FLSHBK MUTE FM TV/ UME VOL 1 4 + NEL CHAN 2 5 8 3 6 9 ENTER + 1 Some channels already provide a channel label which is included with the broadcast signal. Labeling the channels helps identify which familiar nationwide networks are available. i.

e., A & E - Arts and Entertainment, CNN News, ESPN - Sports, HBO - Movies and so on... 7 0 1 5 TIMER MENU ALARM 2 ADJ SELECT CH PREVIEW ADJ 3 4 Mini Glossary ----: NONE: The 4 dashes will allow a channel label to appear; if one is provided by the broadcaster. Prevents any channel label from appearing. LABEL: There is one programmable label each channel. This label can be customized with 5 characters spaces available for each label. Page 24 Creating Your Own Channel Labels Overview Channel Labels help the user identify the channel or network being viewed.



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In the Setup menu with the CH LABELS option highlighted, use the Adjust Left/Right arrow to scroll through the available channel labels, such as, A&E, AMC, ESPN, HBO, etc.

These are a series of alphabetically organized preset labels from which you can choose the more common networks. Use any of these or create custom labels. - - - -, The 4 dashes will allow a channel label to appear; if one is provided by XDS. (Extended data service). NONE, prevents any channel label from appearing. Every Channel has a programmable label that can be customized for your needs. Each programmable label has 5 characters spaces available. To Program a Channel Label First select a channel using the NUMBER keypad and ENTER or the Channel Up/Down arrow, on the optional Installer's remote control. (To select a deleted channel, use the NUMBER keypad and ENTER.) To program a channel label, go to the Setup menu and select CH LABELS. Use the Right/Left ADJ adjust arrow to scroll the available preset labels. Scroll past - - -, scroll past NONE, to go to the programmable label slot. Notice that the label appears with the title Label. Creating a Custom Channel Label Use Volume Up/Down to select the first letter space (space blinks). Use Channel Up/Down to change the character to one of the 255 characters available.

(A blank letter space is available if required, after the "!" Symbol.) SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CH 32 MYLAB SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE PRESS VOL UP/DN TO SELECT CHAR POWER CC FLSHBK MUTE E FM TV / U VOL ME - + NEL CHAN 1 4 7 0 2 5 8 3 6 9 ENTER + B C D TIMER MENU ALARM 2 ADJ SELECT CH PREVIEW ADJ A You can press and hold down Channel Up/Down to scroll through the available characters rapidly. In Channel Labels Mode, use the following keys to: A. Adjust Left/Right Moves to the next label.

- - move to the next or previous label. B. Volume Up/Down Selects character spaces - - move to the next or previous character space. C. Channel Up/Down Scrolls through the available characters. D. ENTER Accepts the custom channel label and remove the menu. E. MUTE Removes any custom label, inserts NONE', - - if any custom label character space is selected. Page 25 Source Name This menu allows the user to rename the source names.

SOURCE NAME CAMPORT F S-VIDEO R S-VIDEO COMP. Y Pr Pb AUX VIDEO CAMPORT 1 2 3 4 5 6 Press MENU repeatedly on the optional LP702 Installer's remote until the Source menu appears. Choose the Source Name using SELECT. Press ENTER, or the Left/Right ADJ arrow to go to the Source Name. PRESS VOL UP/DN TO SELECT CHAR POWER Press SELECT to choose the desired Source name, and then press ENTER to access. Use Volume Up/Down to select the first letter space (space blinks). Use Channel Up/Down to change the character to one of the 255 characters available. (A blank letter space is available if required, after the "!" Symbol). CC FLSHBK MUTE FM TV / U VOL ME - + NEL CHAN 1 4 2 5 8 3 6 9 ENTER + 5 1 7 0 6 3/4 TIMER MENU ALARM 1 ADJ SELECT CH PREVIEW ADJ 2/4 3 Page 26 Clock Setup (Auto/Manual) SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE CLOCK MENU TO SET CLOCK CLOCK SET TIME ZONE DAY. SAVING AUTOMATIC AUTOMATIC OFF ON AUTOMATIC EASTERN CENTRAL MOUNTAIN PACIFIC SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE CLOCK MENU TO SET CLOCK CLOCK SET TIME SET 10:43 AM MANUAL TIMER Clock Auto/Manual Operating Modes Setup On the optional LP702 Installer's remote, use MENU, SELECT, and the ADJ Left/Right arrows to choose and set up the Clock menu options. Use the number keypad, or the Left/Right ADJ arrows, to set the time. Use TIMER to set AM/PM. Clock Set Auto: TV automatically sets the time.

Time Zone: User can choose the time zone or have the TV set it automatically. Day. Savings: User can choose to have daylight savings adjust the clock time one hour, or have the TV adjust it automatically. Manual: User sets the time on the clock. Press ENTER repeatedly to remove menus. 1 4 7 0 2 5 8 3 6 9 ENTER E D TIMER MENU ALARM SELECT CH PREVIEW ADJ ADJ B C The clock can also be set using 24 hour "military time." For p.m. Settings add 1200. For example, to set 6:30 p.m., add 1200 to 630, = enter 1830. For Auto Clock Set to work, the TV must be tuned to a local PBS station. If the TV does not set the time, set the clock time manually. Clock time can be set using either the number keypad or the Left/Right ADJ arrows.

Use TIMER to set AM/PM. Mini Glossary A four-digit figure broken down into hours and minutes, used to enter the time when setting the clock or programming timers. HOURS First two digits that are entered when setting the clock or programming timers. MINUTES The last two digits that are entered when setting the clock or programming timers. TIMER Chooses AM or PM when setting the clock. Page 27 TIME On/Off Timers Setup SETUP MENU Set up On/Off Timers Note: On/Off Timers operate independently of each other. TIMER ON TIME OFF TIME 9:00 AM 7:00 PM ON TIMER TIMER AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE TO SET TIMER ON/OFF TIMER 1 On the optional LP702 Installer's remote, press MENU repeatedly until the Setup menu appears. Press SELECT repeatedly to highlight the Timer option, press the Left/Right ADJ arrow. Use SELECT to choose an option.

Use the number keypad and/or the Left/Right ADJ arrows to enter the times. Use the TIMER key to set AM/PM.. Press ENTER to remove menu and return to TV viewing. POWER CC FLSHBK MUTE FM TV/ 2 3 UME VOL 1 4 + NEL CHAN 2 5 8 3 6 9 ENTER + 3 7 0 3 4 4 3 Your options are: · On Time 1 Sets a time that the TV will turn itself On each day. · Off Time 2/3 Sets a time that the TV will turn itself Off each day. · On/Off Timer Enables or disables the On/Off Timer functions. (The On/Off Timer can be disabled but the settings will be retained.) The clock must be set before the Timers will function. TIMER MENU ALARM SELECT CH PREVIEW ADJ ADJ 2/3 The Off Timer can be used to turn the TV off at the preset time.

Note: The On Timer does not have to be set to use the Off Timer feature. Mini Glossary A four-digit figure broken down into hours and minutes, used to enter the time when setting the clock or programming timers. HOURS: First two digits that are entered when setting the clock or programming timers. MINUTES: The last two digits that are entered when setting the clock or programming timers. TIMER: Choose AM or PM with the TIMER button when setting the clock. Page 28 TIME: Captions (Caption/Text Setup) Set up Closed Caption Text options for the user.



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SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE CAPTIONS SETUP OPER. MODE SEL. CC TYPE CC CAPTION CC ON MUTE CAPTION LOCK ON, OFF ON, OFF ON, OFF QUICK/MUTE TO SET CAPTIONS CAPTION 1 CAPTION 2 CAPTION 3 CAPTION 4 TEXT 1 TEXT 2 TEXT 3 TEXT 4 SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH.

LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE CAPTIONS SETUP OPER. MODE SEL. CC TYPE CAPTION LOCK TO SET CAPTIONS STANDARD CAPTION 1 CAPTION 2 CAPTION 3 CAPTION 4 TEXT 1 TEXT 2 TEXT 3 TEXT 4 OFF ON, OFF Closed Captions/Text Operating Modes Setup On the optional LP702 Installer's remote, use MENU, SELECT, and ADJ (Left/Right) arrows to choose the Closed Captions/Text mode and to set up other menu options for the user. Quick/Mute When CC is pressed: User can only turn Captions On/Off. (If CC on Mute is On, shows captions option on mute.) (If locked, type is retained with Power On/Off.) When CC is pressed: User can choose a captions type. (If locked, type is retained with Power On/Off.) POWER CC FLSHBK MUTE TV/ FM UME VOL NEL CHAN 1 + 1 4 7 0 2 5 8 3 6 9 ENTER + Standard 2 TIMER MENU ALARM Press ENTER to remove menus. SELECT CH PREVIEW Standard closed captioning is available using the Caption 1 option.

Caption/Text are features which allow the TV to display the closed caption and/or text options if made available by the broadcaster. Availability and functionality of Caption/Text options are determined only by each broadcaster and may not be available in your area. Mini Glossary CAPTIONS: TEXT: The term for the words that scroll across the bottom of your TV screen; usually the audio portion of the program provided for the hearing impaired. The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster. Page 29 Tilt The picture on the set may tilt to left or right if the set is moved to another direction.

This function is to adjust the tilt. SETUP MENU 1 Press MENU repeatedly on the optional LP702 Installer's remote until the Setup menu appears. Use SELECT on the remote control, to highlight the Tilt option on your screen. Use the Left/Right ADJ arrow to adjust the tilt. Press ENTER to return to TV viewing.

2 3 4 AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE 00 POWER CC FLSHBK MUTE F TV/ M U VOL ME 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + 1 4 TIMER MENU ALARM 1 ADJ SELECT CH PREVIEW ADJ 2 3 Page 30 Operating Degauss Degauss the set if a magnetic influence has adversely affected the picture. This can be seen as uneven colors on the corners of the screen, stripes on the picture or lack of color purity. SETUP MENU 1 Press MENU repeatedly on the optional LP702 Installer's remote until the Setup menu appears. Use SELECT on the remote control, to highlight the Degauss option on your screen. Use the Left/Right ADJ arrow to select ON or OFF. After the degaussing function works, ON mode switches to OFF mode automatically. Press ENTER to return to TV viewing. 2 3 AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE ON 4 POWER CC FLSHBK MUTE FM TV / UME VOL 1 4 7 + NEL CHAN 2 5 8 3 6 9 ENTER + 1 Notes: Do not operate this function often because the life of the picture tube may be shortened.

If you cannot correct the screen condition by degaussing, try degauss again after about 4 minutes. 0 4 TIMER MENU ALARM 1 ADJ SELECT CH PREVIEW ADJ 2 3 Page 31 Language Menu Choose English, Spanish, (Español) or French (Francais) for the on-screen menus. SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS SOURCE NAME CLOCK SET TIMER CAPTIONS TILT DEGAUSS LANGUAGE ENGLISH POWER 1 On the optional LP702

Installer's remote, press MENU repeatedly until the Setup menu appears. Use SELECT on the remote control, to highlight the Language option on your screen. Use the Left/Right ADJ arrow to choose one of the following options: English, Spanish (Español) or French (Francais). Press ENTER to return to TV viewing. CC FLSHBK MUTE FM TV/ U VOL ME 1 4 + NEL CHAN 2 5 8 3 6 9 ENTER + 2 3 7 0 4 4 TIMER MENU ALARM 1 ADJ SELECT CH PREVIEW ADJ 2 3 Page 32 Audio Menu Set up the audio menu options for the end user. AUDIO MENU 1 2 On the optional LP702 Installer's remote, press MENU repeatedly until the Audio menu appears. Using SELECT on the remote control, highlight the audio option you want to change.

Choose from: · Bass: Increases/decreases lower-end sounds. · Treble: Increases/decreases higher-end sounds. · Balance: Allows you to put the sound more to the left or right channel. POWER BASS TREBLE BALANCE AUDIO MODE FRONT SURR SOUNDRITE AUTO PREF STEREO OFF OFF CUSTOM ·

Audio Mode: Choose from Stereo sound, Mono, or 2nd Audio/SAP. · Front Surround: Turns front surround on and off.

· SoundRite: Turns the uniform volume feature on and off. · Audio Pref: Selects Custom or Preset. CC FLSHBK MUTE FM TV / UME VOL 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + 3 4 Use the Left/Right ADJ arrow to adjust or change the option you have selected. Use SELECT to choose other Audio menu options, TIMER MENU ALARM 4 1 2 SELECT CH PREVIEW ADJ ADJ 3 Not all programming is broadcast in stereo sound or has 2nd Audio SAP. Mini

Glossary STEREO SOUND: Stereo (stereophonic) sound refers to audio that's divided into right and left sides.

MONO SOUND: Mono (monaural) sound is one channel of sound. On more than one speaker, all the speakers play the same audio. CUSTOM: Your own audio menu settings. PRESET: Resets audio menu values to their original settings. Page 33 Video Menu Use the Video Menu to customize the picture appearance. 1 On the optional LP702 Installer's remote, press the MENU key repeatedly until the Video menu appears. Your options are: · Contrast: Adjusts the level of difference between white and black in the TV picture. The more contrast, the brighter the picture appears. · Brightness: Increases or decreases amount of white in the TV picture. · Color: Adjusts levels of all colors in the TV picture.

VIDEO MENU CONTRAST BRIGHTNESS COLOR TINT SHARPNESS PICTURE PREF CUSTOM POWER · Tint: Adjusts the relative amounts of red and green in the picture. · Sharpness: Raises or lowers the definition of the picture. The lower the level, the softer the image will appear. · Picture Preference: Choose either Custom or Preset. Custom allows you to set the picture the way you want. @@@@The number of hours blocked are specified.



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@@@Sources option.) Or leave unblocked, then choose allowable ratings. @@How many hours do you want Parental Control to be active? You can set the Hours option for up to 99 hours. Select a password; in the Set Password option.

Use the number keys on the remote. @@@@Not for children under age 17. Strong elements of sex and/or violence. Not for children under age 17 under any circumstances. Strong sexual content.

Same as NC-17 rating. Note: LG Electronics Corporation is not liable for any program content that appears when using this rating system; as always, user discretion is advised. Page 36 Parental Control Menu After you have read the preceding page, follow instructions below to set up and activate Parental Control. 1 SOURCE MENU SETUP MENU AUDIO MENU VIDEO MENU PARENTAL CONTROL AUX BLOCK MPAA RATING AGE BLOCK CONTENT BLK SET HOURS SET PASSWORD LOCK ON OFF TO BLOCK TO BLOCK AGE BLOCK GENERAL CHILDREN UNBLOCKED PRESS CC TO RETURN CONTENT BLOCK DIALOG LANGUAGE SEX VIOLENCE F VIOLENCE NO RATING UNBLOCKED PRESS CC TO RETURN 2 As shown above with the Parental Control menu onscreen, use SELECT to highlight an option like Content Block, then press the Right ADJ arrow. Use SELECT, and the Left/Right ADJ arrows to select and adjust or set the rating for an option.

For Sex Scenes for example, use the "From TV-PG" setting. (See the Mini Glossary, Ratings Charts on this and the previous page for rating definitions). After you have selected and adjusted the parental control menu options to your preference: - Set the hours you want Parental Control active. - Set a 4-number password. - Set the Lock On/Off option to either on or off. No Rating means the broadcast does not include rating information. You can choose to block broadcasts without rating data. 3 0 ENTER TIMER MENU ALARM 4 SELECT CH PREVIEW ADJ ADJ 2/3 2/3 Mini Glossary TV PARENTAL GUIDELINE RATING SYSTEM General Audience Considered suitable for all audiences; children may watch unattended. TV-PG Parental Guidance Unsuitable for younger children, may contain: Suggested Suggestive Dialog, Bad Language, Sex, and Violence Scenes. TV-14 Parents Strongly Cautioned Unsuitable for children under 14, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.

TV-MA Mature Audience Only Adults only, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes. CHILDREN'S CLASSIFICATIONS TV-Y Children Considered suitable for all children under 7 years old. TV-Y7 Children 7 and over Considered suitable for children over 7, may contain Fantasy Violence Scenes. TV-G Page 37 Parental Control Menu Structure Unblocked Blocked AUX BLOCK MPAA RATING AGE BLOCK CONTENT BLK SET HOURS SET PASSWORD LOCK ON OFF Unblocked G & Above PG & Above PG-13 & Above R & Above NC-17 & Above X Unblocked TV-G & Above TV-PG & Above TV-14 & Above TV-MA TO BLOCK Unblocked TV-Y & Above TV-Y7 General Children Unblocked TV-PG & Above TV-14 Unblocked TV-PG & Above TV-14 & Above TV-MA Unblocked TV-Y7 Unblocked Blocked Dialog Language Sex Violence F Violence No Rating 00 Hours To Set Enter Code: - - - On Off Note: Reset Parental Control Block Hours to Zero and Cancel Password This provides the institution staff and the installer a means to reset the TV to normal operation, if a user has either forgotten the password or has left Parental Control Block active. On the installer's remote control, press and hold down MENU until the menu disappears (about 8 seconds). Immediately press 9, 8, 7, 6 and then CC. This will reset the Block Hours to Zero and cancel the current 4-number password. Make Parental Control restrictions permanent, with no preset or fixed hours time limit In the Installer's Menu, Item 84: PERMANENT BLK, 0 or 1. 0 Blocking restrictions always active, no time limit. 1 Restrictions limited to specified hours, 12 - 99.

Reset the Maximum Number of Parental Control Default Block Hours You can change the Block hours from the 12-hour default setting to up to 99 hours. In the Installer's Menu, item: 22-I MAX BLK HRS 12, use the ADJ Left/Right adjust arrow to set a different default number of hours. To Turn the Parental Control Feature Off/On In the Installer's Menu, Items: 21-I V-CHIP, 0 or 1, 51-I DIS. VCHIP M., 0 or 1 Options Setups for V-Chip Menu and Block Functions 21-I V-CHIP 51-I DIS.

VCHIP M. 0 0 No menu, no blocking. 0 1 No menu, no blocking. 1 0 Shows menu, Block functions. 1 1 No menu, Block functions.

Page 38 Installer Menu Use the Installer Menu to set up or change operational settings. See descriptions of the Installer items on the following pages. Accessing the Installer's Menu Installer's menu items can be accessed by using the optional LP702 installer's remote control. Just press and hold MENU (about 8 seconds) until the display changes, then press 9, 8, 7, 6, then ENTER. To exit the Installer's Menu, press ENTER again. Any changes you make will be stored in nonvolatile memory. The Installer's menu opens with item 0-I, INST. SEQ. Use the SELECT key to sequence through the available menu items. To change a setting use the Left/Right ADJ keys.

Using the Installer's Menu Items 0-I - 95-I are accessible only in the Installer's Menu. Their numbers, descriptions, ranges, factory default settings, and a place for listing any changes made onsite are given below and on the following pages. The Factory Menu that is intended for qualified service technicians only, is not shown (XX-F items). Normally Factory menu items do not require adjustment. INSTALLERS INSTALLER 1 INSTALLER 2 INSTALLER 3 INSTALLER 4 INSTALLER 5 INSTALLER 6 INSTALLER 7 V 1.17 Typical Installer Menu XX-F Menu Items (Not shown here) are service type adjustments and only qualified technicians having specialized test equipment should access them. Menu Item 0-I. 1-I. 2-I. 3-I.

4-I. 5-I. 6-I. 7-I. 8-I.

9-I. 10-I. 11-I. 12-I. 13-I.

14-I. 15-I. 16-I. 17-I. 18-I. 19-I. 20-I. 21-I. 22-I. 23-I.

24-I. 25-I. Function INSTALLER SEQ POWER MANAGE AC ON BAND/AFC STRT CHANNEL CHAN LOCK GHOST CH START VOLUME MIN VOLUME MAX VOLUME MUTE DISABLE KEY DEFEAT NOT USED SCAN MODE NOT USED SLEEP TIMER EN TIMER ALARM NOT USED NOT USED FEATURE LEVEL V-CHIP MAX BLK HRS CAPTION LOCK TEXT MODE FUNCTION PRE. Value Range Default Value 0-3 0 0-7 0 0/1 0 0-7 0 0 - 255 255 0/1 0 0/1 0 0 - 63, 255 255 0 - 63 0 0 - 63 63 0/1 0 0/1 1 0/1 0/1 0/1 0 1 1 1 Brief Description of Function and Comments Leave default set 0. Sets number of hours of no activity before auto shutoff. Set to 1 to enable auto turn on at power up. Tuning band. Channel at turn-on (255 last Ch). When set to 1, cannot tune from current channel. Set to 1 to enable Ghost Channel display.

Volume level at TV turn-on (Set 255 to retain last volume level). Minimum volume setting. Maximum volume setting. Set to 1 to disable mute function. Set to 1 to disable the front panel keyboard menu key Puts On-Off in Ch Up/Down sequence.



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Set to 1 to enable Sleep Timer. Set to 1 to enable Timer. Set to 1 to enable Alarm. 0/1 0/1 0 - 99 0/1 0/1 0-3 1 Zen 1 1 12 0 1 0 Leave default set 1 (1 Zen 1)
Set to 1 to enable V-Chip. Select number of Parental Control blocking hours.
Set to 1 to retain caption setting at turn off. Set to 1 to add Text option to closed caption menu. Controls channel preview in Pay-Per-View function menu.
Page 39 Installer Menu Installer Menu Items 26-I through 75-I 26-I. 27-I. 28-I. 29-I. 30-I. 31-I. 32-I.

33-I. 34-I. 35-I. 36-I. 37-I. 38-I. 39-I. 40-I. 41-I. 42-I.
43-I. 44-I. 45-I. 46-I. 47-I.
48-I. 49-I. 50-I. 51-I. 52-I.
53-I. 54-I. 55-I. 56-I. 57-I. 58-I. 59-I. 60-I. 61-I. 62-I.

63-I. 64-I. 65-I. 66-I. 67-I. 68-I. 69-I. 70-I. 71-I. 72-I.

73-I. NOT USED NOT USED CH. OVER RIDE OLD OCV ACK MASK POLL RATE TIMING PULSE Y/C LOOPOUT CAMPORT EN. SUP. PORT YUV
FRNT Y/C EN.
REAR Y/C EN. YPrPb EN. REAR VIDEO EN AUTO CAMPORT NOT USED AUTO FRNT Y/C NOT USED NOT USED NOT USED STRT AUX SRCE AUX
STATUS DIS. SETUP M. DIS.
AUDIO M. DIS. VIDEO M. DIS. VCHIP M. DIS. SOURCE M. DIS. CH-TIME M. EN.

SET. COL. FOR. SETUP M. BCK. SETUP M. EN. AUDIO COL. FOR. AUDIO M.
BCK AUDIO M. EN. VIDEO COL. FOR. VIDEO M.
BCK VIDEO M. EN. PTL. COL. FOR.
PTL. M. BCK. PTL. M. EN. SRC. COL. FOR SRCM BCK. SRC.

M. EN. CH-T COL. FOR. CH-T COL BCK. CH-T COL NOT USED CH NOT AVBLE 0/1 0/1 0/1 20 - 169 186 - 227 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 1 0 0
94 207 0 1 0 1 1 1 1 1 1 1 When set to 0, limits direct access to favorite channels. OCV should set to 1. M.P.I.
communication parameter. M.P.I. communication parameter.
M.P.I. communication parameter. Set to 1 to enable S-Video output.

Set to 1 to enable the front AUX (Camport) input. Reserved for future use. Set to 1 to enable the front S-Video input. Set to 1 to enable the rear S-Video input.
Set to 1 to enable the component input. Set to 1 to enable rear AUX video input. Set to 1 to automatically switch to Campport. Set to 1 to automatically switch
to front S-Video input. 0 - 2, 255 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0-7 0-7 0/1 0-7 0-7 0/1 0-7 0-7 0/1 0-7 0-7 0/1 0-7 0-7 255 0 0 0 0 0 0 0 6 4 0 1 7
0 4 7 0 6 4 0 3 4 1 1 1 Set the starting AUX source. Set to 1 for M.

P.I. AUX source reported as Channel number instead of Channel 0. Set to 1 to disable Setup menu. Set to 1 to disable Audio menu. Set to 1 to disable Video
menu. Set to 1 to disable V-Chip (Parental Control) menu. Set to 1 to disable Source menu. Set to 1 to disable Channel-Time display. Set to 1 to enable custom
color for Setup menu.

Custom foreground color for the Setup menu. Custom background color for the Setup menu. Set to 1 to enable custom color for the Audio menu. Custom
foreground color for the Audio menu. Custom background color for the Audio menu.

Set to 1 to enable custom color for the Video menu. Custom foreground color for the Video menu. Custom background color for the Video menu. Set to 1 to
enable custom color for the V-Chip (Parental Control) menu. Custom foreground color for the V-Chip (Parental Control) menu.

Custom background color for the V-Chip (Parental Control) menu. Set to 1 to enable custom color for the Source menu. Custom foreground color for the
Source menu. Custom background color for the Source menu. Set to 1 to enable custom color for the Channel-Time display. Custom foreground color for the
Channel-Time display. Custom background color for the Channel-Time display. When set to 1 and channel override is 0, "NOT AVAILABLE" message is
displayed when direct accessing a channel not in the favorite channel list. When set to 1 and transparent background is selected for ChannelTime display,
(foreground color = background color and custom color enabled) a large channel number is displayed instead of the normal Channel-Time display. When set
to 1 and loss of M.

P.I. communication occurs, TV tunes to Start Channel. 0/1 0 74-I. CH-TIME SIZE 0/1 0 75-I. REVERT CH 0/1 0 Page 40 Installer Menu Installer Menu Item
76-I through 95-I Menu Item 76-I. 77-I. 78-I. 79-I. 80-I.

81-I. 82-I. 83-I. Function DEFEAT XDS NOT USED UPN MSB UPN MSB-1 UPN MSB-2 UPN LSB CHKSM ERROR HANDSHK TIME Value Range 0/1 0 -
255 0 - 255 0 - 255 0 - 255 0/1 0-5 0/1 0 - 254 0 - 254 Default Value 0 255 255 255 255 0 0 0 35 40 Brief Description of Function and Comments When set to
1, XDS display program information will not appear. User programmable number, most significant byte.

(Line - Day) User programmable number, most significant byte - 1. (Week) User programmable number, most significant byte - 2. (SN-HIGH) User
programmable number, least significant byte. (SN-LOW) Enforces rigid M.P.

I.* checksum Relaxes M.P.I. timing to be compatible with PC based Windows controlled systems. Remove block hours setting for Parental Control and make
blocks permanent. Controls muting audio delay time when switching between AUX sources. Controls muting video delay time when switching between AUX
sources. When set to 1, the audio signal volume is limited to a minimum value while receiving no signal from the broadcaster. When set to 1, writing to Non -
volatile memory thru M.

P.I. Is enabled. When set to 1, frontal keyboard functionality is disabled. 84-I. PERMANENT BLK 85-I. A. MUTE TIME 86-I. V. MUTE TIME 87-I.
NOT USED 88-I. 89-I. 90-I. 91-I. 92-I.

93-I. 94-I. EN NOISE MUTE POKE ENABLE KEY LOCK NOT USED NOT USED NOT USED NOT USED 0/1 0/1 0/1 1 0 0 95-I. AUDIO MD DISP 0/1 1
When set to 1, Audio Mode Information is enabled to appear in the Channel Time Display. Detailed Descriptions of Installer Menu Items 0-I.

INSTALLER SEQUENCE 2-I. AC ON (AC Power Switchable) Gives access to Installer Menu depending on the code selected. 0 = 9876 1 = 4321 2 = 1478 3
= 3698 1-I. POWER MANAGE (Power Management) Determines hours of no activity before automatic shutoff. The POWER MANAGE function is for saving
energy. When set to 0, Power Manage is OFF. Settings range from 0 - 7, with 1 - 7 representing the hours that the TV will remain on, unless there has been
activity from either the control panel or remote control. Allows the TV to turn ON just by applying AC power. Pressing the ON button is not necessary. This is
desirable when the TV is plugged into a cable box or a power outlet controlled by a wall switch.

Use ADJ to select 0 or 1, where 0 is the default is OFF, and 1 is ON. NOTE: When set to 1 (ON), the TV does not respond to ON/OFF commands from either the remote or the control panel, and the SLEEP TIMER is also nonfunctional. 3-I. BAND/AFC (Band/Automatic Frequency Control) There are 8 possible settings for this option: 0 = Broadcast Fixed 5 = CATV Fixed 6 = HRC Fixed 7 = ICC Fixed 4 = Broadcast AFC 1 = CATV AFC 2 = HRC AFC 3 = ICC AFC *M.P.I. Multiple Protocol Input: LG protocol for remote control of TV through RJ11 (M.P.I.) jack on TV connections panel.
Page 41 Installer Menu Channels are accessed faster when fixed modes are used. The AFC (search modes) should only be used when some channels are not on nominal frequencies. NOTE: BAND is automatically set by AUTO PROGRAM. If some channels were not found by AUTO PROGRAM, select the appropriate AFC setting here and add the channels using the ADD/DEL option in the Setup Menu.



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