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You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH Z56DC1D. You'll find the answers to all your questions on the ZENITH Z56DC1D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZENITH Z56DC1D
User guide ZENITH Z56DC1D
Operating instructions ZENITH Z56DC1D
Instructions for use ZENITH Z56DC1D
Instruction manual ZENITH Z56DC1D

Installation and Operating Guide | Warranty

Model Numbers | Z52DC2D/Z56DC1D/Z62DC1D | DLP PROJECTION



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



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Manual abstract:

As an ENERGY STAR Partner LGE U.S.A., Inc. @ @NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.
@ @ @ @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 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. COMPLIANCE: The responsible party for this device compliance is:
Zenith Electronics Corporation 1-201-816-2000 Marked and Distributed in the United States by LG Electronics U.S.

A., Inc. 1000 Sylvan Avenue, Englewood Cliffs, NJ 07632 <http://www.zenith.com> Safety Instructions IMPORTANT SAFETY INSTRUCTIONS Important safety instructions shall be provided with each apparatus. This information shall be given in a separate booklet or sheet, or be located before any operating instructions in an instruction for installation for use and supplied with the apparatus. This information shall be given in a language acceptable to the country where the apparatus is intended to be used. The important safety instructions shall be entitled "Important Safety Instructions". The following safety instructions shall be included where applicable, and, when used, shall be verbatim as follows. Additional safety information may be included by adding statements after the end of the following safety instruction list.

At the manufacturer's option, a picture or drawing that illustrates the intent of a specific safety instruction may be placed immediately adjacent to that safety instruction : 1. Read these instructions. 2. Keep these instructions. 3. Heed all warnings. 4. Follow all instructions. 5. Do not use this apparatus near water.

6. Clean only with dry cloth. 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other.

A grounding type plug has two blades and a third grounding prong, The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 11. Only use attachments/accessories specified by the manufacturer. 12.

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. PORTABLE CART WARNING Owner's Manual 3 Safety Instructions 13.

Unplug this apparatus during lightning storms or when unused for long periods of time. 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has exposed to rain or moisture, does not operate normally, or has been dropped. 15. 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. 16.

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

17. 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. R R TruSurround XT is a trademark of SRS Labs, TruSurround XT Inc. 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. High-definition television. High-resolution digital television broadcast and playback system composed of roughly a million or more pixels, 16:9 aspect-ratio screens, and AC3 digital audio. A subset of digital television, HDTV formats include 1080i and 720p resolutions. HDMITM, the HDMI logo and HighDefinition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing." 4 DLP Projection TV Contents Warning/Caution

.....

.....

.....

.....2 Safety Instructions . . .

.....

.....

.....

.....3~4 Audio Menu Options Audio Language

.....

.....

.....

32 Auto Volume Leveler (EZ SoundRite)32 Auto Sound Control (EZ Sound) . . .

.....

32 Manual Sound Control (EZ sound-User Option) .33 Balance

.
.....

. .34 TV Speakers On/Off Setup

.
.....

.34 Time Menu Options Auto Clock Setup . .

.
.....

.35 Manual Clock Setup

.
.....

. .35 On/Off Timer Setup

.
.....

. . .36 Sleep Timer

.
.....

36 Auto Off

.
.....

.37 Option Menu Features Aspect Ratio Control

.
.....

. .38 Caption / Text

.
.....



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<http://yourpdfguides.com/dref/340870>

.....	
.....	
..	<i>.39 Caption Option Lock Menu Options Parental Lock Setup ..</i>
.....	
.....	<i>.42 Split Zoom .</i>
.....	
.....	
.....	
.....	<i>.43 EPG (Electronic Program Guide) (In DTV mode) ...</i>
	<i>43 Brief Info.</i>
.....	
.....	
	<i>44 Programming the Remote Programming Codes</i>
.....	
.....	
	<i>.45</i>
.....	
.....	<i>.40 Low Power</i>
.....	
.....	
.....	
...	<i>.40 Introduction Controls/Connection Options</i>
.....	
.....	<i>.6~9 Remote Control Key Functions ..</i>
.....	
..	<i>.11~12 Installation External Equipment Connections ...</i>
.....	<i>.13~18 Antenna Connection ...</i>
.....	
.....	
...	<i>.13 VCR Setup ..</i>
.....	
.....	
	<i>14 External A/V Source Setup</i>
.....	
	<i>.15 DVD Setup</i>
.....	
.....	
.....	<i>.15 HDSTB Setup .</i>
.....	
.....	
.....	
.....	<i>.16 AV Out Setup</i>
.....	
.....	
	<i>16 Digital Audio Output</i>
.....	
	<i>.17 PC Setup</i>
.....	
.....	
.....	<i>.18~20 Operation Turning the TV On ...</i>
.....	

.....51 Warranty . .

.....
.....

.....

... .52 After reading this manual, keep it handy for future reference.

Owner's Manual 5 Controls - This is a representation of the front panel of models Z56DC1D, Z62DC1D series TVs. - Here shown may be somewhat different from your TV. Front Panel Controls INPUT MENU ENTER VOL CH POWER Button INPUT Button ENTER Button CHANNEL (E, E D) Buttons Operation Indicator/ Lamp Indicator/ Temperature Indicator MENU Button FG VOLUME (F,G) Buttons Function Status Indicators - Lamp indicator, operation indicator, and temperature indicator located below the front panel controls, reveal the operating status of the DLP projection TV. Off Red Green Orange (blinking) Orange Red (blinking) Green (blinking) Orange Temperature Indicator Red Red (blinking) Power Cord is not connected. Power Cord is connected, TV is in standby mode.

TV turns on. Preparing operation in standby mode. Projection lamp is reaching the end of itsment. VIDEO Connects the video signals from any piece of equipment. AV IN 2 / AV IN 2 S-VIDEO A connection available on some very high-end equipment that provides better picture quality than video input. Mini glossary A/V CABLES Audio/Video cables. Three cable connector--Right audio (red), Left audio (white), and Video (yellow). A/V cables are used for stereo playback of videocassettes and for higher quality picture and sound from other A/V devices. A/V DEVICE Any device that produces video or sound (VCR, DVD, cable box, or television). 10 DLP Projection TV Remote Control Key Functions - When using the Remote Control, aim it at the remote control sensor on the TV.

MODE Select the remote operating mode: TV, VCR, Cable, DVD and Satellite Select other operating modes, for the remote to control external devices. TV MODE VCR CABLE DVD SAT LIGHT POWER INDICATOR LIGHTS Show active remote mode every time any button is pressed. INPUT Selects: Antenna, Cable, AVI, AV2, Component 1-2, RGB and HDMI/DVI input sources. INPUT RGB-PC TV INPUT TIMER INFO HDMI/DVI LIGHT Illuminates the Remote Control keys. 1 NUMBER KEYPAD For directize Wire · To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly. · If the antenna needs to be split for two TV's, install a "2Way Signal Splitter" in the connections. ANTENNA IN Signal Amplifier · If the antenna is not installed properly, contact your dealer for assistance. Note: The TV will let you know when the TV(analog antenna), DTV(digital antenna), CATV(analog cable) and CADTV(digital cable) channel scans are complete. VCR Setup Connection Option 1 Set VCR output switch to channel 3 or 4 and then tune the TV to the same channel number. AC IN CABLE IN ANTENNA IN Connection Option 2 1.

Connect the audio and video cables from the VCR's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to VCR, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red). If you connect an S-VIDEO output from VCR to the S-VIDEO input, the picture quality is improved; compared to connecting only the Video input. 2. Insert a video tape into the VCR and press PLAY on the VCR.

(Refer to the VCR owner's manual.) 3. Select the input source with using the INPUT button on the remote control. Note that this TV finds the connected input sources automatically for AV 1-2 and Component 1-2. COMPONENT IN 1 2 RGB IN Y VIDEO VIDEO PB AV IN 1 AV OUT RGB (PC/DTV) MONO (L) AUDIO (R) DIGITAL AUDIO OPTICAL OUT PR (L) AUDIO (L) AUDIO RGB/DVI (R) S-VIDEO (R) HDMI /DVI IN SERVICE ONLY 1 2 Do not connect to both AVI-2 and S-Video at the same time.

In the event that you connect both AV and the S-Video cables, only the S-Video will work. VCR Rear ANT OUT ANT IN S-VIDEO OUT VIDEO (R) AUDIO (L) OUTPUT SWITCH 3 4 IN 14 DLP Projection TV External A/V Source Setup How to connect Connect the audio and video cables from the external equipment's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to external equipment, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red). AV IN 1 AV OUT VIDEO Camcorder (L) (L) AUDIO (R) DIGITAL AUDIO OPTICAL OUT MONO How to use 1. Select the input source by using the INPUT button on the Remote Control. Note that this TV finds the connected input sources automatically for AV 1-2 and Component 1-2. It is presumed that RGB and HDMI/DVI sources are connected. 2. Operate the corresponding external equipment. (R) Video Game Set S-VIDEO R AUDIO L VIDEO HDMI /DVI IN DVD Setup How to connect 1.

Connect the DVD video outputs (Y, PB, PR) to the COMPONENT (Y, PB, PR) INPUT jacks on the TV and connect the DVD audio outputs to the AUDIO INPUT jacks on the TV, as shown in the figure. 2. If your DVD only has an S-Video output jack, connect this to the S-VIDEO input on the TV and connect the DVD audio outputs to the AUDIO INPUT jacks on the TV, as shown in the figure. Note: If your DVD player does not have component video output, use S-Video.



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ANTENNA G-LINK DIGITAL AUDIO OPTICAL OUT SERVICE RGB IN(PC/DTV) ONLY C a b l e C A R D DIGITAL AUDIO OPTICAL IN 1 (COMPONENT2) CABLE DIGITAL AUDIO OPTICAL IN 2 (DVI) XGA/ 480p/ 720p/ 1080i S-VIDEO COMPONENT IN 2 1 AUDIO IN(RGB/DVI) (L) Y AUDIO (R) PB (L) (MONO) AV OUT AV IN 2 AV IN 1 VIDEO IEEE-1394 IN AUDIO How to use 1. Turn on the DVD player, insert a DVD. 2. Use the INPUT button on the remote control to select Component 1 or Component 2. (If connected to S-VIDEO, select the AV1 or AV2 external input source.) 3. Refer to the DVD player's manual for operating instructions. HDMI IN 1 (DVI) (R) PR VARIABLE AUDIO OUT (L) AUDIO (R) HDMI IN 2 (L) AUDIO (R) Component Input ports To get better picture quality, connect a DVD player to the component input ports as shown below. Component ports on the TV Y Y Y Y Y PB PR or B R (R) AUDIO (L) DIGITAL AUDIO OPTICAL S-VIDEO (R) AUDIO (L) DVD Video output ports on DVD player Pr Pb B-Y R-Y Cb Cr PB PR Owner's Manual 15 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. - This TV supports HDCP (High-bandwidth Digital Contents Protection) protocol for Digital Contents (480p,720p,1080i).

How to connect Use the TV's COMPONENT (Y, PB, PR) INPUT, RGB, HDMI/DVI jack for video connections, depending on your set-top box connector. Then, make the corresponding audio connections. Signal Component 1/2 480i Yes 480p Yes How to use 720p Yes 1. Turn on the digital set-top box. (Refer to the owner's manual for the digital 1080i Yes set-top box.

) 2. Use INPUT on the Remote Control to select Component 1, Component 2, RGB-DTV or HDMI/DVI source. Note: HDMI(High Definition Multimedia Interface): Input that accepts uncompressed digital signal and multi channel digital audio signal. RGB-DTV,HDMI/DVI No Yes Yes Yes AV Out Setup The TV has a special signal output capability which allows you to hook up a second TV or monitor. AV IN 1 AV OUT VIDEO Connect the second TV or monitor to the TV's AV OUT. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings. Note · Component, RGB-PC/RGB-DTV, HDMI/DVI, DTV input sources cannot be used for AV out. (L) (L) AUDIO (R) DIGITAL AUDIO OPTICAL OUT MONO (R) S-VIDEO S-VIDEO IN (R) AUDIO (L) VIDEO HDMI /DVI IN 16 DLP Projection TV Digital Audio Output Send the TV's audio to external audio equipment (stereo system) via the Digital Audio Output (Optical) port. How to connect 1. Connect one end of an optical cable to the TV Digital Audio (Optical) Out port.

2. Connect the other end of the optical cable to the digital audio (optical) input on the audio equipment. 3. Set the " TV Speaker option - Off" in the AUDIO menu. Refer to page 33. See the external audio equipment instruction manual for operation. C A B L E C A R D AV IN 1 AV OUT VIDEO (L) MONO AUDIO (R) DIGITAL AUDIO OPTICAL OUT S-VIDEO DVI HDMI HDMI /DVI IN Caution: Do not look into the optical output port. Looking at the laser beam may damage your vision. Owner's Manual 17 PC Setup - This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings. - The TV perceives 640x480, 60Hz as DTV 480p based on the PC graphic card, change the screen scanning rate for the graphic card accordingly. When supporting RGB How to connect 1. Connect the PC to RGB INPUT port of this TV with a RGB cable. 2. If the PC(or the sound card of the PC) has an analog audio out-put connector, connect the PC's audio output to AUDIO INPUT port located on the right side of RGB INPUT port. COMPONENT IN 1 2 RGB IN Y VIDEO PB RGB (PC/DTV) PR How to use (L) (L) AUDIO RGB/DVI (R) 1.

To get the best picture quality, adjust the PC graphics card to 1024x768, 60 Hz. 2. Select RGB-PC input source in main input option of SETUP menu. Once you select RGB-PC in main input option of SETUP menu, INPUT button is also available for this purpose. AUDIO (R) SERVICE ONLY AUDIO RGB-PC OUTPUT When supporting DVI How to connect 1.

Connect the PC to HDMI/DVI port of this TV with an HDMI/RGB IN AV IN 1 AV OUT VIDEO RGB (PC/DTV) MONO to-DVI cable(not supplied with this product). 2. If the PC(or the sound card of the PC) has an analog audio output connector, connect the PC's audio output to AUDIO INPUT port located on the right side of RGB INPUT port. DIGITAL AUDIO OPTICAL OUT (L) AUDIO (R) (L) AUDIO RGB/DVI (R) S-VIDEO How To Use 1. To get the best picture quality, adjust the PC graphics card to 1024x768, 60Hz. 2. Select HDMI/DVI input source in main input option of SETUP menu. INPUT button is also available for this purpose. HDMI /DVI IN AUDIO DVI-PC OUTPUT - Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or bright ness in PC mode.

If noise is present, change the PC output to another resolution, change the refresh rate to another rate, adjust Phase Calibration using the ADJUST button or adjust the brightness and contrast on the VIDEO menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card. 18 DLP Projection TV Notes: - Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use. - When Source Devices connected with HDMI/DVI Input, output PC Resolution(VGA, SVGA, XGA), Position and Size may not fit to Screen. As shown the picture below, press the ADJUST button to adjust the screen Position of TV SET and contact a PC graphics card service center. - 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. - In case HDMI/DVI Source Devices is not connected Cable or poor cable connection, "No signal" OSD dis-play 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.

Monitor Display Specifications (RGB-PC or HDMI/DVI Mode) Resolution 640x350 Horizontal Frequency(KHz) 31.468 31.469 640x480 37.861 37.500 35.156 37.879 800x600 48.077 46.875 48.363 1024x768 56.476 60.023 Vertical Frequency(Hz) 70.09 59.94 72.80 75.00 56.25 60.31 72.18 75.00 60.00 70.06 75.02 RGB-PC Mode Only Owner's Manual 19 Screen Setup for PC mode Operation When RGB connect to PC input and select the RGB-PC in Main Input, this function is used.



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In RGB-PC mode, POSITION, SIZE, PHASE, RESET is available. In RGB-DTV mode, SIZE, PHASE is not available. In HDMI/DVI mode, POSITION, SIZE, RESET is available (When PC format is inputted) or any function is not available (When DTV format is inputted). Adjustment for screen Position, Size, Phase, Reset -After connecting RGB-PC or HDMI/DVI to PC input and checking the screen quality. - Display PC Adjust Menu using ADJUST button. - Position : Adjust the screen position. After displaying the Adjust, select the screen position.

- Size - Phase : Adjust the screen size. : Adjust the phase of Pixel clock. - Reset : Initializing Size, Position, Phase adjustment . POSITION SIZE G D F G E POSITION SIZE F D G E POSITION SIZE PHASE RESET G F E D G PHASE RESET PHASE RESET Adjust Close Adjust Previous Move Adjust Close POSITION SIZE F D G E POSITION SIZE PHASE RESET F POSITION Phase 0 G SIZE PHASE RESET Initialize Settings Yes No PHASE RESET Adjust Previous Size Adjust Previous FG Control Adjust Previous FG Move Select 20 DLP Projection TV Operation Turning the TV On * In this manual, the OSD (On Screen Display) may be different from your TV's because it is just an example to help you with the TV operation. Turning on the TV just after installation 1.

Connect power cord correctly. At this moment, the TV is switched to standby mode. 2. Press the POWER or CH (D / E) buttons on the TV front panel or press the POWER, INPUT, TV INPUT, CH (+ / -) or Number (0 ~ 9) buttons on the Remote Control to turn the TV on. Turning on the TV (power cord is still connected) 1.

If the TV is off without indicators on the TV · Check the power cable. 2. If the TV was turned off with the remote control and the POWER button on the TV · Press the POWER button on the TV or press the POWER, INPUT, TV INPUT, CH (+ / -) or Number (0 ~ 9) button on the Remote Control to turn the TV on. Notes: If you intend to be away on vacation, disconnect the power plug from the wall power outlet. Owner's Manual 21 TV Setup On-screen Menus Language Selection - The menus can be shown on the screen in the selected language. First select your language. Aspect Ratio Caption/Text Caption Option Language Low Power Aspect Ratio Caption/Text Caption Option Language Low Power G English Español (Spanish) Français (French) 1. Press the MENU button and then use 2. Press the G D E / E button to select the OPTION menu. button and then use D / button to select Language.

3. 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. 4. Channel Selection Press the CH (+ / -) or NUMBER buttons to select a channel number. @@To watch the Scramble channel, you must buy the separate cable box and apply for the subscription to the cable broadcasting station. Volume Adjustment 1. Press the VOL (+ / -) 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 (+ / -) button. 22 DLP Projection TV Setup Menu Options EZ Scan (Channel Search) - Automatically finds all available channels through antenna or cable inputs, and stores them in memory on the channel list. - Run EZ Scan again after any Antenna/Cable connection changes. EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label G Selection (G or) leads you to the EZ scan screen.

Processing EZ scan... ANTENNA Ch.20 0 channel(s) found Press to stop the current scan and start DIGITAL ANTENNA channel scan. Next MENU Previous 1. Press the MENU button and then use 2. Press the G button and then use 3. Press the G D /E button to select the SETUP menu. D /E button to select EZ Scan. button or ENTER button to begin the channel search. Allow EZ Scan to complete the channel search cycle for TV, DTV, CATV, and CADTV. Manual Scan - A password is required to gain access to Manual Scan menu if the Lock System is turned on. EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label G Select channel type and RF-channel number. D E TV G 2 TV 2-0 Press to delete the channel 1.

Press the MENU button and then use 2. Press the G button and then use 3. Press the G button and then use 4. Press the G button and then use D /E button to select the SETUP menu. D /E D /E D /E button to select Manual Scan. button to select TV/CADTV/CATV/DTV. button to select channel number you want to add or delete. 5. Press the ENTER button to add or delete for the channel number. 6.

Owner's Manual 23 Channel Edit Create two different types of channel lists in memory: "Custom List" and "Favorite List" from the default channel list created from the EZ Scan channel search. 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. EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label G Selection (G or) leads you to the channel edit screen. 1. Press the MENU button and then use 2. Press the G button and then use D /E button to select the SETUP menu.

D /E button to select Channel Edit. 3. Press the G button. You will now see a screen filled with channel numbers and a preview picture. 4. @@Press FAV button to add the channel to the Favorite List. 5. @@@@Press the MENU button and then use 2. @@@@4. @@@@Press the MENU button and then use 2.

@@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. 5. Input Label Sets a label to each input source which is in use when you press INPUT button. EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label EZ Scan Manual Scan Channel Edit DTV Signal Input Input Label G AV1 AV2 Component1 Component2 RGB HDMI/DVI Cable Box VCR DVD Set Top Box PC Game 1. Press the MENU button and then use 2. Press the G button and then use D /E button to select the SETUP menu. D /E button to select Input Label. button to select the source: AV1, AV2, Component1, Component2, RGB or 3. Press the G button and then use HDMI/DVI. D /E 4.

Owner's Manual 25 V ideo Menu Options Auto Picture Control (EZ Picture) EZ Picture adjusts the TV for the best picture appearance.



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Select the preset value in the EZ Picture menu based on the program category. Daylight, Normal, Night Time settings are preset for optimum picture quality at the factory and are not adjustable. In the User 1, and User 2 modes only, user can directly adjust the contrast, brightness, color, sharpness, tint. 1. @@2. @@@@2. Use the D / E / F / G button to navigate 4 EZ Pictures. @@@@Press the MENU button and then use 2. @@@@Press the MENU button and then use 2.

@@Press the G button and then use D 4. Press the G button and then use D button to select User . button to select Red, Green or Blue . 5. @@· The adjustment range of Red, Green or Blue is -20~ +20. 6. @@@@Press the MENU button and then use D 2. Press the 3. Press the G G /E button to select the VIDEO menu. @@@@Press the MENU button and then use 2.

Use the D /E button to make appropriate adjustments. 4. @@@@Press the MENU button and then use D 2. Press the 3. Press the G G /E button to select the VIDEO menu. @@Press the G button and then use D button to select On or Off . /E * Selecting the Black Level 4. Press the G button and then use D / E button to select Auto, Low or High. Auto Realizing the black level of the screen and set it to High or Low automatically. Low The reflection of the screen gets darker.

High The reflection of the screen gets brighter. 4. 30 DLP Projection TV V ideo Reset Use to quickly reset all the Video menu options to their original factory preset values. EZ Picture Color Temperature XD Advanced Video Reset EZ Picture Color Temperature XD Advanced Video Reset G Selection (G or) resets to the factory settings (default). 1.

Press the MENU button and then use D 2. Press the 3. Press the G G /E button to select the VIDEO menu. button to select Video Reset. button and then use D /E button to reset the Video menu options to original values.

Owner's Manual 31 Audio Menu Options Audio Language Other languages may be available if a digital signal is provided by the broadcasting station. Audio Language EZ SoundRite EZ Sound Balance TV Speaker Audio Language EZ SoundRite EZ Sound Balance TV Speaker G English Spanish French 1. Press the MENU button and then use D 2. Press the 3. Press the G G /E button to select the AUDIO menu. button to select Audio Language. button to select: English, Spanish, or French. button and then use button and then use D /E D /E 4. Auto Volume Leveler (EZ SoundRite) Volume Scans for changes in sound level during commercials, then adjusts the sound to match the specified audio level. SoundRite makes sure that the volume level remains consistent whether you are watching a commer-cial or a regular TV program.

Audio Language EZ SoundRite EZ Sound Balance TV Speaker Audio Language EZ SoundRite EZ Sound Balance TV Speaker G Off On 1. Press the MENU button and then use D 2. Press the 3. Press the G G /E button to select the AUDIO menu. button to select EZ SoundRite. button to select On or Off . button and then use button and then use D /E D /E 4. 32 DLP Projection TV Auto Sound Control (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. Normal,Stadium,News,Music and Theater are preset for good sound quality at the factory and are not adjustable. 1.

Press the EZ Sound button repeatedly to select the appropriate sound setup as shown below : Normal , Stadum , News , Music , Theater and User (your own settings) . · You can also adjust EZ Sound in the AUDIO menu. 2. Press EXIT button to save and return to TV viewing. Manual Sound Control (EZ Sound - User option) Adjust the sound to suit your taste and room situations.

Audio Language EZ SoundRite EZ Sound Balance TV Speaker BBE Normal Stadium News Music Theater User Treble Bass Front Surround G 50 50 Off G Selection (G or) leads you to the detailed setting screen. Press MENU to confirm. 1. Press the MENU button and then use D 2. Press the G /E button to select the AUDIO menu.

button to select EZ Sound. button and then use D /E 3. Press the G button and then use D / E button to select User. 4. Press the G button and then use D / E button to select the desired sound option (Treble, Bass or Front Surround). 5. Press the G button and then use F /G button to make appropriate adjustments. * Selecting the Front Surround Press the G button and then use F / G button to select Off, 3D EchoSound System or SRS(Sound Retrieval System)TruSurround XT . front Surround 3D EchoSound System 6. @@SRS TruSurround XT Takes advantage of any multi-channel format without needing to add extra speakers or equipment.

@@@@Press the MENU button and then use the AUDIO menu. 2. @@@@ TV Speaker On/Off Setup On/Off Turn TV speakers off if using external audio equipment. @@Press the MENU button and then use 2. Press the 3. @@button to select On or Off. 4. 34 DLP Projection TV T ime Menu Options Auto Clock Setup The time is set automatically from a digital channel signal. @@@@Press the MENU button and then use 2. Press the 3.

Press the 4. @@button to select On. button to select your viewing area time zone: Eastern , Central , Mountain , Pacific , Alaska , or Hawaii . 5. Press the G button and then use D / E button to set Daylight Saving Auto , Off or On , depending on whether or not your viewing area observes Daylight Savings Time. 6. Manual Clock Setup If current time setting is wrong, reset the clock manually. Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off G Year Date Time --- --/ - : -- -- 1. Press the MENU button and then use 2. Press the G D /E button to select the TIME menu.

button and then use D /E button to select Manual Clock . 3. 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. 4. Owner's Manual 35 On/Off Timer Setup On/Off Timer function operates only if current time has been set. Off-Timer function overrides On-Timer function if they are 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. Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off 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 1. Press the MENU button and then use 2. Press the 3. Press the G G D /E button to select the TIME menu. button and then use button and then use D /E D /E button to select Off Timer or On Timer . button to select On . button to set the hour. button to set the minutes. button to select the channel at turn-on. button to set the sound level at turn-on.



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· To cancel On / Off Timer function, select Off. 4. Press the G button and then use D / E 5. Press the G button and then use D / E 6. For only On Timer function Press the G button and then use D / E Press the G button and then use D / E 7.

Sleep Timer The Sleep Timer turns the TV off after a preset amount of 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. 1. 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. 2. When the number of minutes you want is displayed on the screen, press the ENTER button. The timer begins to count down from the number of minutes selected. 3. To check the remaining minutes before the TV turns off, press the TIMER button once. 4. To cancel the Sleep Timer, press the TIMER button repeatedly to select Off. 36

DLP Projection TV Auto Off If set to on and there is no input signal, the TV turns off automatically after 10 minutes. Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off Auto Clock Manual Clock Off Timer On Timer Sleep Timer Auto Off G TV will be automatically turned off, in case of No Signal for 10 minutes.

Off On 1. Press the MENU button and then use D / E button to select the TIME menu. 2. Press the G button and then use D / E button to select Auto Off. 3. Press the G button and then use D / E button to select On or Off. 4. Owner's Manual 37 Option Menu Features Aspect Ratio Control This feature lets you choose the way an analog picture with a 4:3 aspect ratio is displayed on your TV. When you receive an analog picture with a 4:3 aspect ratio on your 16:9 TV, you need to specify the picture is to be displayed. RGB-PC/DVI-PC input source use 4:3 or 16:9 aspect ratio.

1. Press the RATIO button repeatedly to select the desired picture format. · You can also adjust the Aspect Ratio in the OPTION menu. Set by program Selects the proper picture proportion to match the source's image. Zoom 1 Choose Zoom 1 when you want to view the picture with- (4:3 4:3) (16:9 16:9) out any alteration.

However, the top and bottom portions of the picture will be cropped. Set By Program Set By Program Zoom 1 4:3 Choose 4:3 when you want to view a picture with an original 4:3 aspect ratio. Zoom 2 Choose Zoom 2 when you want the picture to be altered, both vertically extended and cropped. The picture taking a halfway trade off between alteration and screen coverage. 4:3 16:9 Adjust the picture horizontally, in a linear proportion to fill the entire screen.

Zoom 2 Cinema Zoom 16:9 Choose Cinema Zoom when you want to enlarge the picture in correct proportion. Note: When enlarging or reducing the picture, the image may become distorted. Horizon The screen size is, more enlarged at both sides, to create a spectacular view. Cinema Zoom D1 Horizon I The adjustment range is 1-16. 38 DLP Projection TV Caption/Text Caption/Text Analog Broadcasting System Captions Select a caption mode for displaying captioning information if provided on a program. Analog caption displays information at any position on the screen usually the program's dialog. Text displays information, usually at the bottom position and is used for a data service, generally not program related. Caption/Text, if provided by the broadcaster, would be available for both digital and analog channels on the Antenna/Cable. This TV is programmed to remember the caption/text mode it was last set to, when you turn the power off. 1.

Use the CC button repeatedly to select Caption Off, CC1, CC2, CC3, CC4, Text1, Text2, Text3, or Text4. 2. Press EXIT button to save and return to TV viewing. · You can also use the OPTION menu to select Caption/Text. Aspect Ratio Caption/Text Caption Option Language Low Power Aspect Ratio Caption/Text Caption Option Language Low Power G Off CC 1 CC 2 CC 3 CC 4 Text 1 Text 2 Text 3 Text 4 1. Press the MENU button and then use 2. Press the G button and then use D 3. Press the G D / E button to select the OPTION menu. /E button to select Caption/Text. button to select caption: Off, CC1, CC2, CC3, CC4, Text1, Text2, Text3, or Text4.

button and then use D / E · CAPTION The term for the words that scroll across the bottom of the TV screen; usually the audio portion of the program provided for the hearing impaired. · TEXT The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster. 4. Digital Broadcasting System Captions Choose the language you want the DTV/CADTV Captions to appear in. Languages can be chosen for digital sources only if they are included on the program.

Aspect Ratio Caption/Text Caption Option Language Low Power Aspect Ratio Caption/Text Caption Option Language Low Power G Off English Spanish French 1. Press the MENU button and then use 2. Press the G button and then use D 3. Press the G D / E button to select the OPTION menu. /E button to select Caption/Text.

button to select available caption languages: English, Spanish, or French, Text4. button and then use D / E 4. @@Owner's Manual 39 Caption Option Customize the DTV/CADTV captions that appear on your screen. Aspect Ratio Caption/Text Caption Option Language Low Power Aspect Ratio Caption/Text Caption Option Language Low Power G Style Custom Size A Standard Font Font 0 Text Color White Text Opacity Solid Bg Color Black Bg Opacity Solid Edge Type None Edge Color Black 1. Press the MENU button and then use 2. Press the G button and then use D 3. Press the G D / E button to select the OPTION menu. /E button to select Caption Option. button to select Custom. button and then use D / E 4.

Use D / E button to customize the Style, Font, etc., to your preference. A preview icon is provided at the bottom of the screen, use it to see the caption language. · Size: Set the size the words will appear in. · Font: Select a typeface for the words. · Text Color: Choose a color for the text. · Text Opacity: Specify the opacity for the text color. · Bg (Background) Color: Select a background color. · Bg (Background) Opacity: Select the opacity for the background color. · Edge Type: Select an edge type.

· Edge Color: Select a color for the edges. 5. Low Power Low power reduces the plasma display power consumption. Aspect Ratio Caption/Text Caption Option Language Low Power Aspect Ratio Caption/Text Caption Option Language Low Power G Off On 1. Press the MENU button and then use 2. Press the 3. Press the G G D / E button to select the OPTION menu. button and then use button and then use D / E D / E button to select Low Power. button to select On or Off. · When you select On, the screen darkens.



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4. @@@40 DLP Projection TV Lock Menu Options Parental Control can be used to block specific channels, ratings and other viewing sources. The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcasting station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period. To use this function, the following must be done : 1. Set ratings and categories to be blocked. 2. Specify a password 3.

Enable the lock V-Chip rating and categories Rating guidelines are provided by broadcasting stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only. Ratings for Movies previously shown in theaters: Movie Ratings : · Blocking Off (Permits all programs) · G (General audience) · PG (Parental guidance suggested) · PG-13 (Parents strongly cautioned) · R (Restricted) · NC-17 (No one 17 and under admitted) · X (Adult only) If you set PG-13 : G and PG movies will be available, PG-13, R, NC-17 and X will be blocked. Ratings for Television programs including made-for-TV movies : · TV-G · TV-PG · TV-14 · TV-MA · TV-Y · TV-Y7 (General audience) (Parental guidance suggested) (Parents strongly cautioned) (Mature audience only) (All children) (Children 7 years older) (applies to TV-Y, TV-Y7) (applies to TV-Y7) TV Rating-Children: · Age · Fantasy Violence TV Rating-General: · Age (applies to TV-G, TV-PG, TV-14, TV-MA) · Dialogue- sexual dialogue (applies to TV-PG, TV-14) · Language- adult language (applies to TV-PG, TV-14, TV-MA) · Sex- sexual situations (applies to TV-PG, TV-14, TV-MA) · Violence (applies to TV-PG, TV-14, TV-MA) Input Block · AVI, 2, (On, Off) · Component 1, 2 (On, Off) · RGB or HDMI/DVI (On, Off) Owner's Manual 41 Parental Lock Setup Set up blocking schemes to block specific channels, ratings, and external viewing sources. A password is required to gain access to this menu. Lock System Set Password Block Channel Movie Rating TV Rating-Children TV Rating-General Input Block Lock System Set Password Block Channel Movie Rating TV Rating-Children TV Rating-General Input Block G Off On 1. Press the MENU button and then use D / E button to select the LOCK menu. Then, press the button. · Enter the password as requested.

· The TV is set up with the initial password "0-0-0-0". G 2. Use the D / E button to choose from the following Lock Menu options. Once the option is selected, change the settings to your preference. · Lock System: Activates or disables the blocking scheme you set up previously.

· Set Password: Change the password by inputting a new password twice. · Block Channel: Select a channel number that you wish to block. · Movie Rating (MPPA): Blocks movies according to the movie ratings limits specified, so children cannot view certain movies. You can set the ratings limit by blocking out all the movies with the ratings above a specified level. Keep in mind that the movie ratings limit only applies to movies shown on TV, not TV programs, such as soap operas.

· TV Rating-Children: Prevents children from watching certain children's TV programs, according to the ratings limit set. The children rating does not apply to other TV programs. Unless you block certain TV programs intended for mature audiences in the TV Rating - sub menu, your children can view those programs. · TV Rating-General: Based on the ratings, blocks certain TV programs that you and your family do not want to view. · Input block: Enables you to select a source to block from the external source devices you have hooked up. 3. Note: If you ever forget your password, key in '7', '7', '7', '7' on the remote control. 42 DLP Projection TV Split Zoom (DTV 720p, or 1080i mode only) - Enlarges the picture with correct proportions. - When enlarging the picture, the image may become distorted. 1.

Press the FREEZE button in DTV 720p, or 1080i modes. 2. Use the D / E / F / G buttons to select the screen split zoom section. 3. To return to normal viewing, press the FREEZE button again. EPG (Electronic Program Guide) (In DTV mode) - This system has an Electronic Program Guide (EPG) to help you navigate through all the possible viewing options. - The EPG supplies information such as program listings, start and end times for all available services. - This function can be used only when the EPG information is broadcasted by broadcasting companies. - The EPG displays the program description for next 3 days. - This function is only supported in DTV mode.

1. Press the GUIDE button to switch on EPG. 2. Press the D ed program. /E /F /G button to select desired program, then press the ENTER button to display the select- 3.

Press the GUIDE or EXIT button again to switch off EPG and return to TV viewing. Remote Control Buttons D / E / F / G FF / GG IFF / GGI GUIDE/EXIT Function Select the desired program Change to the selected channel Jump Page Change the date Switch off EPG Owner's Manual 43 Brief Info. Function : · Show the present screen information. · On Watching with the upper Input signal, press the INFO button. · Press the INFO button or EXIT button to exit.

· A: Banner information B: Program title C: Day, Month, Year D: Program start time E: Program finish time F: Show the processing rate G: Present time H: Added information. Refer to the icon explanation. 4:3 16 : 9 Screen Ratio of Input Signal 4:3 Screen Ratio of Input Signal 16:9 of of of of Input Input Input Input Signal Signal Signal Signal 720x480i 720x480p 1280x720p 1920x1080i 480i 480p 720p Resolution Resolution Resolution 1080i Resolution CC Multilingual : Input Signal have over two Audio information. Press the SAP button to select wanted Audio. Caption: Input Signal have over one Close service.

Press the CC button to select wanted Closed caption. Input Signal has rating information . Refer to the <Lock Menu>. D (Dialogue), L (Language), S (Sex), V (Violence), FV (Fantasy Violence) G B C D F E 3:11AM A TV 6-0 MONO STEREO SAP Live Eden 1080I Sat, Dec 20, 2003 Multilingual CC Caption 7:00PM 16 : 9 1080i 9:00PM CNBC H 44 DLP Projection TV Programming the Remote The Remote Control for your HD receiver is a multi-brand or universal Remote Control that can be programmed to operate most remote-controllable devices of other manufacturers.

Note: The Remote Control may not be able to control all models of other brands. 1. Test your Remote Control.



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To find out whether your remote control can operate the device with out programming, turn on the device such as a the VCR and press the corresponding mode button (VCR) on the remote control while pointing at the device. Test the POWER and CH +/- buttons to see if the device responds properly. If not, the remote requires programming to operate the device. 2. Turn on the device to be programmed. Then press the cor responding mode button on the Remote Control. 3.

Press the POWER button and the MUTE button simulta neously. @@4. There are two ways to find the right code for the device. A. @@Press the POWER button after each code change.

If the right code is found, the device will turn off. B. Enter a code number using the number buttons on the Remote Control. @@Again, if the code is correct, the device will turn off. 5.

Press the EXIT button to store the program. 6. @@If not, repeat from step 2. TV MODE VCR CABLE DVD SAT LIGHT POWER 2 INPUT RGB-PC TV INPUT TIMER INFO HDMI/DVI 3 1 2 5 8 0 3 6 9 FLASHBK FAV 4 4 7 MUTE 3 SAP VOL + ADJUST CH 4 EZ SOUND SRS APM EZ PIC RATIO CC FREEZE GUIDE ENTER MENU EXIT 5 Owner's Manual 45 Programming Codes TVs Brand A MARK ADMIRAL AKAI AMPRO AMSTAR ANAM Codes 112 143 072 081 161 006 146 073 167 052 043 054 056 080 104 108 112 115 118 121 131 AOC BLAUPUNKT 088 CANDLE CAPEHART CETRONIC CITIZEN 002 003 004 006 058 043 002 003 004 006 043 101 103 143 CLASSIC CONCERTO CONTEC CORONADO CRAIG CROWN CURTIS MATHES CXC DAEWOO 043 004 039 043 050 051 143 043 054 043 143 004 006 101 116 143 043 004 016 017 043 044 055 071 076 103 107 111 114 117 120 123 125 127 128 136 143 DAYTRON DYNASTY DYNATECH ELECTROHOME EMERSON 004 116 143 043 062 024 077 143 004 005 006 028 043 047 048 050 051 096 116 143 151 153 154 155 FISHER FUNAI FUTURETECH GE 007 057 028 043 043 004 006 008 009 034 056 073 074 091 116 130 144 155 160 161 165 NAD NEC MTC MINERVA METZ MGA MARANTZ MATSUI MEMOREX MAGNAVOX LG LODGENET LOGIK LUXMAN LXI KEC KENWOOD KLOSS KMC KTV JENSEN JVC 004 006 058 112 INFINITY INKEL JBL JCPENNY HALL MARK HITACHI Brand GOLDSTAR Codes 004 102 106 110 112 113 116 119 122 127 137 143 004 116 004 006 009 010 011 012 023 041 075 143 158 163 166 164 129 164 004 006 008 009 024 030 065 101 143 156 160 013 034 038 070 083 145 043 006 070 002 059 143 006 043 143 154 255 072 072 004 007 015 052 081 160 164 166 003 004 006 022 059 060 061 063 064 127 143 160 164 006 077 164 164 004 007 072 116 088 004 006 024 028 042 049 077 116 088 028 040 042 109 116 124 146 004 006 062 101 015 025 006 007 016 057 082 166 004 028 043 048 116 143 004 007 015 028 030 057 082 094 101 116 143 160 SEARS ZONDA MITSUBISHI 004 006 024 SCOTT SANYO SAMSUNG ROCTEC RUNCO SAMPO REALISTIC RCA QUASAR RADIO SHACK PROTON PORTLAND PROSCAN PIONEER PHILIPS PHILCO NIKEI ONKING ONWA OPTONICA PANASONIC Brand Codes 019 024 040 056 130 132 134 043 043 043 019 081 034 056 080 092 164 003 004 006 024 043 056 059 060 063 064 127 143 164 003 004 005 006 038 059 070 093 143 160 164 006 018 023 025 027 116 135 176 004 143 144 160 161 165 167 004 058 116 131 143 171 173 034 056 092 019 043 047 116 127 143 004 006 023 024 056 065 074 144 152 156 160 161 165 007 019 043 047 186 168 169 004 006 058 116 004 050 089 101 105 113 116 127 133 137 143 160 007 020 021 033 039 053 YAMAHA YORK YUPITERU ZENITH TOTEVISION UNIVERSAL VIDEO CONCEPTS VIDIKRON VIDTECH WARDS TELERENT TERA TMK TOSHIBA 087 072 172 004 116 007 015 030 040 051 062 101 138 143 008 009 146 174 004 116 004 008 009 019 028 060 061 063 064 072 074 116 143 164 004 006 004 116 043 001 072 073 095 103 157 112 TANDY TATUNG TECHNICS TECHWOOD TEKNIKA SPECTRICON 112 SSS SUPRE MACY SYLVANIA 004 043 002 003 004 006 044 059 060 063 064 116 127 140 160 164 081 056 062 034 080 084 004 002 003 004 006 024 028 031 043 072 077 101 103 143 TELEFUNKEN037 046 086 SOUNDESIGN SIEMENS SIGNATURE SONY Brand Sharp Codes 004 014 019 022 028 029 081 143 170 175 088 072 041 070 079 085 126 139 147 185 003 004 028 043 116 46 DLP Projection TV SAT SAT Brand ALPHASTAR DSR AMPLICA BIRDVIEW BSR CAPETRONICS CHANNEL MASTER CHAPARRAL CITOH CURTIS MATHES DRAKE Codes 123 050 051 126 053 053 013 014 018 036 008 009 077 054 050 145 005 006 010 011 112 116 024 046 076 038 040 058 093 095 096 098 099 122 089 114 017 021 027 133 Brand Codes GENERAL INSTRUMENT 003 004 029 031 101 HITACHI 139 140 HOUSTON TRACKER 033 037 051 057 HUGHES 068 HYTEK 053 JANIEL 060 147 JERROLD 061 KATHREIN 108 LEGEND 057 LG 255 LUTRON 132 LUXOR 062 144 MACOM 010 059 064 065 MEMOREX 057 NEXTWAVE 028 124 NORSAT 069 070 PACE SKY SATELLITE 143 PANASONIC 060 142 PANSAT 121 Brand 016 PERSONAL CABLE 059 PHILIPS PICO PRESIDENT 039 PRIMESTAR 104 PROSAT RCA REALISTIC SAMSUNG SATELLITE SERVICE CO SCIENTIFIC ATLANTA SONY STARCAST SUPER GUIDE 063 TEECOM Codes 117 071 105 019 102 030 110 072 066 106 043 074 123 028 035 057 085 032 138 103 041 020 124 023 026 087 088 107 130 002 127 016 025 043 044 048 049 079 080 101 135 Brand VIEWSTAR WINEGARD ZENITH 111 Codes 115 128 146 001 081 082 083 084 091 120 129 015 055 012 047 DX ANTENNA ECHOSTAR 007 052 141 056 057 094 097 100 125 075 090 137 042 045 078 086 136 125 TOSHIBA UNIDEN ELECTRO HOME EUROPLUS FUJITSU 022 134 Audio Brand APEX DIGITAL DENON GE GOLDSTAR HARMAN KARDON JVC LG Codes Brand 022 020 014 MAGNAVOX 005 006 MARANTZ 010 016 025 MITSUBISHI 027 NAD 012 ONKYO 001 010 016 PANASONIC Codes 025 013 024 002 023 008 017 003 009 Brand PHILIPS PIONEER PROCEED PROSCAN RCA SAMSUNG SONY Codes 013 004 026 021 005 006 005 006 011 015 007 Brand THOMPSON TOSHIBA YAMAHA ZENITH Codes 005 006 019 008 009 018 010 016 025 Owner's Manual 47 DVD Brand APEX DIGITAL DENON GE GOLDSTAR HARMAN KARDON JVC LG Codes Brand 022 020 014 MAGNAVOX 005 006 MARANTZ 010 016 025 MITSUBISHI 027 NAD 012 ONKYO 001 010 016 PANASONIC Codes 025 013 024 002 023 008 017 003 009 Brand PHILIPS PIONEER PROCEED PROSCAN RCA SAMSUNG SONY Codes 013 004 026 021 005 006 005 006 011 015 007 Brand THOMPSON TOSHIBA YAMAHA ZENITH Codes 005 006 019 008 009 018 010 016 025 48 DLP Projection TV Troubleshooting Checklist · Check whether the TV is turned on. No picture & No sound · Is the power cord inserted into wall power outlet? ; Is the power cord connected to the TV set properly? · Test the wall power outlet, plug another product's power cord into the outlet where the TV's power cord was plugged in. Picture OK & No sound · Press the VOLUME (D / E) button. · Sound muted? Press MUTE button. · Check to see if there is any object between the TV and the remote control causing obstruction. The remote control doesn't work · Are batteries installed with correct polarity (+ to +, - to -)? (Refer to p.12) · Correct remote operating mode set: TV, VCR etc.

? · Install new batteries. @@@@ Careful and regular cleaning can extend the amount of time you will have your new TV.



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Be sure to turn the power off and unplug the power cord before you begin any cleaning. **Cleaning the Screen** 1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen. 2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV. **Cleaning the Cabinet** To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.

Please be sure not to use a wet cloth. **Extended Absence** If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges. **Product Specifications MODELS Z52DC2D 47.5 33.8 15.**

6 68.0 Z56DC1D 58.1 36.8 17.2 87.

1 AC120V ~ 60Hz NTSC-M, ATSC, 64 & 256 QAM Z62DC1D 63.3 40.1 19.5 98.1 **Horizontal Size (inches) Height (inches) Depth (inches) Weight (lbs.)**
Power requirement Television System Program Coverage Power Consumption (W) Antenna Audio Output (W) Supplied Accessories VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 135, CADTV 1 ~ 135, DTV 2 ~ 69 210W 75 ohm External Terminal for VHF/UHF 15Wx2 Remote Control, 2 size AA batteries, D-sub 15 pin Cable, Power Cord · The specifications shown above may be changed without prior notice for quality improvement. **Owner's Manual 51 ZENITH**

ELECTRONICS CORPORATION DLP Projection TV Limited Warranty - USA Zenith will repair or replace your product, at Zenith's option, if it proves to be defective in material or workmanship under normal use, during the warranty period ("Warranty Period") listed below, effective from the date ("Date of Purchase") of original consumer purchase of the product. This warranty is good only to the original purchaser of the product and effective only when used in the United States, excluding U.S. Territories.

WARRANTY PERIOD: LABOR: One Year from the Date of Purchase. Parts: One Year from the Date of Purchase. Halogen Bulb: One Year from the Date of Purchase. * Parts replaced are warranted for the remaining portion of the original warranty period. **HOW SERVICE IS HANDLED: In-Home Service:** Please retain dealer's dated bill of sale or delivery ticket as evidence of the Date of Purchase for proof of warranty, and submit a copy of the bill of sale to the service person at the time warranty service is provided. Please call 1-877-9Zenith (1-877-993-6484) to locate your nearest Zenith Authorized Service Center.

Replacement parts may be new or factory remanufactured. **THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESSED WARRANTY PERIOD ABOVE. ZENITH WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES OF ANY NATURE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, LOST OR CORRUPTED PROGRAMMING OR DATA, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.**

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that may vary from state to state. **THIS LIMITED WARRANTY DOES NOT APPLY TO:** 1. Damages or operating problems that result from shipping, installation, adjustment of user controls, calibration, maintenance or failure to maintain, or separate system components; and 2. Damages or operating problems that result from normal wear and tear, misuse, abuse, operation outside environmental specifications or contrary to the requirements or precautions in the Operating Guide, accident, lightning strikes or other natural causes, unauthorized modification or alteration, incorrect electrical current or voltage, reception problem caused by inadequate home antenna or faulty antenna connections, computer software, institutional or commercial use, or other causes not arising out of defect in material or workmanship.

3. Therefore, the cost of repair or replacement of such a defective product shall be borne by the consumer. **CUSTOMER INTER-ACTIVE CENTER NUMBERS:** For nearest Authorized Service Center, Where to buy, Product Assistance, or Customer Assistance LG Customer Interactive Center 201 James Record Road Huntsville, Alabama 35824 <http://www.zenithservice.com> Call 1-877-9Zenith (1-877-993-6484) (24 hours a day, 365 days per year) and select an appropriate option from the menu.

Or visit our website at <http://www.zenithservice.com> P/N: 38289U0570A a .



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