Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH Z44SZ80. You'll find the answers to all your questions on the ZENITH Z44SZ80 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZENITH Z44SZ80
User guide ZENITH Z44SZ80
Operating instructions ZENITH Z44SZ80
Instructions for use ZENITH Z44SZ80
Instruction manual ZENITH Z44SZ80

Installation and Operating Guide | Warranty
Model Numbers | Z44SZ80/Z52SZ80 | DLP PROJECTION

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Manual abstract:

REFER TO QUALIFIED SERVICE PERSONNEL. @@@@@@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. However, there is no guarantee that interference will not occur in a particular installation. @@- Increase the separation between the equipment and receiver. @@- Consult the dealer or an experienced radio/TV technician for help. @@@@1000 Sylvan Avenue, Englewood Cliffs, NJ 07632 http://www.zenith.

com 2 DLP Projection TV Safety Instructions 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 : Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. 4 DLP Projection TV Contents Contents Warnings/Caution . . . .

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. .48 After reading this manual, keep it handy for future reference. Owner's Manual 5 Introduction Introduction Controls - This is a simplified representation of a front panel. - Image shown may be somewhat different from your TV.

Front Panel Controls POWER MENU ENTER VOL CH POWER Button MENU Button VOLUME (F,G) Buttons CHANNEL (E, Buttons ENTER Button D) Operation Indicator/ Lamp Indicator/ Temperature Indicator 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 its life and needs to be replaced with a new lamp. Contact your service center. There is a problem with the lamp or around it. Contact an authorized service center. The lamp cover is not closed.

The projection TV is overheating. Check for blocked vents on the projection TV. The projection TV shut down due to overheating. The projection TV shut down, check the Video1, Video2, Front video, Component1-2, RGB, HDMI1/DVI and HDMI2 input sources. TV/VIDEO TV INPUT EZ Video EZ Sound INFO SLEEP LIGHT Illuminates the Remote Control keys. 1 NUMBER KEYPAD For direct channel selection and programming functions. 2 5 8 0 3 6 9 FLASHBK FAV 4 7 INFO When you watch the TV, information displays on top of the screen. Not available in Component 1-2, RGB, HDMI1/DVI and HDMI2 mode.(Refer to p.36) MUTE Switches the sound on or off.

(Refer to p.37) MUTE + SAP VOL FAV Scrolls the Favorite channels. ADJUST CH VOLUME UP/DOWN Increases/decreases the sound level. PIP PIPCH- PIPCH+ SWAP ADJUST Adjusts screen position, size, and phase in RGB-DTV/PC mode. RATIO Changes the screen format or aspect ratio. RATIO CC FREEZE PIP INPUT PIP INPUT Selects the input source for the sub picture. MENU Brings up the main menu to the screen. MENU EXIT ENTER When in the menu system and other on-screen displays, selects highlighted options. PLAY PAUSE STOP RECORD SKIP Playing CDs: Selects songs. Playing DVDs: Selects movie chapters.

REW FF SKIP EXIT Clears all on-screen displays and returns to TV viewing from any menu. Owner's Manual 9 Introduction Remote Control Key Functions TV INPUT · Rotates the input mode between Antenna and Cable. · · 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 TV/VIDEO button on the remote control. Note that this TV finds the connected input sources automatically for Video1-2, Front Video and Component 1-2. It is presumed that RGB, HDMI1/DVI and HDMI2 sources are connected.

Do not connect to both Video1,2 and S-Video at the same time. In the event that you connect both Video and the S-Video cables, only the S-Video will work. DIGITAL AUDIO OPTICAL OUTPUT CABLE DIGITAL AUDIO OPTICAL INPUT (COMPONENT2) RGB INPUT PC/DTV (XGA/ 480p/ 720p/ 1080i) RGB/DVI INPUT S-VIDEO DIGITAL AUDIO OPTICAL INPUT (DVI) COMPONENT INPUT2 INPUT1 MONITOR INPUT2 OUT INPUT1 VIDEO H / D D M V I I 1 H D M I 2 Y (L) PB AUDIO (R) PR MONO (L) AUDIO (R) VARIABLE AUDIO OUT (L) AUDIO (R) DTV/DVD INPUT UPGRADE PORT (L) AUDIO (R) 1 2 ANT OUT ANT IN S-VIDEO OUT (R) AUDIO (L) VCR Rear VIDEO OUTPUT SWITCH 3 4 IN 12 DLP Projection TV Installation 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). RGB INPUT PC/DTV (XGA/ 480p/ 720p/ 1080i) RGB/DVI INPUT S-VIDEO MONITOR INPUT2 OUT INPUT1 VIDEO VIDEO Camcorder How to use 1. Select the input source by using the TV/VIDEO button on the Remote Control. Note that this TV finds the connected input sources automatically for Video 1-2 and Component 12. It is presumed that RGB, HDMI1/DVI and HDMI2 sources are connected. 2. Operate the corresponding external equipment.

(L) AUDIO (R) MONO (L)(L) AUDIO (R) (R) VARIABLE AUDIO OUT (L) AUDIO (R) Video Game Set R AUDIO L VIDEO 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.

ANTENNA DIGITAL AUDIO OPTICAL OUTPUT CABLE DIGITAL AUDIO OPTICAL INPUT (COMPONENT2) RGB INPUT PC/DTV (XGA/ 480p/ 720p/ 1080i) S-VIDEO DIGITAL AUDIO OPTICAL INPUT (DVI) COMPONENT INPUT2 INPUT1 RGB/DVI INPUT H / D D M V I I 1 H D M I 2 MONITOR INPUT2 OUT INPUT1 VIDEO Y (L) PB AUDIO (R) PR MONO (L) AUDIO (R) How to use 1. Turn on the DVD player, insert a DVD. 2. Use the TV/VIDEO button on the Remote Control to select Component 1 or Component 2. (If connected to S-VIDEO, select the Video2 or Front Video external input source.) 3. Refer to the DVD player's manual for operating instructions. VARIABLE AUDIO OUT (L) AUDIO (R) DTV/DVD INPUT UPGRADE PORT (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 B R (R) AUDIO (L) DIGITAL AUDIO OPTICAL or S-VIDEO (R) AUDIO (L) DVD Notes: · Digital Audio will not work for Component 1 input source.

· Digital Audio operation has priority if Digital Audio and AUDIO L/R are connected at the same time. Video output ports on DVD player Pr Pb B-Y R-Y Cb Cr PB PR Owner's Manual 13 Installation HDSTB Setup - This TV can receive Digital Over-the-air/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the figure as shown below. - 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, HDMI1/DVI or HDMI2 jack for video connections, depending on your set-top box connector. Then, make the corresponding audio connections.

Note: HDMI(High Definition Multimedia Interface): Input that accepts uncompressed digital signal and multi channel digital audio signal. Signal Component 1/2 RGB-DTV,HDMI1/DVI,HDMI2 Yes No 480i Yes Yes 480p How to use 720p Yes Yes 1. Turn on the digital set-top box. (Refer to the owner's manual for the digital 1080i Yes Yes set-top box.) 2. Use TV/VIDEO on the Remote Control to select Component 1, Component 2, RGB-DTV, HDMI1/DVI or HDMI2 source. Monitor Out Setup The TV has a special signal output capability which allows you to hook up a second TV or monitor. Connect the second TV or monitor to the TV's MONITOR OUTPUT. 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, HDMI1/DVI,HDMI2, DTV input sources cannot be used for Monitor out.
RGB INPUT PC/DTV (XGA/ 480p/ 720p/ 1080i) RGB/DVI INPUT (L) AUDIO (R) S-VIDEO MONITOR INPUT2 OUT INPUT1 MONO VARIABLE AUDIO OUT (L) AUDIO (R) S-VIDEO IN (R) AUDIO (L) VIDEO 14 DLP Projection TV Installation 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 the PC supports DVI> How to connect 1. Connect the PC to HDMI1/DVI port of this TV with an HDMI-to-DVI cable(not supplied with this product). If you do not need to connect audio, HDMI2 port is also available for the DVI video connection.
2. If the PC(or the sound card of the PC) has a fiber optic digital audio output connector, connect the PC's audio output to DIGITAL AUDIO(OPTICAL) port for DVI INPUT. 3. 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. How To Use 1.
To get the best picture quality, adjust the PC graphics card to 1024x768, 60Hz. 2. Select HDMI1/DVI input source in main input option of SETUP menu.(Refer to P.23) TV/VIDEO button is also available for this purpose. 3. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the VIDEO menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.

<When the PC supports 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 output connector, connect the PC's audio output to AUDIO INPUT port located on the right side of RGB INPUT port. How To Use 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.(Refer to P.23) Once you select RGB-PC in main input option of SETUP menu, TV/VIDEO button is also available for this purpose.
3. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the VIDEO menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card. Monitor Display Specifications (RGB-PC or HDMI1/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 15 Installation Digital Audio Output Send the TV's audio to external audio equipment (stereo system) via the Digital Audio Output (Optical) port. C A B L E C A R D ANTENNA DIGITAL AUDIO OPTICAL OUTPUT CABLE DIGITAL AUDIO OPTICAL INPUT (COMPONENT2) How to connect 1. Connect one end of an optical cable to the TV Digital Audio (Optical) Output 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 26.
See the external audio equipment instruction manual for operation. Caution: Do not look into the optical output port. Looking at the light may damage your vision. DIGITAL AUDIO OPTICAL INPUT (DVI) COMPONENT INPUT2 INPUT1 DVI H D M I 1 H D M I 2 / D V I Y PB PR HDMI UPGRADE PORT (L) AUDIO (R) DTV/DVD INPUT External Stereo Hook up Variable Audio Output, L-Audio-R to Amplifier system for Left/Right front speaker sound. S-VIDEO RGB INPUT PC/DTV (XGA/ 480p/ 720p/ 1080i) RGB/DVI INPUT (L) AUDIO (R) How to connect MONITOR INPUT2 OUT INPUT1 MONO VARIABLE AUDIO OUT (L) AUDIO (R) 1.
Locate the Variable Audio Out jacks on the back of your TV and the Input jacks on the back of your stereo's amplifier. 2. Connect the two jacks, making sure that the right and left channels are connected correctly. 3. Set up your speakers through your analog stereo amplifier, according to the instructions provided with the amplifier. 16 DLP Projection TV Installation HDMI - HDMITM, the HDMI logo and High-Definition Multimedia Interface is a trademark or registered trademark of HDMI Licensing. - This TV can receive the High-Definition Multimedia Interface(HDMI) or the Digital Visual Interface(DVI). - This TV supports HDCP(High-bandwidth Digital Contents Protection) Protocol for 720x480p, 1280x720p, and 1920x1080i resolutions. - When you connect this TV with a source device(DVD player, Set Top Box or PC) supporting Auto HDMI/DVI function, the output resolution of the source device will be automatically set to 1280x720p. - If the source device does not support Auto HDMI/DVI, you need to set the output resolution appropriately.

To get the best picture quality, adjust the DVD Player or Set Top Box's output resolution to 1280x720p, and the PC graphics card's output resolution to 1024x768, 60Hz. - If the source device has an HDMI output, no other audio connection is necessary because HDMI-to-HDMI connection includes both video and audio. - If the source device has a DVI output and no HDMI output, a separated audio connection is necessary. <When the source device(DVD player or Set Top Box) supports HDMI> How To Connect 1. Connect the source device to HDMI1/DVI or HDMI2 port of this TV with an HDMI cable(not supplied with this product). 2. No separated audio connection is necessary. How To Use - If the source device supports Auto HDMI function, the output resolution of the source device will be automatically set to 1280x720p. - If the source device does not support Auto HDMI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the source device to 1280x720p.

- Select HDMI1/DVI or HDMI2 input source in main input option on the SETUP menu.(Refer to P.23) TV/VIDEO button is also available for this purpose. <When the source device(DVD player or Set Top Box) supports DVI> How To Connect 1. Connect the source device to HDMI1/DVI port of this TV with a HDMI-to-DVI cable(not supplied with this product).

Do not use HDMI2 port for DVI connection if you want to connect audio. 2. A separated audio connection is necessary. 3. If the source device has a fiber optic digital audio output, connect the audio output to DIGITAL AUDIO(OPTICAL) port for DVI INPUT.

4. Connect the PC's audio output to AUDIO INPUT port located on the right side of RGB INPUT port. How To Use - If the source device supports Auto DVI function, the output resolution of the source device will be automatically set to 1280x720p. - If the source device does not support Auto DVI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the source device to 1280x720p. - Select HDMI1/DVI input source in main input option on the SETUP menu.(Refer to P.23) TV/VIDEO button is also available for this purpose. Owner's Manual 17 Installation Reference Cable sample HDMI Cable (not supplied with the product) HDMI to DVI Cable (not supplied with the product) Fiber Optic Digital Audio Cable (not supplied with the product) Analog Audio Cable(RCA type) (not supplied with the product) Analog Audio Cable(Stereo to RCA type) (not supplied with the product) 18 DLP Projection TV Installation How to use 1. Connect the HDMI1/DVI Source Devices(DVD Player or Set Top Box or PC) and the TV SET.

2. Turn on the display by pressing the POWER button on the TV SET and HDMI1/DVI Source Devices remote control. 3. Select HDMI1/DVI Input source in Main Input option on the SETUP menu.(Refer to P.23) 4. Check the image on your TV SET. There may be noise associated with the resolution, vertical pattern, contrast or brightness in HDMI1/DVI Source Devices. If noise is present, change the HDMI1/DVI Source Devices to another resolution, change the refresh rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphics card can not changed, change the PC graphics card or consult the manufacturer of the PC graphics card.

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 HDMI1/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 HDMI1/DVI Source Devices or contact your service center. - In case HDMI1/DVI Source Devices is not connected Cable or poor cable connection, "NO SIGNAL" OSD display in HDMI1/DVI Input. In case that Video Resolution is not supported TV SET output in HDMI1/DVI Source Devices, "INVALID FORMAT" OSD display.

Refer to the Manual of HDMI1/DVI Source Devices or contact your service center. In DTV Mode, the Supported TV Set Resolution Specification 1920 x 1080 I @ 59.94Hz / 60Hz, 16:9 1280 x 720 P @ 59.94Hz / 60Hz, 16:9(preferred format) 720 x 480 P @ 59.94Hz / 60Hz, 16:9 720 x 480 P @ 59.

94Hz / 60Hz, 4:3 In PC Mode, the Supported PC Resolution Specification 640 x 480 @ 60Hz 640 x 480 @ 72Hz 640 x 480 @ 75Hz 800 x 600 @ 56Hz 800 x 600 @ 60Hz 800 x 600 @ 72Hz 800 x 600 @ 75Hz 1024 x 768 @ 60Hz(preferred format) 1024 x 768 @ 70Hz 1024 x 768 @ 75Hz Owner's Manual 19 Operation 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, TV/VIDEO, TV INPUT, CH (D / E) 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, TV/VIDEO, TV INPUT, CH (D / Number (0 ~ 9) button on the Remote Control to turn the TV on.

E) or Note: If you intend to be away on vacation, disconnect the power plug from the wall power outlet. 20 DLP Projection TV Operation TV Setup On-screen Menus Language Selection - The menus can be shown on the screen in the selected language. First select your language. 1. Press the MENU button and then use menu. 2. Press the G D / E button to select the OPTION button and then use D / E 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. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Owner's Manual 21 Operation Setup Menu Options EZ Scan (Channel Search) - Automatically finds all channels available through antenna and cable inputs, and stores them in a channel list in the memory. - Run EZ Scan again after any Antenna/Cable connection changes. 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 EZ Scan. 3. Press the G button or ENTER button to begin the channel search.

Allow EZ Scan to complete the channel search cycle for TV, DTV, CATV, and CADTV. Channel Edit - You can 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 also create your own Favorite List. Use the FAV button on the Remote Control when a channel is highlighted and then you can add or delete the channel to/from the Favorite List. 1. Press the MENU button and then use D 2. Press the G button and then use D /E /E button to select the SETUP menu.

button to select Channel Edit. 3. Press the G button. @@4. @@Press FAV to add or delete the channel to the Favorite List. 5. @@@@Press the MENU button and then use 2. Press the G button and then use 4. @@Press the G button. You will now see a screen filled with Labels and a preview screen. button to select a channel to Label. 5. @@@@1. 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: Video1, Video2, Front Video, Component1, Component2, RGB, HDMI1/DVI or HDMI2. 4. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Owner's Manual 23 Operation V ideo Menu Options EZ Picture - EZ Picture adjusts the TV for the best picture appearance.
Select the preset value in the EZ Picture menu based on the program category. - When adjusting Video menu options (contrast, brightness, color, sharpness, tint, and color temperature) manually, EZ Picture automatically changes to Custom. - Daylight, Normal, Night Time, Movie, Video Game, and Sports settings are preset for optimum picture quality at the factory and are not adjustable. 1. @@· You can also use the VIDEO menu to adjust EZ Picture. 2. @@1. @@@@3. @@@@@@1. Press the MENU button and then use 2.

@@@@@@1. Press the MENU button and then use 2. @@@@Press the MENU button and then use D 2. Press the G button and then use 3. @@@@@@Press the MENU button and then use D 2. Press the 3. @@button to select On or Off. 4. @@@@@@1. @@· You can also adjust EZ Sound in the AUDIO menu.
2. @@Press the MENU button and then use D 2. Press the G button and then use D (Balance, Treble, or Bass). 3. @@Press EXIT button to return to TV viewing or press MENU button to return to the previous menu.
Owner's Manual 25 Operation Audio Menu Options Front Surround is a trademark of SRS Labs, 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. 1.
Press the MENU button and then use D 2. Press the G /E button to select the AUDIO menu. button and then use D /E button to select Front Surround. button to select Off sor SRS (Sound 3. Press the G button and then use D Retrieval System) TruSurround XT. /E · SRS TruSurround XT Takes advantage of any multi-channel format without needing to add extra speakers or equipment. Dialog clarity, bass enrichment, and the addition of stereo audio enhancement that produces an immersive sound experience from standard stereo material. 4. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. TV Speaker On/Off Setup On/Off - Turn TV speakers off if using external audio equipment.

Feature turns the TV Speakers option On or Off. 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 and then use button and then use D /E D /E button to select TV Speaker. button to select On or Off . 4. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Stereo/SAP Broadcasts Setup - This TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program; if the station transmits an additional sound signal as well as the original one.
- When having selected Stereo or SAP button on the Remote Control, this TV can only receive the signal when the TV station transmits the proper signals. - Mono sound is automatically received if the broadcast is only in Mono; even though Stereo or SAP has been selected. - Select Mono if you want to listen to the mono sound in remote fringe areas during stereo/SAP broadcasting. - Stereo or SAP can be received in Analog channel. 1.
Use the SAP button to select your desired MTS mode in analog signal. Each time you press the SAP button, Mono, Stereo, or SAP appear in turn. · If other languages available on the digital signal, select them with the SAP button. 2. Press EXIT button to save and return to TV viewing.
26 DLP Projection TV Operation T ime Menu Options Auto Clock Setup - The time is set automatically from a digital channel signal. - The digital channel signal includes information for the current time provided by the broadcasting station. - Set the clock manually, if the current time is set incorrectly by the auto clock function. 1. 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 Auto Clock. button to select On. 4.

@@5. @@6. @@1. Press the MENU button and then use 2. @@@@@@4. @@@@The TV must be in standby mode for the On-Timer to work. @@Press the MENU button and then use 2. @@Press the G button and then use D / E button to select On. · To cancel On/Off timer function, select Off. 4. Press the 5. @@button to set the minutes. button to select the channel at turn-on. button to set the sound level at turn-on. 6.
For only On timer function Press the G button and then use Press the G button and then use D /E D /E 7. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Owner's Manual 27 Operation T ime Menu Options 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 SLEEP 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 SLEEP button once. 4. To cancel the Sleep Timer, press the SLEEP button repeatedly to select Off.

Auto Off Off - If set to on and there is no input signal, the TV turns off automatically after 10 minutes. 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. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 28 DLP Projection TV Operation Option Menu Options Aspect Ratio Control - Lets you choose the way an analog picture with a 4:3 aspect ratio is displayed on your TV with a 16:9 ratio picture format. When you receive an analog picture with a 4:3 aspect ratio on your 16:9 TV, you need to specify how the picture is to be displayed. - Horizon aspect ratio is not available for Component 1-2 (720p/1080i)/RGB-DTV (720p/1080i)/HDMI1/DVI-DTV(720p/1080i), HDMI2DTV(720p/1080i)/ CADTV, DTV(720p/1080i) input source. - 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. (4:3 4:3, 16:9 16:9) · 4:3 Choose 4:3 when you want to view a picture with an original 4:3 aspect ratio, with black bars appearing at both the left and right sides. · 16:9 Choose 16:9 when you want to adjust the picture horizontally, in a linear proportion to fill the entire screen. · Horizon Choose Horizon when you want to adjust the picture in a non-linear proportion, that is, more enlarged at both sides, to create a spectacular view.

· Zoom 1 Choose Zoom 1 when you want to view the picture without any alteration. However, the top and bottom portions of the picture will be cropped. · Zoom 2 Choose Zoom 2 when you want the picture to be altered, both horizontally extended and vertically cropped. The picture taking a halfway trade off between alteration and screen coverage. · Cinema Zoom 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. You can adjust the enlarge proportion of Cinema Zoom using D / E button. The adjustment range is 1~16. Cinema 3:2 Mode Setup - Most movies are 24 frames/sec, but TV signal is 30 frames/sec. This option lets the TV do 3:2 pull-down operation for you to watch movies with the best motion appearance.

1. Press the MENU button and then use D / E button to select the OPTION menu. 2. Press the G button and then use D / E button to select Cinema 3:2 Mode. 3. Press the G button and then use D /E button to select On or Off. 4. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Note: This feature operates only in 480i mode. Owner's Manual 29 Operation Option Menu Options Caption 1. Press the MENU button and then use D 2. Press the G button and then use 3. Press the G button and then use D D /E button to select the OPTION menu. / E button to select Caption. / E button to select On or Off.

4. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. 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 CC1, CC2, CC3, CC4, Text1, Text2, Text3, or Text4. · EZ Mute shows the selected captions option (if available on program) when the TV sound is muted 2. Press EXIT button to save and return to TV viewing. · You can also use the OPTION menu to select Caption/Text. 1. Press the MENU button and then use D / E button to select the OPTION menu. 2.

Press the G button and then use D / E button to select Caption/Text. 3. Press the G button and then use D / E button to select caption: CC1, CC2, CC3, CC4, Text1, Text2, Text3, or Text4. · 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. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Digital Broadcasting System Captions SETUP Aspect Ratio Cinema 3:2 Mode VIDEO Caption Caption / Text AUDIO Caption Option Language EZ Demo OPTION G - 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. 1. Press the MENU button and then use D / E button to select the OPTION menu. 2. Press the G button and then use D / E button to select Caption/Text. 3. Press the G button and then use D / E button to select available caption languages: English, Spanish, or French.

4. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. English Spanish French TIME LOCK MENU Prev. 30 DLP Projection TV Operation Caption Option - Customize the DTV/CADTV captions that appear on your screen. 1. Press the MENU button and then use menu. 2. Press the G button and then use 3. Press the G button and then use D /E F /G D /E button to select the OPTION button to select Caption Option. button to select Custom. 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. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. EZ Demo Shows you how to navigate the TV's on-screen menus.

EZ Demo Use to scan the features and menu options available on your TV. 1. Press the MENU button and then use D / E button to select the OPTION menu. 2. Press the G button and then use D / E button to select EZ Demo, then use the G button to start EZ Demo.

3. Press EXIT button to stop EZ Demo. . Owner's Manual 31 Operation 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 TV Rating Children: · Age · Fantasy Violence TV Rating General: · Age · Dialogue - sexual dialogue · Language - adult language · Sex - sexual situations · Violence (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) (applies (applies (applies (applies (applies to TV-G, TV-PG, TV-14, TV-MA) to TV-PG, TV-14) to TV-PG, TV-14, TV-MA) to TV-PG, TV-14, TV-MA) to TV-PG, TV-14, TV-MA) Input Block · Video 1, 2, Front Video (On, Off) · Component 1, 2 (On, Off) · RGB, HDMI1/DVI or HDMI2 (On, Off) 32 DLP Projection TV Operation 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. 1. Press the MENU button and then use D Then, press the G button /E button to select the LOCK menu. · Enter the password as requested. · The TV is set up with the initial password "0-0-0-0". 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: Blocks any channels that you do not want to watch or that you do not want your children to watch. · Movie Rating (MPAA): 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. Press EXIT button to return to TV viewing or press MENU button to return to the previous menu. Note : If you ever forget your password, key in '7', '7', '7', '7' on the Remote Con trol. Owner's Manual 33 Operation Remote Control PIP (Picture-In-Picture) / Twin Picture - PIP lets you view 2 different inputs (sources) on your TV screen at the same time. One source will be large, and the other source will show a smaller inset image. - Twin Picture mode splits the screen into 2, allowing 2 picture sources to be shown on the TV screen at the same time. Each source is given half the screen. - If you set the block/rating for Lock menu options in PIP/Twin Picture mode, "Rating Blocked" doesn't display on screen. Watching PIP/Twin Picture PIP/Twin Press the PIP button to access the sub picture.

Each press of PIP changes the PIP options as shown below. PIP Mode Twin Picture Mode PIP Off Selecting an Input Signal Source for PIP/Twin Picture PIP/Twin Use the PIP INPUT button to select the input source for the sub picture. Each press of PIP INPUT button changes the PIP source. You can also select sources for the Sub Input in the SETUP menu. Main Picture Source DTV, Analog Available Sub Picture Sources Video, and Front Video Swapping the PIP/Twin Picture PIP/Twin Repeatedly, use the SWAP button to switch the main and sub pictures. · Component 1, Component 2, RGB-PC (or RGB-DTV), HDMI1/DVI, HDMI2 input sources for the main picture can't be used to swap the main and sub pictures. Main Picture Sub Picture Main Picture Sub Picture TV Program selection for PIP 1. Press the PIP button. 2. Select the Antenna or Cable option on the Sub input menu or with the PIP INPUT button. Use the PIPCH+ PIPCH- button to select a channel for the sub picture. (You can't select TV for main and sub picture simultaneously). / 34 DLP Projection TV Operation Moving the PIP sub picture In PIP mode, press the screen. D /E /F /G button to move the sub picture to a different location on the Adjusting Main and Sub Picture Sizes for Twin Picture Use the i.e) D /E /F /G button to change main and sub picture sizes in Twin Picture mode.

If screen is adjusted to the maximal size, the large screen appears the black part at both the up and down sides. Owner's Manual 35 Operation Brief Info. Operation: · Watching TV/DTV/CATV/CADTV · Watching Video1, Video2, Video3 · In Component1, Component2, RGB, HDMI1/DVI, HDMI2 modes, INFO button is not working. 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 prosessing 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 Resolution Resolution Resolution 1080i Resolution 480i 480p 720p 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 Wide 9:00PM CNBC H 36 DLP Projection TV Operation EZ Mute - If you set the Caption on, nothing to do with the MUTE button, Caption function operates as Caption on or off.

- When you repeatedly press the MUTE button, the screen is displayed in turn. (Refer to the lower picture) Mute EZ Mute Mute : Sound is muted. EZ Mute : a special mute mode to activate the closed caption, automatically. 24 Mute Off : Sound is enabled. Note: EZ Mute only operates in DTV/Analog/Video/Front Video. 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. Owner's Manual 37 Operation Screen Setup for PC mode Operation · When RGB connect to PC input and select the RGB-PC in Main Input, this function is used. · In RGB-DTV mode, SIZE is not available.

Adjustment for screen Position, Size, Phase, Reset ·After connecting RGB-PC 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 : Adjust the screen size.

(Only available in RGB-PC mode) : Adjust the phase of Pixel clock. : Initializating Size, Position, Phase adjustment . - Phase - Reset 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 16 G SIZE PHASE RESET Initialize Settings No Yes PHASE RESET Adjust Previous Size Adjust Previous FG Control Adjust Previous FG Move Select 38 DLP Projection TV Programming the Remote 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. 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. Now the Remote Control is ready to program the code for the corresponding device. 4. There are two ways to find the right code for the device. A. If you press the CH +/- buttons repeatedly, the codes will change one at a time. 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. @@@@@@ · 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. 10) · Correct remote operating mode set: TV, VCR etc.? · Install new batteries. (Refer to p.10) Picture appears slowly after switching on · This is normal, the image is muted during the TV startup process. Please contact your service center, if the picture has not appeared after five minutes. · Select Color in the Picture menu and press the (Refer to p.24) G button. No or poor color or poor picture · Keep a sufficient distance between the TV and the VCR. @@@@@@@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. Owner's Manual 45 Product Specification Product Specifications MODEL Horizontal Size (inches) Height (inches) Depth (inches) Weight (lbs.) Power requirement Television System Program Coverage Power Consumption (W) Antenna Audio Output (W) Supplied Accessories Z44SZ80 39.

9 29.2 14.4 57.3 AC120V ~ 60Hz NTSC-M, ATSC, 64 & 256 QAM Z52SZ80 47.5 33.

8 16.1 83.6 VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 135, CADTV 1 ~ 135. DTV 2 ~ 69 210W 75 ohm External Terminal for VHF/UHF 20Wx2 Remote Control, 2 size AA batteries, D-sub 15 pin Cable · The specifications shown above may be changed without prior notice for quality improvement. 46 DLP Projection TV Notes Owner's Manual 47 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.*

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