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You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH C27V36. You'll find the answers to all your questions on the ZENITH C27V36 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZENITH C27V36
User guide ZENITH C27V36
Operating instructions ZENITH C27V36
Instructions for use ZENITH C27V36
Instruction manual ZENITH C27V36

Installation and Operating Guide | Warranty
Model Numbers | C27V36 • C32V36 | Direct View TVs



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Manual abstract:

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. @@@@ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND. NOTE TO CABLE/TV INSTALLER: This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical. **REGULATORY INFORMATION:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

@@@@· Increase the separation between the equipment and receiver. @@@@Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. **CAUTION:** Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product. The responsible party for this product's compliance is : Zenith Electronics Corporation, 2000 Millbrook Drive, Lincolnshire, IL 60069, USA 1-847-941-8000 **2 IMPORTANT SAFETY INSTRUCTIONS** Important safeguards for you and your new product Your product has been manufactured and tested with your safety in mind.

However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference. Observing the simple precautions discussed in this operating guide can help you get many years of enjoyment and safe operation that are built into your new product. This product complies with all applicable U.S.

Federal safety requirements, and those of the Canadian Standards Association. 1. Read Instructions All the safety and operating instructions should be read before the product is operated. 2. Follow Instructions All operating and use instructions should be followed. 3. Retain Instructions The safety and operating instructions should be retained for future reference. 4. Heed Warnings All warnings on the product and in the operating instructions should be adhered to. 5.

Cleaning Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. 6. **Water and Moisture** Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool. 7. **Accessories, Carts, and Stands** Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. **Transporting Product** A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn. 9. **Attachments** Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. **Ventilation Slots and openings** in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. 11.

Power Sources This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions. 12. **Line-Cord Polarization** This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. **Power-Cord Protection** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product. (Continued on next page) **PORTABLE CART WARNING 3 IMPORTANT SAFETY INSTRUCTIONS** (Continued from previous page) 14. **Outdoor Antenna Grounding** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. Example of Grounding According to National Electrical Code Instructions Ground Clamp Antenna Lead in Wire 19. **Servicing** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards.

Refer all servicing to qualified service personnel. 20. **Damage Requiring Service** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: a. If the power-supply cord or plug is damaged. b.

If liquid has been spilled, or objects have fallen into the product. c. If the product has been exposed to rain or water. d. If the product does not operate normally by following the operating instructions.

Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.



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e. If the product has been dropped or the cabinet has been damaged. f. If the product exhibits a distinct change in performance. 21. Replacement Parts When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards. 22. Safety Check Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting The product should be mounted to a wall or ceiling only as recommended by the manufacturer. 24. Heat The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. Antenna Discharge Unit (NEC Section 810-20) Grounding Conductor (NEC Section 810-21) Ground Clamps Power Service Grounding Electrode System (NEC Art 250, Part H) Electric Service Equipment NEC- National Electrical Code 15. Lightning For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges. 16. Power Lines An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal. 17. Overloading Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock. 18. Object and Liquid Entry Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

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24 Moviower 15. CC Selects the CAPTIONS: On, EZ Mute, or Off. 16. MTS BUTTON Selects MTS sound: Mono, Stereo, or SAP. 17. MUTE Press to mute sound. Press again to restore sound. 18. PIP (Picture-in-Picture) 13 freeze 1 4 7 flashbk for 2 5 8 0 3 6 9 mts mute 14 15 16 17 PIP Selects the PIP mode, twin picture window, or channel search mode. PIPCH +/Selects the sub picture channel.

SWAP Switches the main and sub pictures. POSITION Moves the sub picture to another corner of the main picture. PIP INPUT Selects the input signal for the sub picture. 19. AUDIO Selects the sound appropriate for the program's character; Virtual, Flat, Music, Movie, Sports or User. vol ch pip pipch- pipch+ swap 18 position pip input video up enter audio 19 20 right left 21 menu down exit play rew pause stop record ff skip 20. VIDEO Selects factory preset picture settings: Clear, Optimum, Soft, or User. 21. D/E/F/G/ · Navigates the on-screen menus and adjusts the system settings and preferences. · Recalls current TV mode (Remote control only).

7 Remote Control/Front Control Panel (Continued) 22. EXIT Clears all on-screen displays and returns to TV viewing from any menu. tv mode vcr cable dvd sat light rogramming, press the ENTER () button. Only the channels searched up to that time are memorized. Move++Next+{+Back} Channel CH. EZ+Scan+++++{ TurboOOOOO{O Manual+prog.{ NormalOOOO{ Favorite+Ch.{ Notes · Turbo EZ Scan works faster than Normal EZ Scan. · If broadcast signals are poor quality, try memorize channels again using Normal EZ Scan. · EZ scan stores all available channels regardless of signal (RF, Cable 1-2). · If over-the-air and Cable TV channels are duplicated, use the number buttons (0 ~ 9) to change channels for: Over-the-Air Channels Cable TV Channels . OO EZOScanO O O O O O OTVO O O O O O O O 19 O Ant/O ableO O O O O O5% / C 100 O O O O O Stop 10 Memorizing the Channels with MANUAL PROGRAM 1. @@2. Press the G and then use D / E button to select Manual prog.. 3. Press the G and then use D / E button to select Channel. 4. Press the G and then use D / E button to select the channel number you want to memorize or erase. 5.

Press the F button and then use D / E button to select Add/Del. 6. Press the G and then use D / E button to select Memory or Erase. Channel CH. EZ+Scan+++++{ Manual3prog.{ ToOset Manual+prog.{ Favorite+Ch.{ Move++Next+{+Back} 7. Press the exit button to save and return to TV viewing. Manual3prog.

Channel®D+++++{ TV+2+ Add/Del+®D+++++{ Booster+D+++++{ Fine+++++{ PIP®DW+++++{ Adjust++Back} Tuning Channels Use the ch+/- button to easily select the next higher or lower channel. Or, use the NUMBER buttons to directly select the desired channel. Adjusting the Sound Level Use the vol+ button to increase the volume level or vol- button to decrease the volume level. To turn off the sound, press the mute button. The word Mute is displayed Using Mute is convenient if you need to answer a telephone call.

To restore the muted sound, press the mute button again or vol+/button. Volume 5 EEEMute 11 Features Setting the Clock Before using the On/Off Timer features, set the current time on the clock. Auto Clock Setup The time is set automatically through from a PBS broadcast signal. The PBS channel signal includes information for the correct time and daylight saving time. 1. Press the menu button and then use D / E button to select the Timer menu. 2. Press the G and then use D / E button to select Clock . 3. Press the G and then use D / E button to select Auto . 4. Press the G button and then use the D / E button to select the time zone of your viewing area. Your choices are: Auto, E.S.T.

(Eastern Standard Time), C.S.T. (Central Standard Time), M.S.T. (Mountain Standard Time), P.S.T. (Pacific Standard Time), Alaska, and Hawaii. Timer CH. Clock Off+timer On+timer Sleep Auto+off { { { { Auto Autoooooooof Manualooooof Time+zone ++Auto PBS+Ch.



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++++TV++2 D.S.T.

++Auto Move++Next+{+Back} 5. Press the G button and then use the D/E button to set a PBS channel. 6. Press the G button and then use the D/E button to set D.S.

T. (Daylight Saving Time) Auto, On, and Off, depending on whether or not your viewing area observes Daylight Savings Time. 7. Press the exit button to save and return to TV viewing. Manual Clock Setup 1. Press the menu button and then use D/E button to select the Timer menu. 2. Press the G and then use D/E button to select Clock . 3. Press the G button and then use the D/E button to select Manual.

4. Press the G button and then use the D/E button to set the hours. 5. Press the G button and then use the D/E button to set the minutes. 6. Press the exit button to save and return to TV viewing. Timer CH. Clock Off+timer On+timer Sleep Auto+off { Autooooooooo { Manualooooo { Manual { { +_: __+AM { Move++Next+{+Back} Off Timer Setup Off Timer automatically switches the TV to standby mode at the preset time. 1. Press the menu button and then use D/E button to select the Timer menu.

2. Press the G and then use D/E button to select Off timer. 3. Press the G and then use D/E button to select On. 4.

Press the G button and then use the D/E button to set the hours. 5. Press the G button and then use the D/E button to set the minutes. 6. Press the exit button to save and return to TV viewing.

Note · If the same time is set for both on time and off time, only off time operates. Timer CH. Clock Off+timer On+timer Sleep Auto+off { Onooooooo { On { Off { { +_: __+AM Move++Next+{+Back} 12 On Timer Setup On Timer automatically turns the TV on at the preset time and tunes to the specified channel. 1. Press the menu button and then use D/E button to select the Timer menu. 2. Press the G and then use D/E button to select On timer. 3. Repeat OFF TIMER steps 3 to 5. 4.

Press the G and then use D/E button to select the desired channel. 5. Press the G and then use D/E button to set the volume level at turn on. 6. Press the exit button to save and return to TV viewing. Notes · If you don't press any button within 2 hours after turning on the TV with the ON TIMER function, the TV will automatically switch back to standby mode. · TV must be in standby mode for the On Timer to work. Timer CH. Clock Off+timer On+timer Sleep Auto+off { Onooooooo { On { Off { +_: __+AM ++++++TV+3 +Volume+30 Move++Next+{+Back} Sleep Timer Setup You don't have to remember to switch the TV to standby mode before you go to sleep. The Sleep Timer automatically turns the TV off after the preset sleep time expires.

Use the sleep button to select the desired sleep time. Each time you press this button, preset sleep time settings are displayed one by one as shown below. The Sleep Timer begins to count down from the number of minutes selected. --- ; 10 ; 20 ; 30 ; 60 ; 90 ; 120 ; 180 ; 240 Notes · After a few seconds, the desired sleep time setting will disappear and the TV turn-off function will operate automatically. · To view the remaining sleep time, press the sleep button once and the remaining sleep time will be displayed.

· To cancel the Sleep Timer, select the --- setting with sleep button. --- Auto Off If an input signal is not present, the TV is switched to standby mode automatically in 10 minutes. 1. Press the menu button and then use D/E button to select the Timer menu. 2.

Press the G and then use D/E button to select Auto off. 3. Press the G and then use D/E button to select On or Off. 4. Press the exit button to save and return to TV viewing. Timer CH. Clock Off+timer On+timer Sleep Auto+off { { { { On Off Off Move++Back} 13 Features (Continued) Key Lock The TV can be set up so that the remote control is needed to operate it. This feature can be used to prevent unauthorized viewing. 1. @@2.

Press the G and then use D/E button to select Key lock. 3. Press the G and then D/E button to select On or Off. 4. Press the exit button to save and return to TV viewing. Notes · With the key lock on, the display Key lock appears on the screen if any button on the front panel is pressed while viewing the TV. · This TV is programmed to remember which option it was last set to when you switch the TV on from standby mode. Special CH. Language { Input+++++++{ Key+lock+++++{ On Captions+++++{ Off Caption/Text+{ Scan+mode+++++{ Tilt+++++++{ Degauss+++++++{ PIP+++++++{ Parental+ctl{ Move++Back} Scan Mode Scan Mode selects the output format. 1.

Press the menu button and then use D/E button to select the Special menu. 2. Press the G and then use D/E button to select Scan mode. 3. Press the G and then use D/E button to select Interlaced (for watching normal TV) or Progressive (for viewing a more stationary image, a video game for example).

4. Press the exit button to save and return to TV viewing. Special CH. Language { Input+++++++{ Key+lock+++++{ Captions+++++{ Caption/Text+{ Scan+mode+++++{ Interlaced Tilt+++++++{ Progressive Degauss+++++++{ PIP+++++++{ Parental+ctl{ Move++Back} Picture Tilt The picture on the TV screen may tilt to left or right if the TV is moved to another direction. Picture Tilt can be used to correct any uneven picture tilt.

1. @@2. Press the G and then use D/E button to select Tilt. 3. Press the G and then use F/G button to adjust the tilt. 4. Press the ENTER () button to exit. Special CH. Language { Input+++++++{ Key+lock+++++{ Captions+++++{ Caption/Text+{ Scan+mode+++++{ Tilt+++++++{ Degauss+++++++{ PIP+++++++{ Parental+ctl{ 0 Adjust}{+Back} 14 Degaussing In this TV, the magnetic field of the earth may influence the color purity of the picture. The picture can also be disturbed by other nearby magnetic influences or perhaps because of the location of the TV itself.

Stripes may appear on the screen or the color may not be equal in the corners. Use Degauss to reset the color purity. 1. @@2. Press the G and then use D/E button to select Degauss. 3. Press the G and then use D/E button to select On or Off. @@4. Press the exit button to save and return to TV viewing.

@@@@@@ If the picture condition is good, do not select Booster to On.

1. @@2. Press the G and then use D/E button to select Manual prog.. 3.

Press the G and then use D/E button to select Booster. 4. Press the G and then use D/E button to select On or Off. 5. Press the exit button to save and return to TV viewing.

@@@@@@1. @@2. Press the G and then use D/E button to select Favorite Ch.. 3. @@4. Use the F/G button to select the desired channel number. 5. Repeat steps 3 to 4. 6.

Press the exit button to save and return to TV viewing. To select a favorite channel, repeatedly press the fcr (Favorite Channel Review) button. Eight channels programmed appear on the screen one by one. Channel CH. EZ+Scan+++++{ Manual+prog.{ Favorite+Ch.{ _____ Move++){Adjust}{+Back Fine Tuning Adjustment Fine Tuning adjusts the picture to a stable condition when it is poor, for example, a horizontal stripe, twisted picture or no color in program.



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1. @ @2. Press the G and then use D / E button to select Manual prog.

3. Press the G and then use D / E button to select Fine. 4. @ @5. Press the ENTER () button to exit.

@ @ @ @ @ @ @ @2. @ @ @ @ @2. Press the G and then use D / E button to select EZ Video. 3. @ @4.

Press the exit button to save and return to TV viewing. Picture CH. @ @1. @ @2. Press the G and then use D / E button to select VM. 3. Press the G and then use D / E button to select High, Low, or Off. 4. Press the exit button to save and return to TV viewing. Picture CH.

@ @1. @ @2. Press the G and then use D / E button to select ACC. 3. @ @4. Press the exit button to save and return to TV viewing. Picture CH. @ @ @ @1. @ @2. @ @3.

Press the G and then use F / G button to adjust the level. The setting of highlighted menu option is displayed. Use the D / E button to select other options. 4. Press the exit button to save and return to TV viewing.

Picture CH. @ @ Use the arc button to select your desired picture format. @ @2. Press the exit button to save and return to TV viewing. @ @ @ @ @ The MTS function doesn't operate in the video mode.

1. Use the mts button to select your desired MTS mode. Each time you press this button, the Mono, Stereo, or SAP mode appear in turn. 2. Press the exit button to save and return to TV viewing. Notes · Stereo or SAP can only be received when the TV station transmits those signals, even though you have selected Stereo or SAP. · 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 mono sound in remote fringe areas during stereo/SAP broadcasting. EZ Audio You can enjoy the best sound without any special adjustment because the TV automatically adjusts the sound appropriate to the program character. Choosing a sound mode with the audio button 1.

Repeatedly press the audio button to select Virtual, Flat, Music, Movie, Sports, or User. 2. Press the exit button to save and return to TV viewing. User Choosing a sound mode with the Sound menu 1. Press the menu button and then use D / E button to select the Sound menu. 2. Press the G and then use D / E button to select EZ Audio. 3. Press the G and then use D / E button to select Virtual, Flat, Music, Movie, Sports, or User. 4.

Press the exit button to save and return to TV viewing. Notes · Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories. · Virtual lets you experience panoramic sound effects. Sound CH.

EZ+Audio AVL TV+Speaker Balance { { { { +++Virtual Flat Music Movie Sports Userrrrrrrr{ Move++Back} 19 Sound Setup AVL (Auto Volume Leveler) Sound AVL automatically maintains an equal volume level; even if you change channels. 1. Press the menu button and then use D / E button to select the Sound menu. 2. Press the G and then use D / E button to select AVL.

3. Press the G and then use D / E button to select On or OFF. 4. Press the exit button to save and return to TV viewing. CH. EZ+Audio AVL TV+Speaker Balance { { On { Off { Move++Back} TV Speaker Sound If you want to use your external hi-fi stereo system, select TV Speaker - Off to turn the TV internal speakers off. 1. Press the MENU button and then use D / E button to select the Sound menu. 2. Press the G and then use D / E button to select TV Speaker.

3. Press the G and then use D / E button to select On or Off. 4. Press the F button to exit. CH. EZ+Audio AVL TV+Speaker Balance { { On { Off Move++Back} Adjusting the Equalizer (User mode in EZ Audio) 1. Press the menu button and then use D / E button to select the Sound menu. 2. Press the G and then use D / E button to select EZ Audio. 3.

Press the G and then use D / E button to select User. 4. Press the G and then use F / G button to select the sound band and then use D / E button to adjust the desired level. 5. Press the exit button to save and return to TV viewing.

SOUND CH. EZ+Audio AVL TV+Speaker Balance {POPVirtual P0 { Flat { Music { Movie Sports +User User { Move++Next+{+Back} Equalizer 0.1 0.4 1 4 10kHz Move}{++Adjust++++Back Adjusting Balance 1. Press the menu button and then use D / E button to select the Sound menu.

2. Press the G and then use D / E button to select Balance. 3. Press the G and then use F / G button to adjust the balance level. 4. Press the exit button to save and return to TV viewing. Sound CH. @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ By selecting CC 1 or CC 2, you can choose which signal you view.

@ @ @ @ @ @ Usually caused by interference from automobile ignition systems, neon lamps, electrical drills and other electrical appliances. GHOSTS: Ghosts are caused when the TV signal splits and follows two paths.

One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception. SNOW: If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture. A A 2 An old, bad or illegally recorded tape is played. 3 Strong, random signals from a car or airplane interfere with the TV signal. 4 The signal from the antenna is weak. 5 The program wasn't captioned when it was produced, transmitted or taped. 21 Closed Captions

Using the Text Function Text services give a wide variety of information on all kind of subjects (ex. captioned program lists, weather forecasts, stock exchange topics, news for hearing-impaired---) through the full TV screen.

But not all stations offer text services, even though they might offer captioning. Note · In the event you receive a poor signal, an empty black box may appear and disappear, even when the text mode is selected. This is normal function in such an event. Captions On, Off, EZ mute Setup Captions set up with the cc button 1. Use the cc button to select On, EZ Mute or Off.

2. Press the exit button to save and return to TV viewing. On Captions set up with the Menu 1. Press the menu button and then use D / E button to select the Special menu. 2.

Press the G and then use D / E button to select Captions. 3. Press the G and then use D / E button to select On, EZ Mute or Off. Special CH. Language 4. Press the exit button to save and return to TV viewing. Note · EZ mute shows the selected captions option (if available on program) when the TV sound is muted. {

Input+++++++{ Key+lock++++{ Captions++++{ On Caption/Text+{ EZ+Mute Scan+mode+++{ Off Tilt+++++++{ Degauss+++++++{ PIP+++++++{ Parental+ctl{ Move++Back} Operating the Caption and Text 1. @ @2. Press the G and then use D / E button to select Caption/Text.

3. Press the G and then use D / E button to select CCI, CC2, CC3, CC4, Text 1, Text 2, Text 3 or Text 4. 4. Press the exit button to save and return to TV viewing. Note · This TV is programmed to remember which mode it was last set to, even if you turn the TV off.



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Special CH. Language { Input+++++++{ Key+lock+++++{ Captions+++++{ Caption/Text+{ Scan+mode+++{ Tilt+++++++{ Degauss+++++{ PIP+++++++{ Parental+ctl{ CC+1 CC+2 CC+3 CC+4 Text+1 Text+2 Text+3 Text+4 Move++Back} 22 PIP/Twin Picture Modes This function doesn't work in Component mode. PIP is not available when selecting "on" for Lock on/off in special menu, Parental ctl. Channel of Main Picture Watching PIP (Picture-in-Picture) PIP is a little picture placed on the larger main picture screen. Using the PIP feature enables you to see two different programs on the TV screen at the same time.

1. Use the pip button to select either the PIP mode or twin picture mode. Press the pip button repeatedly to select the desired sub picture size. The sub picture appears as indicated below. PIP [S] PIP [M] Twin Picture Main Picture +24 11 Channel of Sub Picture Sub Picture PIP Mode PIP off Channel Search 11 24

2. Use the pipch+ or pipch- button to select the desired channel for the sub picture. Note · Use the CH +/- button to select the next higher/lower channel for the main picture and use the pipch+/pipch- button to select the next higher/lower channel for the sub picture. Main Picture Sub Picture Twin Picture Mode Selecting the viewing source (in PIP and Twin picture modes) Source selection with the pip input button 1. Press the pip input button repeatedly to select TV, Video 1, Video 2, Video 3, or Video 4. 2.

Press the exit button to save and return to TV viewing. Special CH. Language Source selection with the menus 1. Press the menu button and then use D / E button to select the Special menu. 2. Press the G and then use D / E button to select PIP. 3. Press the G and then use D / E button to select Input. 4. Press the G and then use D / E button to select TV, Video 1, Video 2, Video 3, or Video 4.

5. Press the exit button to save and return to TV viewing. { Input+++++++{ Key+lock+++++{ Captions+++++{ Caption/Text+{ Scan+mode+++{ Tilt+++++++{ Degauss+++++{ PIP+++++++{ To+set PIP+++++++{ Parental+ctl{ Move++Next+{+Back} PIP+Menu PIP@DW+++++++{ Volume+++++++{ Input+++++++{ Channel+++++++{ Position+++++++{ PIP@DW+++++++{ TV+ Video+1 Video+2 Video+3 Video+4 Move++Back} 23 PIP/Twin Picture Modes (Continued) POP (Picture-Out-Picture) Use this Channel Search to view the pictures of all the programmed channels one-by-one on the 3 PIP screen display, while the main screen remains the current channel. Press the pip button in twin picture mode. The pictures of all the programmed channels are searched with the 3 PIP screen, as shown to the right. To exit channel search, press the exit button. Note · By pressing the swap button, you can see the channel being searched on the PIP screen through the main screen. Moving the Sub Picture (in PIP mode) Press the position button to change the sub picture position. Each press of position moves the sub picture in a clockwise direction. Swapping Main/Sub Pictures Press the swap button.

Each time you press swap, the the main and sub pictures exchange places. 5 24 SWAP 24 5 24 Still Picture (Freeze) Press the freeze button. In PIP mode, the sub picture is frozen. To cancel the still picture, press the freeze button again. Notes · If PIP mode is not active, the currently-viewed picture is frozen when the freeze button is pressed.

Still picture Still picture Twin Picture Mode PIP Mode Adjusting the Headphone Volume (in PIP and Twin picture modes) 1. Press the menu button and then use D / E button to select the Special menu. 2. Press the G and then use D / E button to select PIP. 3.

Press the G and then use D / E button to select Volume. 4. Press the G and then use F / G button to adjust headphone sound level. 5. Press the exit button to save and return to TV viewing. Note · This function doesn't work in COMPONENT mode. Special CH. Language { Input+++++++{ Key+lock+++++{ Captions+++++{ Caption/Text+{ Scan+mode+++{ Tilt+++++++{ Degauss+++++{ PIP+++++++{ To+set PIP+++++++{ Parental+ctl{ Move++Next+{+Back} PIP+Menu PIP@DW+++++++{ Volume+++++++{ 30 Input+++++++{ Channel+++++++{ Position+++++++{ PIP@DW+++++++{ Adjust+{+Back+ 25 Parental Control The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcast 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 the Parental Control Function, the following must be set. 1. Ratings and categories to be blocked. 2. Number of hours to lock the television viewing control. 3. Set a password. 4. Enable the lock.

V-Chip Rating and Categories Rating guidelines are provided by broadcast 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. For Movies Previously Shown in Theaters Movie Ratings: · Unblocked · G and Above (general audience) · PG and Above (parental guidance suggested) · PG-13 and Above (13 years and up) · R and Above (restricted) · NC-17 and Above (18 years and up) · X (adult) If you set PG-13 and Above, G and PG movies will be available; PG-13, R, NC-17, and X will be blocked. For Television programs including made-for-TV movies: General TV Ratings: · · · · · Unblocked TV-G and Above (general audience) (individual categories do not apply) TV-PG and Above (parental guidance suggested) TV-14 and Above (14 years and up) TV-MA (mature audience) Children TV Ratings: · Unblocked · TV-Y and Above (youth) (individual content categories do not apply) · TV-Y7 (youth, 7 years and up) Content Categories: · · · · · Dialog - sexual dialogue (applies to TV-PG and Above, TV-14) Language - adult language (applies to TV-PG and Above, TV-14 and Above, TV-MA) Sex scenes - sexual situations (applies to TV-PG and Above, TV-14 and Above, TV-MA) Violence (applies to TV-PG and Above, TV-14 and Above, TV-MA) F Violence - fantasy violence (applies only to TV-Y7) No Rating (blocks all viewing) 26 Canadian English language rating system: · · · · · Unblocked C and above (Children) C8 and above (8 years and up) G and above (General audience) PG and above (Parental guidance suggested) 14+ and above (Viewers 14 years and up) 18+ and above (Adult) Canadian French language rating system: · · · · · Unblocked G and above (General audience) 8+ and above (8 years and up) 13+ and above (13 years and up) 16+ and above (16 years and up) 18+ and above (Adult) Blocking Setup 1.



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Press the menu button and then use D / E button to select the Special menu. 2. Press the G and then use the D / E button to select Parental ctl. 3. Press the G and then set the initial 4-digit password "7-7-7-7" with the number keypad.

If Parental is already set, enter the password when requested. 4. Press the D / E button to select the Lock on/off. 5. Press the G and then use the D / E button to select the on or off. 6. Press the F and then use the D / E button to select the Set password. Special CH. Language { Input++++++{ Key+lock++++{ Captions++++{ Caption/Text+{ Scan+mode+++{ Tilt+++++++{ Degauss+++++{ PIP+++++++{ Parental+ctl{ Parental+cil{ To+set Move++Next+{+Back} parental+ctl Lock@on/off Set@password MPA Age@block Content@blk Aux.@block Canadian Move++Back} On { On { Off { { { { 7.

Press the G button. Enter a four number password. Enter it again when requested. 8. Press the F and then use the D / E button to select the types of blocking to be set. 9. Press the G and then use the D / E button to select the types of ratings to block. Age block, Content block, Aux. block, and Canadian options, also have sub menus; repeat steps 8 to 9 in sub menu, to set type of blocking and rating. 10.

Press the exit button to save and return to TV viewing. 27 Antenna Connections Combination VHF/UHF Antennas 300 ohm Flat Wire 300 ohm Flat Wire TV rear 75 ohm Antenna Jack 300 to 75 ohm Adapter 75 ohm Coaxial Cable 75 ohm CATV Cable 300 to 75 ohm Adapter Connecting an Outdoor Antenna For the best reception, we recommend you use an outdoor antenna. Severely weathered antennas and antenna cables can reduce the signal quality. Check antenna and antenna cables condition before making connections. Any service center can explain the various outdoor antennas available to you.

300 Ohm Flat Wire 1. Connect the 300 ohm flat wire to screws on the 300 ohm to 75 ohm adapter. 2. Push the end of 300 ohm to 75 ohm adapter into 75 ohm antenna jack. 75 Ohm Coaxial Cable 1.

Connect the 75 ohm coaxial cable directly to the 75 ohm antenna jack. Connecting a CATV Cable If you subscribe to a CATV system, change the antenna connection as described below. 1. 75 ohm Antenna Jack 300 to 75 ohm Adapter 2. 75 ohm CATV Cable from cable TV source 1. Remove the 300 to 75 ohm adapter or the cable from the set if attached. 2. Connect the CATV cable (75 ohm coaxial cable) to the 75 ohm antenna jack. 28 External Equipment Connection and Viewing Setup You can connect additional equipment, such as VCRs, camcorders etc. to your TV.

Connection panels shown here may be somewhat different from your TV. Here is an example drawing of a typical jackpack layout. ANTENNA 1 75 LL LL ANTENNA 2 75 R L DVI AUDIO INPUT DVI INPUT (DIRECTV STB) 7 in4 R audio L/mono video S-video 6 8 VARIABLE AUDIO OUT L OUT R-AUDIO-L VIDEO COMPONENT1 COMPONENT2 480i/480p/720p/1080i 480i/480p/720p/1080i 3 2 S-VIDEO IN3 Y L Y PB L AUDIO IN2 PB 4 9 S-VIDEO INPUT JACK AUDIO R IN1 R L/MONO VIDEO AUDIO R PR DVD/DTV INPUT PR R S-VIDEO INPUT JACK 1 5 1. IN 1 JACKS : Connect external equipment outputs (VCR, LASER DISC, CAMCORDER) to these inputs. Use the tv/video button to select Video 1. 2. IN 2 JACKS : Connect external equipment outputs (VCR, LASER DISC, CAMCORDER) to these inputs. Use the tv/video button to select Video 2. 3. IN 3 JACKS : Connect external equipment outputs (VCR, LASER DISC, CAMCORDER) to these inputs.

Use the tv/video button to select Video 3. 4. IN 4 JACKS : Connect external equipment outputs (VCR, LASER DISC, CAMCORDER) to these inputs. Use the tv/video button to select Video 4. 5.

DVD/DTV INPUT JACKS : Connect component output jacks to these inputs. Use the tv/video or comp/dvi button to select Component 1, Component 2. 6.

OUT JACKS: Connect external equipment inputs (VCR, Audio amplifier) to these outputs for recording or monitoring the selected program. 7.

DVI INPUT JACKS: Connect set-top box to these inputs. Use the tv/video or comp/dvi button to select DVI. 8. VARIABLE AUDIO OUT JACKS: Connect analog stereo amplifier to your front speaker. 9. EARPHONE JACK Note: This TV is programmed to remember which mode it was last set to, even if you turn the TV off. 29 External Equipment Connection and Viewing Setup (Continued) Connecting AUDIO/VIDEO IN Jacks 1. Connect the audio/video output jacks from the VCR to IN 1 (A/V) jacks on the TV. 2. Use the tv/video button to select Video 1.

· If you connect the audio/video output jacks from the VCR to the IN2, IN3 or IN4 jacks on the TV, select Video 2, Video3, or Video 4. 3. Press the PLAY button on the VCR. The video playback is on the TV screen. Notes · If using a monaural VCR, connect the output jack from VCR to the AUDIO L/MONO IN jack on TV so that the sound can be heard from both speakers. If you connect the output jack to the AUDIO R IN jack on the TV, the sound is only heard from right speaker. · When the input jacks on the front panel and back panel are connected to external equipment at the same time, the input jacks on the front panel have priority over the input jacks on the back panel of the TV. TV OUT R-AUDIO-L IN3 VIDEO Playback VCR IN2 IN1 R L/MONO VIDEO AUDIO TV Connecting an S-VHS VCR 1. Connect the S-VHS output jack from the VCR to the S-VIDEO jack on the TV. 2.

Connect the audio/video output jacks from the VCR to the IN 1 or IN 4 jacks on the TV. 3. Use the tv/video button to select Video 1 or Video 4. OUT R-AUDIO-L IN3 VIDEO Playback VCR IN2 S-VIDEO IN1 R L/MONO VIDEO AUDIO 4. Press the PLAY button on the VCR.

The video playback is visible on the TV screen. VCR Recording 1. Connect the audio/video input jacks from the recording VCR to the OUT (A/V) jacks on the TV back. 2. Select the program number on the TV.

3. Set the recording VCR to record. OUT R-AUDIO-L IN3 VIDEO Recording VCR IN2 IN1 R L/MONO VIDEO AUDIO TV 30 Recording a program from external equipment 1. Connect the output jacks from the playback VCR to the IN 1, IN 2, IN 3, or IN 4 jacks on the TV. 2. Connect the input jacks from the recording VCR to the OUT (A/V) jacks on the TV. 3. @@@@2. Turn on the DVD player and insert a DVD. 3.

@@Note · This TV is programmed to remember which mode it was last set to, even if you turn the TV off. TV INPUT Y PB PR COMPONENT1 COMPONENT2 480i/480p/720p/1080i 480i/480p/720p/1080i TV Y L Y PB L AUDIO PB AUDIO R PR DVD/DTV INPUT PR R DVD OUTPUT Y Y Y Y Cb Cr B -Y R -Y Pb Pr PB PR (L)-AUDIO-(R) Y Pb Pr DVD Player 31 External Equipment Connection and Viewing Setup (Continued) DTV (Set-top Box) Connection COMPONENT1 COMPONENT2 480i/480p/720p/1080i 480i/480p/720p/1080i 1. Connect DTV component video outputs to Y, PB, PR on the TV and audio outputs to right and left inputs of audio (L/R) jacks. 2. Turn on the digital set-top box. @@ · If you connect the DVI output jack of the DTV to the DVI input jack on the TV, select DVI.



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TV Y L Y Pb L AUDIO PB AUDIO R PR DVD/DTV INPUT PR R (L)-AUDIO-(R) Y Pb Pr or (L)-AUDIO-(R) DVI OUTPUT DTV Receiver R L DVI AUDIO INPUT DVI INPUT (DIRECTV STB) TV External Stereo 1. @.@2. @.@@.@@Be sure to turn the power off and pull out the plug before you begin any cleaning. Screen Cleaning 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.

Cabinet Cleaning 1. Use a soft cloth with a mild soap solution to wipe the cabinet. 2. Rinse the cloth and wipe the cabinet again. 3.

Let the cabinet air-dry before turning the TV on. Extended Absence If you expect to leave your TV dormant for a long time (such as a vacation), unplug the power cord to protect against possible damage from lightning or power surges. If you use an off-air antenna, you may also want to disconnect it from the back of your TV before leaving. 34 Troubleshooting Checklist SYMPTOMS No power No picture or sound Poor picture but good sound Poor reception Lines in picture Ghosts (multiple images) Remote control does not work. Cannot tune desired channel. CHECK THESE THINGS Is power cord plugged in? Is television turned on? Check batteries in remote control. Try another channel (station trouble). Check antenna connections.. Check for local interference.

Adjust the antenna. Adjust the picture control. Program channel using AUTO PROGRAM. 35 ZENITH ELECTRONICS CORPORATION Direct-View 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. WARRANTY PERIOD: LABOR: 90 days from the Date of Purchase. PARTS: One Year from the Date of Purchase. PICTURE TUBES: 2 Years 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. Visit our website at <http://www.zenithservice.com>

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