



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH H20H52DT. You'll find the answers to all your questions on the ZENITH H20H52DT in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual ZENITH H20H52DT**  
**User guide ZENITH H20H52DT**  
**Operating instructions ZENITH H20H52DT**  
**Instructions for use ZENITH H20H52DT**  
**Instruction manual ZENITH H20H52DT**

Installation and Operating Guide | Warranty

Model Number | **H20H52DT**  
**HW20H52DT**



Please read this manual carefully before operating your set.  
Retain it for future reference. Record model number and serial number of the set.  
See the label attached on the back cover and quote this information to your dealer  
when you require service.

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Internet Home Page : <http://www.zenith.com>  
P/N : 3828VA05188 (A) (FCH-50)



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**Manual abstract:**

Record model number and serial number of the set. @@@@NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. POWER CORD POLARIZATION: This product is equipped with a 3-wire grounding-type alternating current line plug. 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, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the three-wire ground type plug.

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.). @@@@If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following Measures: · Reorient or relocate the receiving antenna.

· Increase the separation between the equipment and receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. · Consult the dealer or an experienced radio/TV technician for help. CAUTION: Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product.

COMPLIANCE: The responsible party for this product's compliance is: Zenith Electronics, Inc. 1000 Sylvan Avenue, Englewood Cliffs, NJ 07632. © Copyright 2004 Zenith Electronics Corporation 3-WIRE COMM-WARN B-2/02 1-201-816-2000 IMPORTANT SAFETY INSTRUCTIONS Important safeguards for you and your new product. Your product has been manufactured and tested with safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into the new product, please read and observe the following safety points when installing and using the new product, and save them for future reference. Observing the simple precautions discussed in this guide can help get and enjoy many years of safe operation that are built into your new product. This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association.

1. Read Instructions All the safety and operating instructions should be read before the product is operated. 2. Follow Instructions All operating and use instructions should be followed. 3. Retain Instructions The safety and operating instructions should be retained for future reference. 4. Heed Warnings All warnings on the product and in the operating instructions should be adhered to. 5. Cleaning Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. 6. Water and Moisture Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool. 7.

Accessories, Carts, and Stands Do not place this product on a slippery or tilted surface, or on an unstable cart, stand, tripod, bracket, or table. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. 8.

Transporting Product A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn. 9. Attachments Do not use attachments not recommended by the product manufacturer as they may cause hazards. 10. Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. 11. Power Sources This product should be operated only from the type of power source indicated on the marking label.

If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions. 12. Power Cord Polarization This product is equipped with a polarized alternating current power plug (a plug having on blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. 13.

Power Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product. 14. Outdoor Antenna Grounding If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.

A.), ANSI/NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. PORTABLE CART WARNING (Continued on next page) Page 3 IMPORTANT SAFETY INSTRUCTIONS (Continued from previous page) Ground Clamp Antenna Lead in Wire Antenna Discharge Unit (NEC) Section 810-20 Electric Service Equipment Grounding Conductor (NEC Section 810-21) Ground Clamps NEC - National Electrical Code Power Service Grounding Electrode System (NEC Art 250, Part H) 15.



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*Lightning For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line Surges.*

*16. Power Lines An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal. 17. Overloading Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock. 18. Object and Liquid Entry Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. 19. Servicing Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards.*

*Refer all servicing to qualified service personnel. 20. Damage Requiring Service Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: a. If the power-supply cord or plug is damaged. b. If liquid has been spilled, or objects have fallen into the product. c. If the product has been exposed to rain or water. D. 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. E. If the product has been dropped or the cabinet has been damaged. f. If the product exhibits a distinct change in performance.*

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

*23. Wall or Ceiling Mounting The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product. 24. Heat The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. 25. CAUTION concerning the Power Cord: Most appliances recommend they be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous.*

*Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. 26. Outdoor use Marking WARNING - To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. 27. Wet Location Marking Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed over a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end. Page 6 Cable Service (CATV) Hook Up Connect cable service to the HealthView TV.*

*Locate the Antenna/Cable jack on the back of the HealthView TV. Connect the cable service wire that runs from the wall, according to one of the diagrams to the right. Remove the back of the optional remote and put in two AA batteries. 1 2 Cable TV Wall Jack TV Back 3 ANTENNA CABLE TV SPEAKER RF Coaxial Wire (75ohm) M.P.*

*I. VIDEO IN PILLOW SPEAKER SPEAKER OUT Back of Remote TV Back Panel (Expanded View) AUDIO IN 4 Plug in the TV. The HealthView TV is designed to operate on standard current, 120-volt 60 Hertz AC. Do not attempt to modify the TV. 4 SPKR.*

*5 6 1 VOLUME CONTROL 2 (MALE PLUG) 3 TV ON/OFF CHAN DOWN CHAN UP Pin no. 1 2 3 4 Purpose External TV On/Off switch (Not used) External Channel Up switch or Data in Common connection for control, data, and Audio output. Impedance to earth ground is a 8.2- meg resistor in parallel with a 1000 pf capacitor. Isolated audio output. Nominal 14-ohm source impedance with short circuit protection. Intended for a pillow speaker with a low-impedance pad-type volume control. Controlling the TV with mechanical switches Pin 4 (common) is momentarily connected to pin 1, 3, or 6 via push-action switches to control On/Off and Channel Up/Down. These pins are at +13 volts DC (when measured from pin 4) with the switches open. Current draw is 8 mA when a switch is closed.*

*(This operation using the 5-Wire Interface except that only +7 volts DC was supplied and current draw was only 2.5 mA). 1 4 5 6 1 2 5 3 3 4 2 TV ON/OFF OPEN CHAN UP/DATA IN COMMON AUDIO OUT CHAN DOWN 5 6 External Channel Down switch 6 Page 11 Auto Program (Channel Search) Use Auto Program to specify Cable TV or Off Air Antenna incoming signal source and automatically store in the memory of the TV, all of the channels that are found by the channel search. AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE 1 2 3 With the optional Installer remote control in hand, press the POWER key to turn on the HealthView TV. Press the MENU key to show the Setup menu. Using SELECT on the remote control, highlight Auto Program on the screen. Press the Right or Left ADJ (Adjust) arrow to go to the Auto Program menu. Using SELECT, choose either Cable TV or Off Air Antenna on the screen. Press the Right or Left ADJ arrow to begin the Channel Search.*

*Press ENTER when the channel search is complete. POWER FLSHBK 1 MUTE CC 4 FM TV/UM E VOL - + NEL CHAN 1 4 2 5 8 3 6 9 ENTER + 5 6 7 7 0 BED 1 TIMER MENU BED 2 BANK 7 2 3/5 4/6 SELECT CH PREVIEW Auto Program finds channels being received by the TV tuner.*



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Cable will not work unless the hospital provides a cable service. ADJ ADJ Optional Installer and Patient Remote Controls: Shown herein are optional remote controls that can be used by the installer and the patient. Be advise that these remote controls are NOT included with this TV. However, these remotes can be purchased separately, see your Zenith dealer. Mini Glossary OFF AIR ANTENNA If the patient can only view over-the-air broadcast, select Antenna. CABLE If you provide cable service to the patients, select Cable. Page 12 Front Panel Controls Using the front control panel to operate the television. 1 2 3 4 Press the POWER button to turn on the HealthView TV. Use the CHANNEL button to cycle through available channels. Use the VOLUME button to adjust the sound level of the HealthView TV. Press CAPTIONS repeatedly to turn selected closed captions option On or Off. (See Captions Page19). 1 2 3 4 power channel volume captions Page 13 Installer Remote Key Functions A quick list of the keys on the optional HP602 installer's remote and what they do. POWER Turns TV On or Off. CC (CLOSED CAPTIONING) Press to access closed captions. Press ENTER to exit. TV/FM Selects TV or Radio on TVs equipped with FM radio. VOLUME LEFT/RIGHT Adjusts the sound levels.

ENTER Press to view the Channel/Time display or to remove any on-screen display or menu. TIMER Press repeatedly to adjust TV turn-off time up to 4-hours. Use to pick AM/PM in Clock menu. MENU/SELECT/ADJ (ADJUST) Press MENU repeatedly to scroll through either the Installer, or User menus. Use SELECT to choose an option and ADJ (adjust) to change the selected option. POWER FLSHBK FLASHBK (FLASHBACK) Return to the last channel viewed. MUTE Turns sound Off and On, while the picture remains. CHANNEL (UP/DOWN) Tunes to next available channel. MUTE CC FM TV/ UME VOL 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + NUMBER KEYPAD Selects channels directly and enters numeric values for some options. BED 1/BED 2 (\*See Note Below) Determines the code set transmitted, Bed 1 or Bed 2.

Switch setting must correspond to item 27, HOSPITAL MODE setting in the TV's Installer Menu. BANK Press and repeat to select a Channel Memory Bank - 1, 2, 3, or 4 (standby). CHANNEL PREVIEW Gives installer access to the patient's menus. Displays the available TV channels and patient's Parental Control menu. BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ ADJ 124-213-06 remote control part number HP602 \*Note: Bed 1 - Bed 2 switch on installer/patient remote. The position of the Bed 1 - Bed 2 switch must correspond to the setting in the Installer's menu. The switch above can be set by sliding it to the Bed 1 or Bed 2 position. On the patients' remote, the Bed 1 or Bed 2 position can be selected by using a paper clip or a ball-point pen to slide the switch to the correct position. Left position = Bed 1. Right Position = Bed 2.

Page 14 On-Screen Menus Overview Descriptions of the menus on the TV. Using the Menu button on the optional installer's remote, the installer can access all the menus below. Menu Name Setup Menu Auto Program Add/Del/Blk Channel Labels Clock Set On/Off Timers Captions Language Video Menu FM Radio Menu Parental Control 11 15 16 17 18 19 20 21 22 24 26 Channel/Time Sleep Timer Volume Captions Ch Preview Channel Bank Inactive TV INSTALLER MENUS 30 Page Description Adjusts the basic characteristics of the TV Automatically finds and stores active channels to scroll through using Channel Up/Down. Manually choose which active channels will appear when using Channel Up/Down. Labels the channels with their network names (ABC, CBS, HBO, etc.) or create custom names. Sets the time. Set the timers to automatically turn the TV On/Off each day at the preset time(s). Chooses the captioning or text option. Chooses the language the on-screen menus will appear in.

Video Menu Adjusts the picture appearance. The options are: Contrast, Brightness, Color, Tint, Sharpness, Picture Pref. Adjusts the FM Radio options. Allows installer to restrict viewable programming for up to 99 hours, with the use of a password. OTHER MENUS AND ON-SCREEN DISPLAYS Shows the current time, selected channel and XDS\* data if available. Sets the time the TV will turn off. Shows current sound level. Sets Caption/Text options. Displays the available channels list. Shows currently selected channel bank.

Prompts the patient to arrange for TV service. Sets up the TV's operating features. \*XDS (Extended Data Service) Additional program information provided at the discretion of the broadcaster. May include: title of broadcast, length of broadcast, and time remaining until end of broadcast. Page 15 Setting Up Channel Line Up/Add/Delete/Blank Fine-tune the patient's channel selection list.

1 Press the MENU key on the optional Installer's remote to show the Setup menu on the screen. Press SELECT repeatedly to highlight the Add/Del/Blk option. Using either the NUMBER keypad and ENTER or the Channel Up/Down arrows on the remote, select a channel. (If adding a deleted channel, you will need to use the number keypad and ENTER). Using the Right/Left ADJ arrow, choose whether the channel is Added, Deleted, or Blank. To continue, select another channel and repeat Step 3. When you are finished, press ENTER to remove menu. Adding VCR 3, VCR 4, or FM to the Channel Preview List Go to the Setup menu, select the Add/Del/Blk option. Use Channel Up/Down to select the option and choose Added. Note: If the option was turned off in the Service menu, you will have to reinstate it before it can appear as an option in the Channel Preview list. Note: You can elect to Add, Delete or Blank: VCR 3 and VCR 4. FM can be Added or Deleted, but not Blanked. SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE CH 44 ADDED 2 3 4 POWER FLSHBK MUTE CC FM TV/ 5 UME VOL 1 + NEL CHAN 1 2 5 8 3 6 9 ENTER + 3 3 4 7 0 3/5 1 BED 1 TIMER MENU BED 2 BANK 2 ADJ SELECT CH PREVIEW ADJ 4 If you delete a channel, it isn't gone for good. Just select it using the NUMBER keypad on the remote, or add it later.

Mini Glossary ADD Adds new channels to the list that the patient can scroll through when using the remote. DELETE Removes channels for one reason or another from the list that the patient can scroll through. BLANK Removes the video signal from a channel so the patient will only receive the audio signal.

Page 16 Setting Up Channel Labels Overview Channel Labels help the user identify the channel or network being viewed. In the Setup menu with the CH LABELS option highlighted, use the Adjust Left/Right arrows to scroll through the available channel labels, such as, A & E, AMC, ESPN, HBO, etc. These are a series of alphabetically organized preset labels from which you can choose the more common networks. Use any of these or create custom labels.



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---, The 4 dashes will allow a channel label to appear; if one is provided by XDS. (Extended Data Service). NONE, prevents any channel label from appearing.

LAB 1, thru LAB 20, are the 20 programmable labels. The 20 programmable labels can be customized for your needs. Each programmable label has 5 characters spaces available. To Program a Channel Label First select a channel using the NUMBER keypad and ENTER or the Channel Up/Down arrows, on the optional Installer's remote control. (To select a deleted channel, use the NUMBER keypad and ENTER).

To program a channel label, go to the Setup menu and select CH LABELS. Press the Right/Left adjust arrow to scroll the available preset labels. Scroll past ---, scroll past NONE, to go to the first programmable label slot, LAB 1. Notice that the label appears with the title LAB 1, and is also on a dark background; which will distinguish it from the preset labels. Operating the Menu Use Volume Up/Down to select the first letter.

Press MUTE to clear the label if necessary. Use Channel Up/Down to change the character to one of the 255 characters available. (A blank letter space is available if required, after the "!" Symbol). SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE CH 32 ABC POWER FL SHBK MUTE CC FM TV/ UME VOL 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ ADJ Adjust Left/Right Switches to the next label. - - moves to the next or previous Label. Volume Up/Down Selects character spaces - - moves to the next or previous character space. Channel Up/Down Scrolls through the available characters. ENTER Accept the channel label and removes the menu. MUTE Removes current label, - - if first character space is selected.

Page 17 Clock Set SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE CLOCK MENU T O SET CLOCK CLOCK SET TIME ZONE DAY. SAVING AUTO PRESS SELECT TO CHOOSE PRESS ADJ TO CHANGE AUTO OFF ON AUTO EASTERN CENTRAL MOUNTAIN PACIFIC SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE CLOCK MENU CLOCK SET TIME SET T O SET CLOCK 10:43 AM MANUAL TIMER PRESS SELECT TO CHOOSE PRESS ADJ TO CHANGE 1 2 5 8 3 6 9 ENTER 1 3 1 4 2 ADJ Clock Auto/Manual Operating Modes Setup Use MENU, SELECT, and ADJ Left/Right to choose the Clock menu and to set up the clock menu options, with the optional Installer's remote. Clock Mode Auto: TV automatically sets the time. Time Zone: User can choose the time zone or have the TV set it automatically. Day. Savings: User can choose to have daylight savings adjust the clock time one hour, or have the TV adjust it automatically. Manual: User sets the time on the clock. Use ENTER repeatedly to remove menus.

4 7 0 5 BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ 3 The clock can also be set using 24 hour "military time." For p.m. Settings add 1200. For example, to set 6:30 p.m., add 1200 to 630, = enter 1830. For Auto Clock Set to work, TV must be tuned to a channel that has XDS data available. Auto Clock Set, sets the time only once while the TV is on. To set the clock with XDS data, turn TV off, then back on again, or set the clock time manually.

Mini Glossary TIME A four-digit figure broken down into hours and minutes, used to enter the current time when setting the clock or wake-up alarm. First two digits that are entered when setting the clock or the wake-up alarm. The last two digits that are entered when setting the clock, or the wake-up alarm. Chooses AM or PM when setting the clock. HOURS MINUTES TIMER Page 18 Setting On/Off Timers Set up On/Off Timers Note: On/Off Timers operate independently of each other. SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE ON TIME OFF TIME TO SET TIMER ON/OFF TIMER TIMER 9:00 AM 7:00 PM ON 1 2 3 On the optional HP602 Installer's remote, press MENU repeatedly until the Setup menu appears. POWER Press SELECT repeatedly to highlight the Timer option, press the Right arrow. Use SELECT to choose an option. Use the number keypad and/or the Left/Right ADJ arrows to enter the times.

To set PM, add 12 to the hours. For example, to set 6:00 p.m. Use the number keypad to set 1-8-0-0. (6 for the hours and the extra 12 for PM.) Do not use the TIMER key to set AM/PM. Press ENTER to remove menu and return to TV viewing. Your options are: · On Time Sets a time that the TV will turn itself On each day. · Off Time Sets a time that the TV will turn itself Off each day. · On/Off Timer Enables or disables the On/Off Timer functions.

(The On/Off Timer can be disabled but the settings will be retained). CC FL SHBK MUTE FM TV/ UME VOL 1 + CHAN NEL 2 5 8 3 6 9 ENTER + 3 4 7 4 0 1 3 2 4 BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ ADJ 2/3 The clock must be set before the Timers will function. The Off Timer can be used to turn the TV off at the preset time. Note: No On Timer setting is required to use the Off Timer feature. Mini Glossary TIME A four-digit figure broken down into hours and minutes, used to enter the time when setting the clock or programming timers.

First two digits that are entered when setting the clock or programming timers. (Add 12 for PM settings). The last two digits that are entered when setting the clock, or programming timers. Page 19 HOURS MINUTES Captions (Captions/Text) Set up Closed Caption/Text options for the user. SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH.

LABELS CLOCK SET TIMER CAPTIONS LANGUAGE CAPTIONS SETUP OPER. MODE SEL. CC TYPE CC CAPTION CC ON MUTE CAPTION LOCK PRESS SELECT TO CHOOSE PRESS ADJ TO CHANGE ON, OFF ON, OFF ON, OFF QUICK/MUTE TO SET CAPTIONS CAPTION 1 CAPTION 2 CAPTION 3 CAPTION 4 TEXT 1 TEXT 2 TEXT 3 TEXT 4 SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE CAPTIONS SETUP OPER. MODE SEL. CC TYPE CAPTION LOCK STANDARD CAPTION 1 CAPTION 2 CAPTION 3 CAPTION 4 TEXT 1 TEXT 2 TEXT 3 TEXT 4 OFF TO SET CAPTIONS PRESS SELECT TO CHOOSE PRESS ADJ TO CHANGE ON, OFF Closed Captions/Text Operating Modes Setup Use MENU, SELECT, and ADJ Left/Right to choose the Closed Captions/Text mode and to set up the other menu options for the user with the optional Installer's remote. POWER FL SHBK CC MUTE FM TV/ Quick/Mute When CC is pressed: User can only turn Captions on/off. (If CC on Mute is on, shows captions option on mute.) (If locked, type is retained with Power on/off.) Standard When CC is pressed: User can choose a captions type.

(If locked, type is retained with Power on/off.) UME VOL 1 4 7 + CHAN NEL 1 + 2 5 8 3 6 9 ENTER Press ENTER repeatedly to remove menus. 0 2 Standard closed captioning is available using the Caption 1 option.



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BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ ADJ Caption/Text are features which allow the Concierge TV to receive the closed caption and/or text options if made available by the broadcaster. Availability and functionality of Caption/Text options are determined only by each broadcaster and may not be available in your area Mini Glossary CAPTIONS The term for the words that scroll across the bottom of your TV screen; usually the audio portion of the program provided for the hearing impaired. 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. Page 20 Language Choose the language for the on-screen menus. SETUP MENU AUTO PROGRAM ADD/DEL/BLNK CH. LABELS CLOCK SET TIMER CAPTIONS LANGUAGE ENGLISH 1 Press the MENU key on the optional Installer's remote control so the Setup menu appears. POWER 2 Use the SELECT key on the remote control, to highlight Language on the screen.

Press the Right/Left ADJ arrow to choose one of the following options: English, Spanish or French. Press ENTER to return to TV viewing. CC FM TV/FLSHBK MUTE 3 4 UME VOL 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + 1 4 BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW 2 ADJ ADJ 3 Page 21 Video Menu Use the Video menu to customize the picture appearance. 1 Press the MENU key repeatedly until the Video menu appears, on the optional Installer remote. Your options are: · Contrast: Adjusts the level of difference between white and black in the TV picture.

The more contrast, the brighter the picture appears. · Brightness: Increases or decreases amount of white in the TV picture. · Color: Adjusts levels of all colors in the TV picture. · Tint: Balances between amounts of red and green in the TV picture. · Sharpness: Raises or lowers the definition of the TV picture.

The lower the level, the softer the images will appear. T POWER FLSHBK MUTE CC M V/F UME VOL · Picture Preference: Choose either Custom or Preset. Custom allows you to set the picture the way you want. Preset moves all the above options back to their original, factory-set levels. 1 4 + CHANN EL 2 5 8 3 6 9 ENTER + 2 3 4 Using SELECT on the installer's remote control, choose Contrast on the screen. Using the Right/Left ADJ arrow, change the contrast level to your preference. Press ENTER, or MENU one more time to return to TV viewing, or repeat from step two to set the other menu options.

Picture Preference 7 0 1 2/A 4 BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ ADJ 3/B A B Use SELECT to choose Picture Preference on the screen. Use the Right/Left ADJ arrow, to choose either the original settings with Preset, or your own settings with Custom. Choose the Preset option in Picture Preference to quickly reset the levels to their original values.

Page 22 FM Radio Menu Use the FM Menu to customize FM Radio options. SETUP MENU AUTO PROGRAM FM ADD/DEL FM. LABELS CLOCK SET TO PROGRAM 88.1 ADDED 88.1 JAZZ 3:42 PM TIMER 1 2 Press TV/FM and choose the FM Radio operating mode, on the optional Installer's remote. Press the MENU key repeatedly until the FM Setup Menu appears. Your options are: · Auto Program: In FM Mode, finds the available FM stations and puts them on the MUSIC ID list. You can select a station from this list with CHANNEL Up/Down. · FM ADD/DEL: ADD or DEL (delete) a station in the MUSIC ID list. Stations on this list can be selected with CHANNEL Up/Down.

Press ADJ (adjust) Left/Right to select ADD or DEL. Select the applicable station with CHANNEL Up/Down or Numbers, then press ENTER if you used Numbers. ADD Adds station to the MUSIC ID List. DEL deletes station from the MUSIC ID list · FM Labels: Lets you label the stations on the MUSIC ID list. Labels include: Classical, Country, Jazz, News, Oldies, Religious, Rock, Sports, Talk, and Other.

· Clock Set: Set the clock in this menu the same way as described on page 17. For manual clock set, use the number keypad. Use TIMER to change AM/PM, followed by ENTER to clear the screen. POWER FLSHBK MUTE CC 1 FM TV/ UME VOL 1 4 7 0 + NEL CHAN 2 5 8 3 6 9 ENTER + 2 3 BED 1 TIMER MENU BED 2 BANK SELECT CH PREVIEW ADJ ADJ 4 3 4 Use SELECT to choose which option you wish to set Up. Use ADJ Left/Right to set those options.

Page 23 Radio Menu Options Descriptions of the FM Radio Installer's menus. (Station/Time/Audio Display) SETUP MENU AUTO PROGRAM FM ADD / DEL FM LABELS CLOCK SET TO PROGRAM 107.9 ADDED 88.1 ROCK 11:44 PM CH MUSIC ID 88.1 90.1 90.4 94.1 94.3 95.5 97.

4 101.2 104.2 106.5 88.1 MONO 3:42 PM ---CLASSICAL COUNTRY JAZZ NEWS OLDIES OTHER RELIGIOUS ROCK SPORTS TALK TO SELECT, ENTER TO QUIT In FM mode using the Menu button on the optional Installer's remote, the installer can access the menus shown above. Press ENTER to show the FM Radio Station/Time/Audio Signal on-screen display. Menu Name Description FM SETUP MENU OPTIONS FM Setup Menu Auto Program Adjusts the basic features of the FM radio Automatically finds and stores all active FM radio stations within the range of 87.7 - 107.9. The user can then choose any FM radio station stored in memory using Channel Up/Down, in FM radio mode.

Use to edit the list of active FM stations found with auto program. All stations found are automatically included into memory, however, for one reason or another, you may want to delete or add some FM stations. Note: To add a deleted channel, run FM auto program again. Assign a label for the type of radio station. Highlight FM Labels.

Use CH Up/Down to choose a station, then use the Left/Right arrow to select a classification like ROCK. For example, if the label ROCK is assigned to FM station 88.1, then "ROCK" will appear in the active stations list next to 88.1, whenever the Music ID display is shown. Other labels available (besides Blank - - -) include: CLASSICAL OTHER COUNTRY RELIGIOUS JAZZ ROCK NEWS SPORTS OLDIES TALK Sets the FM radio's clock memory to the correct time.

Set the clock in this menu the same way as described on page 17. To manually set the clock, highlight the Clock Set option, then use the numbers on the remote to enter the current time directly. Press TIMER to choose AM or PM, then press ENTER to remove the menu. Note: You can also enter the time directly using the 24-hour time system. For example, to set 2:30 p.m., key in 1430 then press ENTER and AM/PM will be set for you. Use this method if you use the LT2000 remote which does not have a TIMER key. Shows currently selected FM radio station, current time (if set), and incoming audio signal. Shows available FM radio stations in memory.

Press ENTER to show ID. FM Add / Del FM Labels Clock Set STATION/TIME MUSIC ID Page 24 Installer Parental Control Menu If used, this optional feature can "block" undesirable programming from appearing on the TV.



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Parental Control offers the user a wide variety of options and settings that restrict or "block" the programming that can appear on the TV. Parental control allows the user the capability of defining which program rating they consider acceptable, to the younger or more sensitive viewer. The AUX input can also be blocked. It can be preset and turned either on or off by the user who specifies a secret 4-number code, the password. The number of hours blocked are specified. General audience and children viewer blocks can both be programmed into the TV's memory. Viewer ratings are specified for both TV and the motion picture industry; both rating systems can be used. The ratings are based mainly on the ages of children. Overview To insure complete coverage for all TV programs, (movies and regular TV shows) choose a rating for MPAA, from the selections below AND choose ratings from the TV Parental Guidelines Rating System on the next page, using the Age Block option for General Audiences, and for Children.

In addition to those, you may wish to add additional restrictions from the Content Block menu. See the Parental Control menu, and submenus example on the next page. Things To Consider Before Setting Up Parental Control Determine which rating you consider acceptable to the viewer. (For example, if you choose TV-PG, all more restrictive ratings will be automatically blocked; the viewer will not be able to see: TV-PG, TV-14, or TV-MA rated programming.) Block program "Content" based on individual parameters such as: Strong Dialog, Mature Language, Sex Scenes, Violence Scenes, or Fantasy Violence Scenes; in the Content Blk option.

How many hours do you want Parental Control to be active? You can set the Hours option for up to 12 hours. Select a secret password; in the Set Password option. Use the number keys on the remote. Don't forget the password, it is the only way you can access the Parental Control menu and change rating selections, or turn Parental Control off. Do you want Parental Control to be active all the time? If not, you can turn it on or off; with the Lock On/Off option. You can set different Parental Control viewing restrictions for general audiences and for children -- both can be active at the same time. Simply specifying one content block such as Sex Scenes, will not automatically block another content in the programs from appearing. You cannot disable Parental Control by disconnecting the TV from power. Block hours remaining will be retained if power is lost or power cord is disconnected. The AUX input source can also be blocked. Note Reset Parental Control Block Hours to Zero and Cancel Password This provides the institution staff and the installer a means to reset the TV to normal operation, if a patient has either forgotten the password or has left Parental Control Block active after departing. On the installer's remote control, press and hold down MENU until the menu disappears (about 6 seconds). Immediately press 9, 8, 7, 6 and then CC. This will reset the Block Hours to Zero and cancel the current 4-number password. Page 25 Installer Parental Control Menu After you have read the preceding page, follow instructions below to set up and activate Parental Control.

AGE BLOCK SETUP MENU VIDEO MENU PARENTAL CONTROL AUX SOURCES MPAA RATING AGE BLOCK CONTENT BLK SET HOURS SET PASSWORD LOCK ON OFF TO BLOCK TO BLOCK Note: Use the installer's remote control to specify Parental Control settings. GENERAL CHILDREN UNBLOCKED PRESS CC TO RETURN CONTENT BLOCK DIALOG LANGUAGE SEX SCENES VIOLENCE F VIOLENCE NO RATING UNBLOCKED PRESS CC TO RETURN 1 2 Press MENU repeatedly until the Parental Control Menu appears using the optional Installer's remote. With the Parental Control menu on-screen, use the SELECT button to access the MPAA Rating menu and customize the level of restriction. Use the Left/Right ADJ arrow to adjust or set the rating for an option, for example, use the "PG" setting. (See the Mini Glossary, Ratings Charts on pages 38 and 39 for rating descriptions.) After you have selected and adjusted the parental control menu options to your preferences: - Set the number of hours Parental Control will be on. - Set a 4-number password. - Set the Lock On/Off option to either on or off. 7 0 8 9 ENTER 1 2 3 BED 1 TIMER MENU BED 2 BANK 3 SELECT CH PREVIEW ADJ ADJ 4 Note: Some broadcasts do not include rating information. Make Parental Control restrictions permanent, with no preset or fixed hours time limit In the Installer's Menu, Item 84: PERMANENT BLK, 0 or 1.

0 1 Blocking restrictions always active, no time limit. Restrictions limited to specified hours, 12 - 99. To Turn the Parental Control Feature Off/On In the Installer's Menu, Items: 21-I V-CHIP, 0 or 1, 51-I DIS. VCHIP M., 0 or 1 Options Setups for V-Chip Menu and Block Functions 21-I V-CHIP 51-I DIS. VCHIP M. 0 0 1 1 0 1 0 1 No menu, no blocking. Shows menu, Block functions. No menu, Block functions. Reset the Maximum Number of Parental Control Default Block Hours You can change the Block hours from the 12-hour default setting to up to 99 hours. In the Installer's Menu, item: 22-I MAX BLK HRS 12, use the ADJ Left/Right adjust arrow to set a different default number of hours. Page 26 Other Menus & On-Screen Displays Use the keys indicated below to access these menus and displays, on the optional remote. SLEEP TIMER CHANNEL BANK BANK 3 OFF CC CAPTION 1 IS ON PRESS TIMER Channel Banks Menu Press BANK. @@ Turns selected option on or off. @@@@ @@@@ . @@@@ The user then opts for a package. Below is an example of how TV channels may be grouped. @@@@ Sometimes, only one or two channel banks may be needed.

@@ However, you may want to leave at least one channel in any unused bank. Then, if someone selects an "unused" bank, that channel will assure them that the TV is functional. Note: Some channels from factory testing may be in the channel banks if you have not yet run Auto Program. @@2. @@@@ You may delete channels or add some that have not been entered. @@ The "ADD/DEL/BLNK" item on page 15 has more details. Note: The Blank Channel feature is global. A channel will be blanked in all channel banks. 4. Repeat steps 2, and 3 to program another channel bank.

@@@@I. Run Auto Program (in the Setup menu). @@ . @@@@ Figure 2. @@@@ A channel blanked, is blanked in all channel banks. @@@@ To exit the Installer's Menu, press ENTER again. Changes you make will be stored in nonvolatile memory. The Installer's Menu opens with item 00-I, INST. SEQ. Use the SELECT key to sequence through the available menu items. @@@@ To change a current setting use the Left/Right ADJ keys. @@@@ Normally these items do not require adjustment. Items in the Installer's Menu: 0-I to 25-I Menu Item 0-I. 1-I. 2-I. 3-I. 4-I. 5-I. 6-I.

7-I. 8-I. 9-I. 10-I. 11-I. 12-I. 13-I. 14-I. 15-I. 16-I.  
17-I. 18-I. 19-I. 20-I. 21-I.  
22-I. 23-I. 24-I.



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25-I. Function INSTALLER.

SEQ POWER MANAGE AC ON BAND/AFC STRT CHANNEL CHAN LOCK GHOST CH START VOLUME MIN VOLUME MAX VOLUME MUTE DISABLE KEY DEFEAT IR BANKS EN. SCAN MODE STRT CH IN SM SLEEP TIMER EN. TIMER ALARM RADIO NOT USED FEATURE LEVEL V-CHIP MAX BLK HRS CAPTION LOCK TEXT MODE FUNCTION PRE.0 0/1 0/1 0 - 99 0/1 0/1 0-3 1 Zen 1 1 12 0 1 0 Leave default set 1 (1 Zen 1) Set to 1 to enable V-Chip Select number of Parental Control blocking hours. Set to 1 to retain caption setting at turn off. Set to 1 to add Text option to closed caption menu. Controls channel preview in Pay-Per-View function menu. Value Range 0-3 0-7 0/1 0-7 0 - 255 0/1 0/1 0 - 63, 255 0 - 63 0 - 63 0/1 0/1 0/1 0-3 0/1 0/1 0/1 0/1 0/1 Default Value 0 0 0 0 255 0 0 255 0 63 0 1 0 1 0 1 1 1 1 Brief Description of Function and Comments Changes installer Entry Sequece. Leave default set 0 0 (9876), 1 (4321), 2 (1478), 3 (3698) Sets number of hours of no activity before auto shutoff. Set to 1 to enable auto turn on at power up.

Tuning band, see detailed descriptions. Channel at turn-on (255 last Ch). When set to 1, cannot tune from current channel. Set to 1 to enable Ghost Channel display. Volume level at TV turn-on (Set 255 to retain last volume level). Minimum volume setting. Maximum volume setting. Set to 1 to disable mute function. Set to 1 to disable Menu, Select, and Adj keys on front panel. Set to 1: enables TV to respond to IR codes to change Channel Bank directly. Typically used for Hospitals: puts On-Off and FM in Ch Up/Down sequence. Set to 1 to put TV on/off below start channel number. Set to 1 to enable Sleep Timer. Set to 1 to enable Timer. Set to 1 to enable Alarm.

Set to 1 for TVs with Radio. OIMCRMIO62A 01.48 01 00-I. INST. SEQ.

0 SN:XXXX-XXXXXXXX UPN:XXX-XXX-XXX-XXX XX/XX/XX TE = 10110000 XX-F Menu Items (Not shown here) are service-type adjustments and only qualified technicians having specialized test equipment should access them. Page 31 Installer Menus Installer Menu Item 26-I through 63-I. Menu Item 26-I. 27-I. 28-I. 29-I. 30-I. 31-I. 32-I. 33-I.

34-I. 35-I. 36-I. 37-I. 38-I. 39-I. 40-I. 41-I. 42-I. 43-I.  
44-I. 45-I. 46-I. 47-I. 48-I.  
49-I. 50-I. 51-I. 52-I. 53-I.  
54-I. 55-I. 56-I. 57-I. 58-I. 59-I. 60-I. 61-I. 62-I. 63-I.

Function 6 KEY SYS HOSPITAL MODE CH. OVER RIDE OLD OCV ACK MASK POLL RATE TIMING PULSE NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED REAR VIDEO EN NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED NOT USED DIS. SETUP M. NOT USED DIS. VIDEO M. DIS. VCHIP M. NOT USED DIS. CH-TIME M. EN.

SET. COL. FOR. SETUP M. BCK.

SETUP M. NOT USED NOT USED NOT USED EN. VIDEO COL. FOR. VIDEO M.

BCK VIDEO M. EN. PTL. COL. 0/1 0-7 0-7 0/1 0 4 7 0 Set to 1 to enable custom color for the Video menu. Custom foreground color for the Video menu. Custom background color for the Video menu. Set to 1 to enable custom color for the V-Chip (Parental Control) menu. 0/1 0/1 0-7 0-7 0 0 6 4 Set to 1 to disable Channel-Time display. Set to 1 to enable custom color for Setup menu.

Custom foreground color for the Setup menu. Custom background color for the Setup menu. 0/1 0/1 0 0 Set to 1 to disable Video menu. Set to 1 to disable V-Chip (Parental Control) menu. 0/1 0 Set to 1 to disable Setup menu. 0/1 1 Set to 1 to enable rear AUX video input. Value Range Default Value 0/1 0/1 0/1 0/1 0/1 20 - 169 186 - 227 0 2 1 0 0 94 207 Brief Description of Function and Comments Leave default set to 0. Leave default set to 2. When set to 0, limits direct access to favorite channels. OCV should set to 1.

M.P.I. communication parameter. M.

P.I. communication parameter. M.P.

I. communication parameter. Page 32 Installer Menus Installer Menu Items 64-I through 90-I Menu Item 64-I. 65-I. 66-I. 67-I. 68-I. 69-I. 70-I. 71-I.

72-I. 73-I. 74-I. Function FOR. PTL. M. BCK. PTL. M. NOT USED NOT USED NOT USED EN.

CH-T COL. FOR. CH-T COL BCK. CH-T COL NOT USED CH NOT AVBLE CH-TIME SIZE 0/1 0/1 0 0 When set to 1 and channel override is 0, ÒNOT AVAILABLEÓ message is displayed when direct accessing a channel not in the favorite channel list. When set to 1 and transparent background is selected for Channel-Time display, (foreground color = background color and custom color enabled) a large channel number is displayed instead of the normal Channel-Time display.

0/1 0-7 0-7 1 1 1 Set to 1 to enable custom color for the Channel-Time display. Custom foreground color for the Channel-Time display. Custom background color for the Channel-Time display. Value Range 0-7 0-7 Default Value 6 4 Brief Description of Function and Comments Custom foreground color for the V-Chip (Parental Control) menu. Custom background color for the V-Chip (Parental Control) menu.

75-I. 76-I. 77-I. 78-I. 79-I. 80-I. 81-I. 82-I. 83-I. 84-I.

85-I. 86-I. 87-I. 88-I. 89-I. 90-I. NOT USED DEFEAT XDS QUICK SHUTOFF UPN MSB UPN MSB-1 UPN MSB-2 UPN LSB CHKSM ERROR HANDSHK TIME PERMANENT BLK NOT USED NOT USED NOT USED EN NOISE MUTE POKE ENABLE KEY LOCK 0/1 0 - 17 0 - 255 0 - 255 0 - 255 0 - 255 0/1 0-5 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0 0 255 255 255 255 0 0 0 0 0 1 0 0 Enables soft mute when signal is not present. Enables poke function thru M.P.I.

Commands. Disables front panel key. When set to 1, XDS display program information will not appear. @@User programmable number, most significant byte. User programmable number, most significant byte - 1.

User programmable number, most significant byte - 2. User programmable number, least significant byte. Enforces rigid M.P.I.

checksum Relaxes M.P.I. timing to be compatible with PC based Windows controlled systems. @@@@0 = 9876 1 = 4321 2 = 1478 3 = 3698 1-I. @@The POWER MANAGE function is for saving energy. When set to 0, Power Manage is OFF. @@2-I. @@Pressing the ON button is not necessary.

@@@@@@@3-I.

@@@@NOTE: BAND is automatically set by AUTO PROGRAM. Page 33 Installer Menus Installer Menu Item 4-I through 13-I: Detailed Descriptions. If some channels were not found by AUTO PROGRAM, select the appropriate AFC setting here and add the channels using the ADD/DEL option in the Setup Menu. 4-I. STRT CHANNEL (Start Channel) When active, this function allows you to determine the initial channel number when the TV is turned ON. This feature is useful for an inhouse information channel, since the TV would always select that channel when it is turned on. Setting this to 255 causes the last channel viewed when TV was turned off to be the tuned to channel when the TV is turned on again. The range of values is 0 - 255. Use (adjust) keys to choose numbers that determine the start channel. 5-I.



*CHAN LOCK (Channel Lock) CHAN LOCK is ideal if a cable box (or similar) is the sole source for programming--and the TV must always be on the same channel. Changing channels with Channel Up/Down or keypad numbers is impossible. Channel Lock is inactive when set to 0 (default). Generally, this feature is used in conjunction with START CHANNEL (line 4-I.) where the start channel may, for example, be set to 3 or 4. If the start channel is 3 then the TV will remain on channel 3. NOTE: When CHANNEL LOCK is active and CHANNEL OVERRIDE is disabled, AUTO PROGRAM is not active.*



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6-I. GHOST CH (Ghost Channel) When set to 1, the current channel number is displayed in the upper right corner of the display. The number moves slightly to prevent damage to the screen.

The default is "0" or OFF. NOTE: When captions are on, the "ghost channel" is not displayed. 7-I. START VOLUME This function allows the Installer to determine the initial volume level setting when the TV is turned ON. This feature is useful for an in-house information channel, since the TV would always select that volume level when it is turned on. The range of values are 0- 63, 255. If 255 is selected, the current volume level will be retained in memory when the TV is turned off; at TV turn on, volume level is automatically set to the previous or last level. 8-I. MIN VOLUME (Minimum Volume) This function determines the minimum volume level allowable with the VOLUME (VOL) Up/Down control. In this way, for example, someone cannot set the volume too low to hear.

The range is from 0 to 63--change values with ADJUST. The factory default is 0, which provides full range of volume control. It may be best to set the same value on every TV. NOTE: The minimum volume level cannot have a value setting higher than in the MAX VOLUME level (described below). 9-I. MAX VOLUME (Maximum Volume) This function determines the maximum volume level allowable with the VOLUME VOL Up/Down control. In this way, for example, someone cannot set the volume level high enough to disturb others. The range is 0 to 63, with 63 as the default which gives the user the full range of volume control. Change values with ADJUST keys. It may be best to set the same value on every TV.

NOTE: The maximum volume level cannot have a value setting lower than the MIN VOLUME level (described previously). 10-I. MUTE DISABLE Enables or disables sound mute function. When set to 1, sound cannot be muted. When set to 0, sound can be muted.

11 KEY DEFEAT (Keyboard Defeat) When set to 1, it prevents the end user from accessing screen menus on the front panel--MENU, SELECT, and ADJUST do not function. When set to 0, those keys are functional. The menus can always be accessed with MENU on the remote. 12-I. IR BANKS EN.

For direct access to a particular Channel Bank. When enabled, installer can access a channel bank by inputting the IR code for the bank. 13-I. SCAN MODE Allows variation in setting the On/Off with Channel UP/DOWN. You may opt for TV channels only; TV channels + Off/ON; TV channels + FM radio; TV channels + FM radio + Off/On with these settings for Scan Mode: Page 34 Installer Menus Installer Menu Items 14-I through 27-I: Detailed Descriptions.

Scan mode 0 1 2 Characteristics Channel up/down keys change channels only. Channel down below the lowest channel (or channel up higher than the highest) and TV turns off. Channel down below the lowest channel (or up higher than the highest) and TV goes to FM radio. Channel down below lowest FM station (or Channel up higher than the highest) and TV channels return. Channel down below the lowest channel (or up higher than the highest) and TV goes to FM radio.

Press channel down below lowest FM station (or Channel up higher than the highest) and TV turns off. 21-I. V-CHIP Set to 1 to activate V-Chip (Parental Control); have it available to user to filter, control, or restrict programming content. Set to 0 to turn V-Chip feature off, not available to user; no programming restrictions can be set. 22-I. MAX BLK HRS Set to 0 to 99 for the maximum V-Chip (Parental Control) block hours. Default is 12 blocking hours. 23-I. CAPTION LOCK Set to 1 to restore previous caption On/Off state after TV turns off. When set to 0, captions are always off, when TV is initially turned on.

24-I. TEXT MODE Determines whether TEXT 1, TEXT 2, TEXT 3, or TEXT 4 decoding is enabled when TEXT is turned on (either from the Setup Menu or directly with CC on the remote). TIP: Set Text Mode to 1 only if text is offered in your video System. 25-I. FUNCTION PRE.

Set to 0 to suppress CHANNEL PREVIEW from the FUNCTION menu with some Pay-Per-View systems. 26-I. 6 KEY SYS Set to 1 for 6-key front control panels. Set to 0 for 10-key front control panels. Leave default set to 1.

27-I. HOSPITAL MODE The default is 2 (which favors most hospitals). With this setting two things are affected: Channel Banks 1, 2, and 3 are accessible, while Bank 4 is inactive. Hosp. Mode=0 Not hospital mode. IR code depends on Item 20-I. "Inactive TV" features not available. Hosp. Mode= 1 Zenith P.L.

IR Code (Bed 1) Hosp. Mode= 2 Zenith IR Code (Bed 2) 3 14-I. STRT CH IN SM When set to 1, installs TV on/off event below the start channel at TV turn on. 15-I. SLEEP TIMER When set to 1, the SLEEP TIMER feature may be used (but no message is displayed prior to turnoff). When set to 0, the sleep timer is not available. 16-I. EN. TIMER Set to 1, timer function is available to user. Set to 0 to disable timer functions.

(Clock must be set in order to use Timers.) 17-I. ALARM Gives you the option of making the alarm function available to the user. Set to 1, alarm function is available to user. Set to 0 to disable the Alarm function.

Note: Clock must be set in order to set the Alarm. 18-I. RADIO Set to 1, for TVs with a Radio. Set to 0 to disable the Radio function, for TVs without a Radio. 19-I.

NOT USED 20-I. FEATURE LEVEL Default set to ZEN 1 for Zenith IR remote control operation. Set 0, P LBL for Zenith Private Label IR remote control operation. Warning: Do not set to "0" or remote will not control TV. Installer should leave item 20 FEATURE LEVEL set to 1 (default). Page 35 Installer Menus Installer Menu Item 28-I through 59-I: Detailed Descriptions. 28-I. CH. OVERRIDE (Channel Override) When set to 1, the user can select channels with either Channel Up/Down or by direct keypad entry. When set to 0, only those channels that are entered for scanning may be selected by direct keypad entry.

Note: If set to 0, Auto Program is locked; (as shown on Setup menu) channel search is not possible. 29-I. OLD OCV (On Command Video™) Set to 1 for operation with systems from On Command Corporation. 30-I. ACK MASK M.P.I. Communication Parameter. Leave at default setting unless changed by Pay-Per-View provider. 31-I.

POLL RATE M.P.I. Communication Parameter. Leave at default setting unless changed by Pay-Per-View provider 32-I.

TIMING PULSE M.P.I. Communication Parameter. Leave at default setting unless changed by Pay-Per-View provider.

33-I. NOT USED 34-I. NOT USED 35-I. NOT USED 36-I. NOT USED 37-I. NOT USED 38-I. NOT USED 39-I. REAR VIDEO EN. Set to 1 to enable rear AUX (Video) input. Set to 0 to disable rear AUX input.

40-I. NOT USED 41-I. NOT USED 42-I. NOT USED 43-I. NOT USED 44-I. NOT USED 45-I. NOT USED 54-I. EN. SET. COL.

Set to 1 to enable custom color settings for the Setup menu. Set to 0 to disable custom color settings for the Setup menu. 55-I. FOR. SETUP M. (Setup Menu Foreground Color) Set according to Color Chart. 0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet 56-I. BCK. SETUP M. (Setup Menu Background Color) Set according to Color Chart.

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0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet 57-I. NOT USED 58-I. NOT USED 59-I. NOT USED 46-I. NOT USED 47-I. NOT USED 48-I. DIS. SETUP M. Set to 1 to disable the Setup menu. Setup menu will not appear.

Set to 0 to enable the Setup menu 49-I. NOT USED 50-I. DIS. VIDEO M. Set to 1 to disable the Video menu. Video menu will not appear. Set to 0 to enable the Video menu. 51 DIS. VCHIP M. Set to 1 to disable the Parental Control menu. Parental Control menu will not appear. Set to 0 to enable the Parental Control menu. 52-I. NOT USED 53-I. DIS.

CH-TIME. Set to 1 to disable the Channel-Time display. Channel-Time display will not appear. Set to 0 to enable the Channel-Time display. Page 36 Installer Menus Installer Menu Items 60-I through 78-I: Detailed Descriptions.

60-I. EN. VIDEO. COL. Set to 1 to enable custom color settings for the Video menu. Set to 0 to disable custom color settings for the Video menu. 61-I. FOR. VIDEO M. (Video Menu Foreground Color) Set according to Color Chart.

0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet 62-I. BCK. VIDEO. COL. (Video Menu Background Color) Set according to Color Chart. 0 = Black 3 = Yellow 1 = Red 4 = Blue 2 = Green 5 = Violet 70-I. FOR. CH-T COL. (Channel-Time Display Foreground Color) Set according to Color Chart. 0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet Note: If foreground and background color are the same, menu background is transparent.

71-I. BCK. CH-T COL. (Channel-Time Display Background Color) Set according to Color Chart. 0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet Note: If foreground and background color are the same, menu background is transparent.

72-I. NOT USED 63-I. EN. PTL. COL.

Set to 1 to enable custom color settings for the VChip menu. Set to 0 to disable custom color settings for the V-Chip menu. 64-I. FOR. PTL. M. (V-Chip Menu Foreground Color) Set according to Color Chart. 0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet 65-I. BCK. PTL.

M. (V-Chip Menu Background Color) Set according to Color Chart. 0 = Black 3 = Yellow 6 = Cyan 1 = Red 4 = Blue 7 = White 2 = Green 5 = Violet 66-I. NOT USED 67-I. NOT USED 68-I. NOT USED 69-I. EN. CH-T COL. Set to 1 to enable custom color for the ChannelTime display. Set to 0 to disable custom color for the Channel-Time display.

73-I. CH NOT AVBLE When set to 1 and channel override is set to 0, "NOT AVAILABLE" message is displayed when direct accessing a channel not in the favorite channel list. 74-I. CH-TIME SIZE When set to 1 and transparent background is selected for Channel-Time display, (foreground color = background color and custom color enabled) a large channel number is displayed instead of the normal Channel-Time display. 75-I.

NOT USED 76-I. DEFEAT XDS Set to 1 to disable XDS display. Set to 0 to enable XDS display. 77-I. QUICK SHUTOFF Allows TV power off to be controlled by the pillow speaker channel selection button.

User would press and hold button down for time required to have TV turn off. Value Range 0 - 17, each number represents 1/2 second. For example, if set to 4, TV would turn off if user held speaker channel button down for 2 seconds. 78-I. UPN MSB User programmable number, most significant byte readable by M.P.I. Command. 6 = Cyan 7 = White Page 37 Installer Menus Installer Menu Item 79-I through 90-I: Detailed Descriptions. 79-I.

UPN MSB-1 User programmable number, most significant byte1 readable by M.P.I. command. 80-I. UPN MSB-2 User programmable number, most significant byte2 readable by M.P.I. command. 81-I.

UPN LSB User programmable number, least significant byte readable by M.P.I. command. 82-I.

CHKSM ERROR Enforces rigid M.P.I checksum validation. Set to 1 for validation. Set to 0 to turn off.

83-I. HANDSHK TIME Adds an additional delay to the handshake time which is 64 msec, thus relaxing M.P.I. timing requirements to be compatible with PC based Windows controlled systems, range is 0 - 5. Set to 0 to retain standard 64 msec delay. Set to 1 - 5 to increase @ 16 msec additional, the delay up to 144 msec. 84-I. PERMANENT BLK Allows Parental Control blocking schemes to be permanent by removing the blocking hours function. Set to 1 to install Parental Control blocking restrictions permanently.

Set to 0 for user-specified hours control of blocking schemes. 85-I. NOT USED 86-I. NOT USED 87-I. NOT USED 88-I. EN NOISE MUTE (Enable Noise Mute) Enables soft mute when a signal is not present. 89-I POKE ENABLE Enables poke function through M.P.I. commands 90-I KEY LOCK Disables front panel keys.

Set to 1 for disable. Set to 0 for enable. Page 38 LT2000 QuickSet Programmer Use the Zenith LT2000 QuickSet II "Clone" Programmer to copy the setup from a "master" TV then quickly transfer the setup to duplicate TVs must be the same model number as the master TV. THE CLONE HAS CONTROL OF THE TV THE CLONE IS VERSION THE TV IS VERSION THE SW IS REVISION CLONE CLOCK TV CLOCK -PRESS ANY KEY TO CONTINUE. -DISCONNECT CLONE WHEN DONE.

XX XX XX = XX:XX = XX:XX Learn Master TV Typical MPI Connections Teach Other TV Typical MPI Connections TV Back TV Back Antenna Antenna ANTENNA CABLE TV SPEAKER ANTENNA CABLE TV SPEAKER RF Coaxial Wire (75 ohm) M.P.I. VIDEO IN PILLOW SPEAKER SPEAKER OUT RF Coaxial Wire (75 ohm) M.P.

I. VIDEO IN PILLOW SPEAKER SPEAKER OUT AUDIO IN TV Back Panel (Expanded View) TV Back Panel (Expanded View) Connect cable to TV MPI Jack and follow on-screen instructions Status Indicator Connect cable to TV MPI Jack and follow on-screen instructions Status Indicator MPI Reset MPI Reset Color green red battery OK battery low red Color green battery OK battery low Blink pattern slow power on no communications heart beat power on communications OK Blink pattern slow power on no communications heart beat power on communications OK QuickSet II Programmer LT2000 QuickSet II Programmer LT2000 ZENITH ELECTRONICS CORPORATION, GLENVIEW, ILLINOIS USA ZENITH ELECTRONICS CORPORATION, GLENVIEW, ILLINOIS USA Clone Clone The optional QuickSet II Clone Programmer (LT2000) allows custom setup and programming information to be quickly copied from a master TV into multiple identical television sets. Once learned from the master, setup data is retained in the LT2000 for future use. When using the LT2000, cloning operations will go easier if the TV set is connected to a good quality signal and operating with a stable picture displayed. To operate the LT2000, use the indicated keys on an HP602, LP702, or MBR3447 remote, or the front panel keys on the TV receiver. Page 39 LT2000 QuickSet Programmer Before you begin: · The "master TV" should be connected to a good, stable signal from an over-the-air antenna or cable service and turned on. · Teaching and Learning is only possible between identical model Zenith TVs. (However, the Clone programmer can store 4 different master TV setups.



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