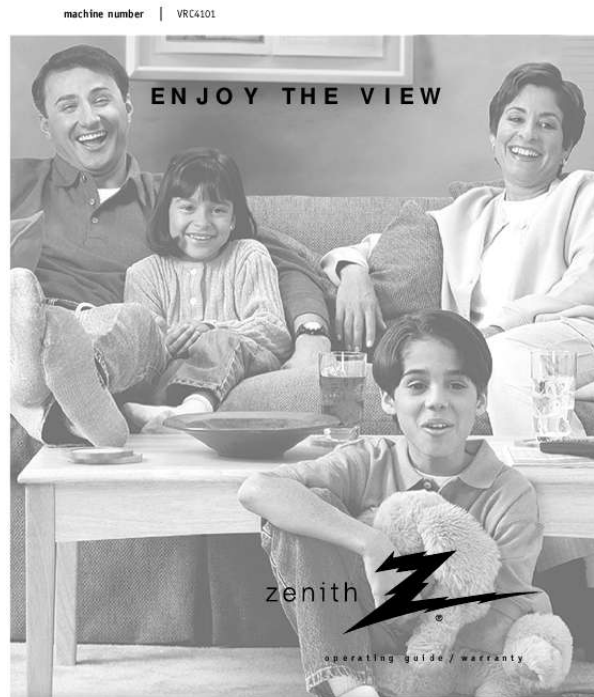




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You can read the recommendations in the user guide, the technical guide or the installation guide for ZENITH VRC4101. You'll find the answers to all your questions on the ZENITH VRC4101 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ZENITH VRC4101
User guide ZENITH VRC4101
Operating instructions ZENITH VRC4101
Instructions for use ZENITH VRC4101
Instruction manual ZENITH VRC4101



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Manual abstract:

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. @@@@POWER CORD POLARIZATION: CAUTION: To Prevent Electric Shock, match wide blade of plug to wide slot, fully insert. ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond. NOTE TO CABLE/TV INSTALLER: This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical. REGULATORY INFORMATION: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. @@@@· Increase the separation between the equipment and receiver. @@· 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. This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

"Ce appareil numérique de la class b respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada." Zenith is a trademark of ZEC © Copyright Zenith Electronics Corporation 2000 SA F E T Y T I P S IMPORTANT SAFETY INSTRUCTIONS These simple precautions will help ensure that you get many years of safe enjoyment from your new product. 1. Read Instructions Read all of the safety and operating instructions before operating the product. Retain Instructions Keep all safety and operating instructions for future reference.

Heed Warnings Follow warnings on the product and in the operating guide. Follow Instructions Follow all operating and use instructions. Cleaning Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. Attachments Do not use attachments not recommended by product manufacturer as they may cause hazards. Water and Moisture Do not use this product near water--for example, near a bathtub, wash bowl, sink, or laundry tub, in a wet basement, or near a swimming pool. Accessories Do not place product on an unstable cart, stand, tripod, bracket, or table. 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 product should follow manufacturer's instructions and should use a mounting accessory recommended by manufacturer. Transporting Product Move product and cart combinations with care. Quick stops, excessive force, and uneven surfaces may cause product and cart combination to overturn. PAGE 3 2. 11. Power Sources Operate product only from type of power source indicated on 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 manual. 12. Line-Cord Polarization Product is equipped with a polarized alternatingcurrent line plug (a plug having one blade wider than the other). As a safety feature, this plug will fit into power outlet only one way. If you're unable to insert plug fully into outlet, try reversing the plug. If plug still fails to fit, contact an electrician to replace your obsolete outlet. Do not defeat safety purpose of polarized plug. 13.

Power-Cord Protection Route power-supply cords so 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 product. 14. Outdoor Antenna Grounding If an outside antenna or cable system is connected to this product, be sure 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 (USA), ANSI/NFPA 70 provides information on grounding of mast and supporting structure, grounding of lead-in wire to an antenna discharge unit connection to grounding electrodes, and requirements for grounding electrode. (See Fig. I below.) 3. 4. 5. 6. 7. 8. 9. Fig. 1 Antenna Lead-in Wire Ground Clamp Antenna Discharge Unit NEC Section 810-20 Electric Service Equipment Grounding Conductors NEC Section 810-21 Ground Clamps Power Service Grounding Electrode System NEC Art 250, Part H 10.

Ventilation Slots and openings in cabinet must not be blocked or covered. They are provided for ventilation, to ensure reliable operation, and to protect from overheating. Never block openings by placing product on a bed, sofa, rug, or other similar surface. Do not place product in built-in installation such as a bookcase or rack unless proper ventilation is provided or manufacturer's instructions have been adhered to. NEC: National Electrical Code Antenna grounding per NEC Code, ANSI/NFPA 70 PAGE 4 SA F E T Y T I P S IMPORTANT SAFETY INSTRUCTIONS These simple precautions will help ensure that you get many years of safe enjoyment from your new product. 15. Lightning For added protection for this product during a lightning storm, or when product is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect antenna or cable system. This will prevent damage to 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, take extreme care to keep from touching such power lines or circuits, as contact with them might be fatal. 17. Overloading Do not overload wall outlets, extension cords or integral convenience receptacles, as this can result in 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 fire or electric shock.

Never spill liquid of any kind on 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.

Wall or Ceiling Mounting Mount product to wall or ceiling only as recommended by manufacturer. 21. Replacement Parts When replacement part(s) are required, be sure service technician has used replacement part(s) specified by manufacturer or have same characteristics as original part(s).



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Unauthorized substitutions may result in fire, electric shock, or other hazards. 22. Damage Requiring Service Unplug this product from the wall outlet and refer servicing to qualified service personnel under these conditions: a. If power-supply cord or plug is damaged. b. If liquid has been spilled or objects have fallen into product. c.

If product has been exposed to rain or water. d. If product doesn't operate normally by following handbook instructions. Adjust only those controls covered by handbook instructions; improper adjustment of other controls may result in damage and often requires extensive work by a qualified technician to restore product to normal operation. e. If product has been dropped or cabinet has been damaged. f. If product exhibits a distinct change in performance. 23. Heat Keep product away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. 24. Safety Check Upon completion of any service or repairs to this product, ask service technician to perform safety checks to determine that product is in proper operating condition. I N S T A L L A T I O N PAGE 5 Contents/Index CONTENTS SAFETY TIPS. . .

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ion to be changed. pause Point remote toward VCR power eject menu ch enter ch quit 4. Press QUIT to exit menu, or wait a few minutes and the VCR returns to normal operation. rew play fwd stop rec/itr 1 4 7 tv/vcr 2 5 8 0 3 6 9 cm skip EZ watch memory sp/ep trk Note: Perform menu operations with the VCR and TV on, and tune the TV to channel 3 or 4. The VCR must also be in the VCR mode of operation. Press the TV/VCR button repeatedly until VCR indicator light appears in the front panel. PAGE 10 I N S T A L L A T I O N Before you operate your VCR Things you must do before you can operate your VCR. 1 Connect the Power (Required) Plug your VCR into an unswitched 120 Vac, 60 Hz household power outlet. Turn on the VCR by pressing the POWER on the remote or on the VCR's front panel. While plugged into an AC outlet, the VCR consumes 3W of electrical power in OFF condition.

Do not plug the VCR into a switched power outlet. Otherwise, when the power is switched off, the VCR turns off. You may then have to reset the time and date, and reprogram operess 4. SETUP MENU AUTO PROGRAM: CH. ADD/DEL: SOURCE: ON-SCREEN DISPLAY: LANGUAGE SELECT: 1 2 3 4 5 SETUP MENU ON-SCREEN DISPLAY: ON 1 ON 2 OFF Press number keys then ENTER QUIT = exit Press number keys QUIT = exit Press NUMBER (1 or 2) to choose ON or OFF SETUP MENU PAGE 12 C O N T R O L S A N D D I S P L A Y S Front Panel Diagram Descriptions of items you need to know to operate your VCR. Front Panel Controls These controls perform basic VCR operations. The Remote performs basic as well as advanced VCR operations. POWER On/Off Button and Indicator Stop/Eject Selector Easy Watch Button and Indicator Cassette Compartment PLAY, REW (Rewind), F FWD (Fast Forward), PAUSE Selector power stop/eject EZ watch rew fwd play video aux 2 audio TIMER REC VCR AM pause rec/itr ch Audio/Video (A/V) Auxiliary In Jacks (AUX2) Message Center Front Panel Display REC/ITR (Instant Timer Record) Selector Channel Up/Down Selector C O N T R O L S A N D D I S P L A Y S PAGE 13 Message center front panel display Information appears in the Front Panel Display depending on the VCR function being used. Clock/Tape operation indicator A Cassette is in the VCR TIMER VCR is in timer recording REC VCR AM VCR is Recording VCR functions are available and channels are selected at VCR Time is AM Front Panel Display shows which VCR function you are using. For example, when you press SP/EP, SP or EP appears to indicate the tape speed.

As you change channels, the channel numbers appear. The current time shows even while the VCR is off. Record Message Err -- Turn VCR On and OFF to erase "Err" message. If it is not erased, take VCR to an authorized repair center. PAUS -- Record mode is halted.

SP or EP -- Displays the recording speed. REC -- VCR is recording. STOP -- Recording is stopped. Playback Messages Err -- Turn VCR On and OFF to erase "Err" message. If it is not erased, take VCR to an authorized repair center.

FF (Fast Forward) -- Tape is advancing rapidly. CUE -- Tape is advancing rapidly in playback mode for visual search. -CUE -- Tape is reversing rapidly in playback mode for visual search. PLAY -- Tape is playing at normal playback speed. REW (Rewind) -- Tape is rewinding rapidly. SLW -- Tape is playing at slow-motion speed. ST:LL -- Playback is halted on one frame. STOP -- Tape rewind or playback is stopped. Tuner Messages AU_ (Auxiliary) -- Auxiliary channel is selected for viewing equipment connected to Audio/Video jacks on rear of the VCR. ch _ -- VCR tuned to Channel _.

HI -- VCR is turned on. BYE -- VCR is turned off. PAGE 14 C O N T R O L S A N D D I S P L A Y S VCR Status Displays On-Screen displays tell you the status of the tape inserted and VCR functions. Current mode of operation (STOP, PAUSE, RECORD, PLAY, etc.) Current CH (Channel) selected by using tuner in VCR Tape Speed EP=Extended Play LP=Long Play SP=Standard Play Current date, day, and time PLAY SP VCR CH 11 15 MON 7:17 AM M-1:35:45 Typical VCR Status Display on TV Real-time tape counter M = Counter Memory is active = Tape is rewound past index mark.



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1:35:45 = Length of tape (in time) 1 = 1 hour 35 = 35 minutes 45 = 45 seconds M-1:35:45 Tape Counter Position REM 1:35 Tape Time Remaining VCR Status Display The VCR Status Display appears on the TV when a VCR function starts, like when you change a channel or select a different VCR mode. For example, pressing STOP while the VCR is in PLAY mode shows STOP in the display. Press ENTER on the remote at any time (except Special Effects Playback mode; SLOW, STILL etc.) to see the Status Display. Note: If the VCR Status Display does not appear on the TV screen, check the ON-SCREEN DISPLAY option on the SETUP menu.

Select ON to see the display. See "Setup Menu" section for details. VCR Status Display Options When the Status Display appears, press ENTER repeatedly to see abbreviated displays, as follows: 1. Press ENTER to see Status Display. 2.

Press ENTER a second time to show only the tape counter position. 3. Press ENTER a third time to show only the tape time remaining. 4. Press ENTER repeatedly until all displays are removed.

O P E R A T I O N PAGE 15 The Buttons on Your Remote A quick list of all the buttons on your remote control and what they do. CH (M/L) -- Channel Selectors. Also selects AUX A/V input channel. CM SKIP -- Fast forwards picture search through 30 seconds of recording. EJECT -- Ejects the tape from the VCR. ENTER -- Programs menu options and shows VCR display. EZ WATCH -- Press to play back the portion you just recorded. F FWD (Fast Forward)--Advances tape rapidly. MEMORY -- Returns real-time tape counter to zero (M 0:00:00). MENU -- Shows main menu.

Numbers -- Chooses channels and enters programming information. PAUSE -- Pauses tape temporarily during playback or record. PLAY -- Begins tape playback. POWER -- Turns VCR On and Off. Also turns VCR Timer Off and On, if programmed. QUIT -- Exits menu system. REC/ITR -- Begins tape recording. REW -- Rewinds tape to the beginning. SP/EP -- Chooses tape recording speed. STOP -- Cancels playback or record modes. TRK (M/L) -- Adjusts tape playback tracking. AA AA Turns VCR On/Off power eject Ejects a tape Channel Selectors Shows main menu Enters a Menu Tape Play/Record Options rew menu ch enter ch quit Exits Any Menu pause play fwd Direct Channel and Programming Entry stop rec/itr 1 4 7 tv/vcr 2 5 8 0 3 6 9 cm skip Fast forwards picture search through 30 seconds of recording Switches TV Picture between TV and VCR Channel Selectors (Tuner) To play back the portion you just recorded. Accesses Tape Counter Display EZ watch memory sp/ep trk Adjusts tape playback tracking. Chooses Tape Recording Speed Installing Batteries Be sure to install the batteries provided with this remote. @@@@ @@@@ I.

Press MENU to see Main Menu. 2. Press 1 to see Clock Menu. 3. Press 1 to set the current time automatically on the Clock Menu.

@@See MANUAL option for details. @@@@ @@@@ If you use the Manual option. @@Press MENU to see Main Menu. 2. Press 1 to see clock options. 3. Press 2 to adjust your options. 4. First insert the month number (5=MAY, 6=JUNE etc). 5.

Press ENTER to move to next option. 6. @@WEEKLY -- Records once each week. DAILY -- Records one time each day, Monday - Friday. Press QUIT CHANNEL OPTIONS To select an AUX channel, select the next highest or lowest channel programmed in the VCR with the CH (M/L). Timer will be on when VCR is off SPEED OPTIONS (SP or EP) The SP mode determines how much tape is left and switches speed from SP to EP, if necessary, to complete recording the program. @@AM/PM OPTIONS Press 1 for AM Press 2 for PM How to Use Timer 1. Press MENU to see main menu. 2. Press 2 to see the TIMER menu.

3. @@4. @@@@ The TIMER indicator light appears in the front panel of the VCR. You cannot operate the VCR manually while it is recording. Pressing POWER stops the recording.

To Erase a Program 1. Press MENU to see main menu. 2. Press 2 to see the TIMER menu. 3.

Press NUMBER(1-8) to select desired PROGRAM to be erased. 4. Press 0 to erase the program. 5. @@1. Press MENU to see main menu. 2. Press 3 to see the SETUP menu. 3. @@@@ @@@@ Press 1 to begin search.

Edits the channels found by AUTO PROGRAM. @@@@ @@@@ Choose TV if you have an antenna connected to the VCR. @@@@ @@@@ Selects whether or not you see VCR Status Displays on the TV. @@Turn TV on. 2. Select channel you'd like to watch at the TV. If you have a cable box, select channel 3 or 4 at the TV. @@Turn TV and VCR on. 2. @@3.

Select channels 3 or 4 at the TV. @@4. Select the channel you'd like to watch at the VCR. If you have a cable box, select channel 3 or 4 at the VCR. @@Turn TV and VCR on.

2. @@3. Select channel you'd like to watch at the TV. If you have a cable box, select channel 3 or 4 at the TV. @@@@2.

Select channel 3 (or 4) on the TV. Note: If your TV has A/V jacks, you may get a better picture if you connect your VCR there. (Then, select the A/V source on the TV.) 3. At the VCR, Channel Down lower than the lowest channel (or Channel Up above the highest) to select "AUX2". You can also choose the SETUP menu as described below. Press MENU to see main menu. Press 3 to see the SETUP menu. Press 3 for the SETUP menu's SOURCE item. Press 4 for AUX2, then ENTER.

(Press QUIT to exit.) SETUP MENU SOURCE: TUNER (TV) 1 TV 2 CATV 3 AUX1 4 AUX2 Press number keys then ENTER QUIT = exit Press 4 to select AUX2 Items in the Menu SOURCE TUNER TV CATV AUX1 AUX2 Shows the program source--TV, CATV, or AUX--selected for the VCR to receive. The VCR is using its Tuner to receive programs from an antenna or cable. Selects programs for the VCR from a rooftop-type antenna. Selects programs for the VCR from Cable TV. Selects programs for the VCR from the rear R-AUDIO-L--VIDEO IN jacks (where you may have connected your camcorder). Selects programs for the VCR from the front R-AUDIO-L--VIDEO IN jacks (where you may have connected your camcorder). O P E R A T I O N PAGE 21 Playing Tapes This page explains the basics of playing tapes in your VCR. Automatic Playback (No Safety Tab) 1. Tape playback begins automatically, if the safety tab has been removed from the cassette case.

For example, most rental movies have no safety tab. Simply insert the prerecorded VHS cassette into the VCR. Power will turn on automatically and playback will begin. 2. Select the channel 3 or 4 at the TV or select the TV's AUX (Auxiliary) source to see the picture, if you are using the A/V jacks.

Refer to page 7 and 8. power stop/eject play VCR's Controls Manual Playback (Has Safety Tab) 1. Press POWER to turn VCR on. 2. Insert a prerecorded VHS cassette into the VCR.

3. Press PLAY to begin playback. Cassette Safety Tab Shown in Place power eject 4. Select the channel 3 or 4 at the TV or select the TV's AUX (Auxiliary) source to see the picture, if you are using the A/V jacks. Refer to your TV operating manual. POWER menu ch enter ch quit pause Unloading the Cassette from the VCR 1. Press STOP if the tape is playing. 2. Press STOP/EJECT at the VCR until the cassette is ejected.



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rew play f fwd PLAY rec/itr stop STOP 1 4 7 tv/vcr 2 5 8 0 3 6 9 cm skip TV/VCR Note: This VCR records only in SP and EP speeds.

Your VCR sets the playback speed automatically to the speed used to record the tape. (Continued on next page) EZ watch memory sp/ep trk VHS Cassette Playback/Record Times Cassette SP LP EP Length (Standard Play) (Long Play) (Extended Play) T-30 T-60 T-120 T-160 30 Minutes 1 Hour 2 Hours 2 Hours, 40 Minutes 1 Hour 2 Hours 4 Hours 5 Hours, 20 Minutes 1 Hour, 30 Minutes 3 Hours 6 Hours 8 Hours PAGE 22 O P E R A T I O N Playing Tapes This page explains how to use the remote to play tapes on your VCR. Auto/Manual Tracking Adjustment Your VCR adjusts tracking automatically when you play a tape.

If the tape was recorded on a different VCR, streaks (video noise) may appear. While the tape is playing, press TRK (M/L) to adjust the tracking manually. power eject POWER ENTER PAUSE rew menu ch Real-Time Tape Counter Press ENTER twice to keep the tape counter on the TV screen. Press ENTER repeatedly to remove all displays. The counter resets to 0:00:00 when you insert a cassette or when a tape is rewound to its beginning. enter ch quit F FWD (Fast Forward) STOP pause play f fwd Pause/Slow-Motion Video (While in play mode) Press PAUSE for still video. While in still video mode, press F FWD or REW for slow motion.

Press F FWD or REW to control slow speed during slow motion. Press PLAY to resume normal tape playing. REW (Rewind) PLAY rec/itr stop 1 4 7 tv/vcr 2 5 8 0 3 6 9 cm skip CM SKIP EZ watch trk sp/ep Tape Rewind and Fast Forward (While in Stop mode) Press and release REW or F FWD (Fast Forward), as desired. Press STOP when tape reaches desired location. memory TRK(Tracking) (M/L) Reverse/Forward Search (While in Play mode) Press and release REW or F FWD, as desired.

Press PLAY to resume normal tape playing. CM Skip (Commercial Skip) (While in play mode) Pressing CM SKIP on the remote skips commercials or other program material. @@@@ Select channel 3 or 4 at the TV. @@ Select the channel to be watched and recorded at the VCR. @@ Select cable box channels at the cable box.

Insert a VHS cassette tape into the VCR. Press SP/EP to select recording speed, if desired. Recording speed is always SP, unless you select EP. Press REC/ITR until recording begins. REC indicator light appears in the VCR front panel. @@ Press PAUSE again to resume recording. @@@@ Select channel 3 or 4 at the TV. @@ Select the channel to be watched and recorded at the VCR. @@ Select cable box channels at the cable box. Insert a VHS cassette tape into the VCR.

Press SP/EP to select recording speed, if desired. Recording speed is always SP, unless you select EP. Note: The SP mode determines how much tape is left and switches speed from SP to EP, if necessary, to complete recording the program. 4 Presses of REC/ITR 1 (Press) 2 3 4 5 . . . 9 10 Display Current Time 0:30 1:00 1:30 2:00 . . . 4:00 No display 5 6 Preset Time For Recording Until end of tape 30 minutes 1 hours 1 hour and 30 minutes 2 hours . . . 4 hours normal recording 7 Press REC/ITR until recording begins. The REC indicator light appears in the VCR front panel. Recording continues until you reach the end of the tape, or until you press STOP to stop recording.

Press REC/ITR repeatedly to select a preset recording time period. Each subsequent press of REC/ITR increases the recording time by 30 minutes until you reach a maximum of 4 hours. 8 O P E R A T I O N PAGE 25 Instant Recording Recording one show while watching another. Note: If you have a cable box connected to your VCR, you cannot record one show and watch another. Choose the show you wish to record using the VCR's channel selector. Choose the show you wish to watch using the TV's channel selector. power tv/vcr sp/ep rec/itr stop Remote's Controls 1 2 3 Turn TV and VCR on. @@ Select channel 3 or 4 at the TV. @@ Select the channel to be watched and recorded at the VCR. @@ Select cable box channels at the cable box. Insert a VHS cassette tape into the VCR. Press SP/EP to select recording speed, if desired. Recording speed is always SP, unless you select EP. Press REC/ITR until recording begins. REC indicator light appears in the VCR front panel.

Recording continues until you reach the end of the tape, or until you press STOP to stop recording. Place VCR in TV mode by pressing the TV/VCR button on remote to turn off VCR indicator light in the VCR front panel. Select the show you wish to watch using the TV's channel selector. power rec/itr VCR's Controls stop/eject 4 Options You Can Use While Recording Instant Recording (until end of tape) PAUSE Momentarily pauses recording. Press PAUSE again to resume recording. STOP or STOP/EJECT Stops and exits recording mode. 5 6 7 8 9 Note: To return to the show you're recording, select channel 3 or 4 at the TV. Place the VCR in the VCR mode by pressing the TV/VCR button on the remote to show the VCR indicator light in the VCR's front panel. PAGE 26 O P E R A T I O N Recording While You're Away This page explains how to use the Timer so that you can record while you are away. MAIN MENU CLOCK : 1 TIMER : 2 SETUP : 3 PROGRAM 1 MONTH : DAY : START : STOP : CHANNEL : SPEED : REPEAT: (1 - 8) to select program ENTER to adjust program PROGRAM 8 MONTH : DAY : START : STOP : CHANNEL : SPEED : REPEAT: (1 - 8) to select program ENTER to adjust program Press 2 Press number keys QUIT = exit MAIN MENU TIMER MENU for Program 1 TIMER MENU for Program 8 Timer-controlled recording lets you record shows unattended. Pick a day and time up to one year in advance. The show may be recorded once or on multiple days. You can schedule up to eight different events into the PROGRAM TIMER for recording, as long as no events overlap in the same time period. VCR Operation with Timer Off or On VCR POWER On TIMER STATUS Off VCR OPERATION Disables Timer-controlled recording if an event is scheduled in the Timer. All other VCR operations can be used as desired. 1 2 3 4 5 Turn TV and VCR on. @@ Select channel 3 or 4 at the TV. Insert a VHS cassette tape into the VCR. Program events to be recorded with the Timer by following the procedure in the TIMER MENU section. If you have a cable box, select channel 3 or 4 (at the VCR) as the channel to be recorded. Keep your cable box on when using the Timer to record. Enable the Timer by pressing POWER to turn off the VCR. The TIMER indicator light appears in the VCR front panel to indicate the VCR is in the TIMER recording mode. Off On (or set) Enables Timer-controlled recording if an event is scheduled in the Timer. You cannot operate the VCR manually while it is in Timer Set mode. If you have scheduled the Timer, you'll be recording at a later time. 6 O P E R A T I O N PAGE 27 Easy Watch Playback Playing back the portion you just recorded.



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Using Easy Watch Playback after timer recording is convenient. You can make timer recordings and play back only the portion you just recorded with the timer by pressing a single button later. Stop recording (when recording without timer).

EZ WATCH indicator on the VCR lights. Note: If another operation button is pressed after you stop recording, Easy Watch Playback will be canceled. EZ WATCH Button and Indicator 1 power stop/eject EZ watch video aux 2 audio 2 Press EZ WATCH on the VCR or remote control. The tape rewinds to the start of the recorded portion and playback begins. Note: When you set the timer for more than two timer programs. The VCR starts playing back from the earliest one when you use Easy Watch Playback. power eject menu ch enter ch quit pause rew play f fwd stop rec/tr 1 4 7 tv/vcr 2 5 8 0 3 6 9 cm skip EZ WATCH EZ watch memory sp/ep trk PAGE 28 T R O U B L E S H O T I N G Troubleshooting Some quick and easy tips to fixing problems yourself. Before Calling for Service Please refer to this chart before calling for service. First, turn on the TV and VCR. Select appropriate input for the TV to receive the video signal from the VCR.

You will probably use the Antenna In connection to the TV. Select channel 3 or 4 at the TV. Place the VCR in the VCR mode by pressing the TV/VCR button on the remote repeatedly until VCR indicator light appears in the VCR front panel. If you have a cable box, turn it on and select channel 3 or 4 at the VCR.

Operating Problems Observed Condition No power to the VCR.

Remote does not function. Possible Cause Power cord is not connected. Batteries are weak. You are too far away from the VCR. Remote may be at an awkward angle.

No picture appears on TV screen from any VCR function. Source for TV is not selected properly. Probable Solution Connect power cord. Replace with new batteries. Move closer to the VCR. Avoid holding the remote at sharp angle. Set INPUT source on TV to Audio/Video In, or tune TV to Channel 3 or 4, as appropriate. Press the TV/VCR button on remote repeatedly to choose VCR mode. VCR indicator light appears in VCR front panel. Disconnect VCR power cord for three (3) minutes.

Reset clock and other features as necessary. TV/VCR mode for VCR is set to TV. VCR features do not function. VCR does not respond to remote functions or VCR keys. VCR is locked up. Playing Tapes (Playback) Problems Observed Condition Tape will not rewind or fast forward. Mechanical sound is audible during playback. Tape playback does not appear on TV screen. Possible Cause Tape is fully rewound or is at its end. Note: This is normal operating sound from internal mechanisms.

Source for TV is not selected properly. Probable Solution No action necessary. No action necessary. Set Input source on TV to Audio/Video In, or tune TV to Channel 3 or 4, as appropriate. Press the TV/VCR button repeatedly to choose VCR mode.

VCR indicator light appears in VCR front panel. Use TRK (M/L) for manual tracking adjustment while tape is playing. Clean video heads. From STILL video mode, enable slow-motion playback. Use TRK (M/L) to adjust tracking for best picture.

Return to PLAY mode, then press PAUSE for STILL video. TV/VCR mode for VCR is set to TV. Video "noise" (horizontal streaks) appear during normal tape playing. VCR Status Display flickers when using STILL video during tape playback. Tape is a rental or was recorded on another VCR. Tape heads are dirty.

Tape tracking needs to be adjusted while in slow-motion playback. T R O U B L E S H O T I N G PAGE 29 Troubleshooting Some quick and easy tips to fixing problems yourself. Channel Tuning Problems Observed Condition Some channels are skipped over when using CH (M/L). Picture and sound are weak or missing.

Possible Cause Those channels were deleted with the CH. ADD/DEL option. Antenna or cables are loose. Wrong SOURCE option is being used. Probable Solution Use CH. ADD/DEL to restore channels. See SETUP Menu on page 18 for details. Tighten connections or replace cable. Try all SOURCE options.

See SETUP menu on page 18 for details.

Recording Problems Observed Condition Camcorder image is not shown. Camcorder image via A/V input to VCR is not shown on TV screen. Timer recording is not possible. Possible Cause Camcorder is off. VCR SOURCE is not set to AUX.

Clock in VCR is not set to correct time. VCR is on which disables timer. Probable Solution Turn camcorder on and operate properly. Use CH (M/L) to select AUX A/V input channel. Set clock to correct time.

See CLOCK menu on page 16. Turn VCR off to enable timer. TIMER indicator light appears in the VCR front panel. Reprogram Timer. See TIMER menu on page 17. Reprogram Timer and turn VCR off to enable timer. This is the normal indication that the VCR is in TIMER mode. Timer has been programmed incorrectly. TIMER indicator light does not appear after programming timer. TIMER indicator light appears after VCR is turned off.

VCR is in Timer Recording mode. Moisture Condensation Moisture condensation can occur: · When the video recorder is moved from a cold place to a warm place. · Under extremely humid conditions. In locations where moisture condensation may occur: · Keep the power cord plugged into an AC outlet and POWER On. This will help prevent condensation. · When condensation has occurred, wait a few hours for the VCR to dry before using it. Magnetic Field from Other Equipment Keep the VCR and videotapes away from strong magnetic fields, such as those produced by a vacuum cleaner, refrigerator, or air conditioner. Video Head Cleaning Your VCR automatically cleans the heads as it is used. @@@@Caution: Do not use a dry-type head-cleaning system. It may seriously damage the VCR and cassettes used in the VCR.

@@@Use care not to scratch the VCR during cleaning. PAGE 30 S P E C I F I C A T I O N S Specifications GENERAL Head System Power Source Power Consumption Dimensions Operating Temperature Operating Humidity Timer Weight Tape Speed Four head AC 120V, 60Hz Approx. 13 Watts 360 x 94 x 270mm (14.2" x 3.7" x 10.

6") 5 °C~35 °C (41 °F~95 °F) Less than 80% RH 12-hour display type with AM, PM Approx. 3.4 kg (7.5 lbs) 33.35 mm/sec 16.

67 mm/sec 11.12 mm/sec 12.7 mm 2 HOURS (T-120) 6 HOURS (T-120) 8 HOURS (T-160) Less than 210 seconds (T-120) (WxHxD) (SP) (LP) (EP) (SP) (EP) Tape Width Maximum Recording Time Rewind Time TUNER Antenna VHF Output Signal Channel Coverage (UHF) (VHF) (VHF) (UHF) (CATV) 75 ohms

75 ohms Channel 3 or 4 2-13 14-69 1-125 (4A, A-W, W+1~W+84, A-5~A-1) VIDEO Video Signal System Input Output Signal to Noise Ratio EIA Standard (525 lines, 60 fields) NTSC type color signal 1.0 Vp-p 75 ohms unbalanced 1.0 Vp-p 75 ohms unbalanced More than 43 dB (SP mode) AUDIO Input Output S/N Ratio Frequency Range Supplied Accessory (LINE) (LINE) -6.0 dBm more than 47 kohms -6.0 dBm less than 1.5 kohms More than 43 dB (SP mode) 200 Hz to 10kHz (SP mode) Hook-up Cable (VCR to TV) (1) Batteries (2) Remote Control (1) * Designs and specifications are subject to change without notice.



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** Weight and dimensions shown are approximate. Recommended VCR Accessories VHS TAPE REWINDER Most repair work on VCRs and Camcorders is due to excessive rewinding.*

@@Baby in another room as you watch TV? Keep tabs on them with our inexpensive intercom set. @@Need a second remote or more functions? Order direct from Zenith!! @@@@CALL OR FAX TOLL-FREE 1.800.255.6790 Fax: 1.888.693.6484 email: parts.sales@zenith.com Use Your Visa or MasterCard to Order PLEASE ALLOW 3 - 4 WEEKS FOR DELIVERY Your Zenith Limited Warranty VIDEO CASSETTE RECORDER OR PLAYER Welcome into the Zenith family! We believe that you will be pleased with your new Zenith Entertainment Machine.

Please read this warranty carefully, it is a "LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state within the U.S.A. ZENITH'S RESPONSIBILITY Service Labor During a period of 90 days from effective warranty date, Zenith will provide service labor by a Zenith authorized service center when needed as determined by Zenith, as a result of manufacturing defects.

New or remanufactured replacements for factory-defective parts will be supplied by a Zenith authorized service center for one year from effective warranty date . Such replacement parts are warranted for the remaining portion of the original warranty period. This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls in the home, installation or repair of home antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety. Parts Not Covered OWNER'S RESPONSIBILITY Effective Warranty Date Warranty begins on the date of original consumer purchase.

For your convenience, keep the dealer's dated bill of sale or a delivery ticket as evidence of the purchase date. Read your Operating Guide carefully so that you will understand the operation of your set and how to adjust the customer controls. The video product must be taken to a U.S. or Canadian Zenith authorized service center for warranty service and must be picked up by the owner. It is the owner's responsibility to maintain the TV receiver with which the video product is used, and the associated antenna system, in proper operating condition.. Product Registration--Please fill out and mail your Product Registration Card. It is imperative that Zenith know how to reach you promptly if we should discover a safety problem that could affect you. For warranty service information, contact any Zenith authorized service center.

Parts and service labor that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call or write the Zenith Response Center. You must provide the model number, serial number and date of purchase or date of original installation. Before you ask for warranty service, read "Maintenance And Troubleshooting" in your operating guide. You might avoid a service call. Operating Guide Carry-In Service TV Set Performance Important Warranty Service THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ZENITH SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS IN CONNECTION WITH THE PRODUCT. Customer Service Zenith National Response Center 201 James Record Road, Building #3 Huntsville, AL 35824 Phone: (256) 772-1515 Fax: (256) 774-4070 email: customer.service@zenith.com ZENITH ELECTRONICS CORPORATION 1000 MILWAUKEE AVENUE GLENVIEW, ILLINOIS 60025-2493 Zenith Part No. 206-3621 GS# 3835RM0039R Printed in Indonesia Issue O .



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