



ROSEN

OWNER'S MANUAL R5000

4 Head Hi-Fi Stereo Video Cassette Player

Safety Instructions

<p>CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		<p>This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.</p>
		<p>This symbol alerts you that important literature concerning operation and maintenance has been included with this product.</p>

Note to CATV system Installer : This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I) that 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 cable entry as practical.

Caution : FCC regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important : One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

Certain Canadian programs may be copyrighted and any unauthorized recording in whole or in part may be a violation of these rights.

**To prevent damage which may result in fire or electric shock hazard,
do not expose this appliance to rain or moisture.**

Important Safety Instructions

- 1. Read Instructions** - All the safety and operating instructions should be read before the product is operated.
- 2. Retain Instructions** - The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow Instructions** - All operating and using instructions should be followed.
- 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. Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7. 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; and the like.
- 8. Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.



Safety Instructions

9. **Cart Usage** - 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.
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. 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 supplied 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 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.
13. **Lightning** - For added protection for this product 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.
14. **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
15. **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.
16. **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.
17. **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a When the power-supply cord or plug is damaged.
 - b If liquid has been spilled or objects have fallen into the product.
 - 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 damaged in any way.
 - f When the product exhibits a distinct change in performance-this indicates a need for service.
18. **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
19. **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.
20. **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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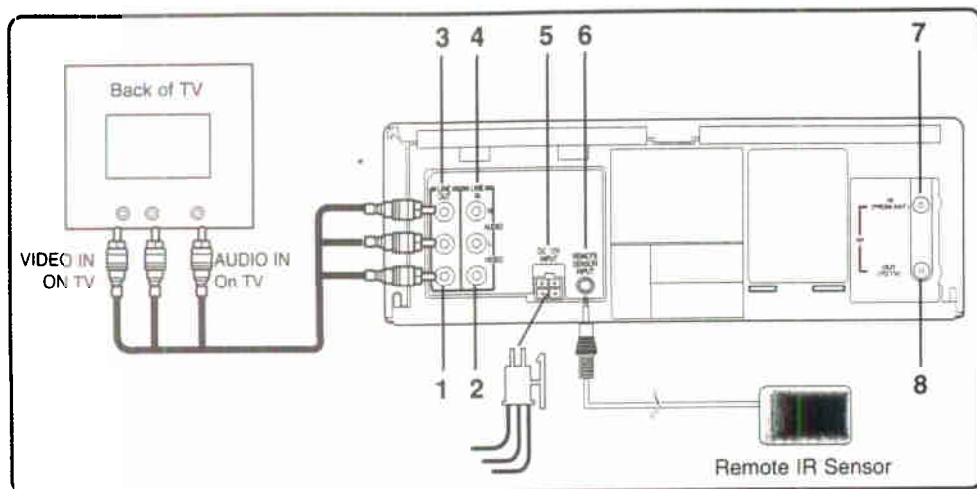
Features

- **Diamond like Carbon Head** refers to a carbon based coating applied to the video heads, which increases durability and reduces head wear, while keeping the video heads clean.
- **DEW/HEAT Protection System**
- **Hi-Fi Stereo sound**
- **Instant Play**
When the VCR has a tape loaded and power is off, simply press **PLAY** button to start tape playback. You don't need to press **POWER** button.
- **Digital Auto Tracking**
For the best picture quality when playing a cassette, your VCR automatically adjusts the tracking on a video tape.
- **Special effect playback, including slow motion**
- **Built-in HQ (High Quality) video circuitry**
- **Automatic Front AV**
If you insert the RCA jack into the Front AV (LINE2) input on the front, the VCR will automatically switch the input mode to LINE2. If necessary, you can change this by pressing **CH/TRK ▲/▼** on the remote control.

VCR Setup

Rear Panel

To connect the VCR and TV, use cable type (A/V RCA-type) appropriate to your TV.
Connect the VCR to the TV as shown:



1. VIDEO OUT

Connects to TV video input.

2. VIDEO IN

Connects to a second VCR for recording or video camera for recording.

3. AUDIO OUT

Connects to receiver or amplifier input.

4. AUDIO IN

Connects to a second VCR or an audio source to record audio.

5. DC 12V INPUT

To provide power for the VCR, connect the small plug end of the power harness on the back of the VCR.

Blue: This wire connects to a circuit that turns on and off with the key.

Red: This wire connects to the battery or a constant power source.

Black: This wire connects to a good factory ground wire or a metal part of the chassis.

6. REMOTE SENSOR INPUT

The optional remote infrared sensor eye allows you to access all the features on the remote control when the VCR is mounted in another location away from the remote. To install the "remote IR sensor", simply plug it into the input next to the power plug. Run the sensor cable to the front of the vehicle and mount the sensor in a convenient location so that the remote control can be easily pointed toward the "remote sensor eye".

7. IN FROM ANT

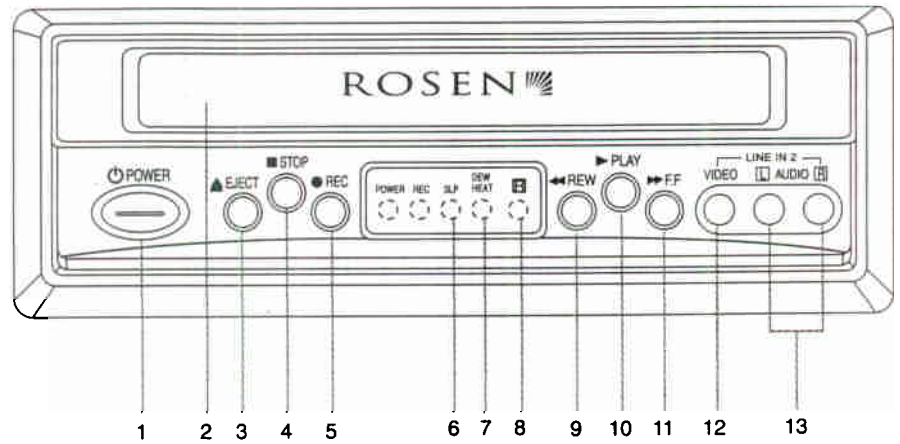
Use to input cable or antenna signal.

8. OUT TO TV

Use to output VCR signal to TV or monitor.

VCR Setup

Control buttons and Display



1. POWER BUTTON

Press to turn the VCR power on or off.

2. CASSETTE COMPARTMENT

Insert a video cassette.

3. EJECT BUTTON

Press to eject a tape.

4. STOP BUTTON

Press to stop a tape.

5. REC BUTTON

Press to record a TV program or a external signal.

6. SP/SLP INDICATOR

Lit when VCR is recording in SLP mode.

7. DEW/HEAT INDICATOR

When DEW/HEAT indicator is blinking and "DEW/HEAT" is displayed on the TVscreen, the VCR will not be able to work, which shows the VCR is under a high moist circumstance or VCR is overheated. Then the VCR will turn to standby and dry itself. When moisture disap pears, the VCR will works normally.

8. REMOTE SENSOR

9. REW BUTTON

Press to rewind in stop mode or reverse search in play mode.

10. PLAY BUTTON

Press to play a video cassette.

11. F.F BUTTON

Press to fast forward in stop mode or forward search in play mode.

12. VIDEO IN JACK

Use to input video signal from connected equipment.

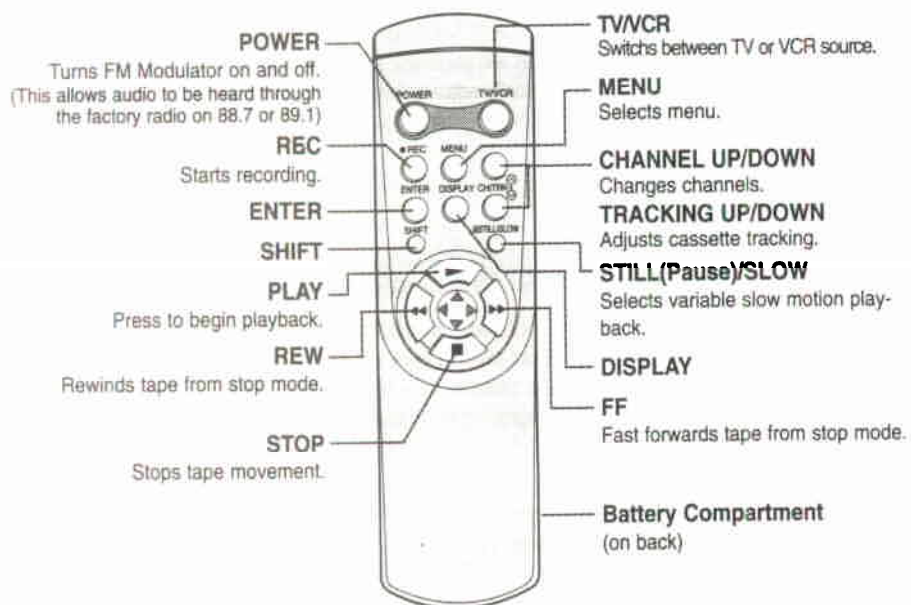
13. AUDIO IN L/R JACKS (LINE IN 2)

Use to input audio signal from connected equipment. Press CH ▲/▼ button to select LINE IN 2.

VCR Setup

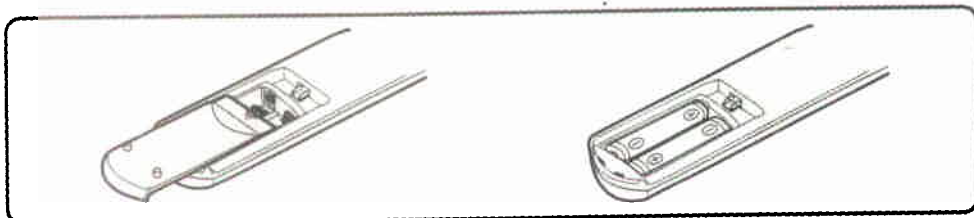
Remote Control

Always aim the remote control directly at the VCR or the remote IR sensor.



Remote Control Battery Install/Replace

1. Slide battery compartment cover out from back of remote control.
2. Insert two AA batteries as diagrammed.
3. Slide battery compartment cover back in.



VCR Operation

Playing a Video Cassette Tape

1. Fold down monitor.
2. Load a video cassette tape .
Then, VCR power turns on automatically.
3. Press **PLAY** to start playback.
If the tape doesn't have a safety tab, VCR will playback automatically.
When playback starts, the VCR automatically adjusts the tracking for clear picture and sound.
4. To stop playback, press **STOP**.

Tracking Control

For the best picture quality when playing a cassette, the video heads must be aligned with the recorded track. This alignment is called tracking. When playing back a tape, your VCR automatically adjusts the tracking on a video tape, but occasionally a cassette may require some manual adjustment. Keep in mind that picture distortion often occurs at the beginning of a tape.

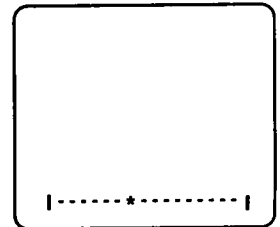
Automatic Tracking

Turn the TV on and insert a cassette into your VCR.
Press **PLAY**, if necessary.
After a few seconds of auto tracking,
you would hear the sound from the video tape.

Manual Tracking

Press **CH/TRK ▲/▼** on the remote control up or down
until the picture improves.

NOTE : The noise on the screen may not be completely
eliminated depending on the tape used, especially
when the tape was recorded on another VCR.



VCR Operation

Using the Menu with the Remote Control

Your VCR has on-screen menus that allow you to access and control the VCR's programmable features. You will use the buttons on the remote control to work with the on-screen programming. Each button works not only **PLAY**, **CH/TRK ▲/▼** but also as a shift cursor in the on screen menus.

MENU



: MENU ON or OFF

SHIFT



: SHIFT ▼ CURSOR

ENTER



:ENTER button

- 1 Press **MENU** on your remote control.
The Main Menu will appear on screen.

- 2 Select the item you want to adjust using **ENTER** followed by the **SHIFT** on your remote control.

If the main menu does not appear, make sure the TV is tuned to the same channel as the VCR output CH3/4 on the MAIN MENU of the VCR. If the VCR is in the TV mode, press **TV/VCR** on the remote control to set VCR to TV mode.

****MAIN MENU****

▶ RECORD SPEED (SP)
AUTO REPEAT (OFF)
AUDIO OUTPUT .. (STEREO)
CHANNEL SETUP
VCR OUTPUT CH (3CH)

[SHIFT/ENTER]

[MENU]

VCR Operation

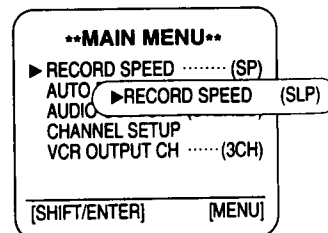
Setting the MAIN MENU

To make all of the VCR's features available, set the VCR functions before playing or recording a tape.

Record Speed

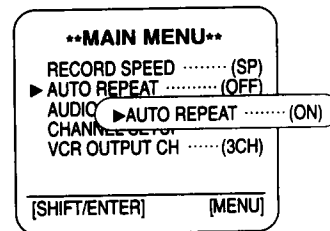
The VCR can record at two tape speeds.
The slower speed (SLP) allows the VCR to record more program material on a tape.
Tapes recorded at standard speed (SP) provide a clearer picture. Select the record speed on the MAIN MENU to set the tape speed. You can refer to the following table:

TAPE	SP (Standard Play)	SLP (Super Long Play)
T-120	2 hrs	6 hrs
T-160	2 hrs 40 minutes	8 hrs
T-180	3 hrs	9 hrs



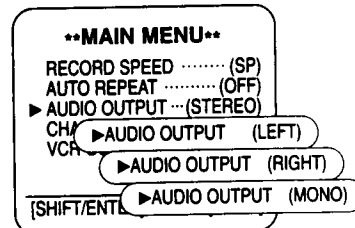
Auto Repeat

Press **ENTER** to activate the "AUTO REPEAT".
Auto repeat set the VCR to play a tape repeatedly unless a tape control is activated (Stop, fast-forward or rewind).



Audio Output

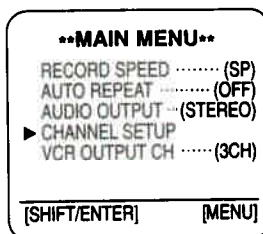
Press **ENTER** to change the "AUDIO OUTPUT".
The VCR can record a program in stereo.
It can also be set to record the secondary Audio Program (SAP) of any broadcast with second language audio. The VCR records the same audio on both the Hi-Fi and linear tracks on the tape.



VCR Operation

Channel Setup

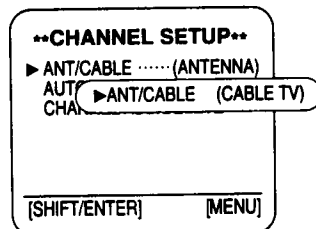
When the VCR memorizes all the available channels, you can use **CH/TRK** ▲/▼ to select channel. Select the "CHANNEL SETUP" using **SHIFT** and **ENTER**.



1 Setting the Source

Before the VCR can memorize available channels, you must set the signal source for your VCR, leave "Antenna" displayed in the ANT/CABLE screen.

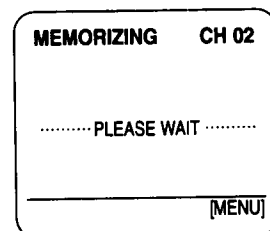
If you have a cable system hooked up to your VCR, press **ENTER** to change to "CABLE TV".



2 Auto Channel Memory

Select to activate the auto channel memory.

Your VCR will begin scanning through available channels. To interrupt, press **MENU** on the remote control. When the channel number on screen stops changing, the VCR has finished.



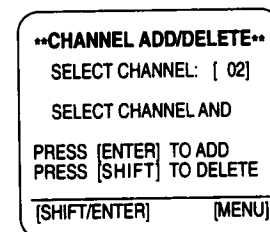
3 Channel Add/delete

You can add or delete channels that have been memorized by the Automatic Channel Memory function.

Press **ENTER** to add the selected channel.

Press **SHIFT** to delete the selected channel.

- Note :**
- The Auto Channel Memory function must be performed before Channel Add/delete can be used.
 - Channel memory will maintain while key is in the on position.



VCR Operation

Using Special Features

Forward and Reverse Picture Search

While in play mode, press **FF** or **REW**; to resume normal viewing, press **PLAY**.

Forward and Reverse Jet Search

While in play mode, press and hold **FF** or **REW**; Jet Search increases the tape speed 7 times if recorded at SP speed or 21 times for tapes recorded at SLP speed.
To resume normal viewing, release the button.

Note: While in Forward or Reverse Jet Search, audio is muted. If streaks, blurring or horizontal jitters appear, adjust picture with Tracking buttons.

Still and Frame Advance

While in Play mode, press to stop on a single still frame. press **STILL/SLOW** again to advance picture frame by frame. To resume normal viewing, press **PLAY**.

Note: Using Pause or Still mode for more than five minutes stresses the tape and causes undue stress on the video heads; the VCR automatically disengages Pause or Still mode after five minutes have elapsed.

Slow Motion Playback

Press and hold **STILL/SLOW** for Slow Motion Playback over 2 seconds in the still mode.
To resume normal viewing, Press **PLAY**.

VCR Operation

Recording

ROY

Recording While You Watch

- 1 Insert a video cassette with the record protect safety tab intact. Check the tape speed. If the VCR indicator on the front panel is not lit, press **TV/VCR**.
- 2 Select a channel to record by pressing **CH/TRK ▲/▼**.
* Press **CH▲/▼** if you want to select the front A/V jacks (LINE2).
- 3 Press **REC** on the remote control or the front of the VCR. The REC indicator will light.
- 4 If you want to edit out unwanted material during recording, press **STILL** while recording and the VCR will pause. To resume recording, press **STILL** again.
- 5 To end recording, press **STOP**.

Record Protect Tab

Before recording on any video cassette, make sure the record protect safety tab is in place. To prevent accidentally recording over a program, remove the record protect safety tab on the cassette case. To record on a tape with its tab removed, cover the hole with adhesive tape.



Care and Maintenance

VCR

- Use a dry cloth when dusting your VCR.
- Take care of your remote control. Keep the remote with your VCR, where it is unlikely to be lost or damaged.
- Keep liquids away from your VCR, including beverages and cleaning liquids.
Spilling any liquid on the VCR can damage the electronics, resulting in an electric shock or fire.
- Do not use liquid or aerosol cleaners that can accidentally get into the VCR, causing damage or creating a fire hazard.
- Do not allow any object to be pushed into the cabinet slots. This includes coins, dusters, cleaning cloths, papers and other objects. Any such objects can connect with a voltage point inside the VCR, causing dangerous shocks, or may short out parts and cause a fire or an electric shock.

Video Head Cleaning

If poor pictures appear on a variety of cassettes, the video heads may need cleaning. This is not a common problem and unless it appears, the heads should not be cleaned. If necessary, purchase a head-cleaning cassette. If the picture quality does not improve after cleaning, call for service.

When cleaning the video heads, read all the instructions provided with the head-cleaning cassette. Incorrect head cleaning can permanently damage the video heads.

Video Cassettes

- High quality, brand-name cassettes often last longer and provide a better picture.
- Rewind your cassettes all the way so that the tape is not at a midpoint.
This can extend the life of a cassette tape.
- Do not touch or splice the tape. This can damage the tape, and playing such a tape can damage your VCR. Do not take apart any cassette you plan to use again.
- Do not put any object inside a video cassette case and do not clean inside the cassette.
This can permanently damage the tape, making it unusable.

Note: If problems persist, contact your Rosen dealer for service.

Specifications

Format	VHS 1/2 inch (12.7mm)
Signal system:	Standard NTSC
Recording system	Rotary Double azimuth four-head helical scanning system
Video heads	DA-4 rotary heads
Audio heads	Linear; 1 stationary Hi-Fi ; 2 rotary
Control head	1 stationary
Erase	1 full track 1 audio track
Antenna input/output terminals:	UHF/VHF: 75 Ω F type connector
Recording/Playback system:	Recording: VHS format(SP, SLP) Playback: VHS format(SP, LP, SLP)* Video cassette with VHS mark
Record/Play Time:	6 hours with T-120 in SLP mode
FF/REW Time (T-120):	Approx. 2 minutes and 20 seconds
Power Source:	12V DC
Power Consumption:	12W
Dimensions:	265mm(W) X 94mm(H) X 260mm(D) 10.4"(W) X 3.7"(H) X 10.2"(D)
Weight:	2.4kg/5.3lbs

Your VCR can receive 68 broadcast TV channels or up to 125 unscrambled cable channels. Check your local cable company for complete compatibility requirements.

Type	Number	Channel List of Channels
On Air	12	VHF (Channels 2-13)
	56	UHF (Channels 14-69)