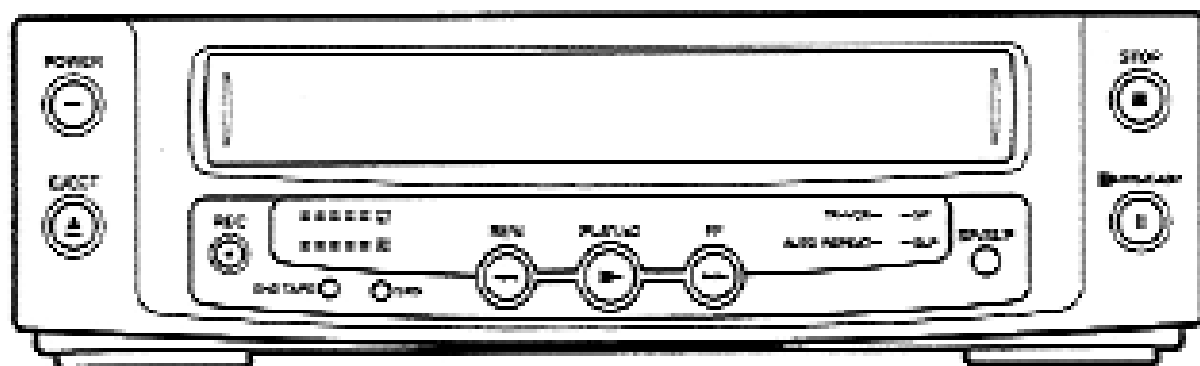


JENSEN®

User's Guide

KVC1000H Videocassette Recorder



Important Safety Instructions**CAUTION**

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol indicates the presence of high voltage in the unit. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

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 Safeguards

1. **Read Instructions** – Read all safety and operating instructions before operating the product.
2. **Retain Instructions** – Retain all safety and operating instructions for future reference.
3. **Heed Warnings** – Adhere to all warnings on the product and in the operating instructions.
4. **Follow Instructions** – Follow all operating and use instructions.
5. **Cleaning** – Unplug from power source before cleaning. Use damp cloth only; do not use liquid or aerosol cleaners.
6. **Attachments and Connections** – Do not use with attachments or make any connections other than those recommended by the manufacturer.
7. **Ventilation** – Slots and openings in the cabinet are provided for ventilation. To ensure reliable operation of the product and to protect against overheating these openings must not be blocked or covered. The product must not be placed on any surface or positioned in any way that will cause these openings to be blocked or covered.
8. **Power Cord Protection** – The power cord should be routed in such a way that it is not likely to be stepped on, have objects placed on it, or hinder operation of a vehicle in any way.
9. **Unit Placement** – The unit should be positioned on a flat, sturdy surface and secured in such a way that it cannot move freely about the passenger compartment or hinder operation of a vehicle in any way.
10. **Object and Liquid Entry** – Never insert objects (other than videocassette tapes, as instructed) into this product. Electric shock, fire or electric short-out can occur. Never spill/pour liquid of any kind onto/into this product.
11. **Service** – Do not attempt to service this product yourself; opening or removing the cover may expose you to dangerous electric voltage or other hazards. Refer all service to qualified service personnel.
12. **Damage Requiring Service** – Unplug this product from the power source and refer to qualified service personnel for the following:
 - A. If the power supply cord or plug is damaged.
 - B. If liquid has spilled into or objects have been dropped onto the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally according to the operating instructions. Adjust only those controls covered by the operating instructions, as improper adjustment of other controls can cause damage and can require extensive repair work by a qualified technician to restore normal operation.
 - E. If the product has been dropped or damaged in any way.
 - F. If the product exhibits a distinct change in performance.

13. **Replacement Parts** – When replacement parts are required, be sure the service technician uses 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.
14. **Safety Check** – Upon completion of any service or repairs to this product, ask the service technicians to perform safety checks to determine that the product is in proper operating condition.
15. **Heat** – The product should be situated away from heat source devices such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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Features and Accessories

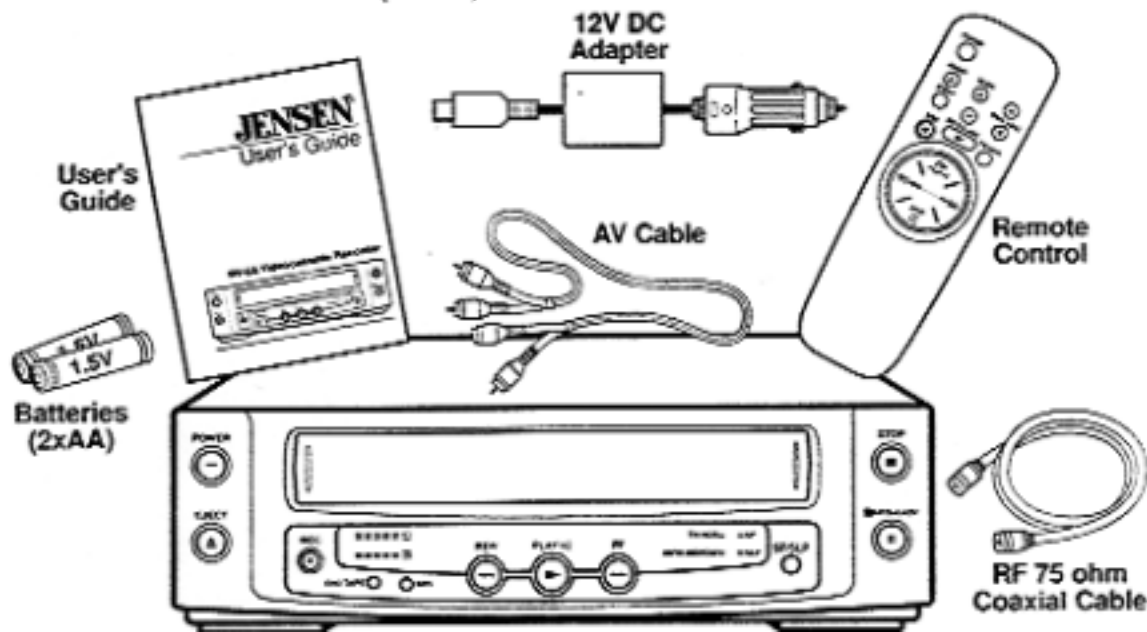
Features

- Hi-Fi stereo
- SRS (Simulated Surround Sound)
- Audio/Video Inputs
- Digital Auto Tracking
- Built-in HQ (High Quality) video circuitry
- Variable Speed Playback, including DSP (Double Speed Playback), Frame Advance and Slow Motion
- Infrared Wireless Remote Control
- Alarm function – activates when tape remaining is less than 5 minutes

Accessories

Check that you have received the following:

- VCR
- RF 75 ohm coaxial cable
- A/V RCA cable
- VCR user's guide
- Remote control
- 12V DC Adapter for lighter
- Batteries (2 x AA)



Videocassette Tapes

Always insert the videocassette window-side up with the arrow on the case pointing toward the VCR.

Use only videocassette tapes marked **VHS**. European-standard PAL VHS videocassette tapes and S-VHS prerecorded videocassette tapes are not compatible.

To prevent accidentally recording over previously recorded material, remove the Record Protect Safety Tab on the videocassette case after recording.

To record a tape that has the Record Protect Safety Tab removed, place a piece of cellophane tape over the space from which the tab was removed.



Note: The recording time available on a videocassette depends on Tape Speed (SP or DSP) and Cassette Type (T60 = 60 minutes at SP or 120 minutes at SLP; T120 = 120 minutes at SP or 360 minutes at SLP).

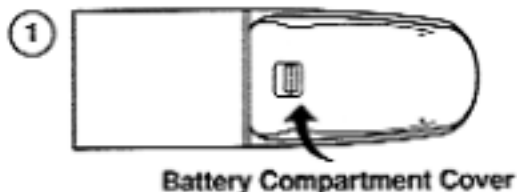
Note: Keep cassettes from direct sunlight, heat or extreme cold. Do not drop cassettes. Never touch the recording surface of the tape.

About Videocassettes

- In general, high-quality, brand name videocassettes 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 tape life.
- Do not touch or splice the tape; this can damage the tape and playing such a tape can damage the VCR.
- Do not take apart any cassette you plan to use again
- Do not put any object inside a videocassette and do not clean inside a videocassette; this can permanently damage the tape, making it unusable.

Remote Control Battery Install/Replace

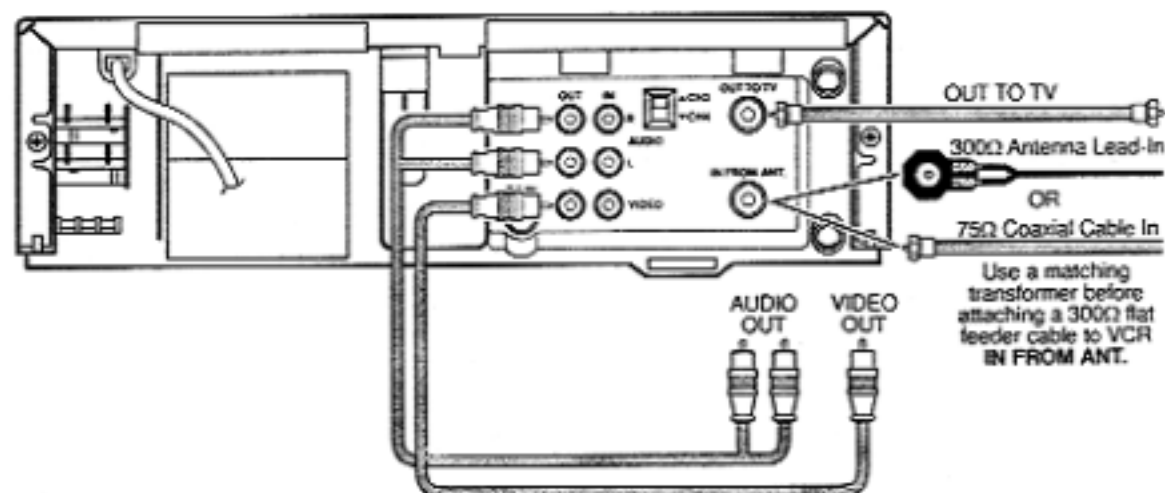
1. Lift and remove battery compartment cover from back of remote control.
2. Insert two AA batteries following polarity (+,-) as diagrammed.
3. Replace battery compartment cover.



Back view of remote control

Antenna/Cable Connection

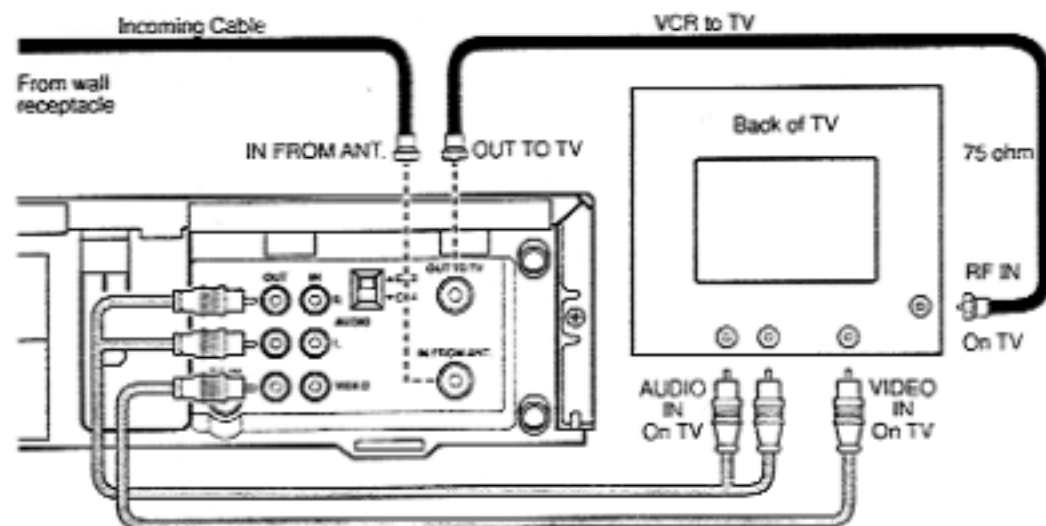
Connect incoming coaxial antenna or cable line to **IN FROM ANT.** as shown:



- If your antenna line in is 300 ohm (with twin spade-type connectors), obtain a matching transformer (300 ohm to 75 ohm, not included) that will permit connection to the VCR's 75 ohm coaxial antenna input.

TV Connection

To connect the VCR and TV, use the cable type (75 ohm coaxial or A/V RCA-type) appropriate to your TV. Connect the VCR to the TV as shown:



Power

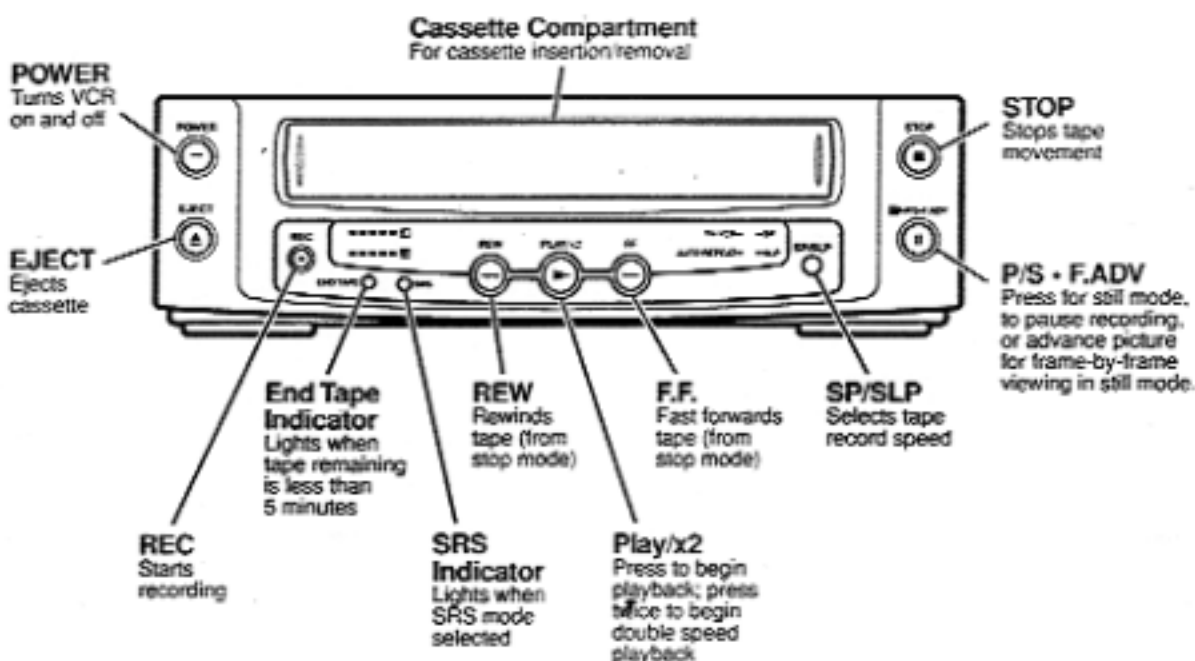
To provide power for the VCR:

Connect the small plug end of the DC-DC Converter to the **DC-IN** jack on the back of the VCR. Insert the cigarette lighter plug end of the DC-DC Converter into the vehicle cigarette lighter socket (see **Rear Panel**). For direct wiring, the cigarette lighter plug may be removed. Be sure to observe proper polarity when connecting wires.

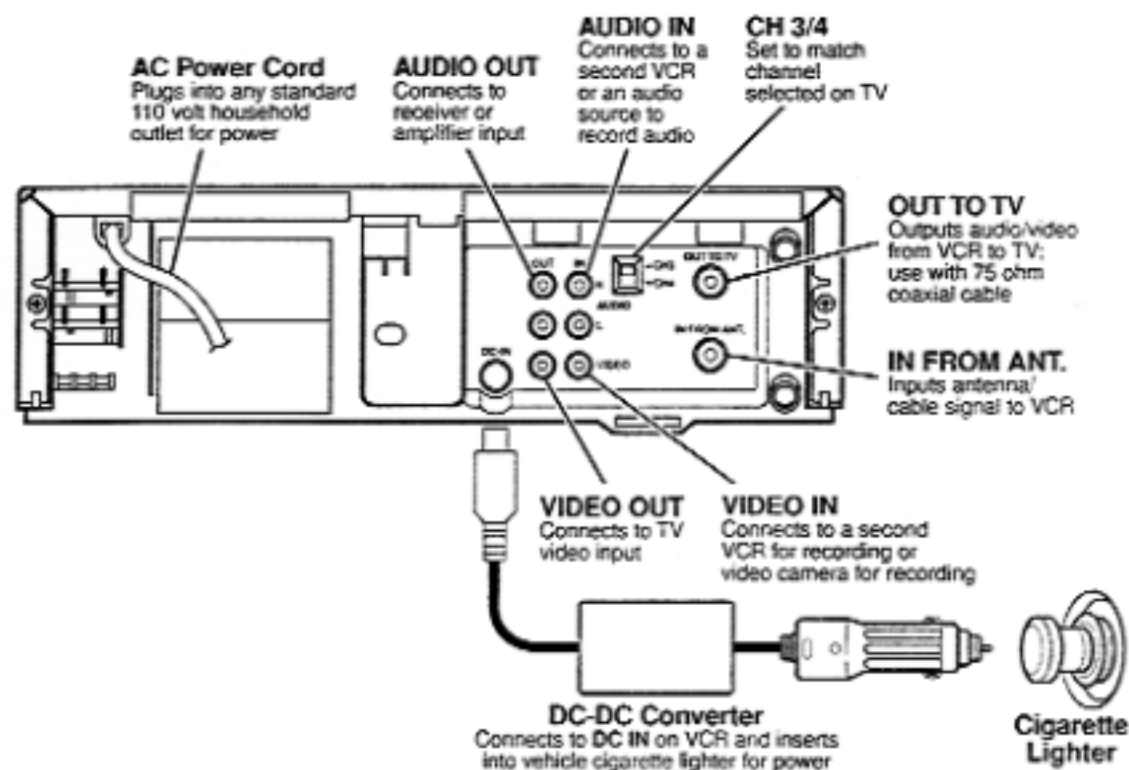
OR

Connect the AC Power Cord to a standard 110 volt household outlet (see **Rear Panel**).

Front Panel

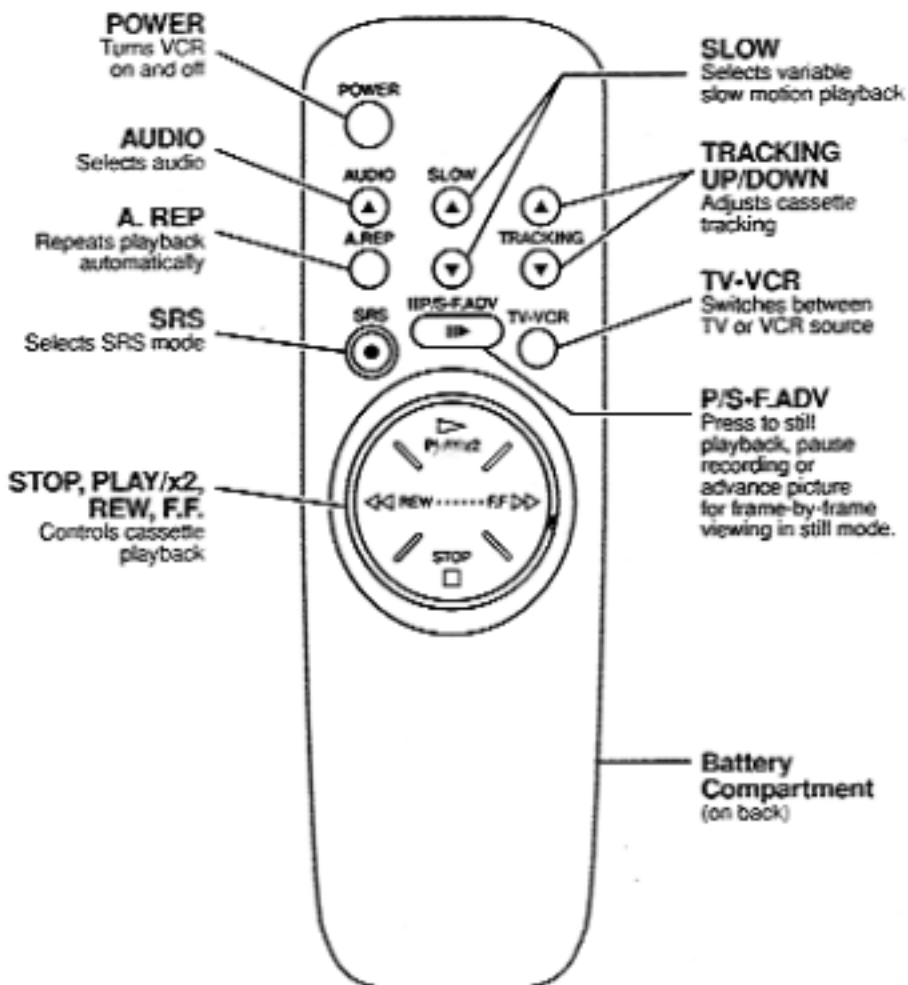


Rear Panel



Remote Control

Always aim the remote control directly at the VCR.



Playing a Tape

1. Turn TV and VCR on.
2. Tune TV to channel 3 or 4, depending on how **CH3/4** switch is set.
3. Insert videocassette into VCR. VCR automatically begins to play.

Manual Tracking

For best picture quality, the VCR video head must be aligned with the recorded track on the tape; this alignment is called tracking.

Videocassettes recorded on other VCRs and videocassettes with copy protection may require some manual adjustment.

To adjust manually, press **TRACKING ▲** or **TRACKING ▼** as necessary until the best picture possible is achieved.

Note: Picture distortion often occurs at the beginning of a tape. Let the tape play for a moment to see if the distortion clears.

Note: If manual tracking adjustments do not produce a clear picture, there may be a problem with the videotape.

Using Special Features

SRS

For best audio quality, select SRS mode when playing a hi-fi tape.

Forward and Reverse Picture Search

While in Play mode, press  or ; to resume normal viewing, press .

Forward and Reverse Jet Search

While in Play mode, press and hold  or ; 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  again to advance picture frame by frame. To resume normal viewing, press .

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.

Auto Repeat

Press  to repeat tape continuously from beginning to end.

Double Speed Playback

Press  button to begin playback; press  button again to begin Double Speed Playback. To resume normal viewing, press  button a third time.

Note: While in Double Speed Playback, audio is muted. If streaks appear, adjust picture with Tracking buttons to minimize.

Slow Motion Playback

Press  or  for Slow Motion Playback. Each time  is pressed, Slow Motion Playback slows incrementally; each time  is pressed, Slow Motion Playback speeds up incrementally.

Recording

1. Turn on TV and VCR
2. Insert videocassette tape
3. Press  to change VCR to TV mode
4. Select TV channel and record speed (SP, SLP)

Note: Tape speed can be changed while recording; there may be minor distortion but no interruption

5. Press ; the REC button will light
6. To pause recording, press . To resume recording, press  or .
7. To end recording, press .

Cleaning and Care

- Disconnect the VCR from the power source before cleaning.
- Do not use liquid or aerosol cleaners on or in the VCR.
- Use a dry cloth to dust the VCR
- Keep the remote control with the VCR and secure it in such a manner that it is unlikely to be lost or damaged.
- Keep liquids away from the VCR. A spill on the VCR can damage the electronics and cause electric shock or fire.

**DO NOT INSERT ANY OBJECTS INTO THE CABINET SLOTS;
CONTACT WITH A VOLTAGE POINT INSIDE THE VCR CAN CAUSE
DANGEROUS SHOCK OR MAY SHORT OUT PARTS AND CAUSE FIRE
OR ELECTRIC SHOCK.**

Video Head Cleaning

If poor playback qualities (snow, distortion, streaking, etc.) develop and persist, the unit's video heads may need cleaning. Do not clean the heads excessively. If necessary, purchase a head cleaning cassette.

When using a head cleaning cassette, read all instructions carefully; incorrect head cleaning can permanently damage the video heads.

Troubleshooting

Before calling for service, check the following:

Problem: No power.

Solution: Make sure the VCR is on and connected to an operating power source; check the remote for "good" batteries.

Problem: Videocassette cannot be inserted.

Solution: Press  to see if a cassette is already in the VCR. Make sure the videocassette is window-side up, with the arrow pointing toward the VCR.

Problem: No picture, distorted picture on playback.

Solution: • Try another videocassette to see if it plays back properly.

- Press **TRACKING**  or **TRACKING**  to adjust the picture.
- Press  for VCR viewing.
- Set the TV channel to 3 or 4, depending on how the **CH3/4** switch is set.
- Make sure the TV is working properly.
- If the problem occurs on more than one tape, try using a video head cleaner cassette.

Problem: No TV broadcast picture.

- Solution:** • Press  for TV viewing or turn VCR POWER off.
- Check all connections between VCR, antenna/cable, and TV.
 - Make sure TV is on.

Problem: Streaks (noise) on a taped program.

- Solution:** • Press **TRACKING**  or **TRACKING**  to adjust the picture.
- Check all connections.
 - View another videocassette to see if it plays back properly.
 - If the problem occurs on more than one tape, try using a video head cleaner cassette.

Note: Copy protection schemes can distort the picture; see your rental store operator.

Problem: Streaks (noise) or jitter with the VCR in Still mode.

Solution: Press TRACKING ▲ or TRACKING ▼ to adjust the picture.

Problem: VCR will not Play, Rewind or Fast Forward.

Solution: • Check if the VCR is in Still mode.
• Check if the cassette has been rewound.

Problem: The VCR motor continues to run even after ⏏ is pressed.

Solution: This is normal; the video heads run for five minutes even after a cassette has been stopped.

Specifications

Format	VHS 1/2 inch (12.7mm)
Recording system	Rotary Double azimuth four-head helical scanning
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
Record/play time	6 hours with T-120 in SLP mode
Video input	Video IN terminal (RCA) 1.0 Vp-p, 75 ohm unbalanced
Video output	Video OUT terminal (RCA) 1.0 Vp-p, 75 ohm unbalanced
Audio input	Audio IN terminal (RCA) 300 MV, 50K ohm
Audio output	Audio OUT terminal (RCA) 300 MV
Signal-to-noise ratio	Linear; better than 40dB Hi-Fi; better than 40dB
Power source	120V/60Hz
Power output	App. 18 Watts on; App. 9 Watts off
Dimensions	11.4" (W) x 3.64" (H) x 12.95" (D) (290mm x 92.5mm x 329mm)
Weight	8.1 lbs (3.7 kg)

Limited One Year Warranty—USA and Canada

Length of Warranty. This warranty from Recoton Mobile Electronics shall be in effect for a period of one year from the date of the first consumer purchase.

Persons Protected. This warranty will be enforceable by the original owner and any subsequent owners during the warranty period so long as proof of date of purchase from an authorized Jensen dealer is presented whenever warranty service is required.

What is Covered. Except as otherwise specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered: damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product; damage occurring during shipment (claims must be presented to the carrier); elimination of car static or other electrical interferences; any product purchased outside USA or Canada, or on which the serial number has been defaced, modified or removed.

How You Can Get Service.

U.S. Purchasers. Please telephone Jensen at 1-800-323-4815. We will either inform you of the name and address of an authorized Jensen repair station which will service the product or will advise you to send the product to a factory service center.

Canadian Purchasers. The product should be returned to the Jensen dealer from whom it was purchased and such dealer either will service or arrange for service of the product.

If shipment of the product is required, it should be packed securely. The original dated bill of sale must always be included with the product as proof of warranty coverage.

What We Will Pay For. We will pay for all labor and material expenses required to repair the product, but you must pay any labor costs for the removal and/or installation of the product. If the product is shipped for warranty service, you must prepay the initial shipping charges, but Jensen will pay the return shipping charges if the product is returned to an address inside the USA or Canada.

Limitation of Implied or Statutory Warranties and Conditions. All implied or statutory warranties and conditions, including warranties or conditions of merchantability, fitness for particular purposes and non-infringement, are limited in duration to the length of this warranty.

Exclusion of Certain Damages. Jensen's liability is limited to the repair or replacement, at our option, of any defective product and shall not include incidental or consequential economic damages of any kind.

Some states and/or provinces do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province.

JENSEN

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