

5-31-04-758

Features

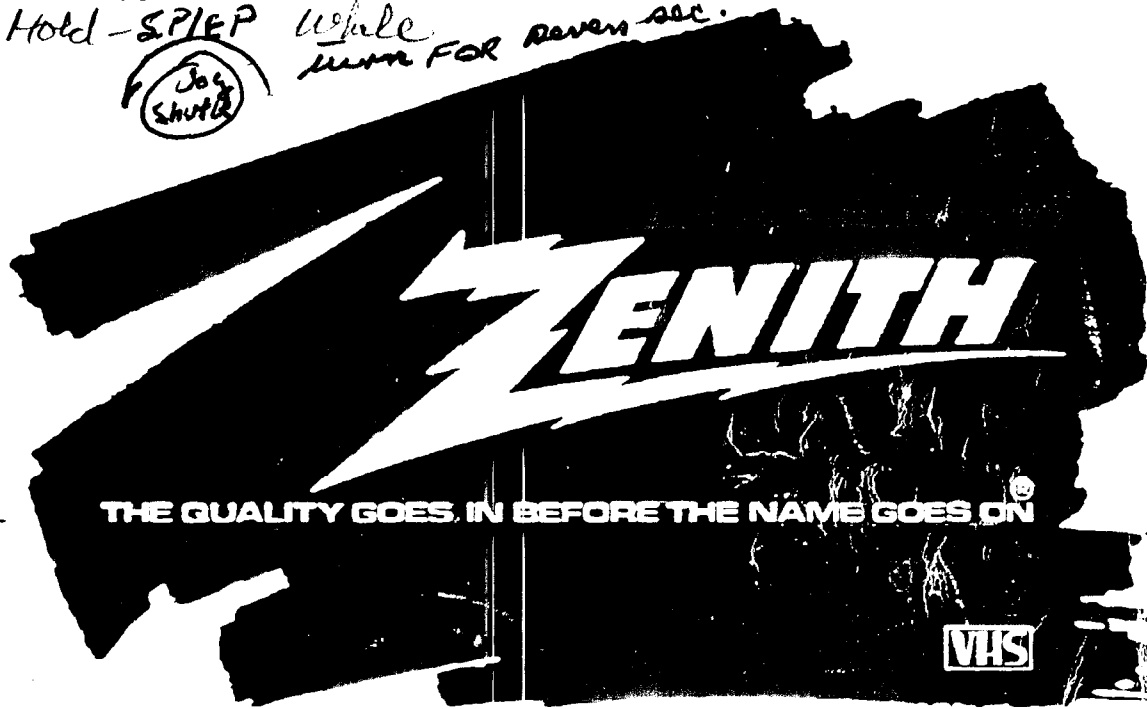
VR4235HF

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Note: Features vary between models; some features listed may not be available on your VCR.

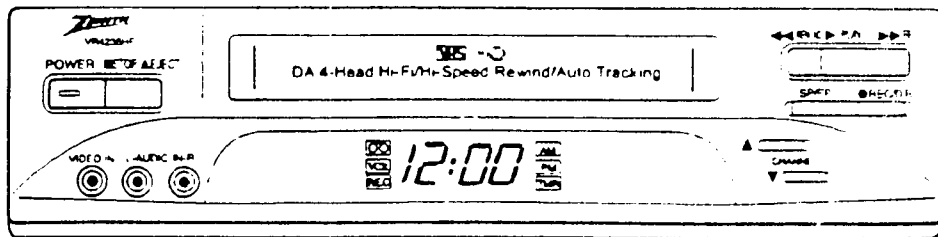
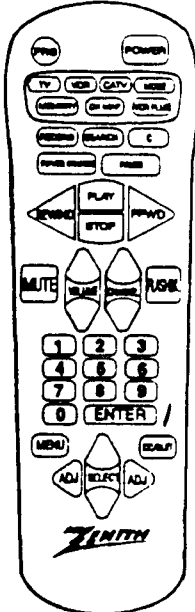
VR2135 VR4185
VR4135 VR4235HF

VCR Plus Recording with Cable Box Control

VR4185 - 580.55 935010
FOR DEMO
Hold-SLEEP while turn FOR REVEN SEC.
Joe Shuttle



Video Cassette Recorder Operating Guide and Warranty





WARNING



**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

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

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



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 appliance.

Safety Tips

Refer to the "Safety Tips" booklet that came with your product for important safety considerations.

Note to Cable TV System Installer

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC 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 the cable entry as practical.

Power-Cord Polarization

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other.) This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug by altering it in any way.

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.

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. 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.

This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

"Cet appareil numérique de la class b respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada."

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Warranty coverage for your VCR.

This product is exclusive to and warranted solely by Sears. Refer to back cover for specific warranty information.


Notes: All VCR features, graphics and identification labeling are subject to change without prior notice.

Features vary between models—not all features listed may be available for your particular VCR. Check VCR Features Chart.

GENERAL INFORMATION

Congratulations on buying the **VHS** Video Cassette Recorder (VCR). For your convenience, please read these simple instructions before operating your VCR.

NOTES:

- This Video Cassette Recorder is compatible with any video cassette bearing the mark **VHS**.
- **VHS** is designed to expand your opportunities for in-home TV viewing and not for any usage which might violate copyright laws.
-  The Video Cassette Recorder (VCR) with this marking incorporates **VHS** high-quality picture technology and is compatible with any Video Cassette Recorders bearing the **VHS** mark.

Installation Considerations

Before you install your VCR...



Ventilation — Proper ventilation keeps your VCR running cool. Air circulates through perforations in the back and bottom of the cabinet. Do not block these vents or you will shorten the life of your VCR.



Power Source — Your VCR is designed to operate on normal household current, 120 volt 60 Hertz AC. Do not attempt to operate it on DC current.



Power Cord — Your VCR power cord has a polarized plug as required by Underwriters' Laboratories. It has one regular blade and one wide blade and fits only one way into a standard electrical outlet. If the blades will not enter either way, your outlet is very old and non-standard. A new outlet should be installed by a qualified electrician.



Safe Operation — Your VCR is manufactured and tested with your safety in mind. However, unusual stress caused by dropping or mishandling, exposure to flood, fire, rain or moisture, or accidental spilling of liquids into the VCR, can result in potential electrical shock or fire hazards. If this happens, have your VCR checked by a service technician before using it again.

Please read and observe each safety point in the "Safety Tips" folder when installing and using your VCR.

- **Plugging in Your VCR** — Be sure to plug your VCR into an "unswitched" AC power source. The "switched" AC outlets found on some video equipment will not continue supplying power to the VCR once the equipment is turned off. If the power to the VCR is interrupted for an extended time, you will have to reset the clock in the VCR.
- Keep the video recorder and video cassette away from strong magnetic fields.
- Use only approved and recommended accessory units with your video recorder to avoid potential hazards.
- Save the shipping carton and packing material. They will come in handy if you ever have to ship your video recorder. For maximum protection, re-pack the video recorder as it was originally shipped from the factory.

Moisture condensation is apt to occur under the following conditions:

- 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 the POWER switch set to ON. This will help prevent condensation from occurring.
- When condensation has occurred, it will not evaporate quickly once the power is switched on. Wait a few hours for the video recorder to become dry before using the video recorder.

INSTALLATION

VCR Setup Checklist

Step A Connect Cables to System Components

1. Make equipment connections to VCR, (see the following pages in this section.)
2. Plug all system components into household current (120V AC-Line Outlet).
Remove shipping plug from front audio/video jacks.

Step B Personalize On-Screen Menus

Set up VCR Features for your particular system, (see section 4-VCR Features Setup.)

1. (Optional) Specify Spanish for On-Screen Menus.
2. Set the VCR Clock.
3. Perform Auto Channel Search.
4. (Optional) Specify, ADD or DEL (Delete) in Channel Scan.

Step C VCR Plus Setup VR4185

1. Set up VCR Plus and Channel Map for your local broadcast area. See section 12-VCR Plus Setup.

Once Steps A, B and C are complete, your VCR is ready to use.

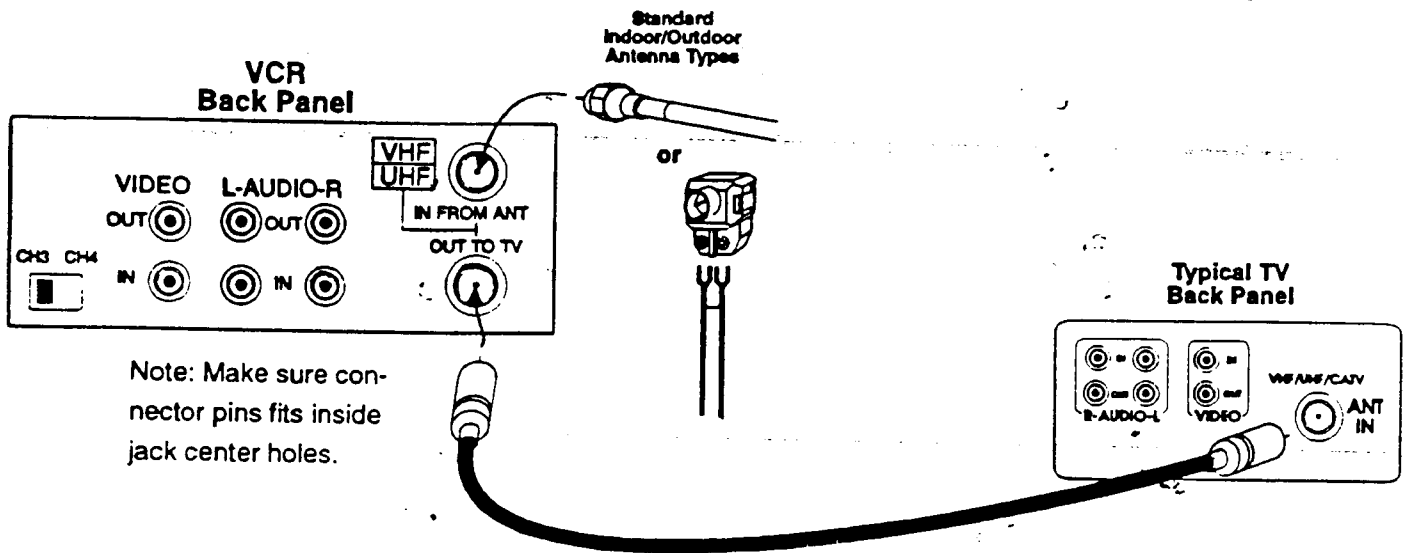
Notes to above steps:

- You can change the on-screen menu system, so it appears in Spanish instead of English.
- The VCR clock must be set before attempting to record using the VCR timer.
- Auto Channel Search registers the channels you receive; numerically. You can then customize your channel scanning selection with the optional Channel ADD/DELETE Procedure. You can specify if a particular channel should be omitted or included (added/deleted) when scanning channels.
- If you move or change equipment connections to the VCR, redo the channel search.
- You must complete the VCR Plus Setup procedure, before you can record using the VCR Plus feature.
- You must channel map for your local broadcast area, or the program you record may be from a different channel than the one you intended.

Note: If a power failure occurs and lasts for over 15 minutes, you will have to reprogram the VCR features.

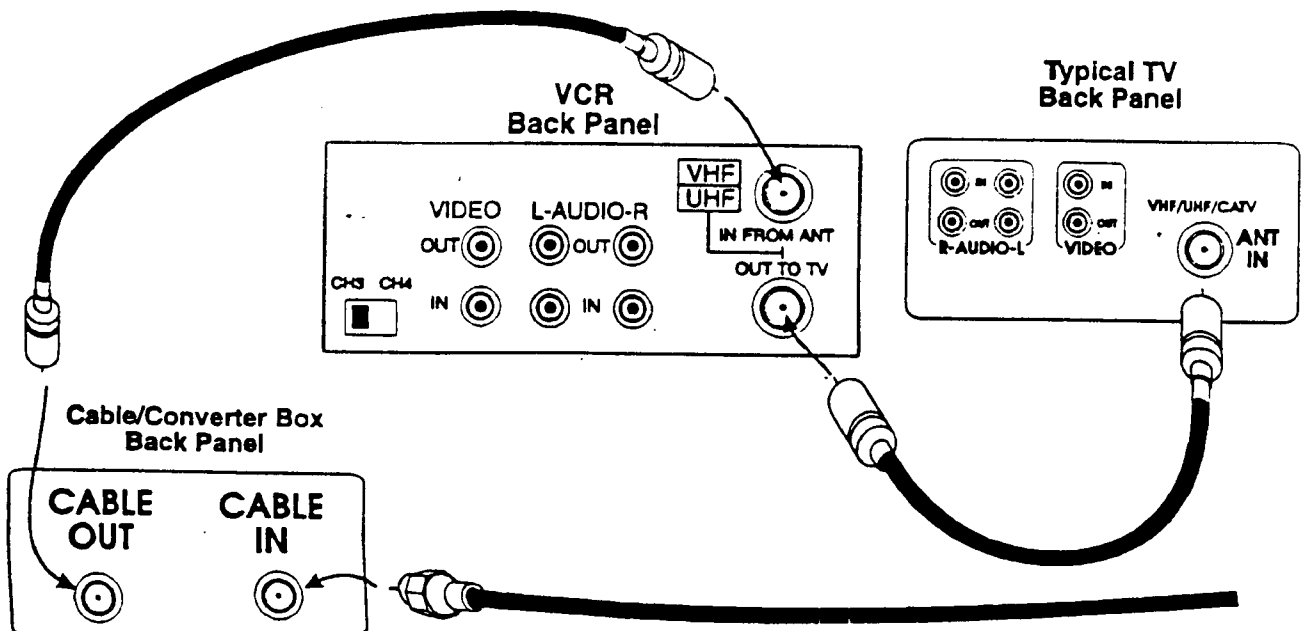
INSTALLATION/Step A

Connections



- Step 1. Connect your antenna type or CATV cable to VCR ANT IN.
- Step 2. Connect Hook-up Cable from VCR OUT TO TV to TV Ant In.
- Step 3. Set CH3-4 Switch on VCR back panel to CH3.

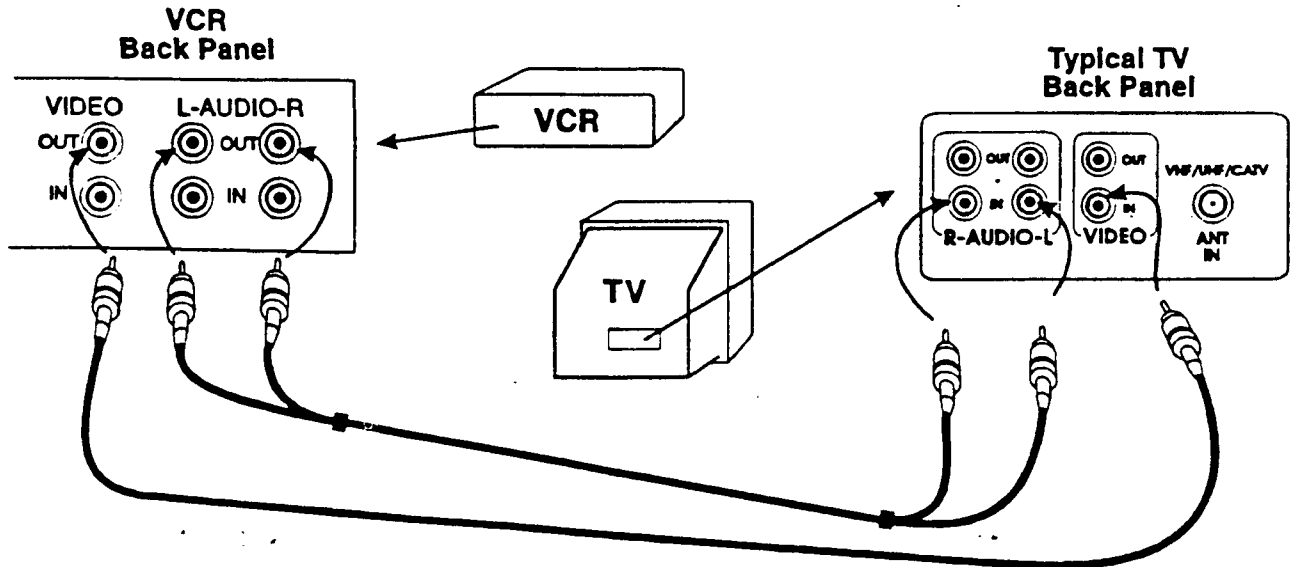
Connections with a Cable Box



- Step 1. Connect CATV Cable to Cable In.
- Step 2. Connect Cable Out to VCR IN FROM ANT.
- Step 3. Connect Hook-up Cable from VCR OUT TO TV to TV Ant In.
- Step 4. Set CH3-4 Switch on VCR back panel to CH3.

INSTALLATION/Step A

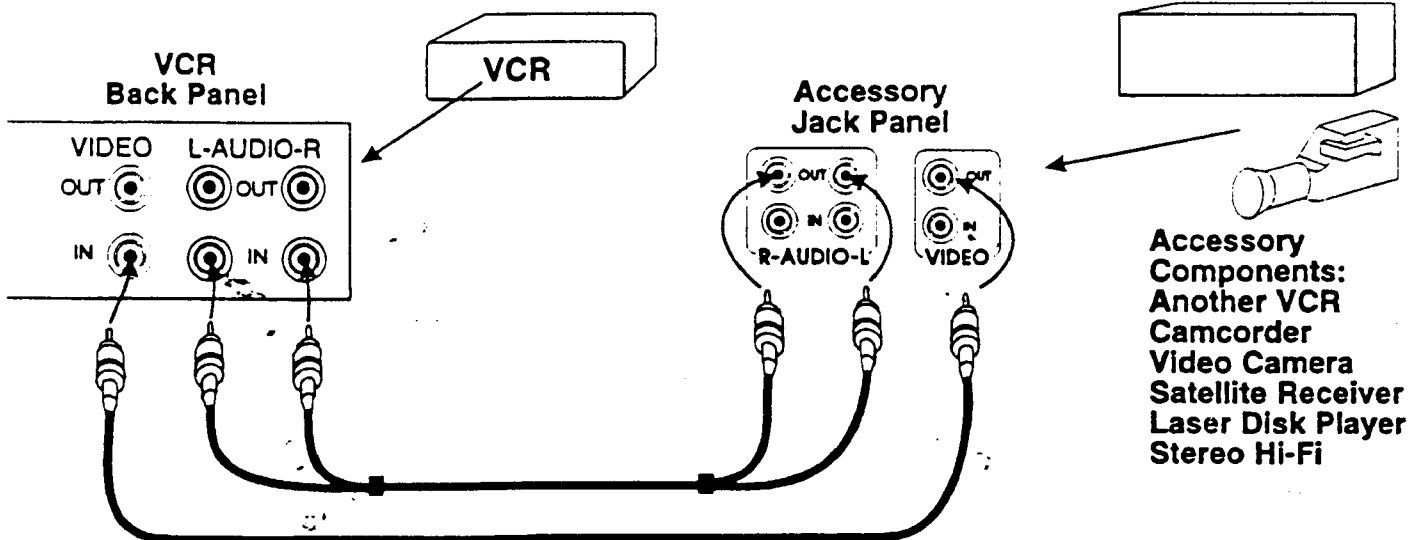
Audio/Video Connections (To TV A/V In Jacks)



Note: You must make these additional connections to hear stereo sound while playing a tape or using the VCR Tuner as the source of the TV picture. See Additional Information.

- Step 1. Connect VCR L-AUDIO-R OUT to Audio Right and Left In jacks on the TV or a stereo.
- Step 2. Connect VCR VIDEO OUT to the Video In jack on the TV.

Accessories Audio/Video Connections (To VCR A/V In Jacks)

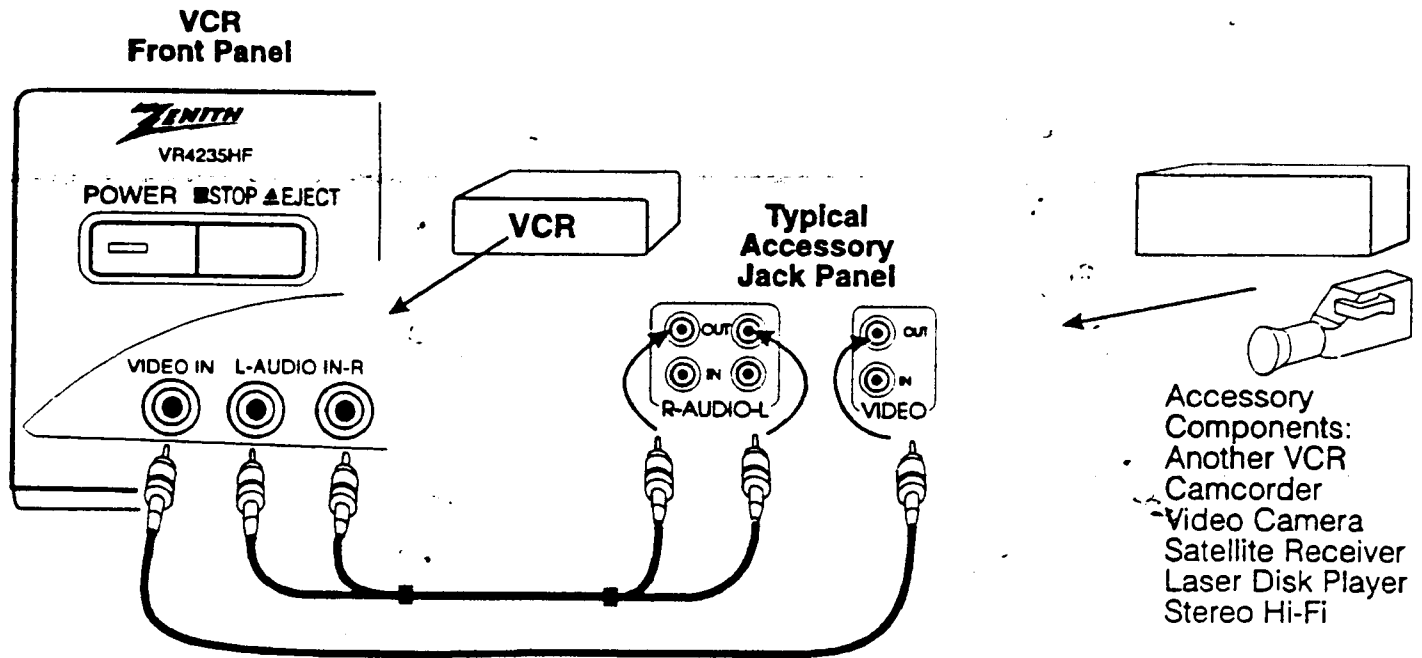


- Step 1. Connect Audio Right and Left Out Cables from an audio source, such as another VCR, Camcorder, Satellite Receiver, Laser Disk Player or Stereo Hi-Fi, to the VCR L-AUDIO-R IN jacks.
- Step 2. Connect Video Out from a video source to the VCR VIDEO IN jack.

Note: If you need adapters or additional audio/video cables to make the connections shown in this section, they can be purchased from your nearest Sears Retail Store or Service Center.

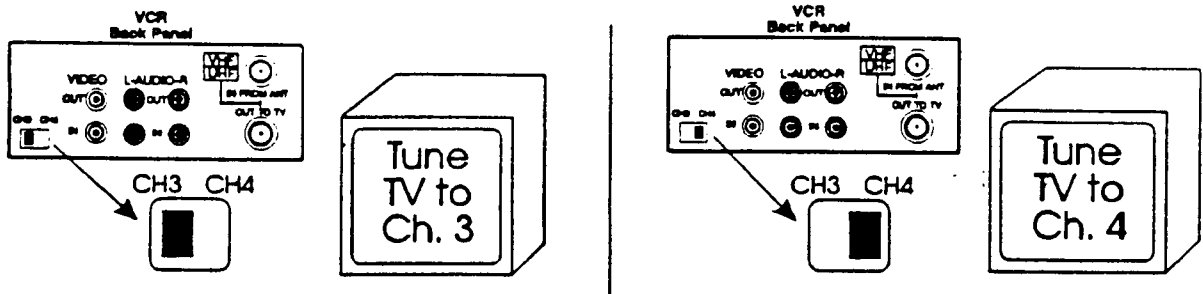
INSTALLATION/Step A

VCR Front Audio Video (In) Connections



Use the VCR front L-AUDIO-R/VIDEO (In) jacks for easy connection when using an accessory component temporarily. The accessory component, connected to the VCR FRONT L-AUDIO-R/VIDEO (In) jacks, will override the component connected to the VCR REAR L-AUDIO-R/VIDEO IN jacks.

VCR CH3-4 Switch (Works with TV Ant In Connections Only)

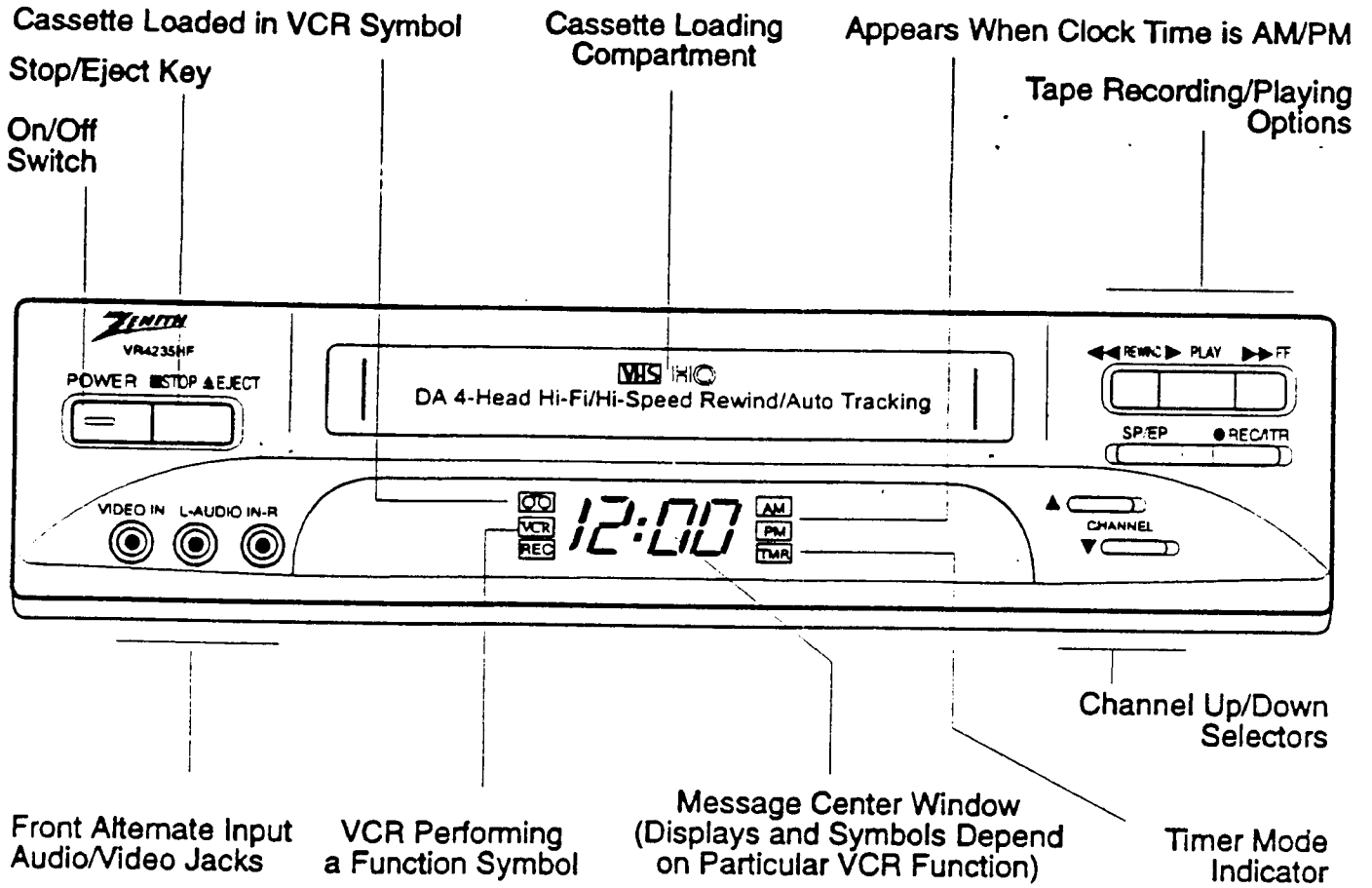


VCR CH3-4 Switch - This switch sends the signal produced by the VCR to the TV set over Channel 3. **ALL SYSTEM OPERATIONS (VCR Tuning, Playback, Recording, Timer Recording etc.) WILL HAVE TO BE PERFORMED WITH THE TV TUNED TO CHANNEL 3.** (Before the TV can receive an image sent from the VCR, while the VCR is On, the TV must be On and tuned to Channel 3. TV/VCR Switch set to VCR, so VCR appears in Message Center.)

If Channel 3 does not work, set the Ch3-4 switch to Ch- 4. **ALL SYSTEM OPERATIONS (VCR Tuning, Playback, Recording, Timer Recording etc.) WILL THEN HAVE TO BE PERFORMED WITH THE TV TUNED TO CHANNEL 4.** (Before the TV can receive an image sent from the VCR, while the VCR is On, the TV must be On and tuned to Channel 4. TV/VCR Switch set to VCR, so VCR appears in Message Center.)

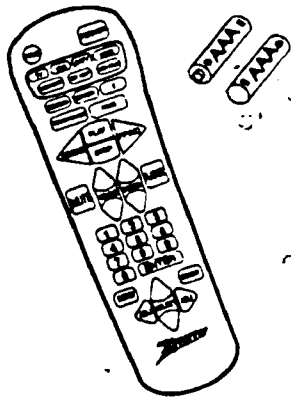
VCR FRONT PANEL CONTROLS

VCR Front Panel

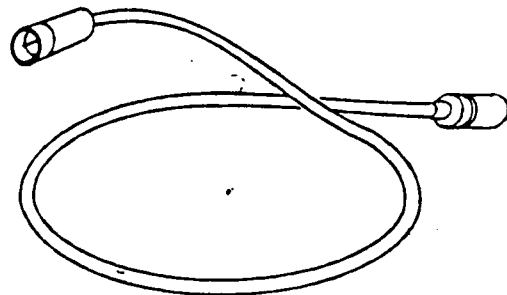


Operate your VCR using the front panel buttons or the Remote Control keys.

VCR Accessories

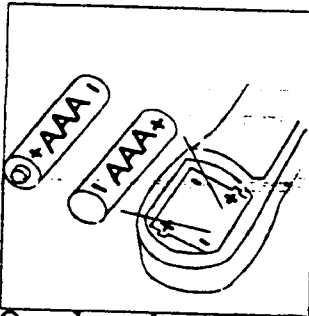


Hookup Cable



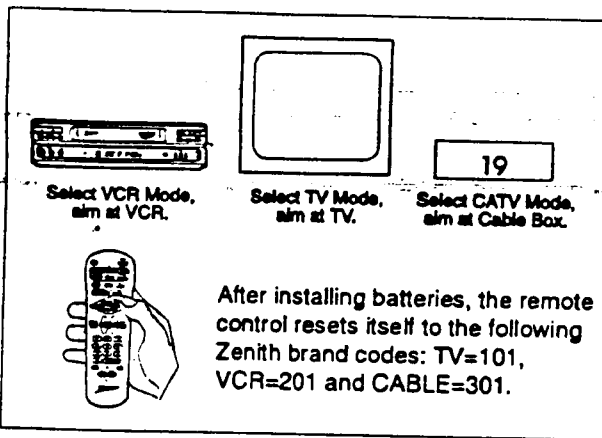
REMOTE CONTROL MBR3350-02

Installing Batteries



Once batteries are installed, the Remote is ready to control VCR.

Using Remote Control



In Addition to Your VCR, use Remote Control to Operate Other Equipment

1. To program Remote to operate most remote controlled TVs and cable boxes, look up your units' brand code numbers in Tables 1 or 3.

TV Code(s)

CABLE Code(s)

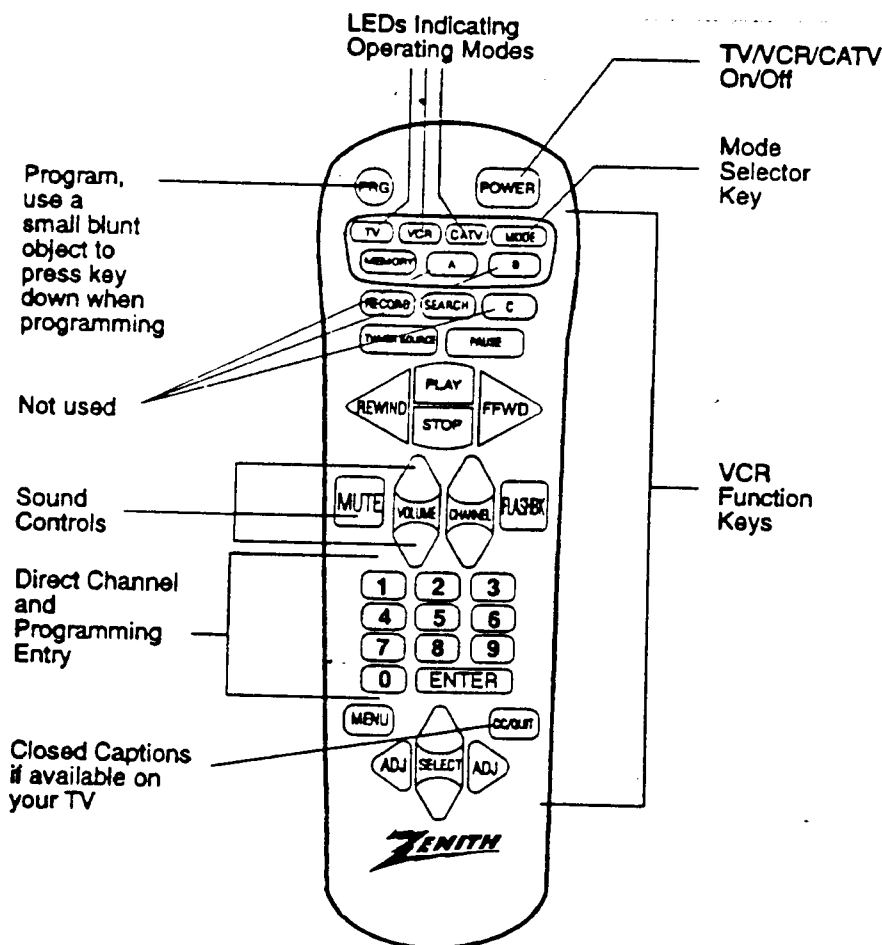
2. Press **MODE** several times to choose (light) LED of mode you desire to teach code to; TV or CATV.

3. Press **PRG** for about 5 seconds, with a small blunt object, until the mode indicator you chose lights.

4. Key in your unit's brand code.

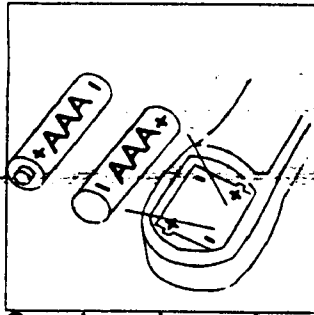
5. Press **ENTER**, all indicators should light briefly; code has been learned. If not, repeat steps 2 through 5. (Try other codes for your brand.)

Note: If batteries are removed it may be necessary to reprogram the Remote for proper brand codes for your equipment.



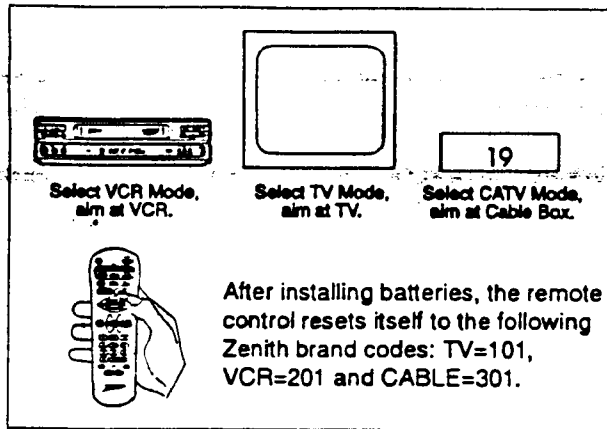
REMOTE CONTROL MBR3370-02

Installing Batteries



Once batteries are installed, the Remote is ready to control VCR.

Using Remote Control

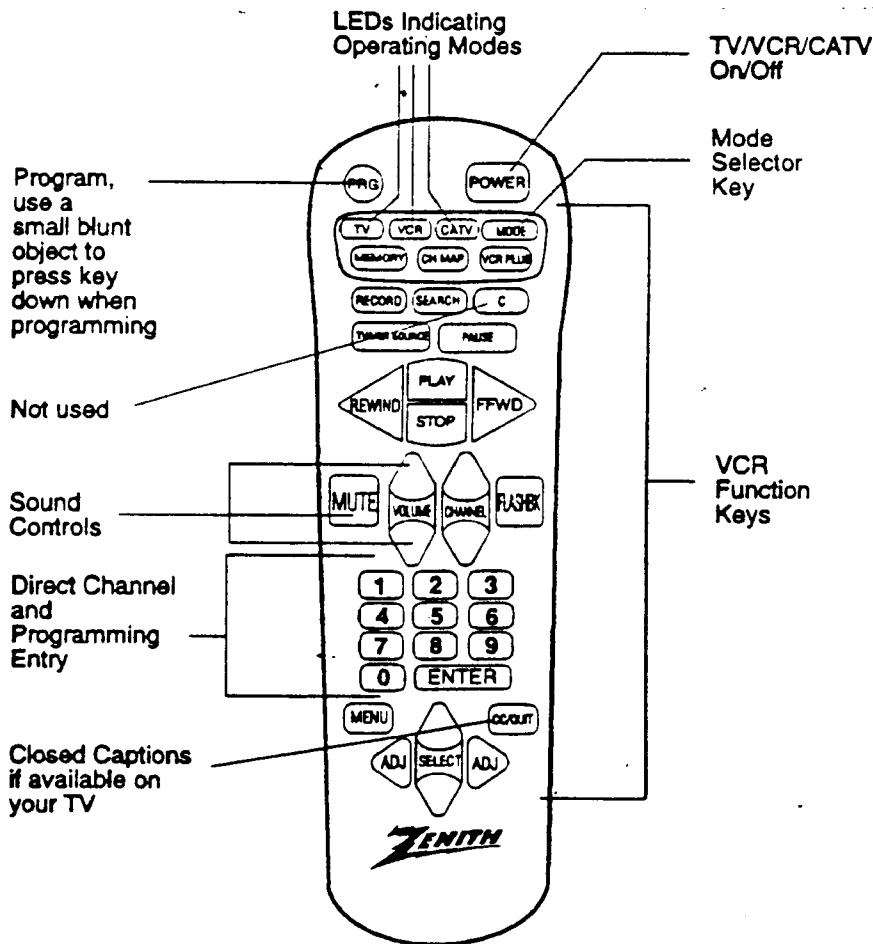


In Addition to Your VCR, use Remote Control to Operate Other Equipment

1. To program Remote to operate most remote controlled TVs and cable boxes, look up your units' brand code numbers in Tables 1 or 3.

TV Code(s)

CABLE Code(s)



2. Press MODE several times to choose (light) LED of mode you desire to teach code to; TV or CATV.

3. Press PRG for about 5 seconds, with a small blunt object, until the mode indicator you chose lights.

4. Key in your unit's brand code.

5. Press ENTER, all indicators should light briefly; code has been learned. If not, repeat steps 2 through 5. (Try other codes for your brand.)

Note: If batteries are removed it may be necessary to reprogram the Remote for proper brand codes for your equipment.

MBR3350-02, MBR3370-02 TV, VCR AND CABLE DECODER OPERATING CODES BY BRAND NAME

Table 1. TV Codes by Brand

TV Brand Name	Codes
Admiral	116, 121
Akai	104
Amark	103, 146
AOC	104
Bell & Howell	121
Broksonic	131, 136
Candle	139
Centurion	119
Citizen	139
Contec	141
Coronado	103
Crown	103
Curtis Mathes	116, 119, 121
Daewoo	149
Daytron	119
Emerson	124, 131, 136, 103, 104, 123, 145
Fisher	109, 118
Funai TV/VCR	154
General Electric	116, 106, 107, 114, 117
Goldstar	119, 103, 104, 147
Goldstar TV/VCR	153
Hitachi	102, 103, 129
J.C. Penney	104, 110, 114, 117, 119
JVC	125, 132
KMC	103
KTV	103, 104
Lodgenet	121
Logik	121
LXI	133, 137
Magnavox	112, 103, 113, 117, 119, 127, 128, 139
Majestic	121
Marantz	104, 120
Megatron	146
Memorex	121
MGA/Mitsubishi	120, 104, 119, 130
Montgomery Ward	133, 103, 104, 105, 113, 114, 119, 121, 130
NEC	104, 119
Panasonic	107, 106
Philco	103, 104, 112, 113, 139
Philips	112, 113

Table 1. TV Codes by Brand

TV Brand Name	Codes
Pioneer	135
Portland	103
Proscan	116
Quasar	106, 107
RCA	116, 104, 126
Realistic	105, 123, 124
Sampo	119
Samsung	134, 103, 119, 141
Sanyo	118, 108, 109,
Scott	119
Sears	103, 108, 109, 110, 111, 118, 134
Sharp	133, 137, 103, 105, 122,
Signature 2000	103, 104, 105, 113, 114, 119, 121, 130, 133
Soundesign	139
Sony	151, 115
Sylvania	112, 113, 117, 119, 127, 128, 139
Tatung	106
Teknika	103, 112, 121, 124, 139
Telerent	103, 121
Toshiba	111, 110, 134
Yorx	119
Zenith	101, 149
Zenith TV/VCR	153, 154

Table 2. Zenith VCR Codes

Zenith VCRs	Codes
Zenith	201, 224, 225, 229
Zenith Laser Disk	245

Table 3. Cable Decoder Codes by Brand

Cable Decoder Brand Name	Codes
Allegro	358
Gemini	305, 331
General Instrument	305, 306
Hamlin	302, 303, 345
Jerrold	307, 304, 308, 309, 310
Kale Vision	335
Macom	314, 321

Table 3. Cable Decoder Codes by Brand

Cable Decoder Brand Name	Codes
Macom Satellite	322
Magnavox	334
NSC	335
Oak	311, 332, 342
Panasonic	313, 320
Paragon (Zenith)	333
Philips	347, 350, 352, 354, 355
Pioneer	315
Regency	329
Samsung	335
Scientific Atlanta	316, 323, 336
Sprucer	313
Standard Components	335
STS Satellite	324
Telecaption 4000	325
Tocom	317, 318
Toshiba	322
Toshiba Satellite	319
Unika	348
Universal	358
Video Way	349
Viewstar	354, 355
Zenith	301, 322, 327
Zenith Drake Satellite	312, 330
Zenith HT-2000	353
Zenith Satellite	328

Notes: The MBR3350-02 and MBR3370-02 remotes should operate most, but not all, brands of IR (Infra-Red) controlled TVs, cable boxes and Zenith VCRs listed above; see Tables 1, 2 and 3.

These remote controls should operate most of the functions for the brands listed above. For functions not available on this remote, use your original remote control.

221-782-05

REMOTE CONTROL KEY DESCRIPTIONS

A - B - C— Features not used.

ADJ (ADJUST Left/Right)— Use to modify on-screen menu options and to adjust tape playback tracking.

CC/QUIT— Use to exit any on-screen menu and to access Closed Captions or Text options if available on TV.

CH MAP— Press to begin VCR Plus Setup.

CHANNEL (Up/Down)— Use to change channels one at-a-time.

ENTER— Use for programming on-screen menus. Press channel number(s) then ENTER for direct channel entry.

FF, FAST FWD, F FWD— Use to advance tape rapidly.

FLASHBK (Flashback)— Use during tape playback to return to previous VCR channel.

FWD— Twist shuttle toward this direction to advance tape playback one frame at-a-time.

MEMORY— Use to zero Real-Time tape counter or return tape to M 0:00:00 position.

MENU— Press to display on-screen menu options.

MODE— Mode selector.

MUTE— Press to turn off sound, press again to restore.

Numbered keys— Use to choose channels and enter programming information. Press channel number(s), then ENTER for direct channel entry.

PAUSE— Use to pause tape playback or record.

PLAY— Use to begin tape playback.

POWER— Turns VCR on and off. Turns VCR Timer On and Off.

PRG— Press to begin Remote control Brand Code programming.

QUIT— Use to exit any on-screen menu.

RECORD— Use to access record feature.

REV— Twist shuttle toward this direction to reverse tape playback direction one frame at-a-time.

REW, REWIND— Use to rewind tape rapidly.

REWIND— Use to rewind tape rapidly.

SEARCH— Use to access recording start locations.

SELECT (Up/Down)— Use to choose on-screen menu options.

SOURCE— Operates Source function on some TVs.

SPEED— Use to change indicated recording speed.

STILL— Press during playback to freeze tape frame.

STOP— Use to cancel VCR functions, like tape playback or record modes.

TV VCR CATV— Mode indicator lights.

TV/VCR— Use to switch TV picture from VCR tuner or playback to TV tuner.

TV/VCR SOURCE— Use to switch TV picture from VCR tuner or playback to TV tuner.

VCRPLUS— Press to begin VCR Plus Recording procedure.

VOLUME— Use to increase/decrease sound level.

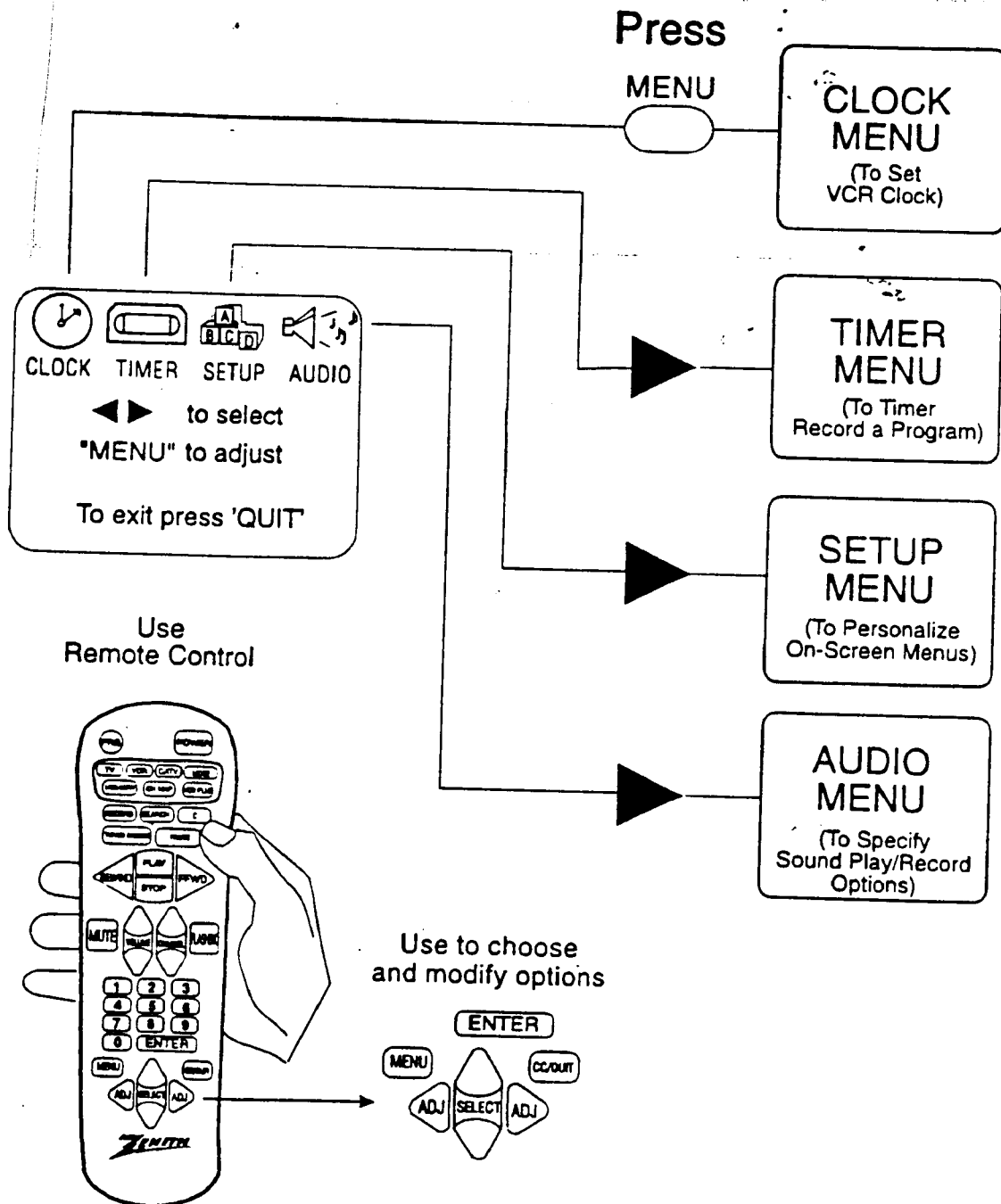
VCR CBL TV — Mode selector keys.

VCR FEATURES SETUP/Step B

Overview: VCR Features On-Screen Menus and Submenus

To set up VCR features see following pages.
Perform steps in order as instructed, 1, 2, 3, etc.,
to set up each feature.

The example below shows how to use Remote Control to access on-screen menus.
Press **MENU** to access on-screen menus.
Use **up/down/left/right** arrows to select and adjust VCR options.



VCR FEATURES SETUP/Step B

Features Setup Requirements

TV and VCR on.

TV tuned to Channel 3 or set up with the TV Audio/Video In Jacks as the source of the TV picture.

TV/VCR Switch on remote control set at VCR.

(VCR symbol appears in VCR Message Center window.)

Features Setup Requirements with a Cable Box.

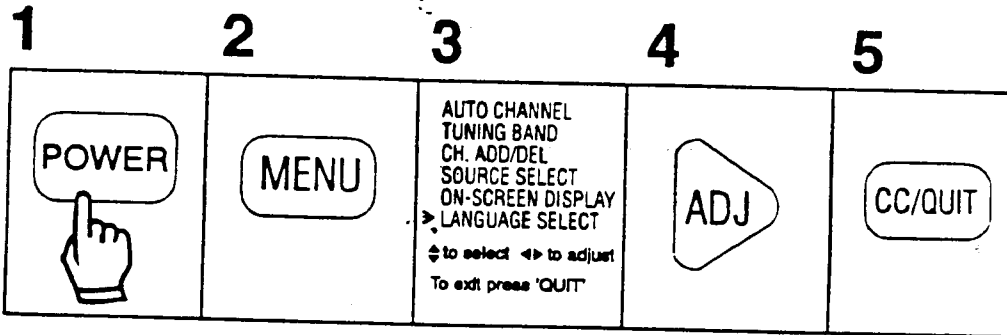
TV, VCR and Cable Box On.

TV tuned to Channel 3 or set up with the TV Audio Video In jacks as the source of the TV picture. VCR tuned to Cable Box output channel number 2, 3, 4, 5 or 6.

TV/VCR Switch on remote control set at VCR.

(VCR symbol appears in VCR Message Center window.)

(Optional Language Select) Specifying Spanish for On-Screen Menus



Step 1. Turn VCR on.

Step 2. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **SETUP**, press **MENU**.

Step 3. Press **SELECT** down arrow repeatedly to choose **LANGUAGE SELECT**.

Step 4. Press **ADJUST** Left/Right to choose Spanish.

Step 5. Press **QUIT** when finished.

To Select English Menus

Step 1. Turn VCR on.

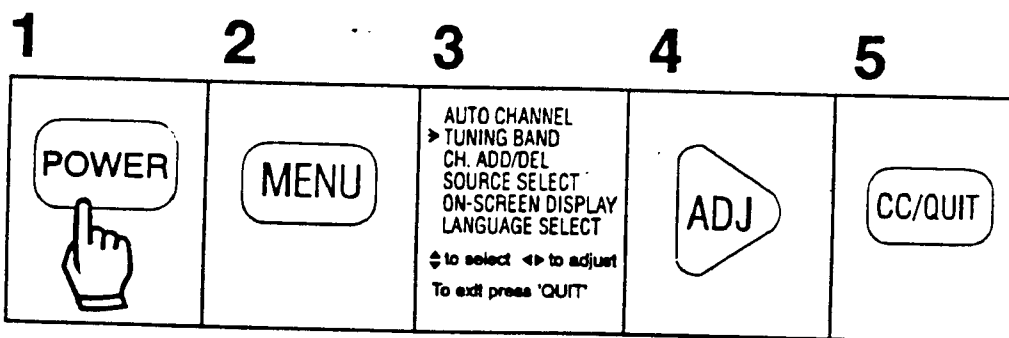
Step 2. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **PRE**, press **MENU**.

Step 3. Press **SELECT** down arrow repeatedly to choose **IDIOMA**.

Step 4. Press **ADJUST** Left/Right to choose **INGLÉS**.

Step 5. Press **QUIT** when finished.

Specifying Tuning Band --- TV or CATV



Step 1. Turn VCR on.

Step 2. Press **MENU**. Press **ADJUST** Left/Right repeatedly to select **SETUP**, press **MENU**.

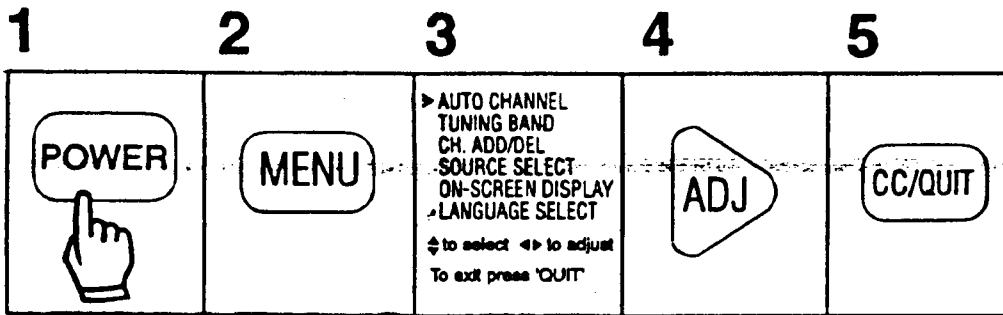
Step 3. Use **SELECT** Up/Down arrows to choose **TUNING BAND**.

Step 4. Use **ADJUST** Left/Right arrows to choose **TV**, for an antenna, or **CATV** if you subscribe to cable service.

Step 5. Press **QUIT** when finished.

VCR FEATURES SETUP/Step B

Using Auto Channel (Search), VCR saves available channels in memory



Step 1. Turn VCR on.

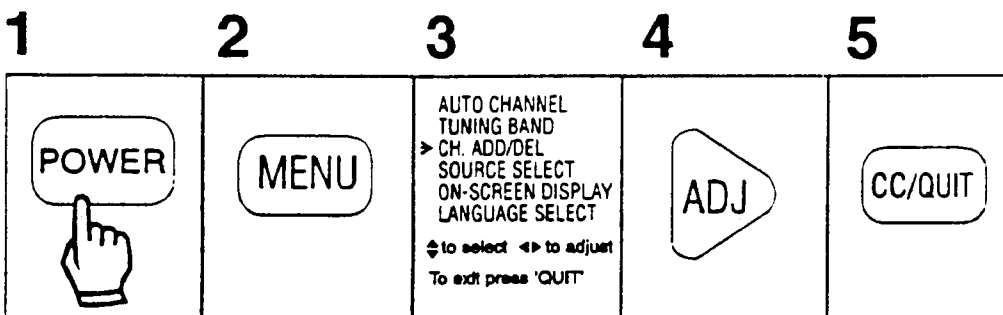
Step 2. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **SETUP**, press **MENU**.

Step 3. Use **SELECT** Up/Down arrows to choose **AUTO CHANNEL**.

Step 4. Press **ADJUST** to begin search.

Step 5. Press **QUIT** when search is finished.

(Optional) Using Channel Scan Add or Delete Procedure



Step 1. Turn VCR on.

Step 2. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **SETUP**, press **MENU**.

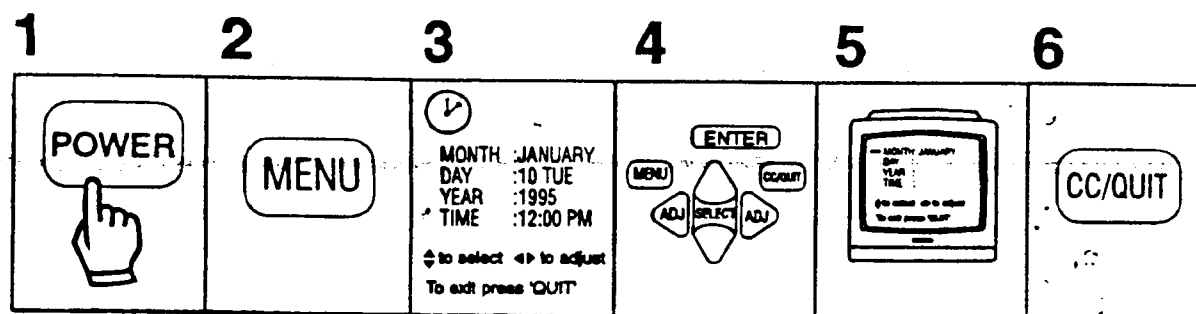
Step 3. Press **SELECT** Up/Down arrows to choose **CH ADD/DEL**.

Step 4. Use numbered keys to choose channels and **ADJUST** Left/Right to choose **ADD** or **DEL**.

Step 5. Press **QUIT** when finished.

VCR FEATURES SETUP/Step B

Setting The VCR Clock



Use to choose
and modify options

Step 1. Turn VCR on.

Step 2. Press **MENU**.

Step 3. Press **MENU**.

Step 4-5. Use **SELECT** Up/Down arrows and **ADJUST** Left/Right arrows to choose and specify current time. For example: Use **SELECT** Up/Down arrows to choose MONTH position, use **ADJUST**

Left/Right arrows to choose current month, **JANUARY**, **FEBRUARY**, **MARCH** etc. Use **SELECT** Up/Down arrows to choose **DAY** position, use **ADJUST** Left/Right arrows to choose current date. Use **SELECT** Up/Down arrows to choose TIME position. Use numbered keys or **ADJUST** Left/Right to choose current time and AM or PM as appropriate. etc.

Step 6. Press **QUIT** when finished.

Note: This VCR can automatically adjust the clock for Daylight Savings Time.

Setting Other Menu Options

Use the following method to choose and specify on-screen menu options for your particular VCR.

Step 1. Turn VCR on.

Step 2. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose desired on-screen option from the **CLOCK**, **TIMER**, **SETUP** or **AUDIO** menus. Use **SELECT** and **ADJUST** keys to modify desired options.

Step 3. Press **QUIT** when finished.

All features listed below may not be available on your VCR. Check the VCR Features listed for your particular VCR.

See **ADDITIONAL INFORMATION** for descriptions of the following features.

On-Screen Display

—On/Off

Special Menu

—Auto Daylight Savings (On/Off Adjustment)

—Auto Clock Set (On/Off Adjustment)

(For this option only, press **MENU** to show Main Menu. Press **4567** to access Special Menu.

Press **QUIT** when finished.)

Audio Record Mode

—Stereo/Monaural/2nd Audio

Audio Playback Mode

—Hi-Fi/Normal

Aux Channel

—Using Accessory Components

Source Select

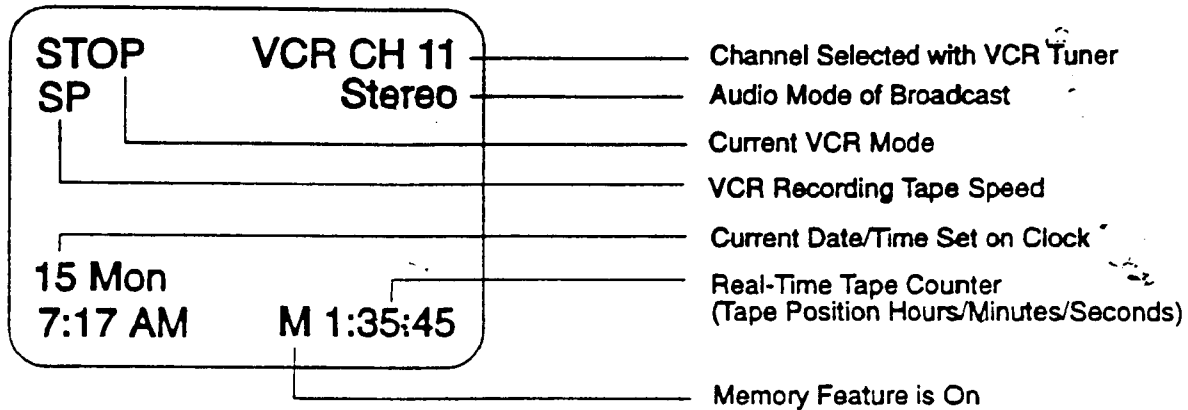
—Tuner/Aux

VCR/TV DISPLAYS

Your VCR is controlled by both the remote control and the buttons on the VCR. Some VCR functions can be initiated by both units, but mostly the remote control must be used.

Notes: For all operations both the VCR and TV power should be ON. To control the VCR, the remote control should be in VCR mode.

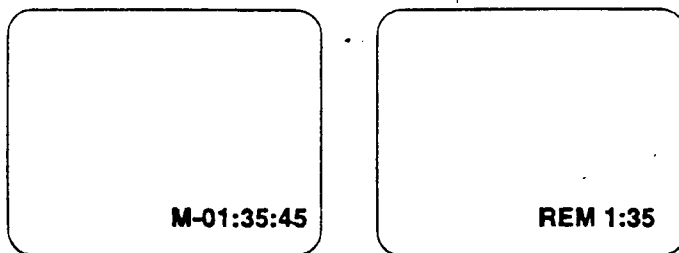
VCR On-Screen Display



The VCR On-Screen Display appears on the TV screen when a VCR function starts, like changing a channel or selecting a different VCR mode. For example, pressing **STOP** while VCR is in **PLAY** mode.

Press **ENTER** to show VCR On-Screen Display on TV screen.

Press **ENTER** again to leave Real-Time Tape Counter position display on TV screen.



Press **ENTER** a third time to leave Tape Time Remaining display on TV screen. (REM indicates the time left on the video tape in the VCR—1:35 means one hour and thirty-five minutes are left on the video tape.)

Press **ENTER** repeatedly to remove all displays.

Note:

If the VCR On-Screen Display does not appear on your TV screen, do the following:

Step 1. Press **MENU**. Press **ADJUST** repeatedly to choose **SETUP**, press **MENU**.

Step 2. Use **SELECT** Up/Down arrows to choose **ON-SCREEN DISPLAY**.

Step 3. Use **ADJUST** Left/Right arrows to specify **ON**.

Step 4. Press **QUIT**.

VCR MESSAGE CENTER DISPLAYS

VCR Message Center Displays



The current function of the VCR is detailed on the TV screen and in the VCR Message Center/Clock area of the VCR.

Information displayed in the VCR Message Center will depend on the VCR function. If the Clock displays **SET CLOCK** then there has been a power failure, or the power cord has been disconnected.

You may have to reprogram the VCR.

Clock/Message Center - As a VCR function starts, the VCR Message Center displays the function. For example, when you press **REW**, (rewind) the VCR Message Center will read **REWIND** and the VCR On-Screen Display, which appears on the TV screen, will briefly show **RE-WIND**. Clock remains on even while VCR is off.

Setup Messages

SET CLOCK — Press **MENU** follow instructions.

Tuner Messages

HELLO — VCR has been turned on.

ADDED 3 — Channel 3 has been omitted.

DELETED 7 — Channel 7 has been deleted.

CHANNEL _ — VCR tuned to Channel _.

AUX — Equipment connected to VCR
L-AUDIO-R /VIDEO IN is
being played through VCR.

Playback Messages

PLAY — Tape is playing.

AUTO TRACK — VCR is adjusting tracking.

STOP — VCR is in Stop mode.

FFWD — (Fast Forward) Tape is advancing rapidly.

REW — (Rewind) Tape is rewinding rapidly.

FWD SEARCH — Tape is advancing rapidly in Play mode.

REV SEARCH — Tape is reversing rapidly in Play mode.

STILL — Play mode has halted on one frame.

SLOW — Play mode speed has been reduced.

Record Messages

REC AUX — VCR is recording the signal sent by the system component connected to VCR
L-Audio-R/Video In front or rear jacks.

REC CH_ — VCR is recording Channel _.

RECORDING 1 — VCR is recording first Timer Recording assignment.

TAPING DONE — All Timer Recording assignments have been completed.

TIMER SET — VCR is in Timer mode.

INDEX MARK — VCR is marking the start location of a recording.

MONO — VCR is receiving a Mono audio signal.

ST/2nd AUDIO — VCR is receiving Stereo and 2nd Audio monaural audio signals.

STEREO — VCR is receiving a Stereo audio signal.

NO TAPE TAB — Can't record, Cassette Safety Tab is missing. Paste tape over safety tab hole.

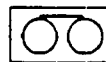
NO CASSETTE — No cassette in VCR.

Tape Transport Messages

EJECT — VCR is ejecting tape.

ERROR — See authorized Zenith dealer.

Operating Indicators

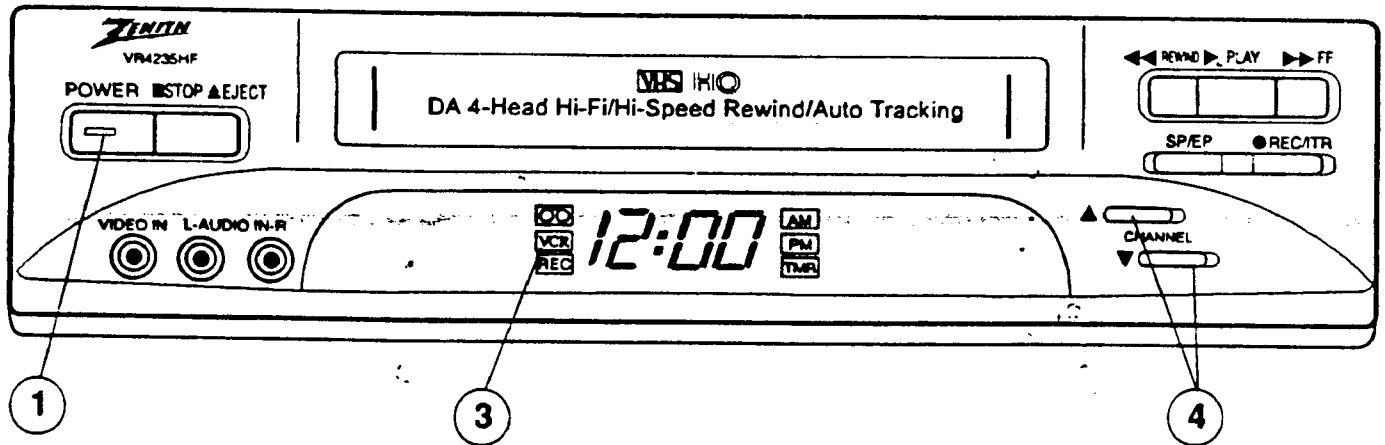


A cassette tape is loaded in the VCR.



VCR functions are active.

WATCHING TV (Antenna In TV Connections)



Note: This setup (Antenna In TV Connections) requires that the TV be tuned to the same channel that the VCR Ch3-4 Switch is set at, either Channel 3 or 4.

There are three tuning options available to you for selecting channels to watch on your TV. You can use the TV tuner, the VCR tuner, or the Cable Box Tuner (if you have a cable box).

TV Tuner

1. Turn TV and VCR on, tune TV to Channel 3.
2. Set Remote to VCR mode.
3. Press **TV/VCR SOURCE** repeatedly to turn off VCR indicator in VCR Message Center.
4. Set Remote to TV mode. Select channels with Remote or TV controls.

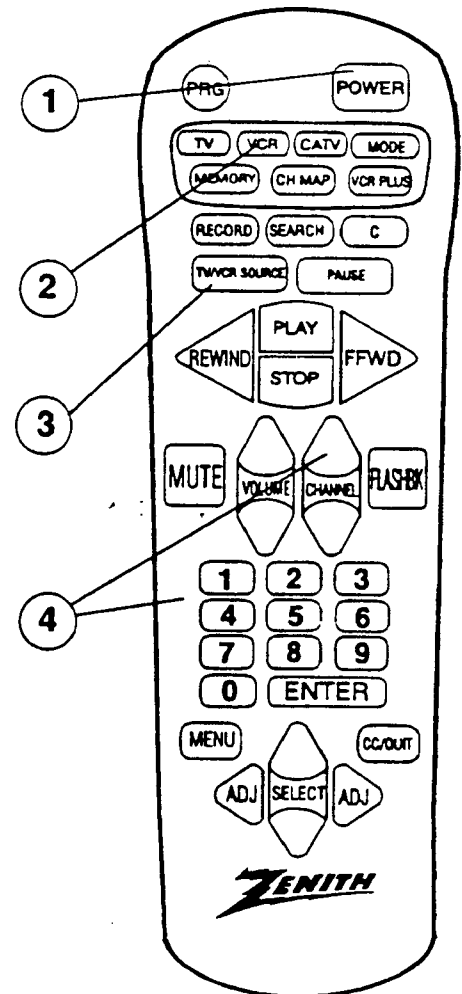
Note: Remote will operate most Zenith TVs.

VCR Tuner

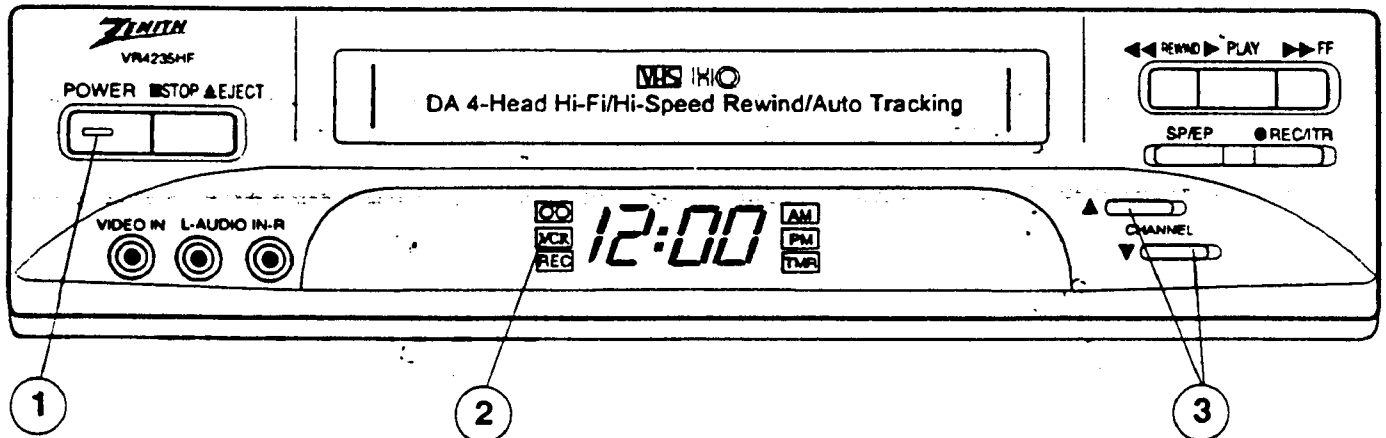
1. Turn TV and VCR on, tune TV to Channel 3.
2. Set Remote to VCR mode.
3. Press **TV/VCR SOURCE** repeatedly until VCR indicator appears in VCR Message Center.
4. Select desired channel with Remote or VCR Channel Up/Down.

Cable Box Tuner

1. Turn TV, VCR and cable box on, tune TV to Channel 3.
2. Set Remote to VCR mode. Tune VCR to cable box output channel number; 2, 3, 4, 5 or 6.
3. Press **TV/VCR SOURCE** repeatedly until VCR indicator appears in VCR Message Center.
4. Tune cable box to desired channel number.



WATCHING TV (Audio/Video In TV Connections)



Note: This setup (Audio/Video In TV Connections) requires that the TV use the Audio/Video In jacks as the source of the TV picture.

There are three tuning options available to you for selecting channels to watch on your stereo TV. You can use the TV Tuner, the VCR Tuner, or the Cable Box Tuner (if you have a cable box). To hear stereo sound from the VCR Tuner or a tape playing in the VCR, use the TV Audio/Video Input as the source for the TV picture.

TV Tuner

Follow instructions on previous page for TV viewing.

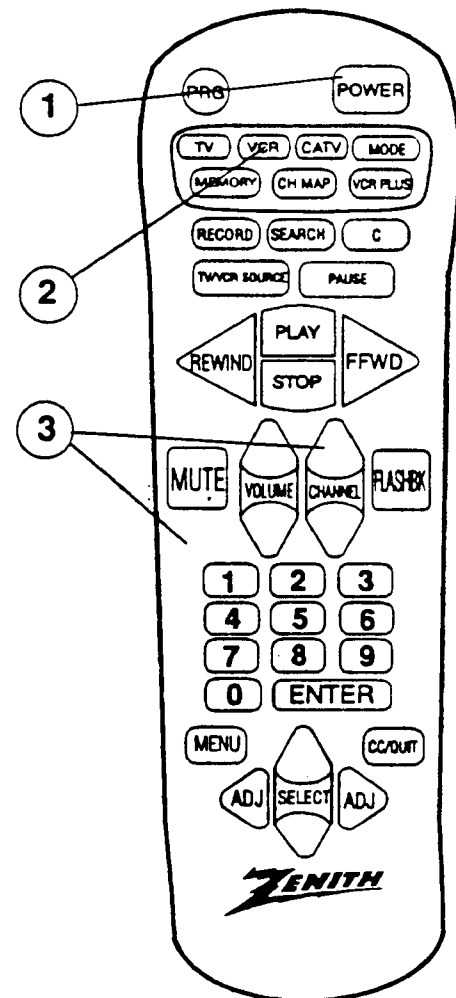
VCR Tuner

(Requires Audio/Video In jacks on TV)

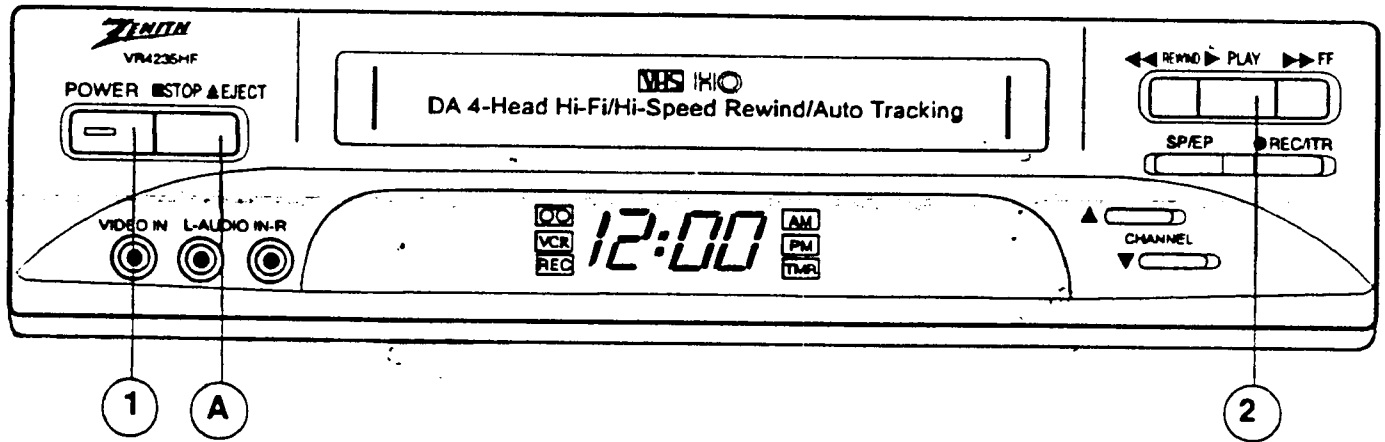
1. Turn TV and VCR on, set TV to Audio/Video Input.
2. Switch Remote to VCR mode.
3. Select desired VCR channel with Remote or VCR Channel Up/Down.

Cable Box Tuner

1. Turn TV, VCR and cable box on, set TV to Audio/Video In Source.
2. Switch Remote to VCR mode. Tune VCR to your cable box output channel number; 2, 3, 4, 5 or 6.
3. Tune cable box to desired channel number.

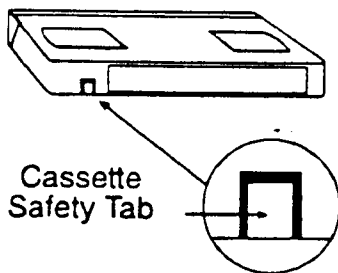


PLAYING TAPES

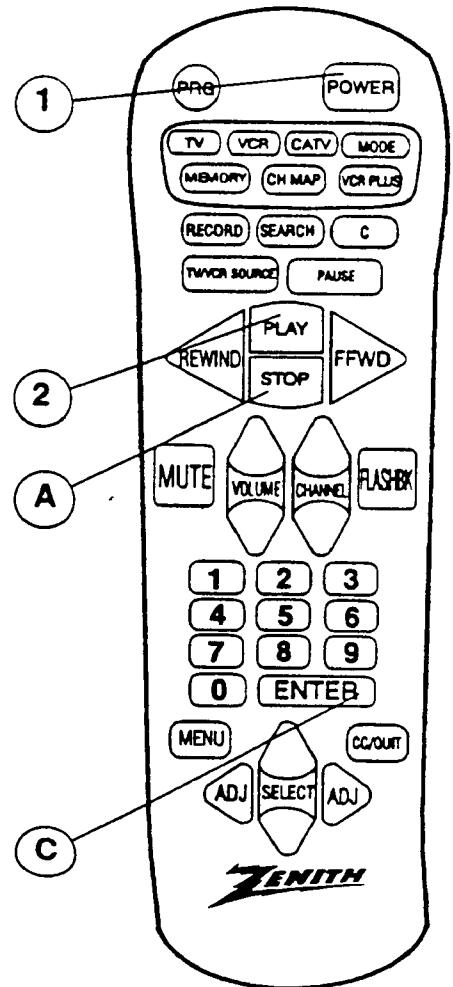


1. Press **POWER** to turn VCR on, or insert a prerecorded VHS cassette tape.
2. Press **PLAY**.

Cassette Length	Cassette Play/Record Times	
	SP (Standard Play)	EP (Extended Play)
T-30	30 Minutes	1 Hour, 30 Minutes
T-60	1 Hour	3 Hours
T-120	2 Hours	6 Hours
T-160	2 Hours, 40 Minutes	8 Hours



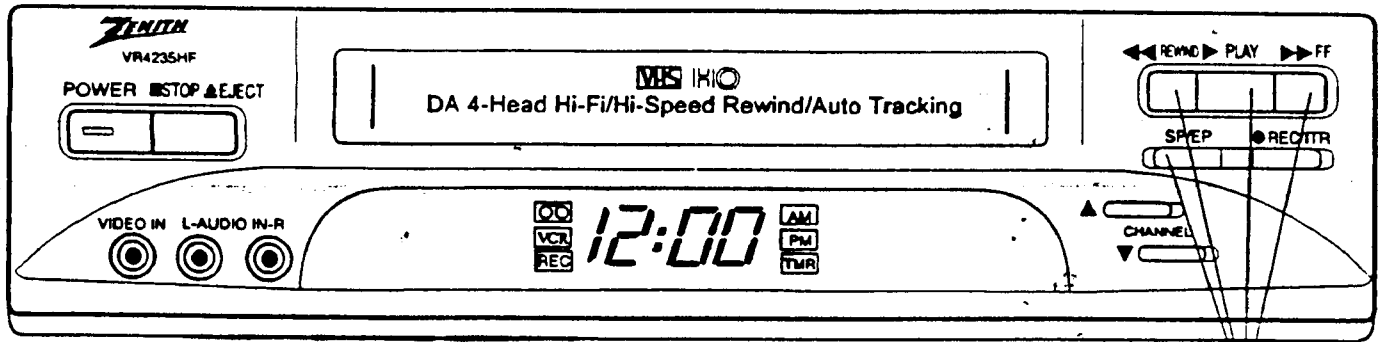
Auto Playback System— If the Cassette Safety Tab has been removed, the VCR will begin to play the tape automatically. (A Rental tape will often have the Safety Tab removed.)



Options

- A. Press **STOP** to stop playing tape.
- B. Press **EJECT** to eject tape.
- C. **Real-Time Tape Counter**
Press **ENTER** two times to leave the Real-Time tape counter display on the TV screen, press **ENTER** repeatedly to remove all displays. (1:35:28 = 1 hour, 35 minutes and 28 seconds). The counter resets to 0:00:00 when you insert a tape or when a tape is rewound to its beginning.

PLAYING TAPES



Use these buttons

Playing Tapes Options

(See Remote Control and Additional Information Sections)

A. Pause/Variable Speed Forward/Reverse Slow Motion Video

(While in Play mode) Press **PAUSE** twice, follow on-screen instructions for slow motion. Press **PLAY** to resume playing tape. To adjust Slow Motion playback speed while in forward or reverse slow motion, press and hold down **FAST FWD** for faster slow motion, press and hold down **REW** for slower slow motion. Press **PLAY** to resume playback.

B. Tape Rewind/Fast Forward

(While in Stop mode) Press and release **REWIND** or **FAST FWD**. Press **STOP** when tape reaches desired location.

C. Reverse/Forward Search

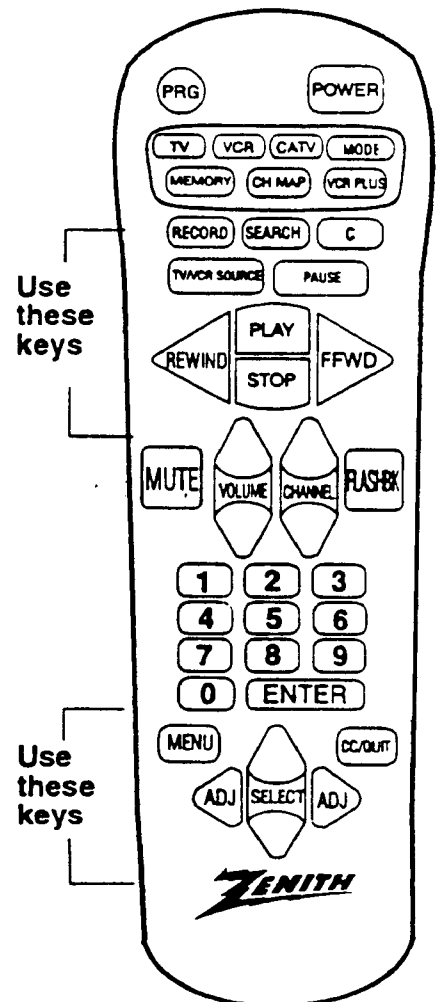
(While in Play mode) Press and release **REWIND** or **FAST FWD**, and hold down **REWIND** or **FAST FWD** for Jet Search. Press **PLAY** to resume playing tape.

D. Tracking Adjustment Auto/Manual

Your Zenith VCR automatically adjusts tracking when you play a tape. If, however, the tape was recorded on a different VCR, streaks (video noise) may appear. While the tape is playing, press and hold down **ADJUST** (Left/Right) to manually adjust the tracking.

E. Index Search

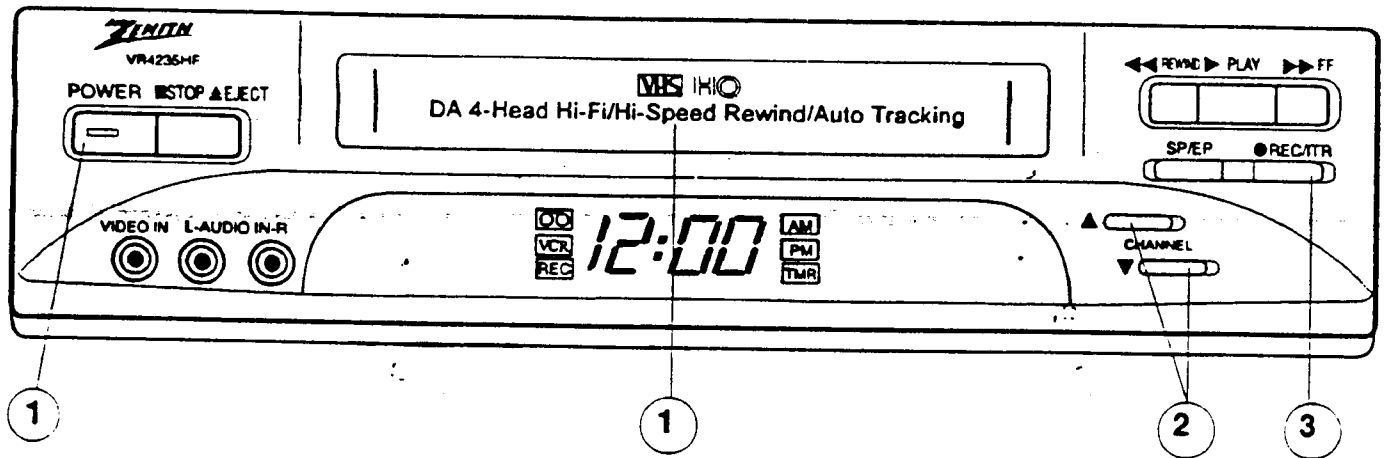
At the start of each recording an Index mark is inserted on the tape. Press **SEARCH**, then the number of the marks (1, 2, 3 etc.) that need to be passed to reach your desired recording start location, then press **FAST FWD** or **REWIND** as appropriate. Or, rewind the tape to the beginning and press the number of marks from the beginning of the tape that will get you to your recording start location, then press **FAST FWD**, the VCR advances the tape to that location and begins playback.



Use these keys

Use these keys

INSTANT RECORDING



Recording What You See on Your TV Screen

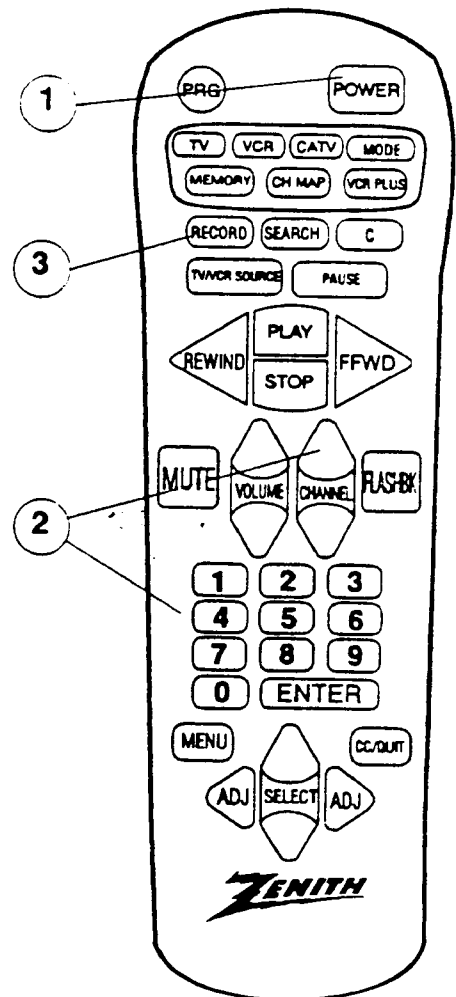
1. Turn TV and VCR on, insert a VHS cassette tape.
2. Tune VCR to channel you wish to record.
3. Press **REC/ITR** or **RECORD**. Recording will continue until end of tape or until you cancel Record. Each press of **REC/ITR** or **RECORD** will increase recording time 30 minutes. Press **SP/EP** to choose recording speed. (See Playing Tapes for Recording/Playing Tapes Times Chart.)

RECORD and REC/ITR Recording Times		
Presses	On-Screen Display	Recording Time
1	12:20 (Current Time)	Until end of tape.
2	0:30	30 Minutes
3	1:00	60 Minutes
4	1:30	1 Hour 30 Minutes
5-10	Etc. until Record time reaches 4:00	4 Hours Maximum

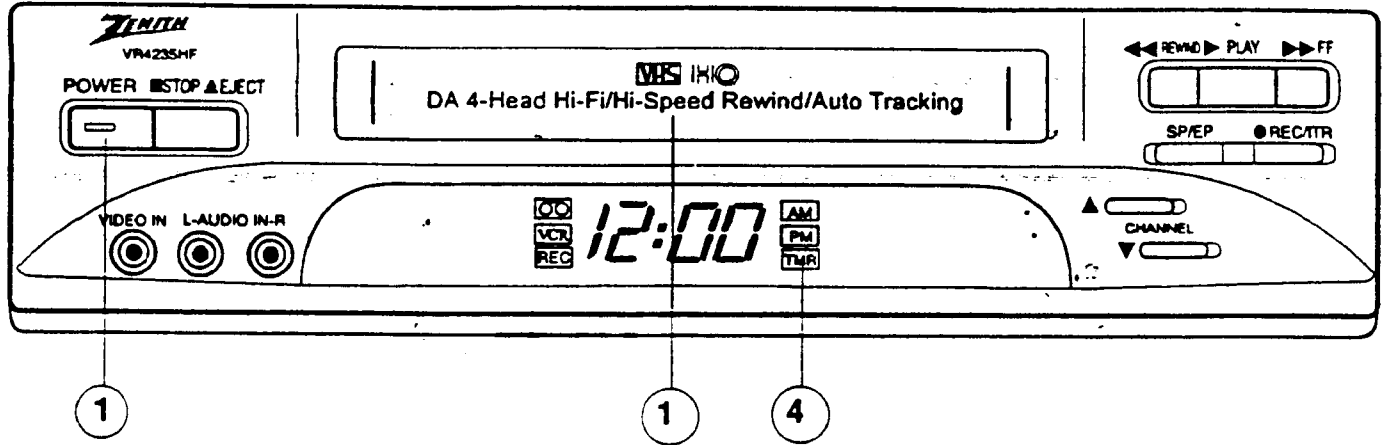
Recording Options

- A. Press **STOP** to stop recording. Press **EJECT** to eject tape.
- B. Press **REWIND** to rewind tape.
- C. Press **PAUSE** to momentarily cease recording.

Note: Pause mode only works with the first press of **RECORD** or **REC/ITR**. Once a recording time is selected, (second and third presses etc. of **RECORD** or **REC/ITR**) pause mode will not be available.

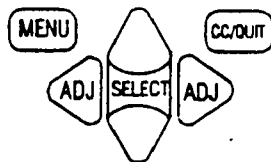
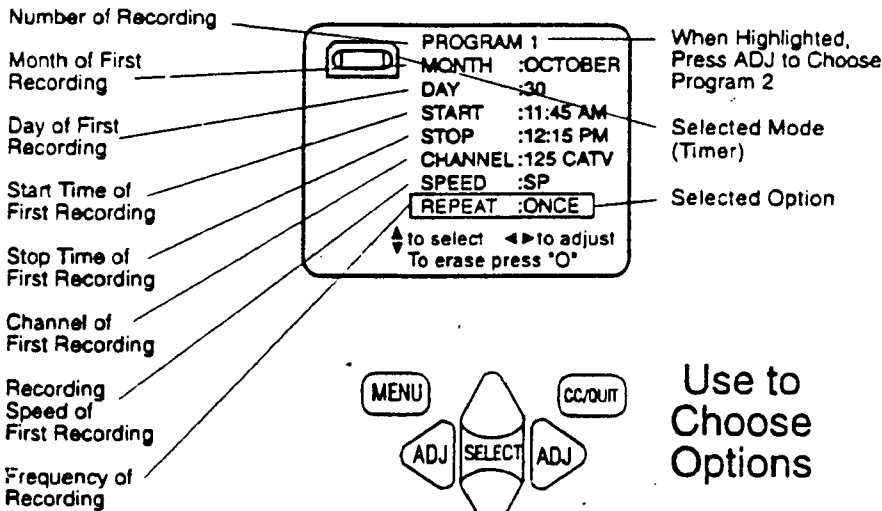


TIMER RECORDING

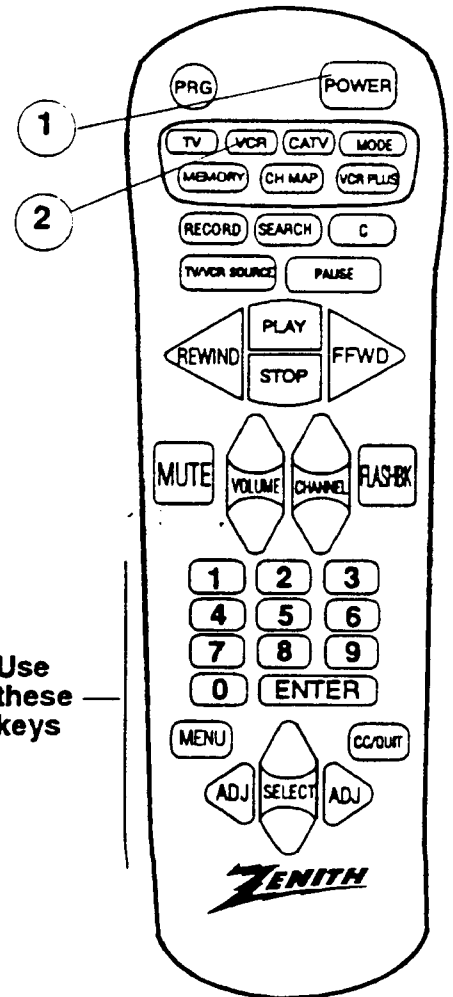


Recording While You Are Away (VCR turned off)

1. TV and VCR on. Insert a VHS cassette tape.
2. Set Remote to VCR mode.
3. Press **MENU**, use **ADJUST** Left/Right to select **TIMER**, press **MENU**. Enter information for programs 1, 2, 3, etc.



Use to Choose Options



4. Press **QUIT** when finished, press **POWER** to turn VCR off and set VCR into Timer Recording mode.

Note: While VCR is operating in **Timer** mode it cannot be operated manually. If needed, press **POWER** to release VCR from **Timer** mode.

Timer Recording Options

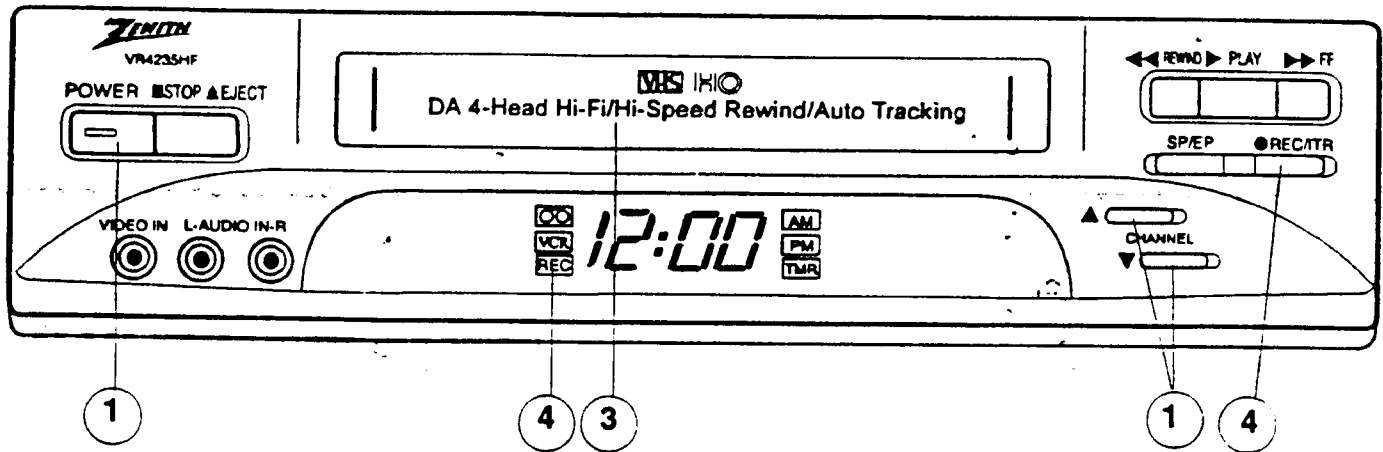
Once— will record a broadcast one time.

Weekly— will record a broadcast one time each week.

Daily— will record a broadcast, one time each day, Monday through Friday.

Capability — Timer can be programmed to record eight different events.

INSTANT RECORDING WITH A CABLE BOX



Recording Programs with a Cable Box (VCR turned on)

1. TV on, VCR on, tune VCR to cable/converter box output channel; 2, 3, 4, 5 or 6.
2. Cable/converter box on, tune to channel you wish to record and leave on.
3. Insert a VHS cassette tape.
4. Press and hold **REC-ITR** or **RECORD** until **RECORD** appears in VCR Message Center. Recording will continue until end of tape or until you cancel Record mode. Press **REC-ITR** or **RECORD** repeatedly to specify additional recording time. Each press of **REC/ITR** or **RECORD** will increase recording time 30 minutes. (See Instant Recording.)

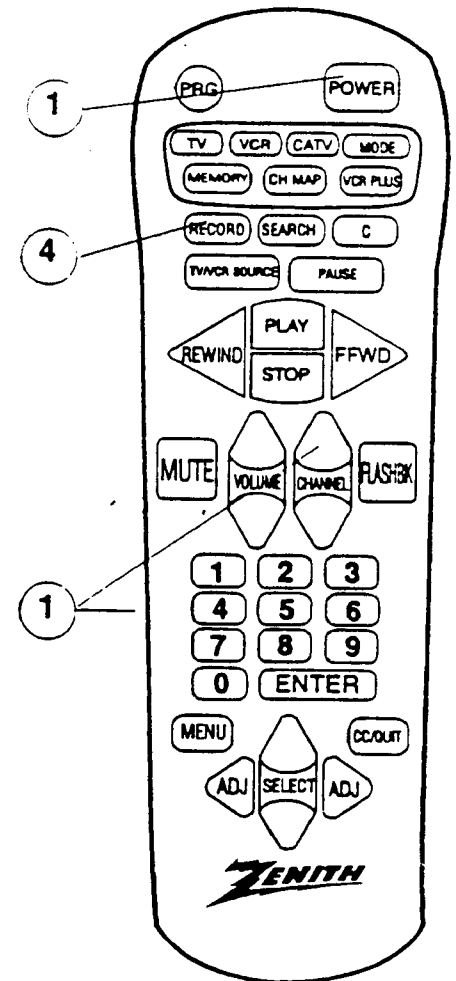
Note: Recording Speed will be SP, press **SP/EP** to select EP, Extended Play. (See Play/Record Times Chart page 7-1.)

Options

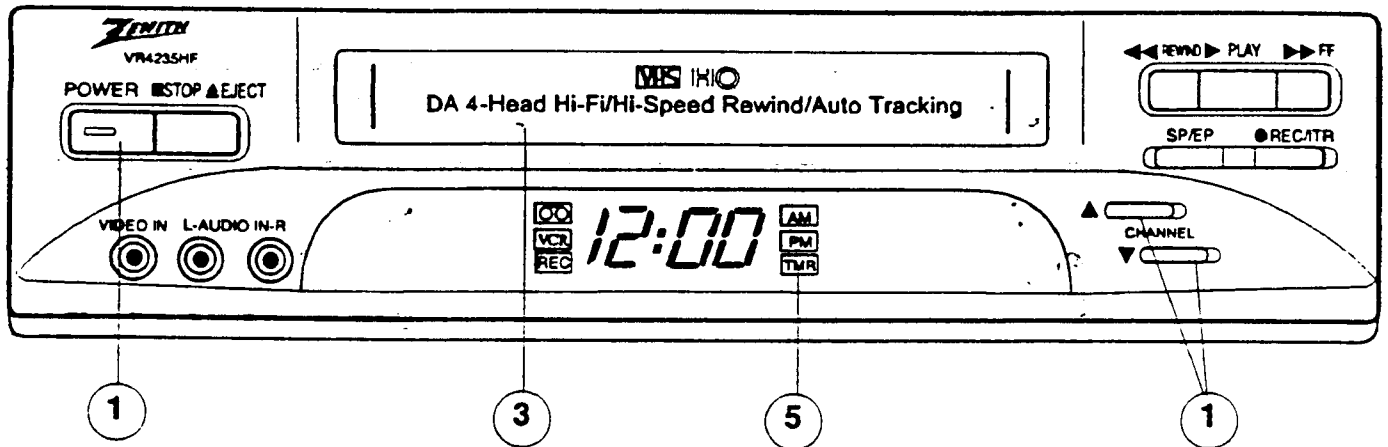
- A. Press **STOP** to stop recording. Press **EJECT** to eject tape.
- B. Press **REW** or **REWIND** to rewind tape.
- C. Press **PAUSE** to momentarily cease recording.
Note: Pause mode only works for the first press of **RECORD** or **REC/ITR**. Once a recording time is selected, (second and third presses etc., of **RECORD** or **REC/ITR**) pause mode will not be available.

Recording/Viewing Options

You can only watch what you are recording. Contact your cable company for their viewing-while-recording options.



TIMER RECORDING WITH A CABLE BOX



Timer Recording Cable Programming (VCR turned off)

1. TV on, VCR on, tune VCR to cable/converter box output channel; 2, 3, 4, 5 or 6.
2. Cable/converter box on, tune to channel you wish to record and leave on.
3. Insert a VHS cassette tape.
4. Press **MENU**, select **TIMER**, enter information for programs 1, 2, etc.
5. Press **QUIT** when finished. Press **POWER** to turn VCR off and set VCR into Timer Recording mode. (See Timer Recording.)

Note: While VCR is operating in Timer mode it cannot be operated manually. If needed, press **POWER** to release VCR from Timer mode.

Recording/Viewing Options

You can only watch what you are recording. Contact your cable company for their viewing one channel, while recording a different channel options.

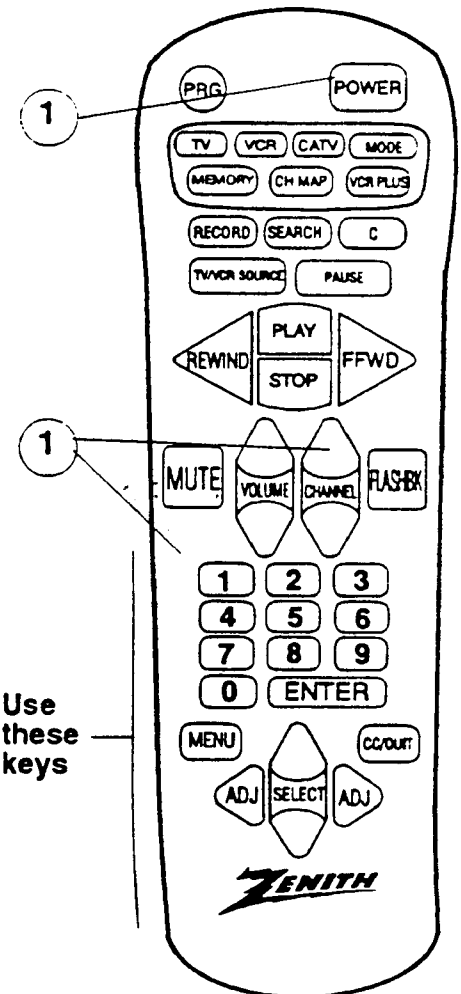
Timer Recording Options

Once— will record a broadcast one time.

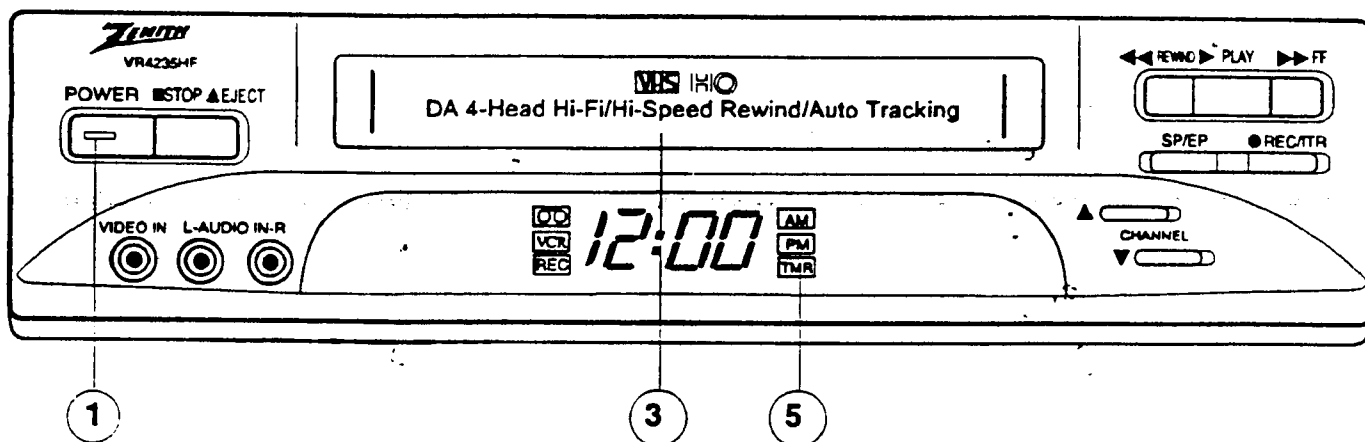
Weekly— will record a broadcast one time each week.

Daily— will record a broadcast, one time each day, Monday through Friday.

Capability — Timer can be programmed to record eight different events.



VCR PLUS RECORDING VR4185 (Cable Box Control)



Recording VCR Plus Coded Programs (VCR turned off)

1. TV, VCR and cable box on.
2. Set Remote to VCR mode.
3. Insert a VHS cassette tape.
4. Press **VCR PLUS**, follow on-screen instructions. Enter PlusCode from local TV program guide.
5. Press **QUIT** when finished. Press **POWER** to turn VCR off until recording time.

Notes: The VCR Plus Setup beginning on page 12-1 must be completed before you can record using the VCR Plus feature.

While VCR is operating in Timer Recording mode it cannot be operated manually. If needed, press **POWER** to release VCR from Timer Recording mode.

Timer Recording Options

Once— will record a broadcast one time.

Weekly— will record a broadcast one time each week.

Daily— will record a broadcast, one time each day, Monday through Friday.

Capability — Timer can be programmed to record eight different events.

To find out which publications in your area carry the

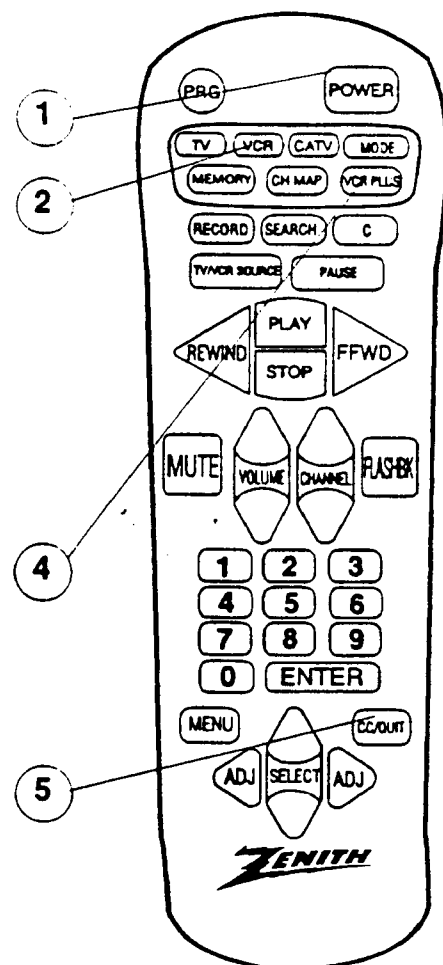
PlusCode™ numbers, please call 1-800-2584-827.

VCR Plus+ and PlusCode are trademarks of Gemstar Development Corp.

VCR Plus+ system is manufactured under license from Gemstar Development Corp.

VCR Plus+ et PlusCode sont des marques de Gemstar Development Corp.

Le système VCR Plus+ est fabriqué sous licence de Gemstar Development Corporation.



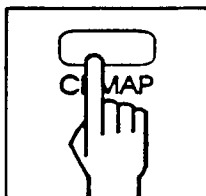
VCR PLUS SETUP

Preliminary Setup, Outside Antenna

- Clock must be set to correct time.
- Source Select must be set to Tuner.
- Tuning Band must be set to TV.
- VCR, and TV must be turned On.
- TV/VCR set to VCR (VCR appears in Message Center.)
- TV on and tuned to Channel 3, or TV Audio/Video In as the source of the TV picture, as appropriate.

1. Complete Channel Mapping Worksheet.
See page 12-4

2. Press **CH MAP** to begin VCR Plus Setup, follow on-screen instructions.

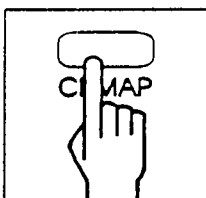


Preliminary Setup, Cable Service without a Cable Box

- Clock must be set to correct time.
- Source Select must be set to Tuner.
- Tuning Band must be set to CATV.
- VCR, and TV must be turned On.
- TV/VCR set to VCR (VCR appears in Message Center.)
- TV on and tuned to Channel 3, or TV Audio/Video In as the source of the TV picture, as appropriate.

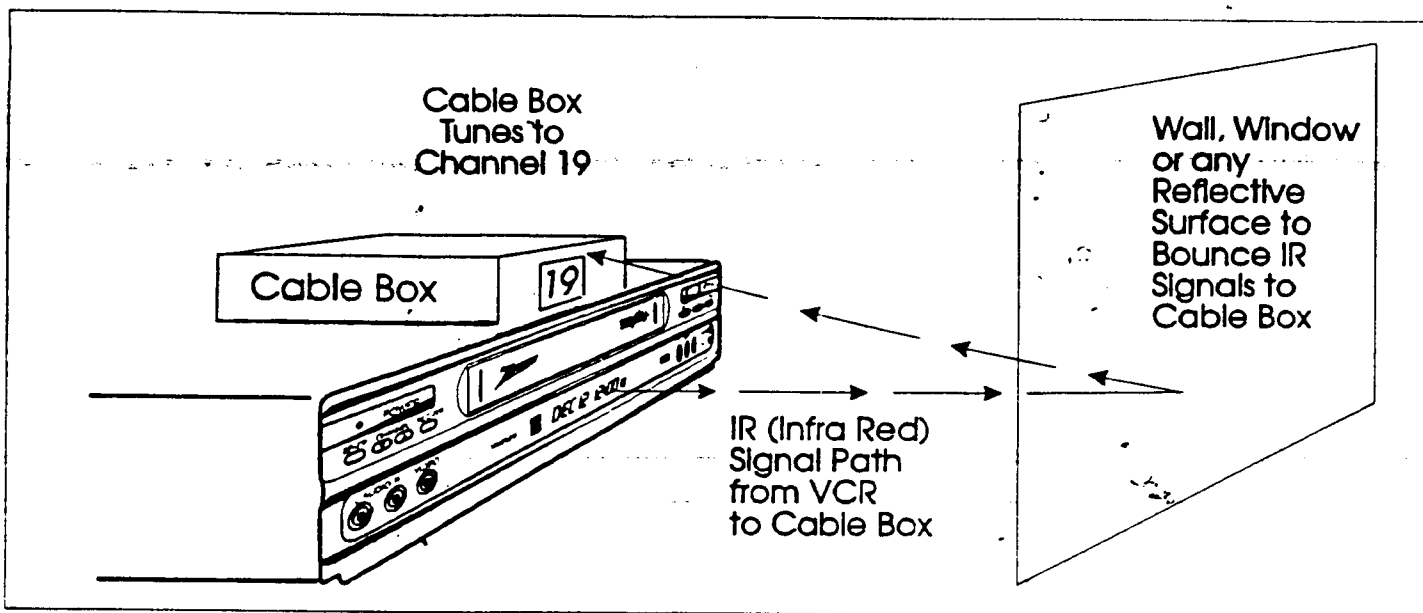
1. Complete Channel Mapping Worksheet.
See page 12-4

2. Press **CH MAP** to begin VCR Plus Setup, follow on-screen instructions.



VCR PLUS SETUP

Preliminary Setup, Cable Service with a Cable Box



- Clock must be set to correct time.
- Source Select must be set to Tuner.
- Tuning Band must be set to CATV.
- VCR, cable box and TV must be turned On.
- TV/VCR set to VCR (VCR appears in Message Center.)
- TV on and tuned to Channel 3, or TV Audio/Video In as the source of the TV picture, as appropriate.
- VCR tuned to cable box output channel number: 2, 3, 4, 5 or 6.
- Cable box must be connected to VCR ANT IN (IN FROM ANT).
- IR (Infra Red) Signal path from the VCR to the cable box must be unobstructed.

Write In:

Cable Box Output Channel Number

“MFR” Number(s)

1. For the Cable Box Test

Get the following information and enter in appropriate spaces below.

Cable Box Output Channel Number.

May be printed in cable box owner's manual or on cable box. If not, call cable company for number; 2, 3, 4, 5 or 6.

“MFR” Number.

A series of numbers for your particular cable box. If the first number does not work, try all the others in sequence. See page 12-3.

2. Complete VCR Plus Channel Mapping Worksheet.

See page 12-4

Press **CH MAP** to begin VCR Plus Setup, follow on-screen instructions.

If cable box test is successful, the cable box will tune to Channel 19 as shown above.



VCR PLUS SETUP

MFR Numbers List

Archer	:1, 29, 42, 44, 76	Recoton	:44
Cabletenna	:29	Regal	:14, 23, 41
Cableview	:42, 44, 63	Regency	:28
Century	:44	Rembrandt	:29, 32, 42, 44, 60
Citizen	:30, 42, 44, 52	SL Marx	:4, 6, 42, 78
Curtis	:8, 9, 56, 61	Salora	:68, 72
Diamond	:29, 44, 76	Samsung	:4, 6, 32, 42, 78
Drake	:37, 67, 71	Scientific Atlanta	:8, 9, 56, 61
Eagle	:13, 20, 21, 22, 23, 25, 58, 62	Sheritech	:27
Eastern	:28	Signal	:26
General Electric	:57	Sprucer	:6, 16, 17
General Instruments	:1, 2, 3, 4, 34, 55, 75, 83	Stargate	:4, 6, 42, 44, 78
GC Electronics	:42, 44, 63	Starquest	:6
Gemini	:4, 30	Sylvania	:19
Gerrard	:44	Teknika	:54, 74
Hamlin	:14, 15, 28, 41	Telecaption	:77
Hitachi	:31, 79, 80	Televue	:4, 6, 40, 42, 78
Jerrold	:1, 2, 3, 4, 34, 55, 75, 83	Texscan	:18, 19
Jerrold Starcom	:1, 3, 4, 55	Tocom	:1, 33, 34, 42, 48, 49, 73
Macom	:31, 79, 80	Toshiba	:36, 66, 70
Maganavox	:13, 20, 21, 22, 23, 25, 26	Uniden Satellite	:65, 69
Matsushita	:16	Unika	:29, 42, 44, 76
Movietime	:32, 38, 39, 40, 60	Universal	:42, 43, 44, 52, 63, 82
NSC	:32, 38, 39, 40	Videoway	:7, 45, 50, 59
Oak/Oak Sigma	:10, 11, 12, 13, 46, 47	Vid Tech	:64
Panasonic	:6, 16, 17	Vidter	:64
Philips	:13, 20, 21, 23, 24	Viewstar	:13, 20, 21, 22, 23, 25, 40, 58, 62
Pioneer	:5, 6, 78	Zenith	:7, 23, 45, 50, 59
Pulser	:42, 44		
Quest	:78		
RCA	:6, 16, 17		
Realistic	:44, 51, 53		

All other cable/converter boxes use: 99

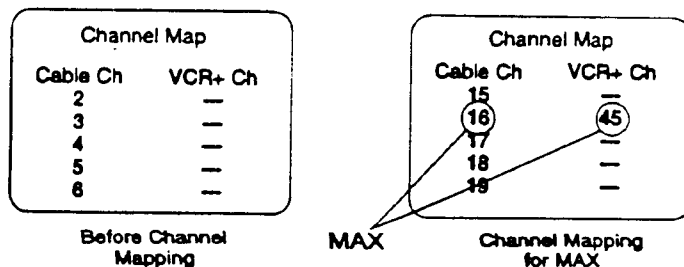
New MFR Numbers

The **MFR Number List** is a current listing of all available MFR numbers to date. If your cable/converter box does not tune to **Channel 19**, perhaps a newly created MFR number will work, that has not yet been published. In this case, try entering all MFR numbers starting with number **1** and continue through MFR number **83**, to see if the cable box will tune to **Channel 19**, and leave **Channel 19** remain selected.

Note:

If the system test is not successful, enter 99 as the MFR number. If the system test is not successful,

Channel Mapping Example



then the VCR cannot control the cable box functions. You will have to turn on the cable box and tune the channels manually for each recording. (Ch Review is not available with MFR No. 99.)

VCR Plus Channel Mapping Worksheet

Cable Company Assigned, and VCR Plus+ TV Channel Numbers for Your Local Broadcast Area

On the worksheet below, write in (with a pencil) each channel number that you receive these network's programming over. Write in the channel number. When Channel Mapping the VCR for your local broadcast area, you would enter the VCR Plus+ channel number on the same line that corresponds to the channel number you receive

these programs over. In the example shown on the previous page, a cable subscriber receives MAX on Channel 16. So, when channel mapping, the subscriber would enter 45 (for MAX) under the VCR Plus+ Ch column on the same line as Channel 16, as shown. Use your cable company's TV guide for reference.

In this column, write in the channel numbers you receive these networks on.	VCR Plus+ Channel Numbers
Over-the-Air Broadcast TV Channels VHF/UHF	
CBS	
NBC	
ABC	
PBS	
PBS	
Cable Network TV Channels CATV	
A & E	39
AMC	35
BRAV	54
CNBC	19
CNN	42
COM	21
C-SPAN (SATELITE)	
DIS	53
DISC	37
ENC	70
ESPN	34
FAM	47
HBO	33
LIFE	46

In this column, write in the channel numbers you receive these networks on.	VCR Plus+ Channel Numbers
Cable Network TV Channels CATV Continued	
MAX	45
MTV	48
NICK	38
SHOW	41
SC	59
TBS	43
TLC	51
TMC	58
TNN	49
TNT	52
USA	44
VH-1	62
WWOR	60

Note: Some of the VCR Plus+ numbers may vary in your particular broadcast area. Consult your TV guide; make any necessary additions or deletions.

ADDITIONAL INFORMATION

Index Search (Use to access each recorded segment's beginning)

Each time a recording starts, the VCR marks that location with an index mark; Index 1, Index 2, Index 3, etc. These locations can then be accessed by using the Search mode. (From the Stop or Play mode,) press **SEARCH** to begin Index Search mode.

For example, rewind the tape to the beginning. Press **SEARCH**. To advance the tape to Index location three, follow on-screen instructions, then press 3. The tape will move to recording start Index location 3 and start playback. Note: This feature only works with tapes recorded on this VCR.

Real-Time Tape Counter

The Real-Time Tape Counter will only count recorded segments on VHS cassette tapes. If the on-screen tape counter stops at a location while the tape is moving, then the recorded segments have ended and blank segments are being passed over at that location on the tape; the Real-Time Tape

Counter will not count the blank (unrecorded) segments of a tape.

MEMORY— Press while a tape is being played or recorded, to zero the Real-time tape counter. If you activate the Counter Memory feature, the VCR will automatically stop at the **M 0:00:00** position when the tape is rewound.

Special Menu

—**AUTO CLOCK SET** On/Off Adjustment
—**AUTO DAYLIGHT SAVINGS** On/Off Adjustment

Step 1. Press **MENU** to place VCR Main Menu on TV screen.

Step 2. Press **4567** to access the Special Menu.

Use **SELECT** and **ADJUST** keys to choose and specify:

Auto Clock Set— VCR will automatically set the clock.

Auto Daylight Set— VCR will automatically adjust the VCR clock for Daylight savings time.

Press **QUIT** when finished.

Audio Record Mode

Step 1. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **AUDIO**, press **MENU**.

Step 2. Use **SELECT** Up/Down to specify **AUDIO RECORD MODE**.

Step 3. Use **ADJUST** Left/Right arrows to specify:—**STEREO**, **MONO** or **2ND AUDIO**.

Stereo— Records sound from the left and right sound tracks as supplied by the program source.

Mono (Monaural)— Records Monaural sound only.

2nd Audio— Records the 2nd Audio sound track, if available.

Audio Playback Mode

Step 1. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **AUDIO**, press **MENU**.

Step 2. Use **SELECT** Up/Down to specify **AUDIO PLAYBACK MODE**.

Step 3. Use **ADJUST** Left/Right arrows to specify:—**Hi-Fi**, or **Normal**.

Hi-Fi— Sound will be heard in Stereo, if available.

Normal— Sound will be heard in Monaural, whether Audio source is Stereo, Monaural or 2nd Audio.

Notes: Broadcast programs can be heard in Stereo as supplied by the broadcast signal to the TV Tuner. However, to hear Stereo sound from the VCR Tuner or during tape playback, you must use the VCR **AUDIO/VIDEO** Out jacks as the source. The TV, or sound source, must be set up to use (as the picture and sound source) the TV **Audio/Video** In jacks. Only the VCR **Audio/Video** Out jacks provide Stereo output for a tape playing in the VCR.

ADDITIONAL INFORMATION

AUX Channel (Use to Play or Record from Accessory System Components)

(Connected to the VCR Audio/Video In Jacks)

Step 1. Press **MENU**. Press **ADJUST** Left/Right repeatedly to choose **SETUP**, press **MENU**.

Step 2. Use **SELECT** Up/Down to choose **SOURCE SELECT**.

Step 3. Use **ADJUST** Left/Right to specify **AUX**.

Note: When finished with the AUX channel, use the method described above to choose **TUNER**.

AUX Channel Direct Access

Another method of choosing the AUX channel is to use **CHANNEL** Up/Down to choose the AUX

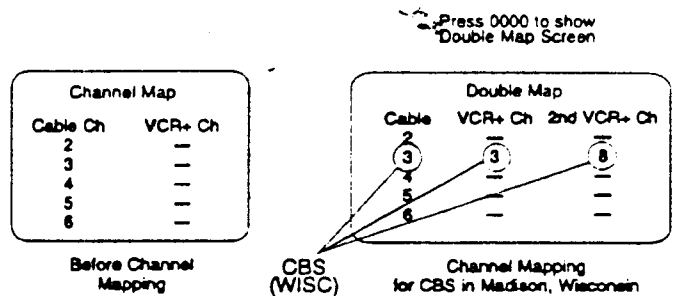
Channel, which is the lowest/highest number in the channel scan. This sets up the VCR to receive the signal from the system component (Video Disk Player, Hi-Fi Stereo, TV, Video Camera, Camcorder another VCR etc.,) connected to the VCR **AUDIO/VIDEO IN** connection jacks. When you wish to return to normal VCR operation, simply use **CHANNEL** up/down to choose a different channel.

Double Channel Mapping VR4185

In a few parts of the country, some VCR Plus+ users will need to channel map two VCR Plus+ Channel numbers to one TV Channel Number. If two VCR Plus+ Channel numbers are printed in your TV Guide for one TV Channel number, you must channel map these two numbers in order for the VCR Pluscode to be interpreted by the VCR. Write these two numbers on the Channel Mapping Worksheet.

When Channel mapping, press 0000 to show the double channel mapping screen on the TV.

For further information on this special condition, call the Gemstar company at 1-800-4321-VCR.



SERVICE INFORMATION

Before Calling for Service

Following are some common problems associated with operating a VCR. Please refer to the following Problem/Resolution Chart before calling for service. Many problems are created when the wrong key is pressed on the remote control. As a prelude to solving any VCR problem, turn TV, VCR and (if you have one) Cable Box on. Tune VCR to cable box output channel; 2, 3, 4, 5, 6, 7, 8 or 9. Tune Cable Box to desired channel. As necessary, select appropriate INPUT for the TV to receive the VCR signal, Channel 3 if you connected to the TV Antenna In. TV/VCR set at VCR, so VCR appears in Message Center.—or TV Audio/Video Input, if you made Audio/Video connections to the TV. Tune TV to Audio/Video In as the source for the TV picture.

Problem/Resolution Chart

Operating Problems		
Observed Condition	Possible Cause	Probable Solution
VCR does not respond to remote control keys or VCR buttons.	VCR software "lock-up" problem.	Disconnect power cord for 5 minutes, reprogram VCR if necessary.
No power to the VCR.	Power cord not connected.	Connect power cord.
Remote control does not function.	Batteries are weak.	Replace with new batteries.
No picture appears on TV screen.	Input on TV, not set to Audio/Video In, or TV not tuned to Channel 3. TV/VCR set to TV.	Set INPUT source on TV to Audio/Video In, or tune TV to Channel 3, as appropriate. Set TV/VCR to VCR, so VCR appears in Message Center.

Playing Tapes (Playback) Problems		
Tape will not fast forward or rewind	Tape is fully rewound or fast forwarded.	No action required.
VCR operating sound is audible during operation.	Note: This is normal operating sound from internal mechanisms.	No action required.
Tape playing in VCR does not appear on TV screen.	TV input set to source other than VCR.	Set Input on TV to Audio/Video In or tune TV to Channel 3 as appropriate.
	TV/VCR set to TV.	Set TV/VCR to VCR, so VCR appears in Message Center.
Video "Noise" (horizontal streaks) appear during normal tape playing.	Tape is a rental or recorded on another VCR.	Use ADJUST Left/Right arrows to manually adjust tracking.
	Tape heads are dirty.	Clean Video heads.

Cable Service Problems		
No cable channel appears on TV screen.	Cable system not operating.	Call cable company for information.
	Cable box not turned on.	Turn on Cable Box.
	VCR not tuned to Cable Box output channel.	Tune VCR to Cable Box output channel.
	VCR SOURCE SELECT set to AUX.	Set VCR SOURCE SELECT to TUNER.

Recording Problems		
Observed Condition	Possible Cause	Probable Solution
Camcorder image is not shown on TV screen.	VCR SOURCE SELECT not set to AUX.	Set VCR SOURCE SELECT to AUX.
Camcorder is not recording.	Camcorder is off.	Turn camcorder on.

SERVICE INFORMATION

Timer recording is not possible.	Clock is not set to correct time.	Set clock to correct time.
	Timer has been programmed incorrectly.	Reprogram Timer.
	VCR is on.	Turn VCR off to activate Timer.
	TIMER SET or TMR does not appear after programming timer.	Reprogram Timer.

Tuning Problems		
Some channels are skipped over when scanning channels.	Those channels are preset to be skipped.	Restore channels to channel search sequence; select ADD next to channel number.
Channel cannot be switched.	VCR is in Timer Recording mode.	Press POWER to release VCR from Timer Recording mode.
Picture and sound are weak or missing.	Antenna or cables are loose.	Tighten connections or replace cable.

Audio-Stereo Record/Playback Problems		
Stereo is not present from VCR output.	TV is not Stereo. VCR not connected to TV Audio/Video Input jacks.	Connect VCR to TV Audio/Video In (or Hi-Fi Stereo Audio In jacks.)
	VCR Record Mode was not set to Stereo. Tape recorded with 2nd Audio or Monaural specified as Record Mode.	Set VCR Audio to appropriate mode.
	VCR Audio/Video Output jacks not connected to TV Audio/Video input jacks.	Connect VCR Audio/Video Out to TV Audio/Video In.

VCR Plus Problems		
VCR records program on different channel than channel specified.	Channel Map Procedure is incorrect or was not performed.	Channel Map for your local broadcast area.
Recorded wrong channel or no channel with Cable Box.	Cable Box not tuned to channel you wanted to record.	Tune Cable Box to channel you wish to record.
	Cable Box not turned on.	Turn Cable Box on and leave on.
	VCR not tuned to Cable Box Output Channel; 2, 3, 4, 5, 6, 7, 8 or 9.	Tune VCR to Cable Box Output Channel number. Call cable company for number if necessary.
No program on cable system.	Cable system not operating.	Call cable company for information.

SERVICE INFORMATION

MAINTENANCE

Auto Head Cleaning/Video Head Cleaning

The VCR automatically cleans the heads as it is used. However after long periods of use, the video heads may become clogged with accumulated dirt, causing distortion. When this occurs, use do-it-yourself wet head cleaning cassettes available through your nearest Sears Retail Store or Service Center.

Caution: Do not use dry head cleaning systems. They may seriously damage both the video recorder and cassette. When visual signs appear (snow, streaking in picture and horizontal pulling of picture) indicating the need for video head cleaning, please see your nearest Sears Retail Store or Service Center.

Cabinet Cleaning

The outside surfaces of the VCR may be cleaned with a soft lint-free cloth as required. Use care not to scratch the VCR during cleaning.

VCR FEATURES CHART

FEATURES	VR2135	VR4135	VR4185	VR4235HF
VCR Plus + + (Cable Box Control)	—	—	X	—
2-Heads	X	—	—	—
4-Heads	—	X	X	X
On-Screen Audio Menu	—	—	—	X
Front/Rear Audio/Video In Jacks	X	X	X	X
Stereo Audio In/Out Jacks	Monaural VCR	Monaural VCR	Monaural VCR	Stereo VCR
Rear Audio/Video Out Jacks	X	X	X	X
Record Speeds SP/EP	X	X	X	X
Playback Speeds SP/LP/EP	X	X	X	X
MBR3350-02 Remote Control	X	—	—	X
MBR3370-02 Remote Control	—	—	X	—
MBR4135	—	X	—	—
Auto Clock Set	—	X	X	—
Auto Head Cleaner	X	X	X	X
Auto Playback System	X	X	X	X
Auto/Manual Tuning Band Select	X	X	X	X
Auto/Manual Channel Search	X	X	X	X
Auto/Manual Digital Tracking	X	X	X	X
Instant Record	X	X	X	X
Timer Record	X	X	X	X
Forward/Reverse Slow Motion	—	X (Variable Speed)	X (Variable Speed)	X (Fixed Speed)
English/Spanish On-Screen Menus	X	X	X	X
Pause/Still Video	X (Noise)	X (Clear)	X (Clear)	X (Clear)
Real-Time Tape Counter	X	X	X	X
Index Search	X	X	X	X
Speed Search	X	X	X	X
Jet Search	X	X	X	X
1 Year, 8 Event Timer	X	X	X	X
LED Message Center Display	X	X	—	X
FDP Message Center Display	—	—	X	—
Hook-up Cable	X	X	X	X

Note: All features subject to change without prior notice.

— Feature not available

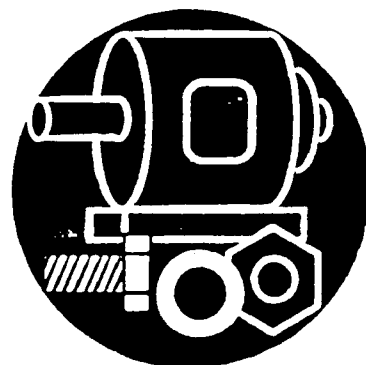
X Feature is provided

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(1-800-366-7278)



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1-800-488-1222



**For information on purchasing a Sears
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about an existing Agreement**

call 9 am - 5 pm, Monday-Saturday

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MODEL NO.

VR2135
VR4135
VR4185
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S-WARR

VHS

VIDEO CASSETTE RECORDER

Your Sears Video Cassette Recorder has added value when you consider that Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained on Sears home entertainment products; having the parts, tools and equipment to insure that we meet our pledge to you... "We Service What We Sell."

Should a need ever exist for repair parts or service, simply contact any Sears Service Center/Department.

WARRANTY

This product is exclusive to and is warranted solely by Sears. For 90 days from the date of purchase, Sears will repair any defect in material or workmanship in this video cassette recorder, free of charge. For one year from the date of purchase, Sears will supply, at no charge, replacement for defective parts.

The above warranty coverage applies only to video cassette recorders which are used for private household purposes.

TO OBTAIN WARRANTY SERVICE, SIMPLY RETURN THE VIDEO CASSETTE RECORDER TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co.,
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