Dual-Deck

VCR 2 ®

Owner's Guide

Video Cassette Recorder
Model GV2020

GO.VIDEO ®

Dual-Deck VCR▲2®

To get the full benefit of the VCR-2® features, please read this Owner's Guide carefully.

Record the serial number from the back of your VCR-2 here. Attach your sales receipt for reference.

Model Number: **GV**2020

Serial Number: _____

Purchase Date: _____

It is important that you register your VCR-2 with Go-Video, Inc. so that you can be contacted in the event of a product modification or recall. To register your VCR-2, complete the warranty registration card and mail it in.

To contact Go-Video, Inc. call (800) 279-1600 for information regarding your VCR-2.

WARNING:
▲ To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
▲ Do not open the cabinet; dangerous high voltage is present. Refer servicing only to qualified personnel.
▲ This video cassette recorder should only be used with 120V, 60Hz (standard U.S. household) current.

CAUTION:
▲ To prevent fire, shock hazard or annoying interference, use only the recommended accessories.
▲ To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

ATTENTION:
▲ Pour prévenir les chocs électriques, ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent etre insérées à fond sans en laisser aucune partie à découvert.

NOTE TO CATV SYSTEM INSTALLER:
This reminder is provided to call the CATV system installer's attention to Article 820-22 of the National Electrical Code 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.

WARNING:
Federal law provides severe civil and criminal penalties for the unauthorized reproduction, distribution or exhibition of copyrighted motion pictures and video tapes. (Title 17, United States Code, Sections 501 and 506)

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK

DO NOT REMOVE COVER

NO USER-SERVICEABLE PARTS INSIDE

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol 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 fire or electric shock.

This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying this product.

Limited Warranty

WHO PROVIDES THE LIMITED WARRANTY?

During the warranty period, the Go-Video Warranty Administrator will honor service through an authorized service center for 90 days labor, one (1) year parts, from the original date of consumer purchase. See below for commercial, industrial or educational use coverage.

WHO IS PROTECTED?

This warranty protects the original consumer owner of this Go-Video product.

WHAT IS COVERED AND HOW LONG?

This warranty covers internal operating parts and service/labor to repair or replace covered parts in this Go-Video product for 90 days labor, one (1) year parts, from the date of purchase, defined as follows: (1) Original Consumer Retail Purchase; (2) First Rental Purchase Agreement; or (3) First Lease Purchase Agreement (the "Warranty Period"). Labor and replacement parts supplied during the Warranty Period are covered only for the remaining portion of the original Warranty Period. The Go-Video Warranty Administrator shall have no liability for service under this warranty if non OEM replacement parts are used in the repair of your Go-Video product.

WHAT MUST THE OWNER DO IF SERVICE IS REQUIRED?

If service under this warranty is required, contact your original Go-Video dealer, or call the Go-Video service number below, to determine the nearest authorized Go-Video service center.

Go-Video's warranty pays for a new or remanufactured part to replace any part found to be defective during the Warranty Period as well as reimbursement for approved labor costs to an authorized service center. The owner will be responsible for any service call charge or trip charge.

OTHER WARRANTY COVERAGE

Commercial, industrial or educational use has the same warranty coverage as stated elsewhere on this page, except that parts and labor coverage is only for 30 days from original date of purchase.

WHAT ARE THE EXCEPTIONS?

This warranty does not cover 1) Damage from misuse, abuse, neglect or accident, natural disasters or Acts of God. 2) Cabinetry, decorative parts, batteries, hand-held remotes, cable boxes, connectors, A/C adapters or accessories, knobs or buttons, or video cassette tape. 3) Cleaning of video/audio heads, which is routine maintenance, or other routine maintenance. 4) The foreign country use of this product. 5) Go-Video product which has been electrically or mechanically modified in any way or incorporated into other products. 6) Signal reception problems caused by external antenna or cable systems. 7) Installation and set-up service adjustments. 8) Owner instruction. Your Owner's Guide provides information regarding operating instructions and user controls. For additional information, contact your authorized Go-Video dealer.

Go-Video is not responsible for any shipping, handling or insurance charges.

Defective unit or parts must be available to send to the Go-Video Warranty Administrator IF DEMANDED at the time of service or claim processing.

This Exclusive Limited Warranty excludes all incidental and consequential damages. Some states do not allow the exclusion of incidental and consequential damages so the above exclusion may not apply to you.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY PERIOD. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This Exclusive Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For further information contact:
GO-VIDEO WARRANTY ADMINISTRATOR
7835 EAST McCLAIN DRIVE, SCOTTSDALE, ARIZONA 85260
(480) 998-3400

To obtain the location of your nearest service center contact:
GO-VIDEO SERVICE
(800) 992-8777

1. READ INSTRUCTIONS - All the safety and operating instructions should be read before the unit is operated.

2. RETAIN INSTRUCTIONS - The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS - All warnings on the unit and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS - All operating and maintenance instructions should be followed.

5. CLEANING - Unplug this video unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a dry cloth for dusting cabinet.

6. ATTACHMENTS - Do not use attachments not recommended by the video product manufacturer, as they may be hazardous.

7. WATER & MOISTURE - Do not use this video unit near water — for example, near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool or the like.

8. ACCESSORIES - Do not place this video unit on an unstable cart, stand, tripod, bracket or table. The video unit may fall, causing serious injury to a child or adult, and serious damage to the unit. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the video unit. Any mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

8A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
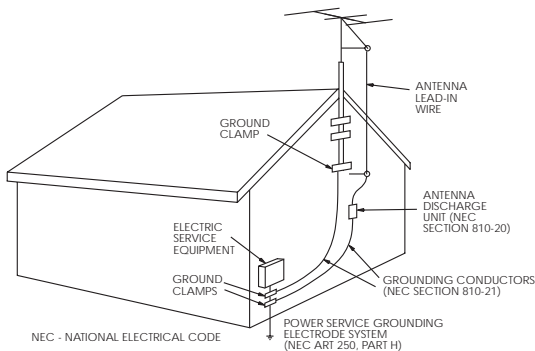
<div align="center">

PORTABLE CART WARNING
(Symbol provided by RETAC)

</div>

9. VENTILATION - Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the video unit and to protect it from overheating. These openings must not be blocked or covered. Never place your VCR on a bed, sofa, rug or other similar surface, on or near a radiator or heat register. This video unit 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.

10. POWER SOURCES - This video unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home consult your appliance dealer or local power company. For video units intended to be operated from battery power, or other sources, refer to the operating instructions.

11. GROUNDING OR POLARIZATION - This video unit may be equipped with either a polarized 2-wire AC line plug (a plug having one blade wider than the other) or a 3-wire grounding plug having a third (grounding) pin.

The 2-wire polarized plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

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Safety Instructions

ANTENNA LEAD-IN WIRE

GROUND CLAMP

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

ELECTRIC SERVICE EQUIPMENT

GROUND CLAMPS

GROUNDING CONDUCTORS (NEC SECTION 810-21)

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

NEC - NATIONAL ELECTRICAL CODE

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 of plugs, convenience receptacles, and the point where they exit from the unit.

13. **OUTDOOR ANTENNA GROUNDING** - If an outside antenna or cable system is connected to the video unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure on this page.

14. **LIGHTNING** - For added protection of this video unit 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 video unit due to lightning and power line surges.

15. **POWER LINES** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, where it can fall into such power lines or circuits. When installing an outside antenna system extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

16. **OVERLOADING** - Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

17. **OBJECTS AND LIQUIDS** - Never push objects of any kind into this video unit through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquids of any kind onto the unit. Should spillage occur, unplug unit and have it checked by a technician before use.

18. **SERVICING** - Do not attempt to service this video unit yourself as opening or removing covers may expose you to a dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. **DAMAGE REQUIRING SERVICE** - Unplug this video unit 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 any liquid has been spilled onto or objects have fallen into the video unit.
    c.   If the video unit has been exposed to rain or water.
    d.   If the video unit does not operate normally by following the operating instruction. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video unit to its normal operation.
    e.   If the video unit has been dropped or the cabinet has been damaged.
    f.   When the video unit exhibits a distinct change in performance — this indicates a need for service.

20. **REPLACEMENT PARTS** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

21. **SAFETY CHECK** - Upon completion of any service or repairs to this video unit ask the service technician to perform safety checks to determine that the video unit is in safe operating order.

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Table of Contents

Initial setup instructions begin on page 5. See page 10 for a list of included accessories.

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Exclusive Features of Your VCR-2

AmeriChrome Copy™ Circuitry. Page 13.
Your VCR-2's exclusive AmeriChrome Copy circuitry replaces the normal video processing system to maintain the high quality of your original tape. AmeriChrome Copy also synchronizes the deck speeds for optimum duplication results.

Copy one tape to another with one-touch simplicity. Page 13.
The Copy Tape™ button enables you to duplicate tapes with unequaled clarity at a single touch of a button.

View a prerecorded tape while recording a TV program. Page 14.
Only the VCR-2 features the Dual-Deck System™ so that you can watch a prerecorded tape while recording from TV.

Record two programs from TV at the same time. Page 15.
The exclusive Dual-Deck System lets you record two different programs at the same time. Of course, the TV doesn't have to be your only source – you can record from TV while making a live recording with a video camera or recording from another VCR or laser disc player.

Edit video tapes. Pages 16 - 17.
Copy segments from any number of tapes onto one master tape.

Other Key Features of Your VCR-2

Operate and program your VCR-2 without getting out of your chair. Pages 8 - 9, 11.
You can perform all operations, including setting a Timer Recording, with the advanced Remote Control.

Search for a favorite segment on a tape with Picture Scan or Jet Search. Page 12.
Picture Scan lets you view the tape at up to 9 times the normal play speed and Jet Search at up to 21 times the normal play speed, in forward or reverse.

Set a timed recording with a single button. Page 18.
One-Two Recording™ is a simple way to record a TV program.

Set the timer to record up to 16 hours of programs for weeks, months, or even years in advance. Pages 19 - 21.
The advanced circuitry of Timer Recording will let you program up to 16 events for one-time, daily, or weekly recording.

View and change VCR-2 settings and Timer Recording settings right on your TV screen. Pages 19 - 27.
On-Screen Programming makes it simple to change tape speed, clock, calendar and timer settings, and much more.

Memory backup for Speed, Timer and Channel Memory settings.
Your VCR-2 remembers these settings even after power failures. When the power fails, all you need to reset is the clock.

Play and record tapes with Dolby noise reduction. Page 24.
These special circuits improve sound quality by reducing "tape hiss" during soft passages.

Record from a video camera or other video source. Page 37.
Your VCR-2 makes exceptional recordings from video cameras, laser disc players, and other VCRs.

Play and record video tapes in stereo. Pages 24, 38.
You can play prerecorded and home video tapes in stereo for improved sound definition. Your VCR-2 also tunes MTS broadcast stereo programs for recording full stereo sound.
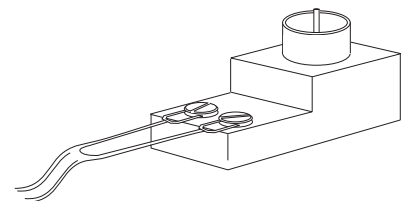
4
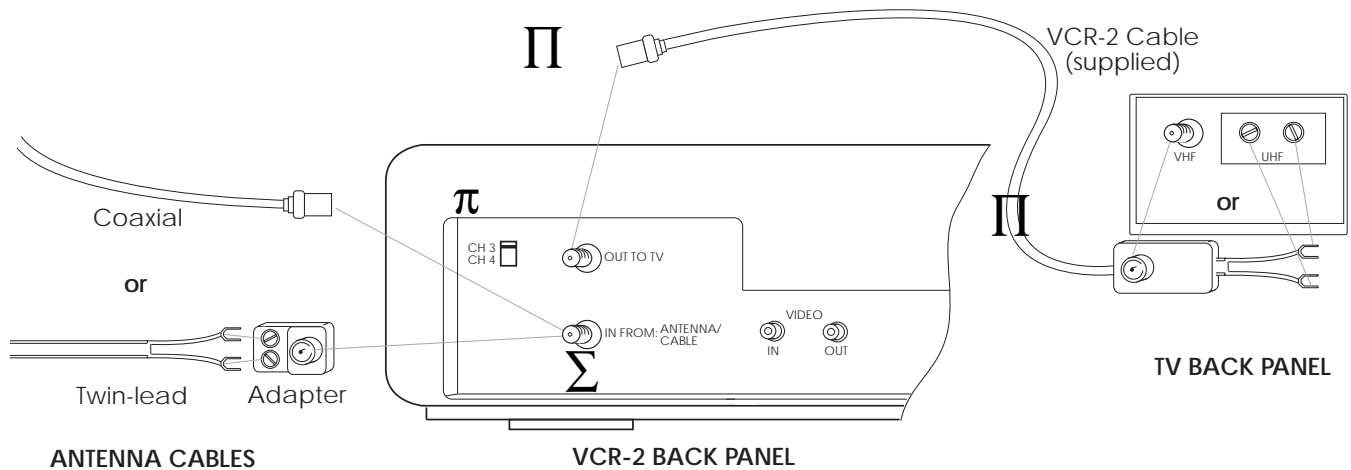
To connect your VCR-2 to your TV, follow these four simple steps. More advanced connection instructions begin on page 32.

① Place your VCR-2 next to your TV and plug the VCR-2 power cord into a wall outlet.

Σ Detach the antenna cable from your TV (it will be either a round coaxial cable or a flat twin-lead cable). Attach this cable to the In from Antenna/Cable connection on the back panel of your VCR-2. If your antenna cable is twin-lead, use the supplied adapter.

∏ A cable is supplied with your VCR-2. Connect the coaxial (round) end of this cable to the Out to TV connection on your VCR-2 back panel. Connect the other end of the supplied cable to the antenna connection on the back of your TV.

Depending on the type of antenna connection your TV has, you will connect either the round coaxial connector or the twin-lead connectors. If your TV has both types of connections, use the coaxial connection. You should not connect both.

π Set the CH 3/CH 4 selector, which is located on the back panel of your VCR-2. It is preset to channel 3. To avoid interference from a local station you should choose the channel that is not normally used in your area.
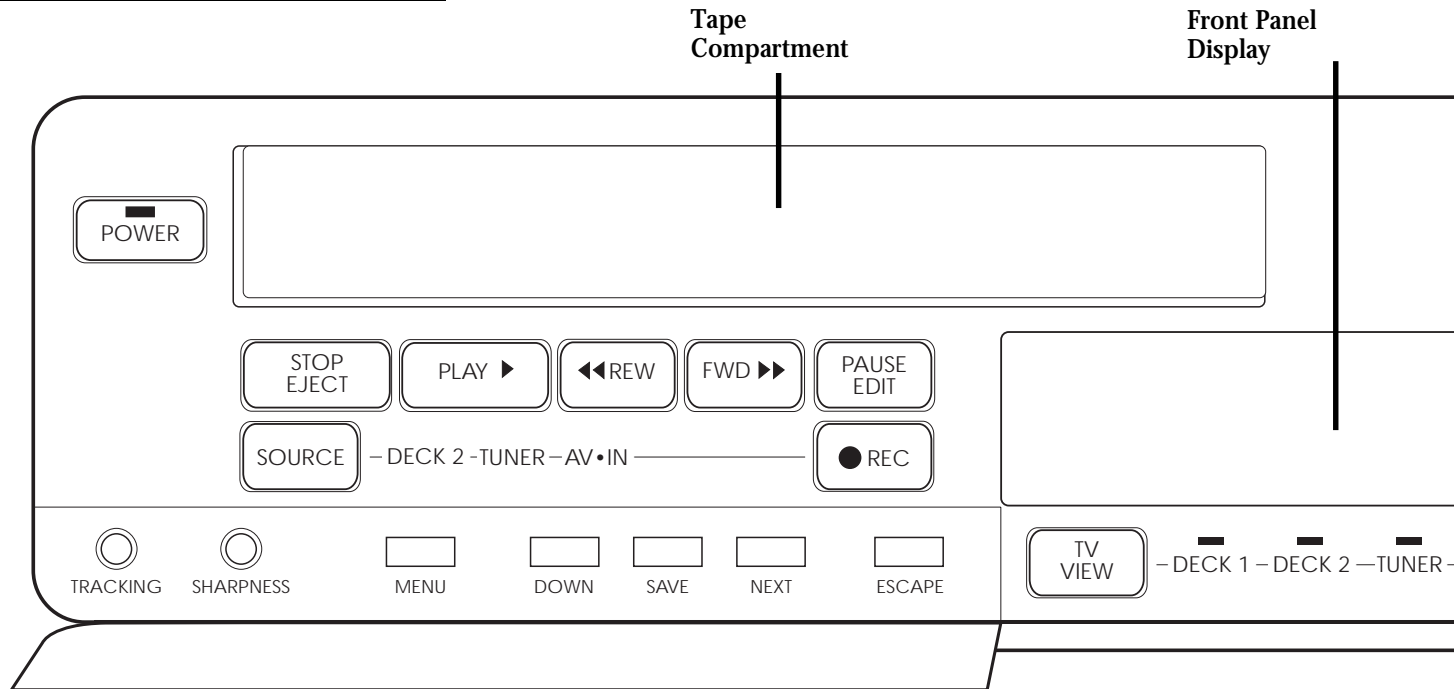
Use the supplied adapter if your antenna cable is twin-lead.

5

Tape
Compartment

Front Panel
Display

POWER

| STOP EJECT | PLAY ▶ | ◀◀REW | FWD ▶▶ | PAUSE EDIT |

SOURCE — DECK 2 - TUNER — AV • IN ———————— ● REC

TRACKING SHARPNESS MENU DOWN SAVE NEXT ESCAPE

TV VIEW — DECK 1 – DECK 2 — TUNER –

To find a complete description of the features mentioned in this section, consult the Index, pages 42 - 43.

Channel Down Button - Press to select the next lower TV channel in Channel Memory.

Channel Up Button - Press to select the next higher TV channel in Channel Memory.

Copy Tape™ Button - Press to start and stop AmeriChrome Copy™.

Copy Tape Indicator - Lights when AmeriChrome Copy duplication is in progress.

CTR/TIME (Counter/Time) Display Button - Press to switch the Front Panel Display between Clock and Tape Counter. Tape Counter is displayed for the most recently viewed deck.

Down Button - Press to move down through menu selections during On-Screen Programming. Press to change settings in the Set Date and Time Menu or Timer Recording Menu.

Escape Button - Press to exit the current On-Screen Programming menu and return to the previous menu. Press to erase any changes you have made in the Set Date and Time Menu or Timer Recording Menu.

Front Panel Display - Displays the status of your VCR-2. See the detailed explanation on page 29.

FWD (Fast Forward Buttons) - Press to advance the tape when your VCR-2 is stopped. When your VCR-2 is playing, press Fast Forward for forward Picture Scan; press Fast Forward twice for forward Jet Search.

Menu Button - Press to display the On-Screen Programming Main Menu on your TV screen. Other menus are accessed through the Main Menu.

Next Button - Press to change the setting of the current menu selection. Press to move to the next menu selection in the Set Date and Time Menu or Timer Recording Menu.

Pause/Edit Buttons - Press to temporarily stop the tape while playing or recording. Should not be used for more than 3 minutes at a time. Your VCR-2 will Auto Stop after 5 minutes in play still or record pause.

Play Buttons - Press to play a tape. Press to continue playing after pause or Picture Scan/Jet Search.

Power Button - Press to turn your VCR-2 on and off. Press to change Auto Power Off mode during rewind or Timer Recording. See page 30.

Power Indicator - Lights when power is on. Blinks during Auto Power Off

**Tape
Compartment**

STOP
EJECT   PLAY ▶   ◀◀REW   FWD ▶▶   PAUSE
EDIT

COPY
TAPE▲

SOURCE   – DECK 1 -TUNER – AV•IN —————   ● REC

– AV•IN —————— VCR   TV

TV
VCR

– – – CHANNEL – – –
DOWN   UP

CTR
TIME   RESET   TRACKING   SHARPNESS

mode.

REC (Record) Buttons - Press to start recording onto a tape. Press to continue recording after pause. Press during recording to activate One-Two Recording™.

Reset Button - Press to reset the Tape Counter to 0000. Press twice to set Memory Stop mode. Press to reset all settings while in the Set Date and Time Menu or Timer Recording Menu. Press to clear an event in the Timer Recording Summary.

REW (Rewind) Buttons - Press to rewind the tape when your VCR-2 is stopped. When your VCR-2 is playing, press Rewind for reverse Picture Scan; press Rewind twice for reverse Jet Search.

Save Button - Press to save any changes you have made to the current menu and return to the previous menu.

Sharpness Controls - Turn to soften or sharpen the picture to your viewing preference. There are separate controls for Decks 1 and 2.

Source Buttons - Press to select the video source to be recorded on each deck. Changes the Source indicators.

Source Indicators - Indicate the video source that is being (or will be) recorded or viewed for each deck. Lights only when a tape is loaded in that deck.

Stop/Eject Buttons - Press to stop the tape. Press to eject a stopped tape.

Tape Compartments - Insert a tape (window up, tape door facing away) through the compartment door of either deck. Your VCR-2 will automatically finish loading the tape.

Tracking Controls - Turn to eliminate noise (white streaks across the picture) during play. There are separate controls for Decks 1 and 2.
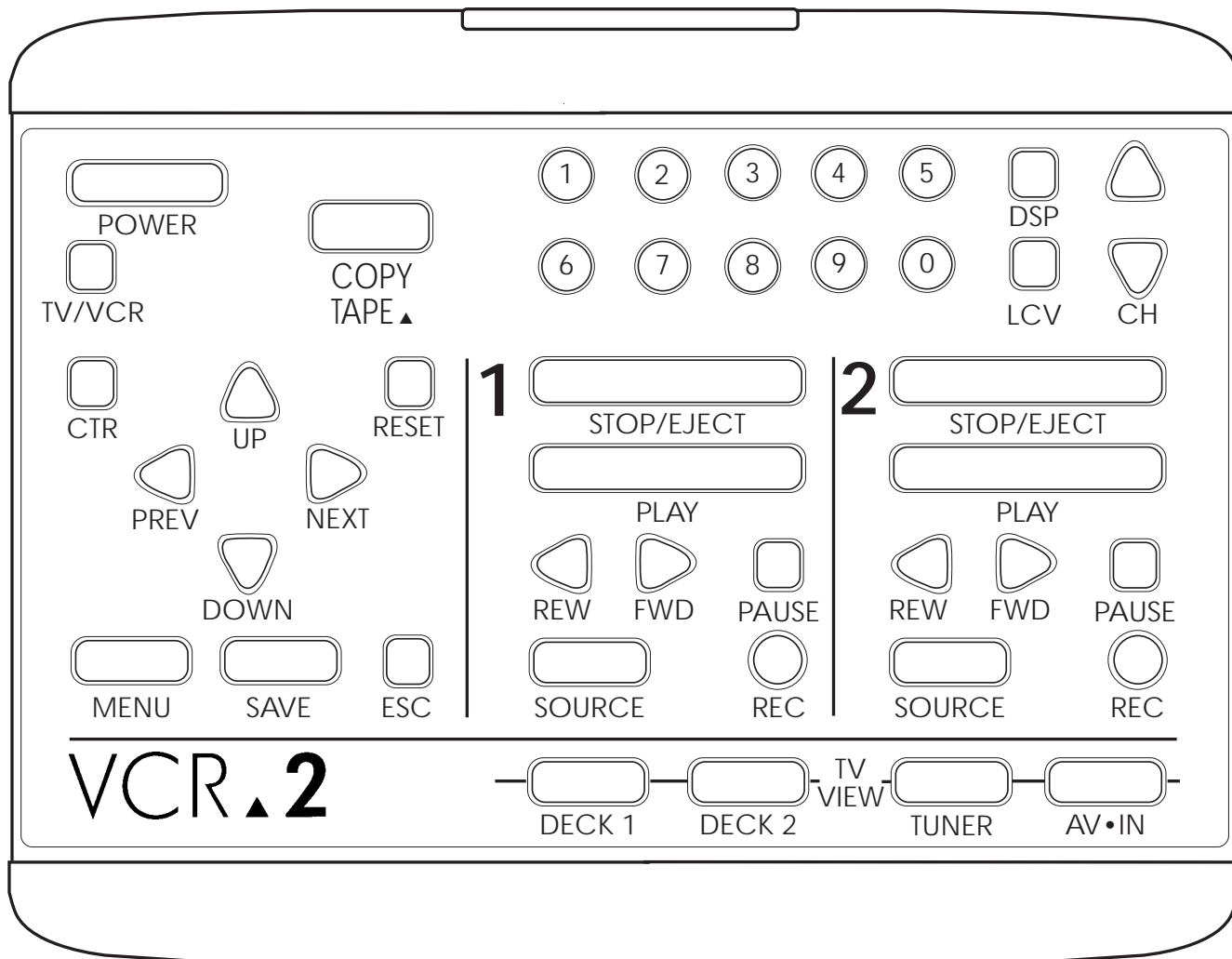
TV/VCR Button - Press to select the source of the picture on your TV screen – TV for your TV tuner, VCR for your VCR-2 TV View.

TV/VCR Indicators - Indicate the source of the picture on your TV screen – TV for your TV tuner, VCR for your VCR-2 TV View.

TV View Button - Press to select the TV View – Deck 1, Deck 2, Tuner, or AV-IN – when the TV/VCR button is set to VCR.

TV View Indicators - Indicate the video source that has been selected with the TV View button.

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POWER
TV/VCR
COPY
TAPE▲

1 2 3 4 5 DSP △
6 7 8 9 0 LCV ▽ CH

CTR UP RESET
PREV NEXT
DOWN
MENU SAVE ESC

1 STOP/EJECT
PLAY
REW FWD PAUSE
SOURCE REC

2 STOP/EJECT
PLAY
REW FWD PAUSE
SOURCE REC

VCR▲2

DECK 1 DECK 2 TV VIEW TUNER AV•IN

Follow these instructions to install or replace the Remote Control battery:

① Remove the battery compartment door on the bottom of the Remote Control.
≠ Install one 9 volt battery as indicated on the battery compartment.
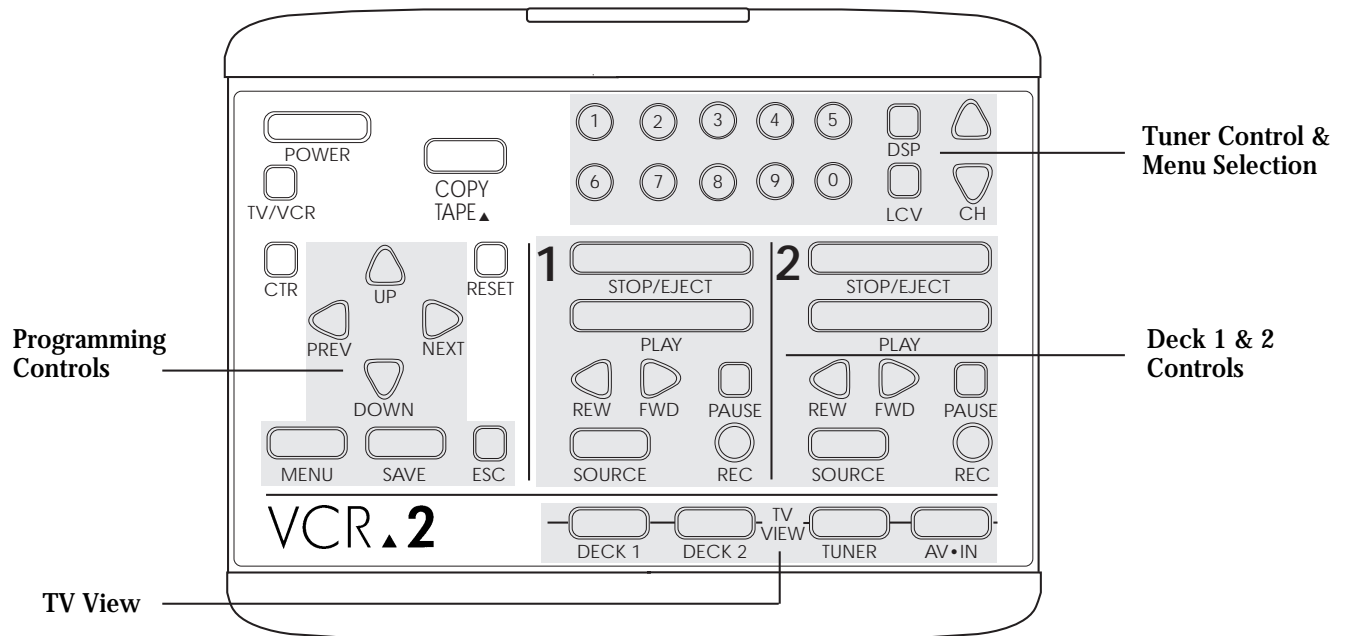③ Replace the battery compartment door.

To find a complete description of the features mentioned in this section, consult the Index, pages 42 - 43.

▲ Neon light may disrupt the signal from the Remote Control. Keep neon lights away from your VCR-2 and Remote Control. ▲

AV-IN Button - Press to change the TV View to AV-IN (for input from another VCR, laser disc player, video camera, etc.).

CH ▼ (Channel Down) Button - Press to select the next lower TV channel in Channel Memory.

CH ▲ (Channel Up) Button - Press to select the next higher TV channel in Channel Memory.

Copy Tape™ Button - Press to start and stop AmeriChrome™ Copy.

CTR (Counter/Time Display) Button - Press to switch the Front Panel Display between Clock and Tape Counter. Tape Counter is displayed for the most recently viewed deck.

Deck 1 Button - Press to change the TV View to Deck 1.

Deck 2 Button - Press to change the TV View to Deck 2.

Down Button - Press to move down through menu selections during On-Screen Programming. Press to change settings in the Set Date and Time Menu or Timer Recording Menu.

DSP (Display) Button - Displays or clears the On-Screen Display on your TV screen. See detailed explanation of OSD on page 28.

ESC (Escape) Button - Press to exit the current On-Screen Programming menu and return to the previous menu. Press to erase any changes you have made in the Set Date and Time Menu or Timer Recording Menu.

FWD (Fast Forward) Buttons - Press to advance the tape when your VCR-2 is stopped. When your VCR-2 is playing, press Fast Forward for forward Picture Scan; press Fast Forward twice for forward Jet Search.

LCV (Last Channel Viewed) Button - Press to change the channel to the last channel viewed.

Menu Button - Press to display the On-Screen Programming Main Menu on your TV screen. Other menus are accessed through the Main Menu.

Next Button - Press to change the setting of the current menu selection. Press to move to the next menu selection in the Set Date and Time Menu or Timer Recording Menu.

Numeric Buttons 0 - 9 - Press for TV channel selection (when the TV/VCR selector is set to VCR). Press for menu selection and settings during On-Screen Programming.

Pause Buttons - Press to temporarily stop the tape while playing or recording. Should not be used for more than 3 minutes at a time. Your VCR-2 will Auto Stop after 5 minutes in play still or record pause.

Play Buttons - Press to play a tape in the deck. Press to continue playing after pause or Picture Scan/Jet Search. Press to load a tape that is in the ejected position (Remote Load/Eject must be on).

Power Button - Press to turn your VCR-2 on and off. Press to change Auto Power Off mode during rewind or Timer Recording. See page 30.

PREV (Previous Button) - Press to change the setting of the current menu selection. Press to move to the previous menu selection in the Set Date and Time Menu or Timer Recording Menu.

REC (Record) Buttons - Press to start recording onto a tape. Press to continue recording after pause. Press during recording to activate One-Two Recording™.

Reset Button - Press to reset the Tape Counter to 0000. Press twice to set Memory Stop mode. Press to reset all settings while in the Set Date and Time Menu or Timer Recording Menu. Press to clear an event in the Timer Recording Summary.

REW (Rewind) Buttons - Press to rewind the tape when your VCR-2 is stopped. When your VCR-2 is playing, press Rewind for reverse Picture Scan; press Rewind twice for reverse Jet Search.

Save Button - Press to save any changes you have made to the current menu and return to the previous menu.

Source Buttons - Press to select the video source to be recorded on each deck.

Stop/Eject Buttons - Press to stop the tape. Press to eject a stopped tape (Remote Load/Eject must be on).

Tuner Button - Press to change the TV View to your VCR-2 tuner.

TV/VCR Button - Press to select the source of the picture on your TV screen – TV for your TV tuner, VCR for your VCR-2 tuner, tape decks, or AV-IN.

Up Button - Press to move up through menu selections during On-Screen Programming. Press to change settings in the Set Date and Time Menu or Timer Recording Menu.

9

Tuner Control &
Menu Selection

Programming
Controls

Deck 1 & 2
Controls

TV View

POWER
TV/VCR
COPY
TAPE▲
DSP
LCV   CH
CTR   UP   RESET
PREV   NEXT
DOWN
MENU   SAVE   ESC
VCR▲2
1 STOP/EJECT
PLAY
REW FWD PAUSE
SOURCE   REC
2 STOP/EJECT
PLAY
REW FWD PAUSE
SOURCE   REC
TV VIEW
DECK 1   DECK 2   TUNER   AV•IN

Your Remote Control makes it simple to operate and program your VCR-2.
Take a moment to learn where the buttons are located on the Remote
Control.

The Remote Control is divided into five areas. See pages 8 - 9 for detailed
descriptions of the buttons.

Tuner Control & Menu Selection - With the Channel Up and Channel Down,
Last Channel Viewed, and Numeric buttons you can change the channel
on your VCR-2 tuner. The Numeric buttons are also used for setting the
clock, calendar, and timer. The Display button displays the On-Screen
Display on your TV screen.

Deck Controls - There are separate controls for Deck 1 and Deck 2. The
buttons for both decks are laid out the same way.

TV View - These four buttons select the source of the picture you see on your
TV screen when the TV/VCR button is set to VCR.

Programming Controls - These buttons are used to change menus and settings
in On-Screen Programming.

Other Controls - Buttons that do not fit the other categories are found in the
unshaded area.

11
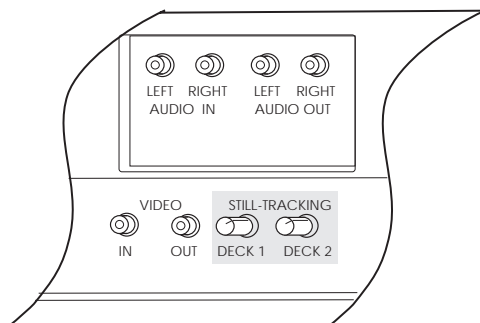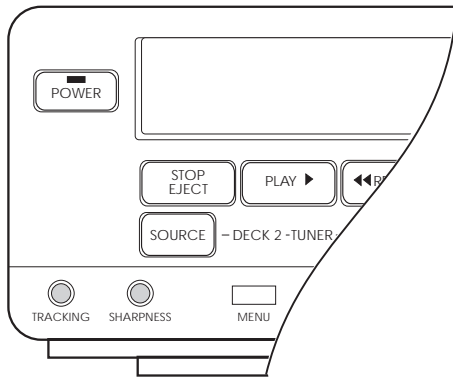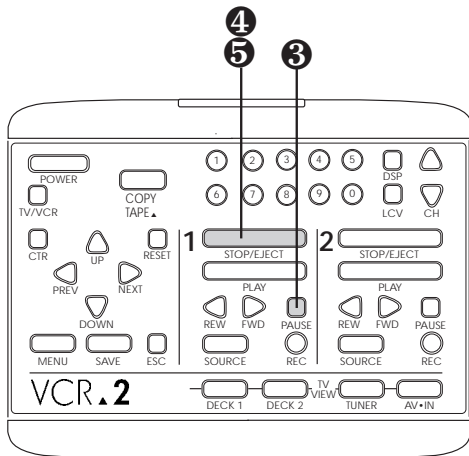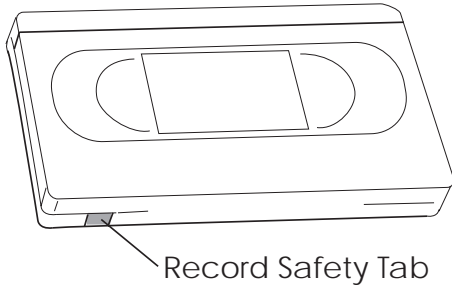
Record Safety Tab

To play a tape on your VCR-2 follow these five simple steps.

① Optionally remove the record safety tab from your prerecorded tape.

≠ Insert this tape into Deck 1 or 2.

If your VCR-2 power is off it will now automatically turn on.

Your VCR-2 has an Auto Play feature which automatically plays tapes that have the record safety tab removed. If Auto Play is off, press Play for the deck containing the tape.

The TV/VCR indicator automatically switches to VCR.

∏ Press Pause if you wish to freeze the picture.

PLAY will blink on the Front Panel Display.

Press Play to continue play.

π Press Stop/Eject once to stop the tape.

∫ Press Stop/Eject again to eject the tape from the deck. If using the Remote Control, the Remote Load/Eject feature must be on. See page 23.

▲ Removing the record safety tab prevents accidental recording over prerecorded scenes.

See pages 23 and 30 for an explanation of Auto Play.

While in play, press Fast Forward for forward Picture Scan. FF will blink on the Front Panel Display. Press Rewind for reverse Picture Scan. REW will blink on the Front Panel Display. Press Play to end forward or reverse Picture Scan and resume play.

While in play, press Fast Forward twice for forward Jet Search. FF will blink on the Front Panel Display. Press Rewind twice for reverse Jet Search. REW will blink on the Front Panel Display. Press Play to end forward or reverse Jet Search and resume play.

A certain amount of noise (white streaks across the picture) may appear when a tape recorded on one VCR is played on a different one. You can adjust the Tracking control on your VCR-2 Front Panel to minimize this noise while playing a tape. There are separate controls for Decks 1 and 2.

You can adjust the Sharpness control on your VCR-2 Front Panel to soften or sharpen the picture to your viewing preference. There are separate controls for Decks 1 and 2.

You can adjust the sharpness of the freeze-frame picture while a tape is paused by turning the Still-Tracking control (on your VCR-2 back panel) for the deck you are viewing. There are separate controls for Decks 1 and 2. ▲
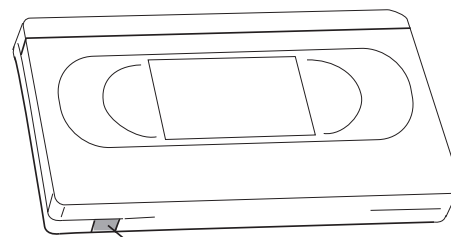
To duplicate a tape using AmeriChrome Copy™ follow these four simple steps.

① Insert into Deck 1 the tape to be duplicated.

Press the Deck 1 Stop/Eject button if the tape begins to Auto Play.

≠ Insert into Deck 2 a blank tape of sufficient length to record the tape in Deck 1. The record safety tab must be intact on the blank tape.

Record Safety Tab

If you wish to record onto a tape with a missing record safety tab, place a small piece of adhesive tape over the hole.

❸
❹

∏ Press the Copy Tape™ button.

The Copy Tape indicator will light on the Front Panel. The On-Screen Display will indicate "Amer Copy" and the AmeriChrome Copy Mode being used.

π Press the Copy Tape button a second time to stop the duplication.

▲ During AmeriChrome Copy 2, the recording speed of Deck 2 will automatically be set to match the play speed of Deck 1. Otherwise the duplicated tape will be recorded at the preset menu speed for that deck. To use AmeriChrome Copy 2, the original tape must be in Deck 1, and have been recorded at SP or LP speed.

When using AmeriChrome Copy 1, you can change the speed of the recording to fit more programming on a tape. For example, three two-hour tapes made at SP could be duplicated on one two-hour tape at EP. See page 23 to change the recording speed and AmeriChrome Copy settings, this may be done during a duplication.

If the play speed of the original tape is EP, or the copy is not from Deck 1 to Deck 2, AmeriChrome Copy 1 will automatically be used regardless of the menu setting.

For best results, duplicate tapes that were recorded in SP or LP. The quality of your duplicate is directly related to the quality of your original. Go-Video recommends recording onto high quality tapes (SVHS, HQVHS) to improve the quality of your copies.

To simplify duplicating a tape, first turn off Auto Play (see page 23). This prevents tapes from playing each time they are inserted.

You can duplicate tapes with Copy Tape even if your TV is turned off. ▲

13
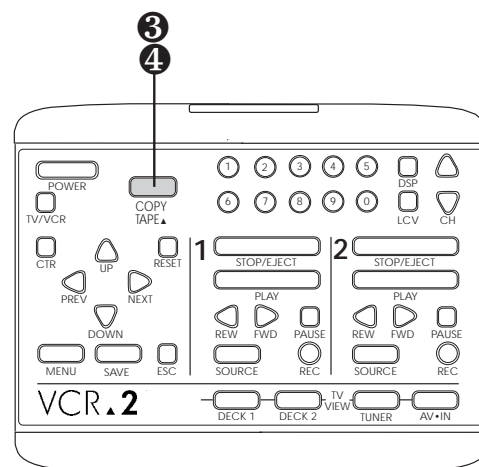
To record from your TV onto a tape follow these five simple steps.

① Insert a blank tape into Deck 1 or 2.

The record safety tab must be intact on the cassette. If the tab is missing, the tape may Auto Play and will be ejected when Record is pressed from the stop mode.

∑ Use the Remote Control or Front Panel to choose the channel you'd like to record.

Press the appropriate Numeric buttons or use the Channel Up/Down buttons.

∏ Press Source to select Tuner for the deck containing the tape.

π Press Record for the deck containing the tape to begin recording.

∫ Press Pause if you wish to pause the recording.

REC will blink on the Front Panel Display.

Press Record again to continue recording.

❻ Press Stop/Eject to end recording.

▲ EP (Extended Play) is the preset tape speed. Change the tape speed if you want to record at SP (Standard Play) or LP (Long Play). See page 23.

See pages 34 - 36 to record one channel while viewing another and for recording when your VCR-2 is connected to a cable system.

Neither the Source nor the channel, if you are recording from the tuner, can be changed during recording. However, they may be changed while the recording is paused. Be careful not to accidentally change the Source in the middle of a recording.

If you leave a blank tape in Deck 1 or 2, you can immediately begin recording any program you are watching by changing the Source for that deck to Tuner and pressing the Record button.

See page 19 to set the timer for recording a program later. ▲

Playing a Tape While Recording from TV

① Follow steps ① - π above to begin recording from your TV onto either deck.

≠ Insert a prerecorded tape into the other deck.

∏ Press Play if the tape does not begin to Auto Play.

▲ You can switch TV View from Deck 1 to Deck 2 to watch either the TV program you are recording or the prerecorded tape. ▲

14
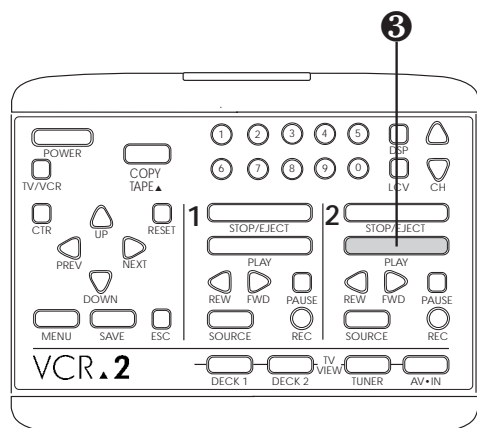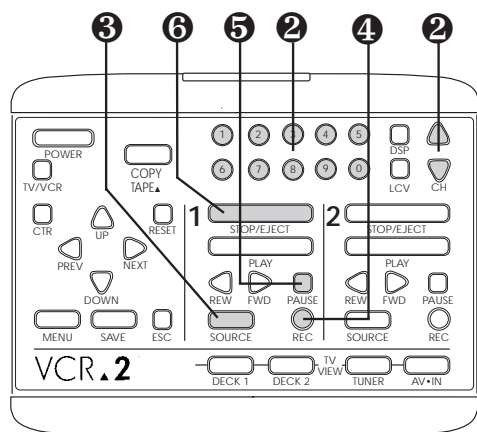
Recording two TV programs at the same time requires two tuners – the one in your VCR-2 and a second one from your TV, another VCR or an accessory tuner. If your TV does not have a video output connection, you will need a second tuner (VCR or accessory) with video output connections.

Connect the second tuner to the Audio In and Video In connections on your VCR-2 back panel (see diagram).

VCR-2 BACK PANEL

TV OR VCR BACK PANEL
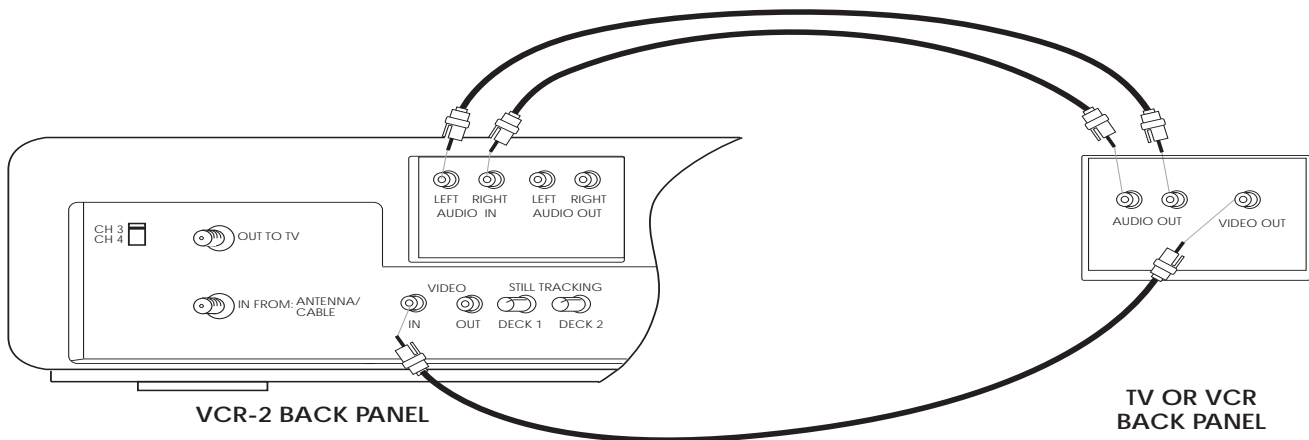
If your second tuner's antenna is connected the Out to TV connector on your VCR-2, you will only be able to watch the program that is being recorded on Deck 2. Before beginning, decide which program you want to watch and select it last.

① Turn on your TV and your VCR-2 (and the second tuner if different from your TV).

≠ Insert blank cassettes into Deck 1 and Deck 2.

∏ Use the Remote Control or Front Panel to choose the channel to be recorded on Deck 1.

π Press the Deck 1 Source button to select Tuner. The On-Screen Display will indicate Tuner for the Deck 1 Source.

∫ Press the Deck 1 Record button.

❻ If the second tuner's antenna is connected to the Out to TV connector on your VCR-2, set the TV/VCR button to TV and do not change this during recording. Otherwise, set the TV/VCR button to VCR and you may switch the TV View to either deck at will.

≤ Use the channel selector on your second tuner to choose the channel to be recorded on Deck 2.

Ω Press the Deck 2 Source button to select AV-IN. The Front Panel Source Indicators will show AV-IN as the Deck 2 Source.
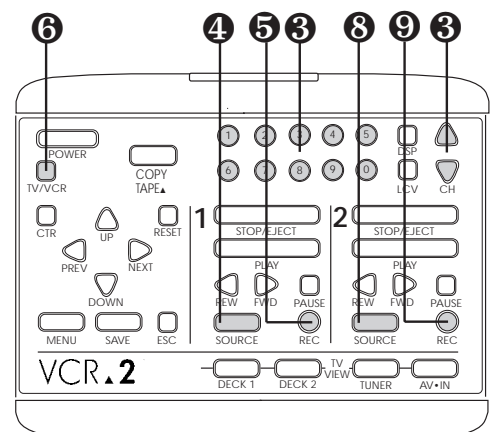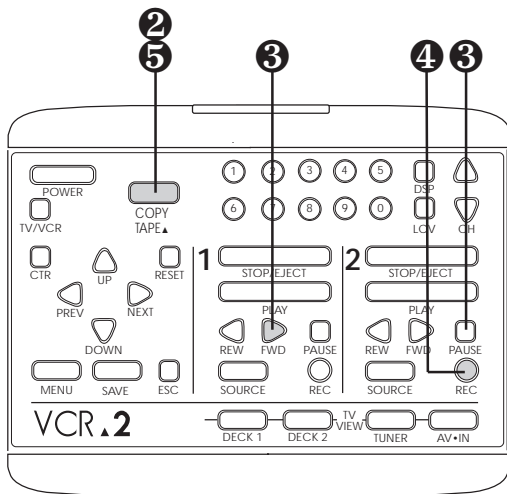
❾ Press the Deck 2 Record button.

15

▲ To simplify editing, first turn off Auto Play (see page 23). This prevents tapes from playing each time they are inserted.

You may also find it easier to edit when the On-Screen Display is on your TV screen. The OSD shows you the status and Tape Counter of both decks at all times. Press DSP to see the OSD. The On-Screen Display lettering will not be recorded on your video tape. ▲

Follow these simple instructions to edit out scenes from a single tape.

① Insert a blank tape into Deck 2 and the prerecorded tape into Deck 1.

∑ Press the Copy Tape™ button.

Just before the unwanted scene begins:
∏ Press the Deck 2 Pause button to pause the recording.

REC will blink on the Front Panel Display.

Avoid leaving the deck in record pause for more than 3 minutes. Your VCR-2 will Auto Stop after 5 minutes in record pause to prevent excessive tape wear.

If you desire, you can press the Deck 1 Fast Forward button to Picture Scan to the end of the unwanted segment. Press the Deck 1 Play button to end Picture Scan.

When the unwanted scene ends:
π Press the Deck 2 Record button to continue recording.

Repeat steps ∏ and π until all the unwanted scenes have been removed.

∫ Press the Copy Tape button to end editing.

▲ The audio track recording may continue for a few seconds after the video track ends. Practice and experimentation will refine your editing skills and help you to choose the best edit points to improve your edited tapes. ▲
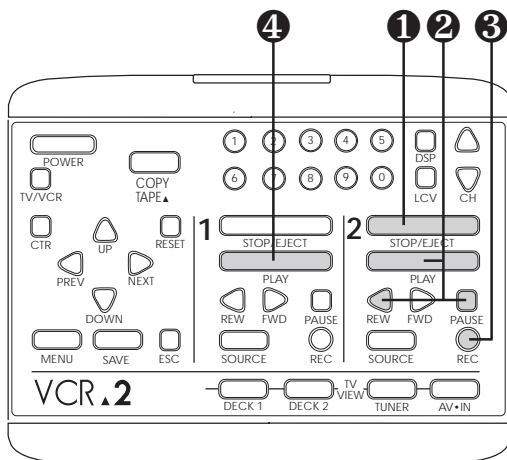
When performing more advanced editing, it may be necessary to adjust the position of your record tape to record over unwanted sections.

During an edit session, follow these instructions to adjust the position of your record tape.

∂ Press the Deck 2 Stop button. This will stop both decks.

∑ Press the Deck 2 Play button and then use Rewind to locate the point where you want to resume recording. Play the tape two seconds past this point and press Pause.

∏ Press the Deck 2 Record button. Deck 2 will enter record pause.

π Press the Deck 1 Play button and you may continue editing at step π above. Copy Tape will resume when you continue recording.

16

▲ To simplify editing, first turn off Auto Play (see page 23). This prevents tapes from playing each time they are inserted.

You may also find it easier to edit when the On-Screen Display is on your TV screen. The OSD shows you the status and Tape Counter of both decks at all times. Press DSP to see the OSD. The On-Screen Display lettering will not be recorded on your video tape.

The secret to editing scenes from multiple tapes is planning. You should review the tapes and take notes. Your notes should describe what you want to see on the master tape, which tapes contain the scenes you want, and what the order of scenes will be on the master tape. ▲

When you have taken ample notes, follow these simple instructions to edit.

① Insert a blank tape into Deck 2 and the prerecorded tape containing the first scene into Deck 1.

∑ Fast Forward the prerecorded tape to just before the beginning of the first scene.

∏ Press the Copy Tape™ button.

When the scene ends:
π Press the Deck 2 Pause button to pause the recording.

REC will blink on the Front Panel Display.

Avoid leaving the deck in record pause for more than 3 minutes. Your VCR-2 will Auto Stop after 5 minutes in record pause to prevent excessive tape wear.

∫ Press the Deck 1 Stop/Eject button to stop playing.

❻ Press the Deck 1 Stop/Eject button again to eject the tape. If using Remote Control, the Remote Load/Eject feature must be on. See page 23.

❼ Insert the next prerecorded tape into Deck 1 and Fast Forward to just before the beginning of the next scene.

Ω Press the Deck 1 Play button.

Just before the next scene begins:
❾ Press the Deck 2 Record button to continue recording.

Repeat steps π through ❾ until all scenes have been duplicated onto the master tape.

❿ Press the Copy Tape button to end editing.

▲ If your prerecorded tape should end, or you stop it before pausing your record tape, the record deck will automatically pause to prevent unwanted recording. ▲
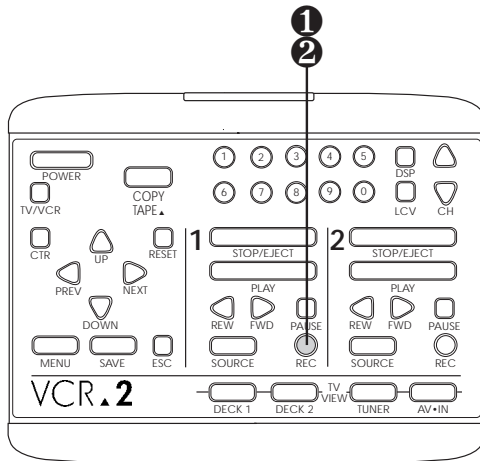

17
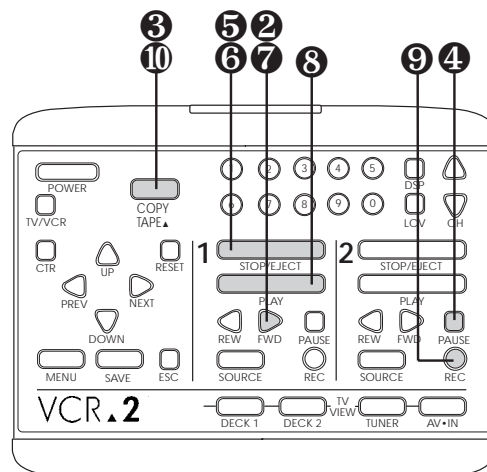
One-Two Recording™

One-Two Recording™ is a simple two-step way to record TV programs in 30 minute increments.

To start One-Two Recording (OTR), follow these simple steps.

∂ **Press Record to begin recording.**

Σ **Press Record a second time.**

The On-Screen Display will appear on your TV screen. The second line of deck status will display OTR 0:30. ON and OTR will light on the Front Panel Display.

Continue to press Record until the desired recording duration appears. You can select up to 9 hours, 30 minutes in 30 minute increments.

The On-Screen Display will disappear 3 seconds after you push the last button.

DECK 1	TV VIEW	DECK 2
OTR 0:30	DECK 1	STOP
2562		1969
SP		SP

MON MAY 14, 1991 12:00PM

The second line of deck status displays OTR and the recording duration.

▲ You can change the duration at any time during OTR by pressing Record. 30 minutes will be added to the remaining time each time you press Record.

You can record even if your TV is turned off. The channel indicated on the Front Panel Display will be recorded.

Your VCR-2 power must remain on during OTR. Turning the power off will stop your recording.

Refer to page 14 for more information about recording TV programs. ▲

18

▲ Before programming the timer, the clock must be set. If you try to program the timer when the clock is not set, the Set Date and Time Menu will appear. See page 25. ▲

To program the timer, follow these simple instructions.

∂ Press Menu. The Main Menu will appear on your TV screen.
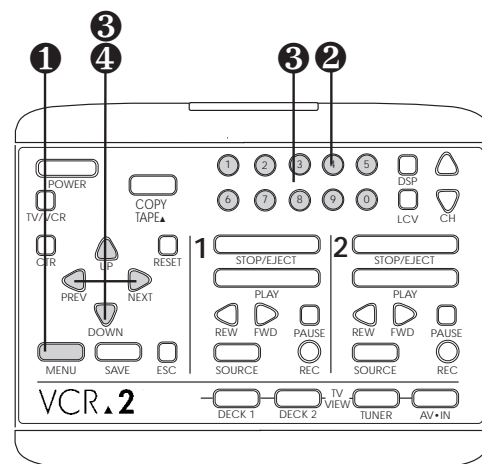
∑ Press 4 to choose Timer Recording. You'll see the Timer Recording Summary.

▲ From this point, you will not be able to change channels until you return to the Main Menu. ▲

The Summary allows you to review the current timer settings. Four events are displayed on the screen at one time. Use the Up/Down buttons to review any event from 1 to 16.

∏ Use the Numeric buttons to choose the event number you wish to program (or use the Up/Down buttons to highlight your selection and press Next to choose it). You'll see the Timer Recording Menu.

π Use Previous and Next to move from one selection to another. Use the Numeric buttons (or the Up/Down buttons) to change the settings for each selection. Use a preceding zero (0) before single digit entries or press Next after the first digit.

Set the Month the event will be recorded. January is 01, October is 10, etc.

Set the Year the event will be recorded. Enter only the last two digits: 91, 92, 93, etc.

Set the Day the event will be recorded.

MAIN MENU

```
1:   VIDEO MENU

2:   AUDIO MENU

3:   SET DATE AND TIME

4▶   TIMER RECORDING

5:   CHANNEL/TUNER MENU
```

WHEN OK PUSH SAVE

SELECT EVENT #01

```
EVENT      DATE        TIME
  1: MON  JAN  1 12:03PM
     [2] CH02  --  NRM  SP
  2: - - -  - - - --  - -:- - -
     [-] - - - -  --  - - -    - -
  3: - - -  - - - --  - -:- - -
     [-] - - - -  --  - - -    - -
  4: - - -  - - - --  - -:- - -
     [-] - - - -  --  - - -    - -
```

SET **MONTH** :

```
JUNE 1991                1:00 PM
SU  MO  TU  WE  TH  FR  SA
                             1
 2   3   4   5   6   7   8
 9  10  11  12  13  14  15
16  17  18  19  20  21  22
23  24  25  26  27  28  29
30                      DECK 2
0HR  30MIN  CH 10  --  NRM  SP
```

WHEN OK PUSH SAVE

19

Set the Hour the event will be recorded.

Set the Minute the event will be recorded.

Set AM/PM. Use the Up/Down buttons or press 1 for AM, 2 for PM.

Set the Deck on which the event will be recorded.

Set the number of Hours of the recording. You can select up to 9 hours and 59 minutes.

Set the number of Minutes of the recording.

Set the Channel (or AV-IN) to record. For AV-IN, select channel 00.

Set the event Type. NRM (Normal) records one event one time only; use it for a movie or football game, for example. DLY (Daily) records one event at the same time every weekday; use it for soap operas or the news. WKY (Weekly) records one event at the same time every week; use it for a weekly series. Daily and weekly recordings begin on the date set.

Set the recording Speed. Use the Up/Down buttons or press 1 for SP, 2 for LP, 3 for EP. See page 23 for an explanation of speeds.

▲ If desired, press Reset to return all selections in this menu to their original settings and restart step π . You can do this at any time.

To be able to record Simulcast or SAP broadcasts, use the Audio Menu to place the tuner in the appropriate mode. See page 24. When Simulcast is active, "SC" will appear after the channel number in both the Timer Recording Summary and the Timer Recording Menu. ▲

∫ Press Save to accept your settings and return to the Timer Recording Summary. You can do this at any time.

OR

Press Escape to cancel any changes to this event and return to the Timer Recording Summary. You can do this at any time.

You can now review the settings you have just programmed. To change any settings, repeat steps ∏ through ∫ . You will not be able to change any event that is in progress.

To erase an event, use the Up/Down buttons to highlight the event and press Reset. If the event is in progress, it will immediately stop.

❻ Press Save or Escape to leave the Timer Recording Summary then press Save or Escape again to exit the Main Menu.

≤ Insert a tape into Deck 1, Deck 2, or both, whichever the timer is programmed to record on.

20
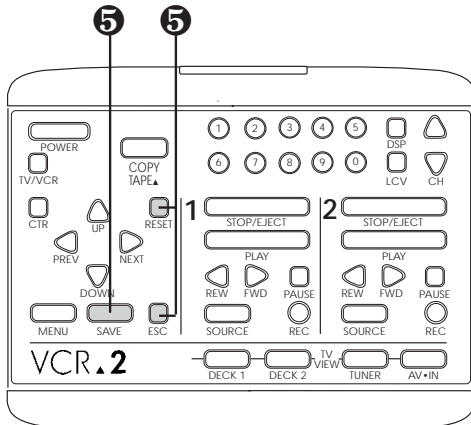
▲ If the timer is correctly programmed, PROG will be lighted on the Front Panel Display.

When the event begins recording, PROG and TIMER will be lighted.

If TIMER is flashing on the Front Panel Display, there is an error. The On-Screen Display will display TIMER RECORD ERROR, and DECK 1 (or DECK 2): TAPE MISSING or TAPE MISSING TAB. Check that there is a tape in the proper deck, and that the record safety tab is intact on the tape.

Your VCR-2 can be turned off once steps ∂ through ≤ are completed. TIMER and PROG will be lighted on the Front Panel Display. Your VCR-2 will automatically turn on when the event begins and will automatically turn off when the event is complete.

If you have a cable converter connected to the In From Cable connector on your VCR-2, as on page 35, you will need to make sure the converter is left ON and set to the proper channel for your Timer Recording.

Press Stop to stop an event that is in progress. The recording will stop and the timer settings will be cleared if the event was a Normal event. Daily and Weekly events will be updated automatically for the next date that was programmed.

If an event is not able to start properly, due to an error or because there is a tape playing in that deck, the event will be held. The On-Screen Display will display HOLDING EVENT and the event number, each minute until either the event is over or the problem is corrected. Any events that are held will stop at their original time.

An asterisk (✷) next to an event number in the Timer Recording Summary indicates the event is currently recording or holding. ▲

Priorities

With the ability to store settings for up to 16 events, your VCR-2 must prioritize the events. If two events require different channels, or the same deck at the same time, priority is given in the following order:

Latest starting time - An event in progress will be interrupted by an event with a later starting time.

Highest event number - If starting times are the same, event 2 has higher priority than event 1, event 3 has priority over 2 or 1, etc.

## Programming from the Remote Control and VCR-2 Front Panel

You can do On-Screen Programming with the Remote Control or the Front Panel. The Numeric buttons on the Remote Control offer the ease of direct entry of menu selections.

If programming from the Front Panel, use Down to highlight your selection. Use Next to change settings or choose the current (highlighted) selection. In the Set Date and Time Menu and Timer Recording Menu, use Next to highlight your selection and Down to change settings.

Main Menu

All other On-Screen Programming menus are accessed through the Main Menu.

∂ Press Menu. The Main Menu will appear on your TV screen.
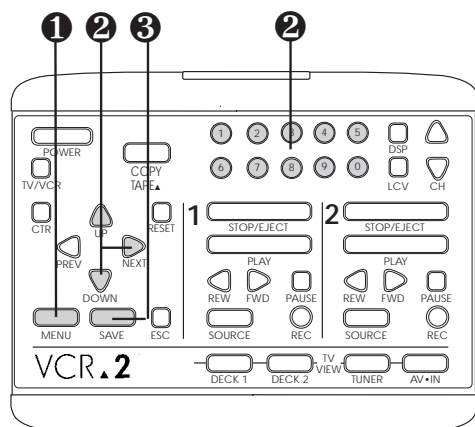
MAIN MENU

```
1▶   VIDEO MENU
2:   AUDIO MENU
3:   SET DATE AND TIME
4:   TIMER RECORDING
5:   CHANNEL/TUNER MENU
```

WHEN OK PUSH SAVE

∑ Press the Numeric buttons to choose your selection (or use the Up/ Down buttons to highlight your selection and press Next to choose it).

The Video Menu is explained on the next page.

The Audio Menu is explained on page 24.

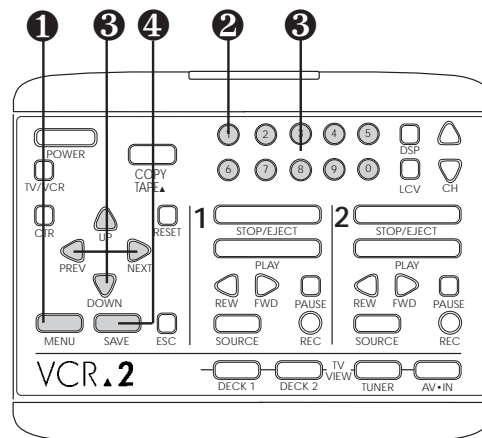Set Date and Time is explained on page 25.

Timer Recording is explained on pages 19 - 21.

The Channel/Tuner Menu is explained on pages 26 - 27.

∏ Press Save or Escape to exit the Main Menu.

∂ **Press Menu. The Main Menu will appear on your TV screen.**

Σ **Press 1 to select Video Menu. The Video Menu will appear on your TV screen.**

MAIN MENU

1▶	VIDEO MENU
2:	AUDIO MENU
3:	SET DATE AND TIME
4:	TIMER RECORDING
5:	CHANNEL/TUNER MENU

WHEN OK PUSH SAVE

∏ **Press the number of any selection to change its setting (or use the Up/ Down buttons to highlight your selection and press Previous or Next to change the setting).**

Set the Recording Speed of Deck 1 or Deck 2. See the note below.

Switch between AmeriChrome Copy™ 1 and AmeriChrome Copy 2. See page 13.

Turn Auto Play on or off. See page 30.

Turn Auto Rewind on or off. See page 30.

Turn Remote Load/Eject on or off. See page 30.

π **Press Save or Escape to return to the Main Menu.**

VIDEO MENU

1▶	DECK 1 SPEED	–	SP
2:	DECK 2 SPEED	–	SP
3:	HQ COPY MODE	–	1
4:	AUTO PLAY	–	ON
5:	AUTO REWIND	–	OFF
6:	REMOTE LOAD/EJECT	–	ON

WHEN OK PUSH SAVE

▲ **Your VCR-2 automatically plays prerecorded tapes at the proper speed. Tapes are recorded at EP (Extended Play) unless you change the recording speed. SP (Standard Play) provides the best picture. LP (Long Play) provides twice the recording time of SP. EP provides three times the recording time of SP and the best effects (still, search, etc.), but the picture quality may not be as sharp.**

The recording speed may be changed during recording to make better use of your tape without interrupting the program. ▲

23

∂ Press Menu. The Main Menu will appear on your TV screen.

∑ Press 2 to select Audio Menu. The Audio Menu will appear on your TV screen.

∏ Press the number of any selection to change its setting (or use the Up/Down buttons to highlight your selection and press Previous or Next to change the setting).

Turn Dolby NR on or off for Deck 1 or Deck 2. See the note below.

Select the Audio Source. See the note below.

π Press Save or Escape to return to the Main Menu.

▲ Dolby NR (Dolby noise reduction) improves sound quality by reducing "tape hiss" during soft passages. We recommend that you turn on Dolby NR if the tape you are playing was recorded with Dolby NR, and turn off Dolby NR if the tape you are playing was not recorded with Dolby NR. When duplicating a tape recorded with Dolby NR, turn off Dolby NR for both decks for the best results.

Audio Source sets the audio output from the VCR-2 tuner: Mono produces monaural sound for all programs. Stereo produces stereo sound if the program is broadcast in stereo, otherwise the sound is mono. SAP produces Second Audio Program sound, usually a second language. All SAP broadcasts are mono. TV + SAP produces normal sound from one speaker and SAP sound from the other. Simul receives mono or stereo audio input from the Audio In connections on your VCR-2 back panel. Use Simul to record Simulcasts (see page 38) or when you have other audio equipment connected to your VCR-2 (see page 37).

When the Audio Source is set to SAP or TV + SAP, SAPSET will be illuminated on the Front Panel Display. When you tune your VCR-2 to a channel with SAP, SAP will light on the Front Panel Display. If SAP or TV + SAP is selected and the transmission does not contain SAP then normal stereo audio will be heard. ▲

MAIN MENU

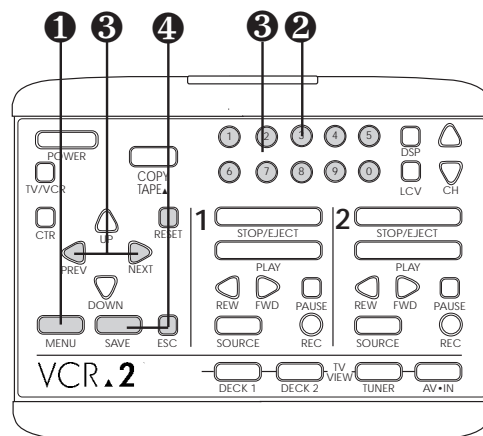|	
1:	VIDEO MENU
2▶	AUDIO MENU
3:	SET DATE AND TIME
4:	TIMER RECORDING
5:	CHANNEL/TUNER MENU

WHEN OK PUSH SAVE

AUDIO MENU

1▶	DECK 1 DOLBY NR	- ON
2:	DECK 2 DOLBY NR	- ON
3:	AUDIO SOURCE	- STEREO

WHEN OK PUSH SAVE

24

You must set your VCR-2 clock and calendar before using Timer Recording. Your VCR-2 will accurately maintain its calendar up to December 31, 2090 once you have set the date and time, unless power is interrupted. The clock must be reset after a power interruption.

∂ Press Menu. The Main Menu will appear on your TV screen.

Σ Press 3 to select Set Date and Time. The Set Date and Time Menu will appear on your TV screen.

▲ From this point, you will not be able to change channels until you return to the Main Menu. ▲

∏ Use Previous and Next to move from one selection to another. Use the Numeric buttons (or the Up/Down buttons) to change the setting for any selection.

Set the Month. January is 01, October is 10, etc.

Set the Year. Enter only the last two digits: 91, 92, 93, etc.

Set the Day.

Set the Hour.

Set the Minute.

Set AM/PM. Use the Up/Down buttons or press 1 for AM, 2 for PM.

▲ If desired, press Reset to return all entries to current time and continue with step ∏. You can do this at any time. ▲

π Press Save to accept your settings and return to the Main Menu. You can do this at any time.
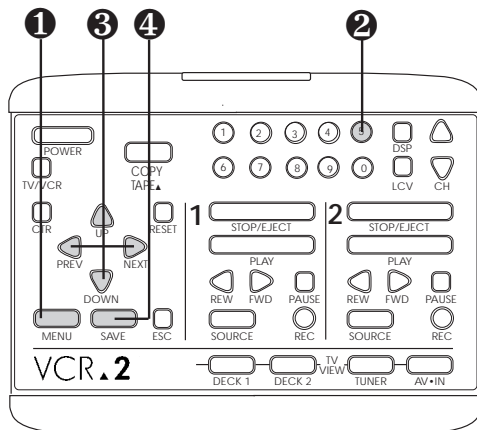
OR

Press Escape to ignore any changes you have made and return to the Main Menu. You can do this at any time.

▲ The current time and day will appear on the Front Panel Display. The current time and date can also be seen on the On-Screen Display.

Use a preceding zero (0) before single digit entries or press Next after the first digit. ▲

MAIN MENU

1:	VIDEO MENU
2:	AUDIO MENU
3▶	SET DATE AND TIME
4:	TIMER RECORDING
5:	CHANNEL/TUNER MENU

WHEN OK PUSH SAVE

SET **MONTH** :

JUNE 1991						1:00 PM
SU	MO	TU	WE	TH	FR	SA
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

WHEN OK PUSH SAVE

25

The Channel/Tuner Menu allows you to select the channels you watch most frequently and save them in Channel Memory. The Channel Up/Down buttons will then select only those channels you have programmed. Other channels can still be selected using the Numeric buttons.

Your VCR-2 keeps two separate memories, one for normal antennas (TV), and one for cable (CATV). This way, if you regularly switch between your antenna and cable, you do not have to reset your Channel Memory.

To change the setting for Antenna Source:

∂ Press Menu. The Main Menu will appear on your TV screen.

MAIN MENU

1:	VIDEO MENU
2:	AUDIO MENU
3:	SET DATE AND TIME
4:	TIMER RECORDING
5▶	CHANNEL/TUNER MENU

WHEN OK PUSH SAVE

Σ Press 5 to select Channel/Tuner Menu. The Channel/Tuner Menu will appear on your TV screen.

∏ Use the Up/Down buttons to highlight Antenna Source.

Press Previous or Next to choose TV, STD CATV, IRC CATV or HRC CATV. Choose the setting that gives you the best picture or call your cable company for the correct CATV setting. If you do not have a cable system, choose TV.

CHANNEL/TUNER MENU

CH 02
▶ ANTENNA SOURCE -   TV
     AUTO PROGRAM
     ADD
     DELETE
     ADD ALL
     DELETE ALL

WHEN OK PUSH SAVE

π Press Save or Escape to return to the Main Menu.

▲ Selecting a different antenna source will also switch to the appropriate Channel Memory. One memory is for TV, the other for STD CATV, IRC CATV, and HRC CATV. Any changes made in one memory will not affect the other. ▲

To automatically program Channel Memory:

① Follow steps ∂ and Σ above.

≠ Use the Up/Down buttons to highlight Auto Program.

③ Press Next to begin Auto Program.

The Auto Program feature scans each channel and assigns those with signals into Channel Memory. The process takes about 60 seconds.

④ Press Save or Escape to return to the Main Menu.

▲ During Auto Program the TV View will be locked on tuner. Any deck operations that would change the TV View (pressing Play for example) are temporarily disabled.

The Auto Program feature will not function while any deck is recording the tuner. ▲

26

To add a channel to Channel Memory:

① Follow steps ∂ and ∑ on the preceding page.

≠ Use the Numeric buttons to select on the VCR-2 the channel you wish to add.

③ Use the Up/Down buttons to highlight Add.

④ Press Next to add the channel.

∞ Press Save or Escape to return to the Main Menu.

To delete a channel from Channel Memory:

① Follow steps ∂ and ∑ on the preceding page.

≠ Use the Numeric buttons (or the Channel Up/Down buttons) to select on the VCR-2 the channel you wish to delete.

③ Use the Up/Down buttons to highlight Delete.

④ Press Next to delete the channel.

∞ Press Save or Escape to return to the Main Menu.

To add all channels to Channel Memory:

① Follow steps ∂ and ∑ on the preceding page.

≠ Use the Up/Down buttons to highlight Add All.

③ Press Next to add all the channels.

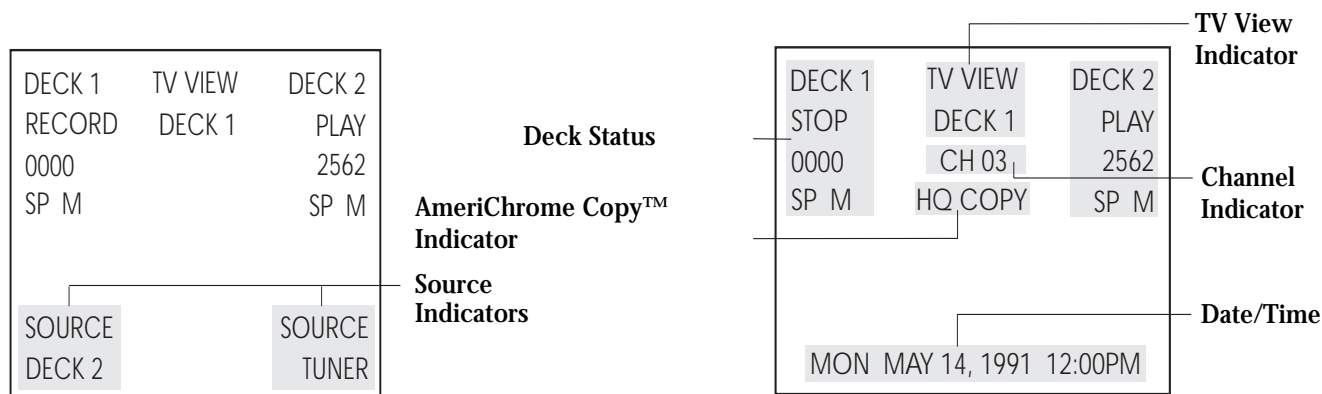④ Press Save or Escape to return to the Main Menu.

Your Channel Up/Down buttons will now select every channel, whether a signal is present or not.

To erase all the channels from Channel Memory:

① Follow steps ∂ and ∑ on the preceding page.

≠ Use the Up/Down buttons to highlight Delete All.

③ Press Next to delete all the channels.

④ Press Save or Escape to return to the Main Menu.

Channel memory will now contain no channels. Your Channel Up/Down buttons will have no effect until channels are added again.

27

```
DECK 1      TV VIEW     DECK 2
RECORD       DECK 1       PLAY
0000                     2562
SP  M                    SP  M



SOURCE                 SOURCE
DECK 2                  TUNER
```

Deck Status

AmeriChrome Copy™ Indicator

Source Indicators

```
DECK 1      TV VIEW     DECK 2
STOP         DECK 1       PLAY
0000         CH 03       2562
SP  M       HQ COPY     SP  M



    MON  MAY 14, 1991  12:00PM
```

TV View Indicator

Channel Indicator

Date/Time

The On-Screen Display (OSD) appears on your TV screen when any button affecting the tape status, channel setting, Copy Tape™, Source, or TV View is pressed. Some parts of the OSD will not appear depending on the current status of your VCR-2. For example, if either deck does not contain a tape, deck status will not appear for that deck.

The OSD can also be displayed by pressing DSP (Display). The first press will display the date and time. The second press will clear the screen. Press a third time to display the source of the deck signals. The OSD will not be recorded by either VCR-2 deck. You can clear the OSD anytime it is on by pressing DSP.

Channel Indicator - Displays the current channel selection for your VCR-2 tuner. Displays SC next to the channel when Simulcast is chosen as the Audio Source.

Deck Status - Displays the tape status: Eject, Stop, Play, Still, Fast FWD, Rewind, FPS and RPS (Picture Scan), Jet FPS and Jet RPS (Jet Search), Pause, Record, Load, or Error. Also displays the current Tape Counter position, the tape speed, and M if the Memory Stop mode is active. OTR and duration are displayed when One-Two Recording™ is in progress.
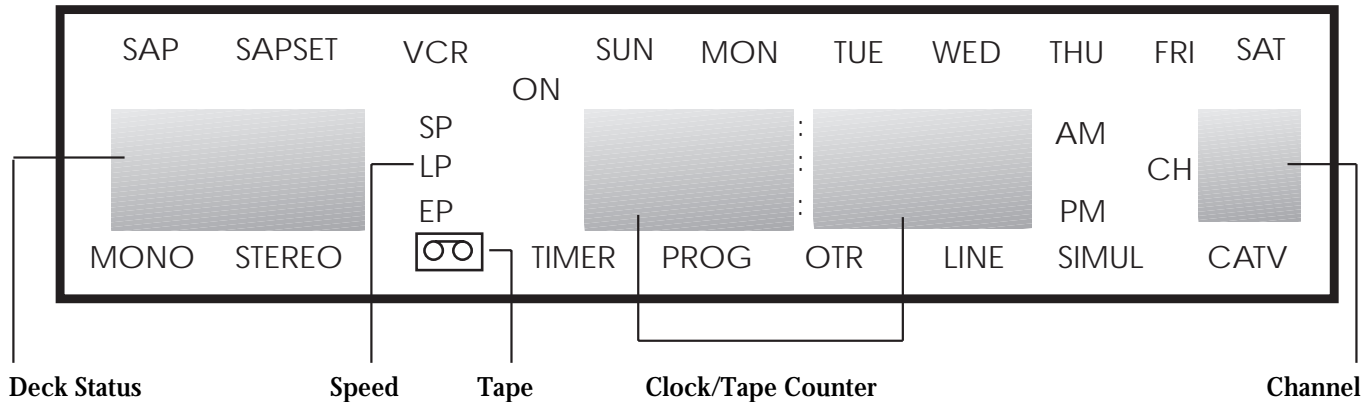
AmeriChrome Copy™ Indicator - Indicates that AmeriChrome Copy duplication is in progress.

Source Indicators - Indicate the source for recording onto Deck 1 and Deck 2. Press the Deck 1 Source button to select AV-IN, Tuner, or Deck 2 (Deck 1 cannot record itself; Deck 2 cannot record itself). Change the Deck 2 Source in the same manner.

If Deck 2 is chosen as the Source for Deck 1, then Deck 1 cannot be selected as Source for Deck 2. The reverse is also true.
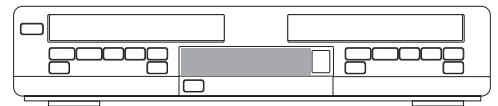
TV View Indicator - Indicates the source of the picture on your TV screen when the TV/VCR button is set to VCR. If TV View is set to Deck 1 or Deck 2 and no tape is playing in that deck, you will instead see that deck's Source. For example, if TV View is set to Deck 1 and no tape is playing in Deck 1, you will see the Deck 1 Source, which may be Deck 2, tuner, or AV-IN.

28

SAP	SAPSET	VCR		SUN	MON	TUE	WED	THU	FRI	SAT

ON

SP
LP
EP

AM

CH

PM

MONO	STEREO		TIMER	PROG	OTR	LINE	SIMUL	CATV

Deck Status   **Speed**   **Tape**   **Clock/Tape Counter**   **Channel**

This illustration shows all the indicators on the Front Panel Display. The indicators will not all be displayed at one time.

The Front Panel Display shows the status for one deck at a time. You can choose the deck that is displayed by pressing Deck 1 or Deck 2 from the Remote Control. There must be a tape in the compartment for that deck's status to display. For your convenience, the On-Screen Display, which appears on your TV screen, shows the status of both decks.

CATV - Indicates that STD CATV, HRC CATV, or IRC CATV has been chosen for Antenna Source.

Channel - Displays the number of the channel being received by the VCR-2 tuner.

Clock/Tape Counter - Displays the present time or Tape Counter number.

Day of Week - Displays the current day.

Deck Status - Displays the present status of the last deck viewed, such as REC when a recording is in progress. Deck Status is blank if that deck does not contain a tape.

LINE - This indicator reserved for future use.

MONO - Indicates that the Audio Source is set to Mono.

ON - Indicates that One-Two Recording™ is in progress.

OTR - Indicates that One-Two Recording is in progress.

PROG - Indicates that a Timer Recording event has been programmed.

SAP - Indicates that a Second Audio Program (SAP) signal is being received.

SAPSET - Indicates that the Audio Source is set to SAP or SAP + TV.

SIMUL - Indicates that the Audio Source is set to Simulcast.

Speed - Displays the present recording or play speed.

STEREO - Indicates that a stereo signal is being received.

Tape - Indicates that a tape is in one or both of the decks.

TIMER - Indicates that a Timer Recording event is in progress, or a Timer Recording event has been set and your VCR-2 is off. Blinks for Timer Record Error.

VCR - Indicates that your VCR-2 is the source of the picture on your TV screen.

The Front Panel Display is located in the center of your VCR-2 Front Panel.

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Auto Features

Your VCR-2 has a number of automatic features that simplify tape viewing.

Auto Play - When a tape with no record safety tab is inserted into either deck, your VCR-2 begins playing the tape. The TV/VCR indicator switches to VCR and the TV View switches to that deck. If a tape is already playing in the other deck, it will continue to play. You can view either deck. You can turn Auto Play on or off, it is preset to OFF. See page 23.

Auto Power Off - While a tape is rewinding or recording a timer event, press the Power button and your VCR-2 will turn off when rewind or event is complete. The Power indicator will blink while this mode is active. Pressing Power or any tape-related button (e.g.: Play, Stop, etc.) will cancel Auto Power Off.

Auto Power On - Power turns on when a tape is inserted into either deck. The TV/VCR indicator switches to VCR.

Auto Rewind - Your VCR-2 will automatically rewind when the end of the tape is reached during play or fast forward. You can turn Auto Rewind on or off, it is preset to ON. See page 23.

Auto Stop - Your VCR-2 will stop if a deck is left in play still or record pause for more than 5 minutes. This prevents damage to the tape.

Memory Stop - If the Counter/Time Display is set to Tape Counter, then when rewinding or fast forwarding, your VCR-2 will stop when 0000 is reached on the Tape Counter. See the next page.

Remote Load/Eject - You can load and eject tapes using your Remote Control. Press Play to load a tape that is in the ejected position. Press Stop/Eject to eject a tape which is stopped. You can turn Remote Load/Eject on or off, it is preset to ON. See page 23.

30

Your VCR-2 Tape Counter allows you to note the location of specific sections of your tapes and find them quickly later. The Tape Counter in your VCR-2 works like those found on audio cassette tape recorders. The Tape Counter counts four times for each revolution of the take-up (right side) reel in the video cassette tape. The Tape Counter will count at different speeds depending on the size of the reels and the position of the tape.

We recommend you reset the Tape Counter each time you insert a tape. Resetting the Tape Counter assures you a consistent reading when you want to write down the Tape Counter position of a specific scene. This is important when preparing notes for editing.

To reset the Tape Counter, insert a tape into either deck, then select that deck using the TV View buttons. Press Reset. The Tape Counter will be reset to 0000 for that deck; the Tape Counter of the other deck will not be affected. To reset the Tape Counter of the other deck, switch TV View to that deck, then press Reset.

The Tape Counter position for both decks can be seen on the On-Screen Display and on the Front Panel Display for the deck that is being viewed. To see the Tape Counter on the Front Panel Display, press Counter/Time Display. Press Counter/Time Display again to see the current time. This must be done separately for each deck.

To set the Memory Stop mode for the last deck viewed, press Reset twice. The first press resets the Tape Counter to 0000 and the second activates Memory Stop. You will see an M below the Tape Counter setting on the OSD. Your VCR-2 will stop at 0000 when rewinding or fast forwarding, if the Front Panel Display is set to Tape Counter for that deck.
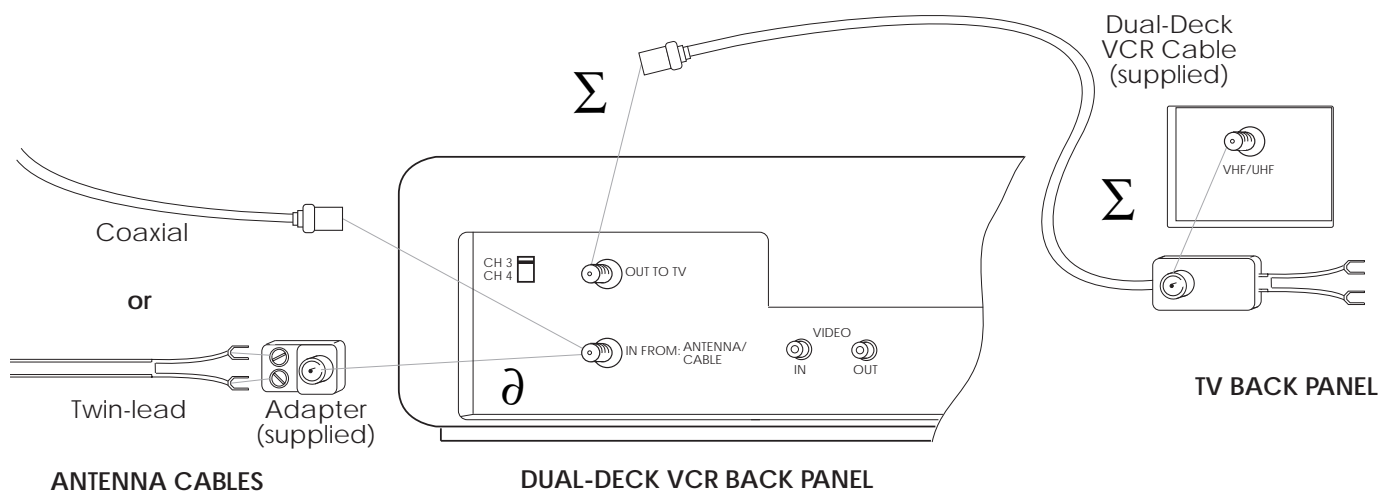
31

Antenna Connections

There are numerous possibilities for connecting your VCR-2, your TV, your antenna or cable system, your other video equipment, and your stereo receiver. To choose an installation that fits your needs and your equipment, follow these steps.

① If you don't have a cable system, see Antenna Connections on this and the next page.

≠ If you have a cable system but have no scrambled channels, use Cable Connection 1, page 34.

③ If you have a cable system with a converter (some or all channels scrambled), use Cable Connection 2 or Cable Connection 3, or consult your cable company for advice on other connections (which may require additional equipment).

Combined VHF/UHF Antennas, VHF only, UHF only

∂ Connect your antenna cable to the In from Antenna/Cable connection (use the supplied adapter if your cable is twin-lead).

∑ A cable is supplied with your VCR-2. Connect the coaxial (round) end of this cable to the Out to TV connection. Connect the other end of the supplied cable to the combined VHF/UHF input on your TV.

Use a VHF/UHF splitter (not included) if your TV has separate VHF and UHF inputs.

Coaxial

or

Twin-lead   Adapter (supplied)

ANTENNA CABLES

CH 3
CH 4   OUT TO TV

IN FROM: ANTENNA/ CABLE   VIDEO
IN   OUT

DUAL-DECK VCR BACK PANEL

Dual-Deck
VCR Cable
(supplied)

VHF/UHF

TV BACK PANEL

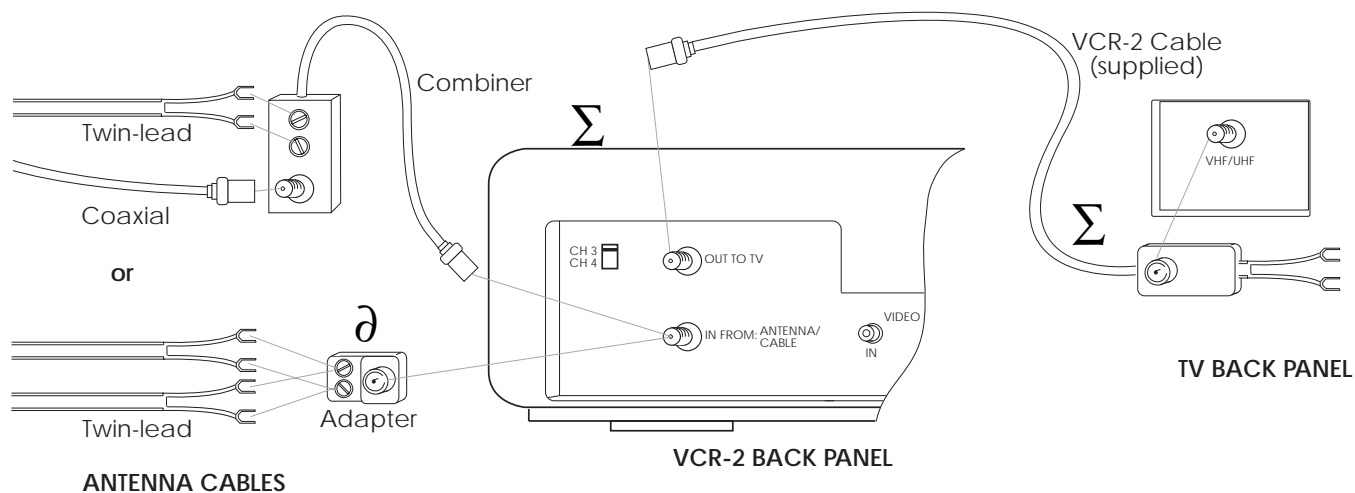## Separate VHF and UHF antennas

∂ **If both antennas have twin-lead cables, connect both to the In from Antenna/Cable connection using the supplied adapter.**

OR

If one antenna cable is coaxial and one is twin-lead, use a VHF/UHF combiner (not included) to connect to the In from Antenna/Cable connection.

$\sum$ **A cable is supplied with your VCR-2. Connect the coaxial (round) end of this cable to the Out to TV connection. Connect the other end of the supplied cable to the combined VHF/UHF input on your TV.**

Use a VHF/UHF splitter (not included) if your TV has separate VHF and UHF inputs.

Twin-lead
Combiner
VCR-2 Cable
(supplied)

VHF/UHF

Coaxial

or

$\sum$

CH 3
CH 4

OUT TO TV

∂

IN FROM: ANTENNA/
CABLE

VIDEO
IN

$\sum$

Twin-lead
Adapter

TV BACK PANEL

ANTENNA CABLES

VCR-2 BACK PANEL

Cable Connection 1

Use this connection if your cable system does not require a converter.

You can record any channel while viewing that channel or any other channel.

Your VCR-2 can be turned off during normal TV viewing.

① **Turn on your TV and VCR-2.**
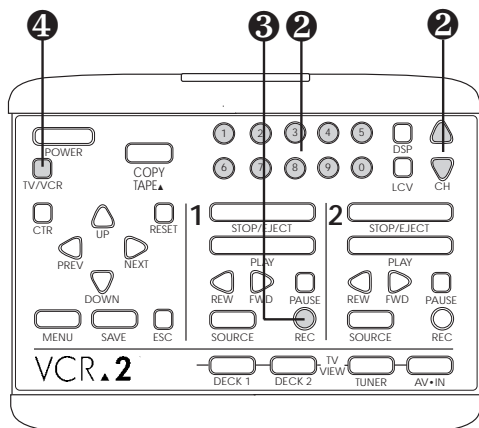
Refer to page 26 to set tuner menu properly.

∑ **Press the Numeric buttons or use the Channel Up/Down buttons to select the channel to view or record.**

To record one channel and view another, follow these additional steps.

∏ **Begin recording the channel you are viewing (see page 14).**

π **Switch your TV/VCR button to TV.**

∞ **Select the viewing channel with your TV channel selector.**
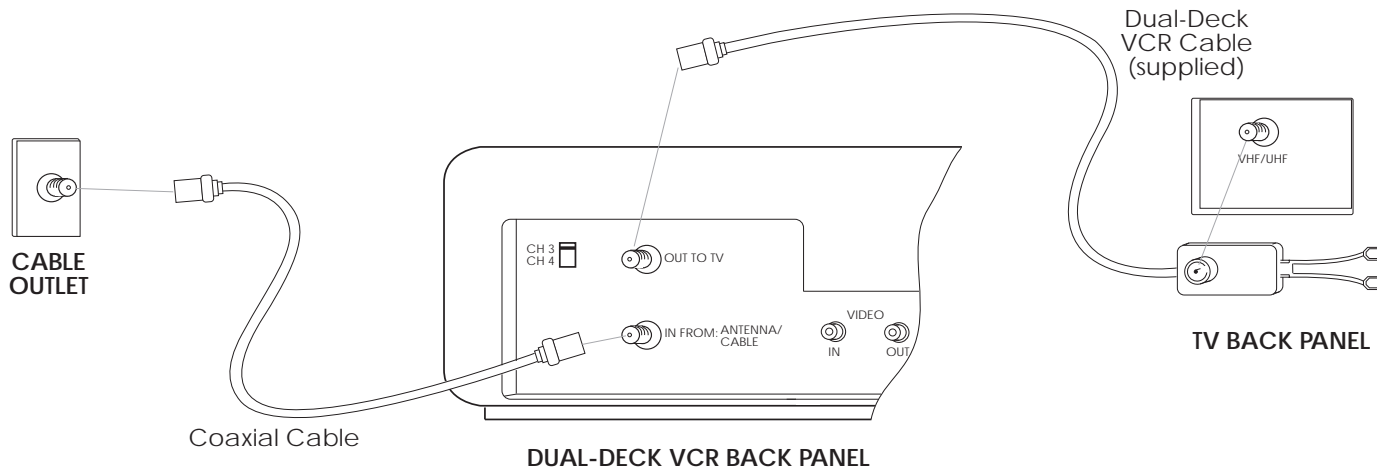
❹ ❸ ❷ ❷

POWER
TV/VCR
COPY TAPE▲
DSP
LCV
CTR
RESET
UP
PREV   NEXT
DOWN
MENU   SAVE   ESC
1 STOP/EJECT   2 STOP/EJECT
PLAY   PLAY
REW FWD PAUSE   REW FWD PAUSE
SOURCE   REC   SOURCE   REC
VCR▲2
DECK 1   DECK 2   TV VIEW   TUNER   AV•IN
CH

Dual-Deck
VCR Cable
(supplied)

VHF/UHF

CABLE
OUTLET

CH 3
CH 4
OUT TO TV

IN FROM: ANTENNA/CABLE

VIDEO
IN   OUT

TV BACK PANEL

Coaxial Cable

DUAL-DECK VCR BACK PANEL

34

You can use this connection if you have a converter with your cable system.

You can record any scrambled or non-scrambled channel and watch that channel.

Your VCR-2 can be turned off during normal TV viewing.

To record and view a scrambled or non-scrambled channel, follow these instructions.

① Turn on your TV, VCR-2, and converter.

≠ Use the Channel Up/Down buttons to set your VCR-2 to channel 2, 3 or 4, whichever is used by your cable system. You may view this channel selection on the Front Panel Display of your VCR-2.

③ Set the VCR-2 back panel switch to either channel 3 or 4, choosing the one that you did *not* use for your cable system (in ≠ above).

④ Set your TV tuner to the same channel used in ③ above.

▲ The above instructions apply when your VCR-2 is on. If you wish to view your cable system when your VCR-2 is off, set your TV tuner to channel 2, 3 or 4, whichever is used by your cable system. ▲

∞ On the cable system converter, select the channel to view or record. Start the recording (page 14). Make sure the converter is left on during the recording.
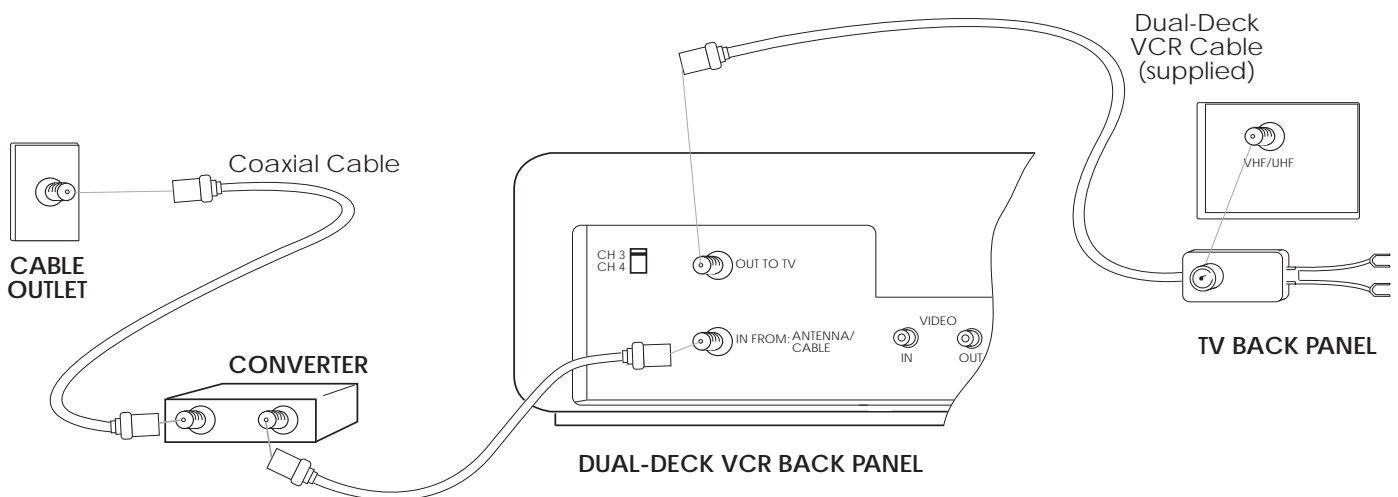
Dual-Deck VCR Cable (supplied)

Coaxial Cable

VHF/UHF

CABLE OUTLET

CH 3
CH 4   OUT TO TV

IN FROM: ANTENNA/ CABLE

VIDEO
IN   OUT

TV BACK PANEL

CONVERTER

DUAL-DECK VCR BACK PANEL

35

You can use this connection if you have a converter with your cable system.

You can:
   view any scrambled or non-scrambled channels.
   record and view any non-scrambled channels.
   record any non-scrambled channels while viewing any other scrambled
      or non-scrambled channels.

Your VCR-2 can be turned off during normal TV viewing.

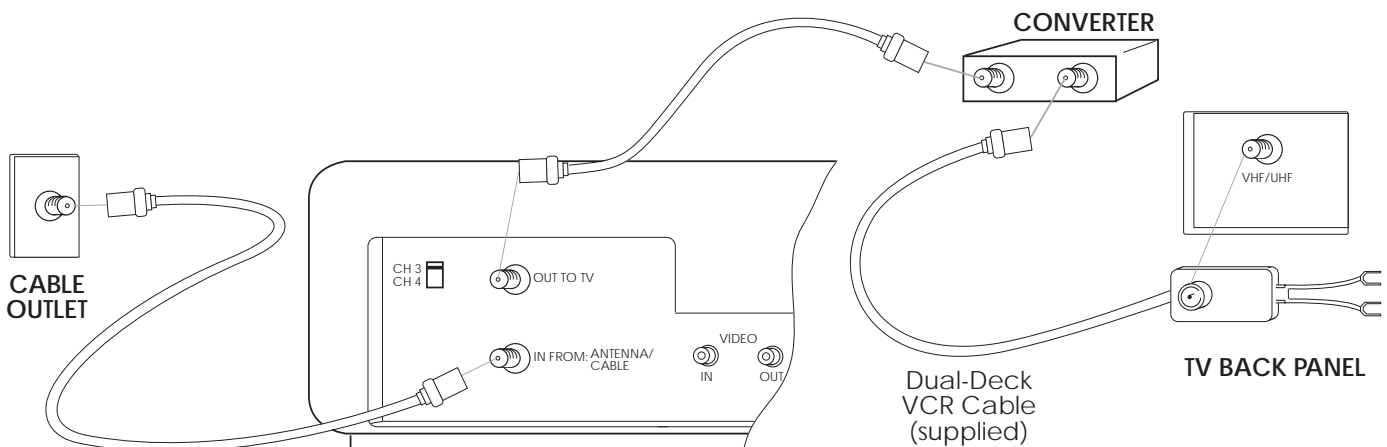To view a scrambled or non-scrambled channel, follow these instructions.

① Turn on your TV and converter. Turn the VCR-2 off or set the TV/VCR
   selector to TV.
≠ Set the TV to channel 2, 3 or 4, whichever is used by your cable system.
③ On the converter, select the channel to view.

To record and view the same non-scrambled channel, follow these instructions.

① Turn on your TV, VCR-2, and converter.
≠ Set the TV to channel 2, 3 or 4, whichever is used by your cable system.
③ Set the TV/VCR selector to TV.
④ On both the VCR-2 and the converter, select the channel to view and
   record. Start the recording (page 14).

To record a non-scrambled channel while viewing any other scrambled or
non-scrambled channel, follow these instructions.

① Turn on your TV, VCR-2, and converter.
≠ Set the TV to channel 2, 3 or 4, whichever is used by your cable system.
③ Set the VCR-2 to the channel to record. Start the recording (page 14).
④ Set the TV/VCR selector to TV.
∞ On the converter, select the channel to view.

CONVERTER

VHF/UHF

CABLE
OUTLET

CH 3
CH 4   OUT TO TV

IN FROM: ANTENNA/
CABLE

VIDEO
IN   OUT

Dual-Deck
VCR Cable
(supplied)

TV BACK PANEL

36 Coaxial Cable

DUAL-DECK VCR BACK PANEL

Connect your video equipment – VCRs, laser disc players, video cameras – to the Video In connection on your VCR-2 back panel. Set TV View to AV-IN to see the video input. If the video equipment has separate audio outputs, connect them to the Audio In connections on your VCR-2 back panel.

TO VIDEO EQUIPMENT
AUDIO OUTPUT

CH 3
CH 4

OUT TO TV

LEFT   RIGHT
AUDIO IN

LEFT   RIGHT
AUDIO OUT

IN FROM: ANTENNA/
CABLE

VIDEO   STILL TRACKING

IN   OUT   DECK 1   DECK 2

TO VIDEO EQUIPMENT
VIDEO OUTPUT

VCR-2 BACK PANEL
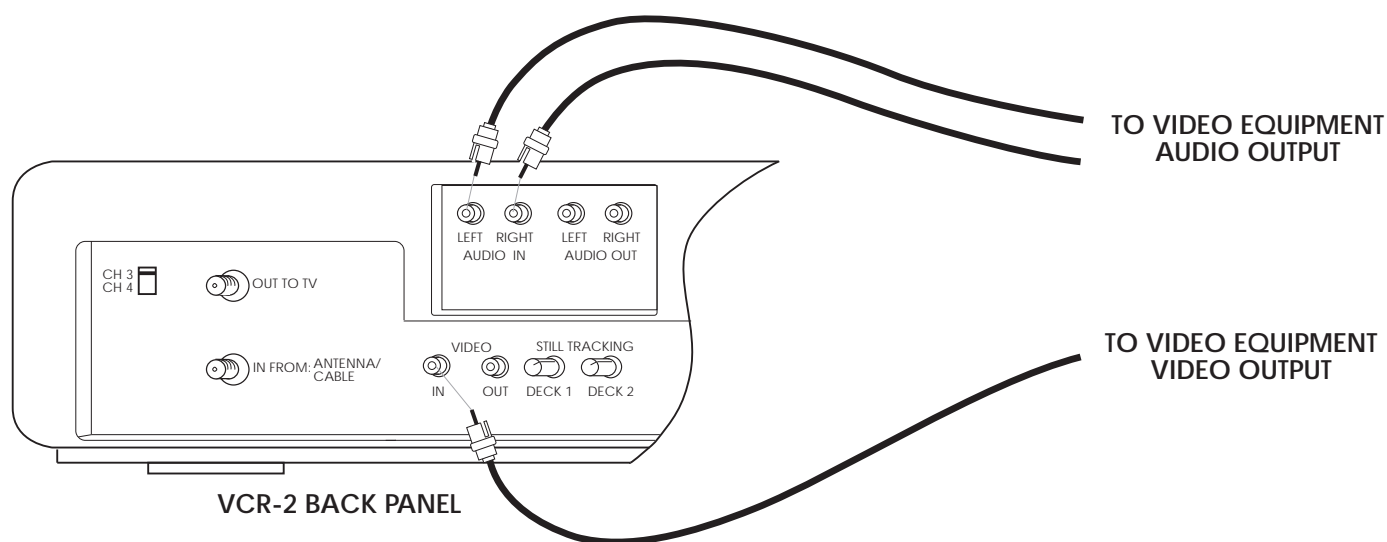
▲ Connect as shown in the figure above to record from external equipment (such as a camcorder). Set camcorder, or similar device, to play. Set the Source to AV-IN and the VCR-2 to Record. This may be done on both decks to make two recordings at the same time. ▲

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The Audio In and Audio Out connections can be used to connect audio equipment to your VCR-2.

Simulcast

This feature allows you to record stereo sound from your stereo amplifier while recording picture from certain TV broadcasts, such as special concerts, MTV Music Television, HBO, CINEMAX, etc.

∂ Connect your stereo amplifier tape output connections to the Audio In connections on your VCR-2 back panel.

≠ Turn on your TV, stereo amplifier, and your VCR-2.

③ Set the Audio Source to Simulcast. See page 24.

④ Select the desired TV channel on the VCR-2. Tune the stereo receiver to the proper frequency to receive the audio transmission.

∞ To record a Simulcast, insert a blank tape into either deck, turn on Dolby NR for the appropriate deck if desired (page 24), and press Record.

Multichannel TV Sound (MTS) Stereo

You can enjoy MTS broadcast stereo by connecting your VCR-2 to your stereo amplifier and speakers. MTS will allow you to enjoy full stereo sound when your Audio Source is set to Stereo or TV + SAP.

∂ Connect the Audio Out connections on your VCR-2 back panel to the play or auxiliary input connections on your stereo amplifier.

≠ Turn on your TV, stereo amplifier, and your VCR-2.

③ Set the Audio Source to Stereo or TV + SAP. See page 24.

④ Select the appropriate input (AUX or TAPE) on your stereo amplifier.

TO STEREO AMPLIFIER
RECORD OUTPUT

∂

TO STEREO AMPLIFIER
PLAY OR AUX INPUT

CH 3
CH 4   OUT TO TV

LEFT   RIGHT   LEFT   RIGHT
AUDIO IN   AUDIO OUT

IN FROM: ANTENNA/
CABLE

VIDEO   STILL TRACKING
IN   OUT   DECK 1   DECK 2

DUAL-DECK VCR BACK PANEL

38
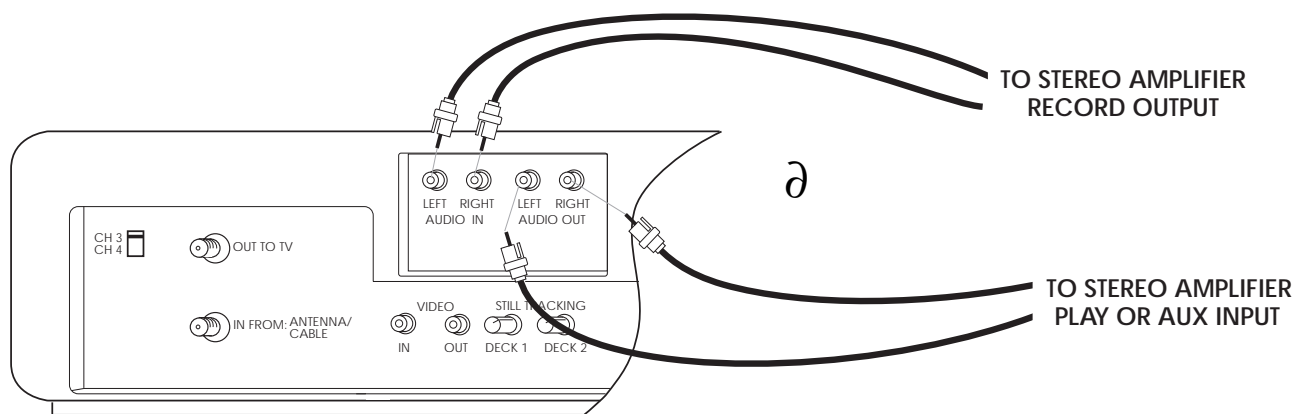
If you have a monitor-style TV, or if your TV has separate video and audio input connections, you can connect your VCR-2 to these connections for improved picture and sound quality.

These connections are used instead of the Out to TV connections shown in Quick Connections, Antenna Connections, and Cable Connections.

▲ To view your VCR-2 on the monitor, it may be necessary to switch the monitor to "Video", "AUX" or "AV-IN". Refer to your monitor's owners manual for instructions.

When this connection style is used, the TV/VCR setting on the VCR-2 has no effect. The monitor will always display the current TV View when it is switched to the VCR-2. ▲

TO TV/MONITOR
AUDIO IN

LEFT   RIGHT   LEFT   RIGHT
AUDIO IN   AUDIO OUT

CH 3
CH 4   OUT TO TV

VIDEO   STILL TRACKING

IN FROM: ANTENNA/
CABLE

VIDEO
IN   OUT   DECK 1   DECK 2

TO TV/MONITOR
VIDEO IN

VCR-2 BACK PANEL

39
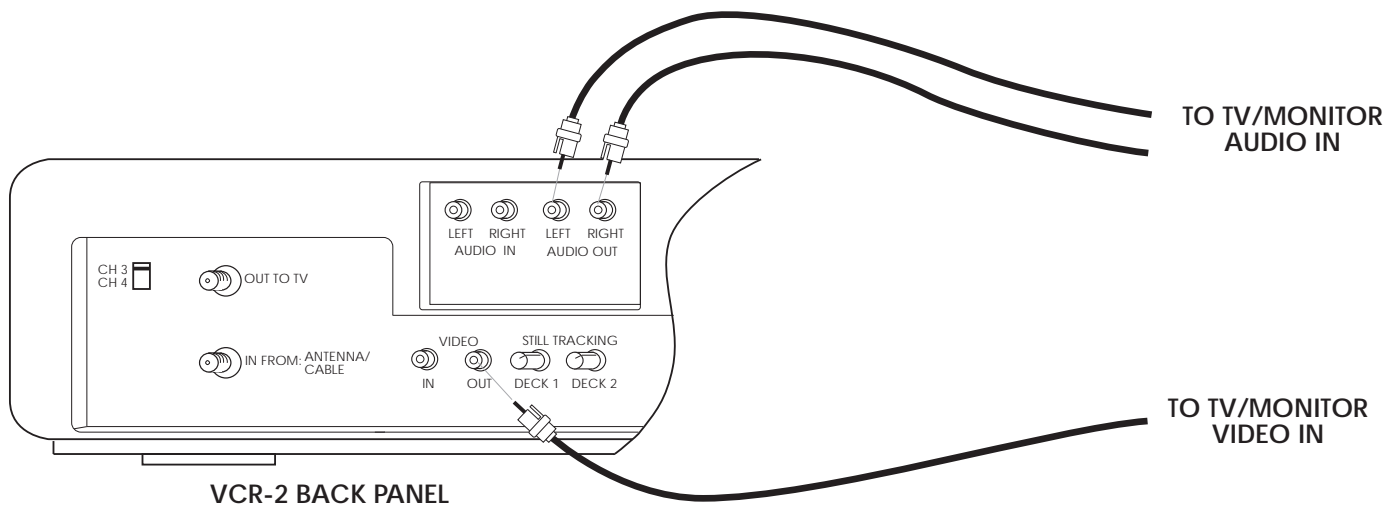
Placement of Your VCR-2
Place your VCR-2 within three feet, but not on top of your TV.
Place your VCR-2 in a horizontal position only.
Do not place your VCR-2 in extremely hot, cold, humid or dusty places.
See page 41 for specifications.
Do not place your VCR-2 near appliances with electric motors.
Do not put anything on top of your VCR-2.
Keep liquids and food away from your VCR-2.

Cleaning the VCR-2 Cabinet
Dust the surface using a soft cloth. Use the dusting attachment of your vacuum occasionally to remove dust from the ventilation holes on the top, back, sides, and bottom of the cabinet.

Cleaning the Video Heads
Playing poor quality or damaged tapes in your VCR-2 can contaminate the video heads. Use only high quality tapes in your VCR-2.

Dirt which accumulates on the video heads may cause the picture to blur. If this happens, the video heads need to be cleaned. Purchase a non-abrasive head cleaning tape from your video dealer. Be sure to follow the instructions that come with the cleaning tape; excessive use of a cleaning tape can shorten head life. Cleaning by any means other than a cleaning tape will void your warranty.

Care of Video Tapes
Do not expose tapes to direct sunlight, extreme heat or extreme cold.
Do not disassemble any cassette. Do not touch the tape.
Rewind tapes after use and store in protective cases.
Remove the record safety tab to prevent recording over previous recordings.

Humidity Requirements
If your VCR-2 is suddenly moved from a cold to a warm place, moisture may form inside the unit. Before operating, allow at least 2 hours after plugging in the power cord for your VCR-2 to dry completely. Failure to do so may cause damage to your VCR-2 and the tape. See page 41 for specifications.

Service and Warranty
Never open your VCR-2 cabinet or touch the inside parts. To do so is dangerous and may cause damage. Do not try to disassemble your VCR-2 – there are no user-serviceable parts inside.

Servicing of your VCR-2 should be done by an authorized service center. For service information, see the inside front cover.

Energy Conservation
Save energy. If you will not be using your VCR-2 for a long period of time, unplug the electrical cord.

Shipping Your VCR-2
Carefully pack your VCR-2 in the original packing materials and carton for shipping.

RECORDING SYSTEM		Rotary, azimuth two-head helical scanning system. Luminance: FM azimuth recording. Color signal: converted sub-carrier phase shift recording.
TELEVISION SYSTEM		NTSC-type color signal EIA Standard (525 lines, 60 fields).
AUDIO TRACK		2 track linear.
TAPE WIDTH		12.7 mm, 1/2 inch.
RECORDING SPEED		SP: 33.35 mm/s, LP: 16.67 mm/s, EP: 11.12 mm/s.
PLAY/RECORD TIME		480 minutes each deck with T-160 used in EP mode, (16 hours total).
FF/REW TIME		Less than 6 minutes with T-120.
HEADS		Video: 2 rotary heads. Audio/Control: 1 stationary head. Erase: 1 full track, 1 audio (dual track).
VIDEO	INPUT:	Video In connection (RCA). 1.0 V p-p, 75 ohms unbalanced.
	OUTPUT:	Video Out connection (RCA). 1.0 V p-p, 75 ohms unbalanced.
	HORIZ RES:	Color/Monochrome: more than 230 lines.
	S/N RATIO:	Better than 43 dB.
AUDIO	INPUT:	Audio In connections (RCA) stereo. -8 dBu, 50 K ohm unbalanced.
	OUTPUT:	Audio Out connections (RCA) stereo. -6 dBu, 10 K ohm unbalanced.
	S/N RATIO:	Better than 40 dB (Dolby NR OFF). Better than 45 dB (Dolby NR ON).
FREQUENCY RESPONSE		SP -6 dB: 100 Hz-10 KHz. LP -6 dB: 100 Hz-7 KHz. EP -6 dB: 100 Hz-5 KHz.
TV TUNER		VHF input Ch 2 - Ch 13. UHF input Ch 14 - Ch 69. Cable Ch 4A to W+58. 75 ohm unbalanced.
RF MODULATION		Channel 3 or 4; 66 dBu. 75 ohm unbalanced.
POWER REQUIREMENT		120V AC, 60 Hz.
ENVIRONMENT		41 - 104 degrees Fahrenheit, 10 - 75 percent humidity.
SIZE		11.8 kg. 514 mm X 107 mm X 420 mm. 26 lbs. 20 1/4" x 4 1/4" x 16 1/2".

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Index

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Troubleshooting

▲ A strong static electricity shock, or other unforeseen circumstance, can cause the control system your VCR-2 to lock up. To reset the control system, unplug the power cord from the wall outlet for 5 seconds and plug it in again. If this does not restore all operations to normal, unplug it again for two minutes. You will then need to reset the clock. If this still does not restore all operations to normal, unplug the cord for two minutes and hold down the Front Panel Reset button while plugging in the cord. This last step will clear all memories (deck speeds, Timer Recordings and Channel Memory) in your VCR-2. If these steps do not correct the problem, the VCR-2 must be serviced by an authorized service center. ▲

TROUBLE	CHECK THIS
No power.	Is the power cord completely plugged into the AC outlet? Page 5. Is the Power button turned on (Power indicator lighted)? Page 7.
Tape cannot be inserted.	Is the tape window facing up and the record safety tab facing you? Page 12. Is there already a tape in the deck?
Tape cannot be removed.	Is the power cord completely plugged into the AC outlet? Page 5.
TV programs cannot be recorded.	Is your VCR-2 properly connected to the external antenna or cable system? Page 5, 32. Is the record safety tab in place on the tape? Page 13. Is your VCR-2 tuned to the correct channel? Page 14. Is the Antenna Source selected on the Channel/Tuner Menu the proper one for your TV system? Page 26.
Timer Recording will not function. "Timer Record Error" message on OSD. TIMER blinking on Front Panel Display.	Are the recording start time and duration correctly set? Page 19. Is there a tape in the proper deck? Page 20. Is the record safety tab in place on the tape? Page 13.
Play picture is bad or missing.	Is your TV tuned to the channel that is selected on the CH 3/CH 4 selector on your VCR-2? Page 5. Is the TV/VCR button set to VCR? Page 7, 9. Is the Tracking control correctly adjusted? Page 12, 7. Is the fine tuning correctly adjusted on your TV?
Remote Control does not operate.	Is the Remote Control aimed directly at your VCR-2? Are there any obstacles between the Remote Control and your VCR-2? Is the Remote Control battery fresh and correctly installed? Is there neon light near the Remote Control? Page 8.
TV programs cannot be viewed.	Is the TV/VCR button set to TV? Page 7, 9.
The tape is ejected when Record is pressed.	Is the record safety tab in place on the tape? Page 13.
Tape does not Auto Play.	Is Auto Play turned on? Page 23. Have you removed the record safety tab from the tape? Page 10.
The blank tape is ejected when Copy Tape™ is pressed.	Is the record safety tab in place on the tape in Deck 2? Page 13.
CLE blinking on Front Panel Display and OSD tape status ERROR message.	Turn your VCR-2 power off, then on again. If this does not correct the problem, refer to the resetting instructions at the top of the page.
Can't turn VCR-2 power off.	Is Timer Recording or Rewind in progress? Page 30, Auto Power Off.
Can't select Timer Recording from Main Menu or "Eeprom Error" message on OSD.	The VCR-2 must be serviced by an authorized service center to restore Timer Recording functions.
Other problems?	Feel free to contact a Go-Video, Inc. field service engineer at (480) 998-3400 for assistance or authorized service center locations.

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For your nearest Go-Video service facility dial (800) 992-8777.

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