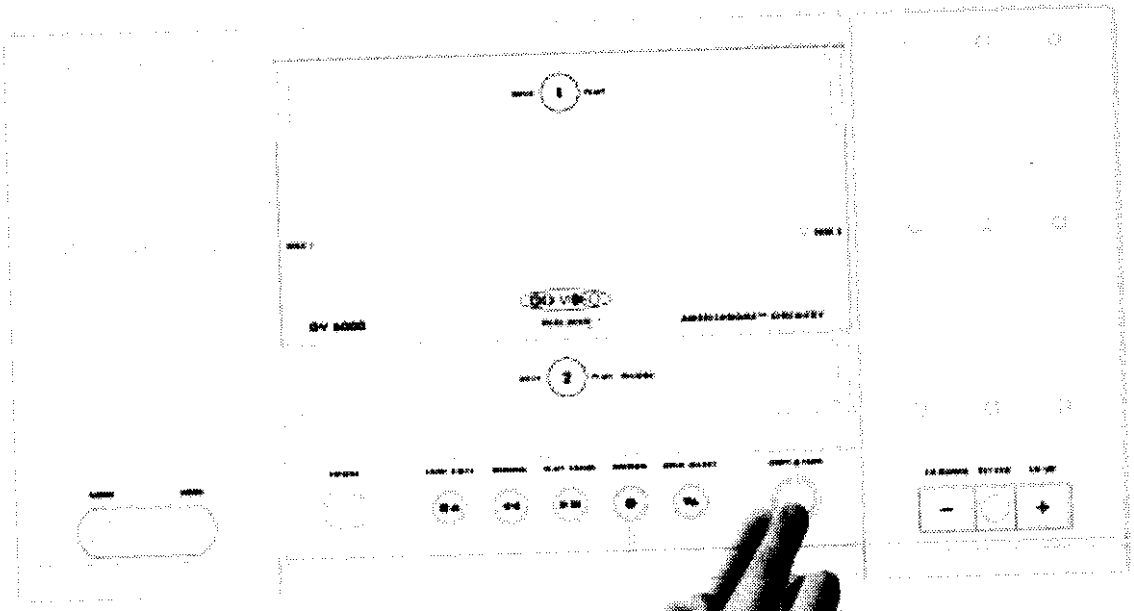
FCC ID : BFYVDD731ANA

GO.VIDEO

DUAL-DECK



USER'S GUIDE

Americhrome™ Ciruitry
One Touch Copy
Auto Assembly Editing
Video Sequencing Playback
& Cable Timer Programming

Manual #206000

Congratulations!

...on your purchase of the Go-Video Dual-Deck VCR.

Record the model number and serial number from the back of your VCR here. Attach your sales receipt and/or a copy of your charge slip for reference.

Model Number: _____

Serial Number: _____

Purchase Date: _____

Note: *It is important that you register your Dual-Deck VCR with Go-Video, Inc. To register your Dual-Deck VCR, complete the warranty registration card and mail it in.*

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 to qualified personnel only. This video cassette recorder should only be used with 120V, 60Hz (standard U.S. household) current.

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).

USER/INSTALLER CAUTION:

Your authority to operate this FCC certified equipment could be voided if you make changes or modifications not expressly approved by the manufacturer, who is responsible for compliance with Part 15 FCC rules.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electronic 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.

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.

To reduce the risk of electric shock, do not remove the unit cover or back. There are no serviceable parts inside. Refer servicing to qualified personnel only.

CUIDADO:

Para prevenir incendio, riesgo de choque, o interferencia enfadosa, use solamente los accesorios recomendados.

Para prevenir electrochoque, no use este enchufe (polarizado) con un cordón de extensión, toma de corriente, o cualquier otra toma a menos que los dientes puedan ser completamente insertados para prevenir exposición de los dientes.

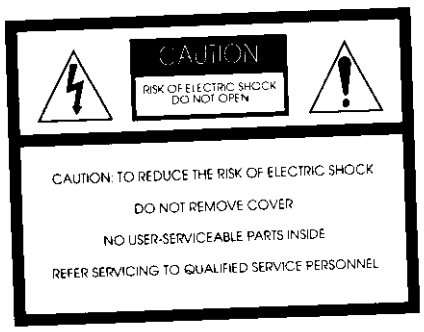
Para reducir el riesgo de descarga eléctrica, no remueva la cubierta o la parte posterior del VCR. Dentro del VCR no hay partes que requieren servicio. Diríjase solamente a personal calificado cuando requiera servicio.

ATTENTION:

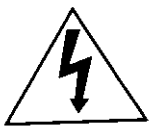
Pour éviter les incendis, risque de chocs, ou interférences fâcheuses, employer seulement les accessoires recommandés.

Pour éviter les chocs électriques, ne pas employer cette prise (polarisée) avec une rallonge, une prise de courant ou une autre sortie de courant à moins que les lames peuvent être insérées à fond pour l'exposition des lames.

Pour réduire les risques de chocs électriques, ne pas retirer le couvercle ou l'arrière du module. Il n'y a pas de pièce utilisable à l'intérieur. Ne faire effectuer l'entretien que par un personnel qualifié.



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 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.

Safety Instructions

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.

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.

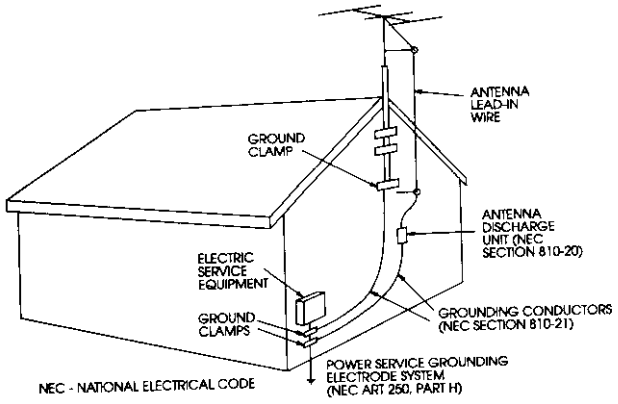
    The 2-wire polarized plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose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

PORTABLE CART WARNING

(Symbol provided by RETAC)

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 below.



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 instructions. 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 those having 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.

22. **HEAT** - This video unit should be situated away from heat sources such as radiators, stoves, or other products (including amplifiers) that produce heat.

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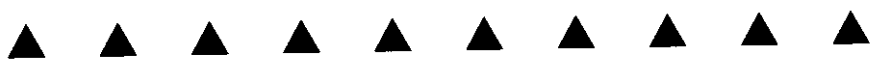


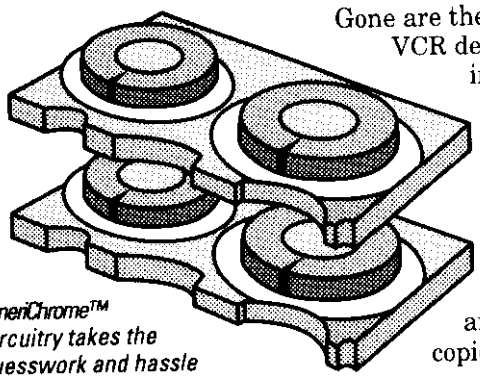
Discover the Dual-Deck™ Difference

Welcome to the Go-Video family! It is our pleasure to congratulate you as a new owner of the Dual-Deck VCR, quite possibly the most versatile VCR ever made. No other VCR allows you to:

- Copy a tape at the touch of a button
- Watch a tape while recording a favorite program
- Play two tapes consecutively or in a continuous loop.

The Dual-Deck VCR does all these things and *much more!*

Make Picture Perfect Copies at the Touch of a Button



AmeriChrome™ Circuitry takes the guesswork and hassle out of copying videos.

Gone are the days of tangled clumsy cables between two VCR decks. Gone is the loss of picture quality from intervening cables that degrade the signal. Gone is the flutter, roll and flashing from bad copies.

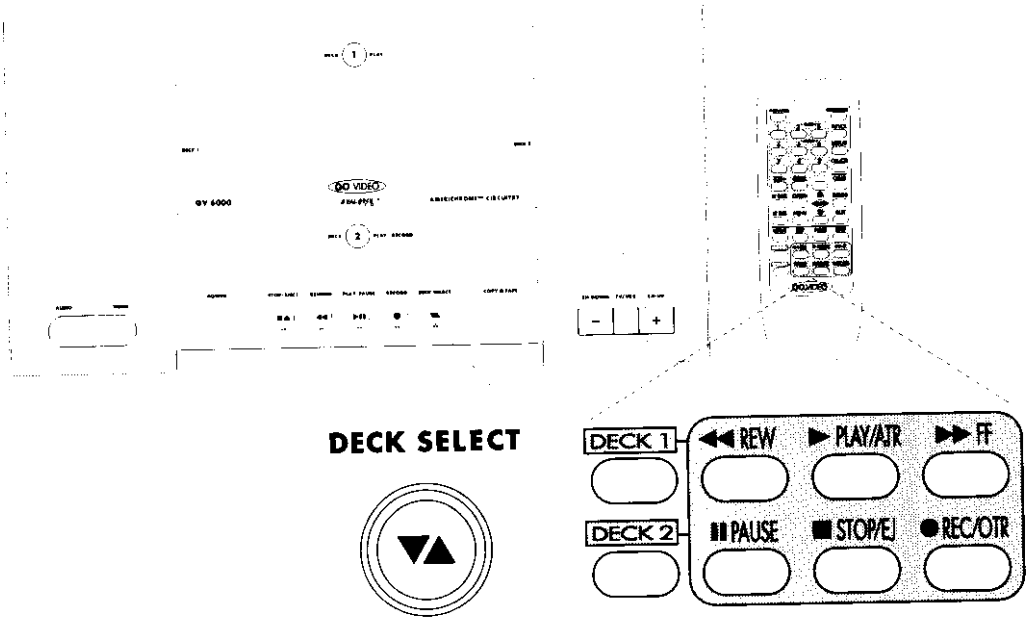
Go-Video provides you with a simple solution to quality copies of virtually any video source. Both decks communicate with one another by means of a behind-the-scenes marvel known as AmeriChrome™ circuitry. As the video signal is processed, the recording heads on both decks are synchronized resulting in picture-perfect copies every time.

Two Decks, One Set of Controls

With one remote control for both decks, operating your Dual-Deck VCR couldn't be easier. Just press the Deck 1 or Deck 2 buttons on the remote control or the Deck Select button on the front panel to switch control back and forth between decks (see diagram next page).

Deck Select Diagram

A red LED on the front panel indicates Deck 2 is selected; a green LED indicates Deck 1 is selected.



Dual-Deck Feature Summary

The following are just a few of the many features you will enjoy with your Dual-Deck VCR:

- Quality Copies of Any Video at the Touch of a Button
- Eight-Scene Automatic Assembly Editing
- Patented AmeriChrome Circuitry
- Automatic Power Off when Rewinding, Timer Recording, One-Touch Recording, Copying Tapes, and using EZ-Copy
- Automatic Display Dimmer, Play, Power On, Power Off, Rewind, Stop and Remote Eject
- One Month 8 Event Timer Recording
- Complete Program Record to Ensure You Never Miss the End of a Timer Recording
- Real Time Counter in Hours, Minutes and Seconds
- Blank Search Feature for Easy Location of Blank Tape for Recording
- Direct Time Search to Find Any Point on a Tape
- Child Lock to Disable Front Panel Buttons
- On-Screen Programming in Three Languages (English, French & Spanish)

CHAPTER 1

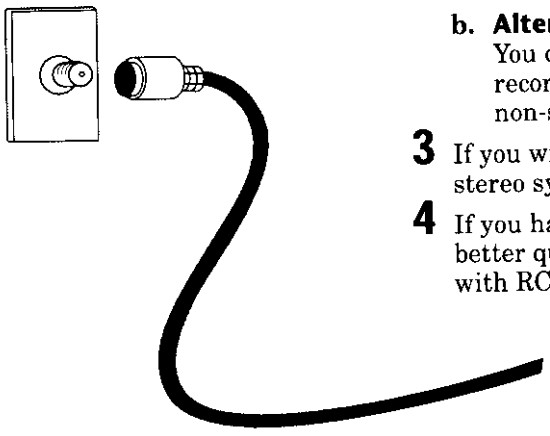
Connecting Your Dual-Deck VCR

This chapter will walk you through the necessary steps to hook up your VCR. Your Dual-Deck VCR connects to your TV and antenna in exactly the same way as any other VCR. If you already own a VCR, take a few minutes to note how it is hooked up. Then simply swap the Dual-Deck with your old VCR using the same settings and connections.

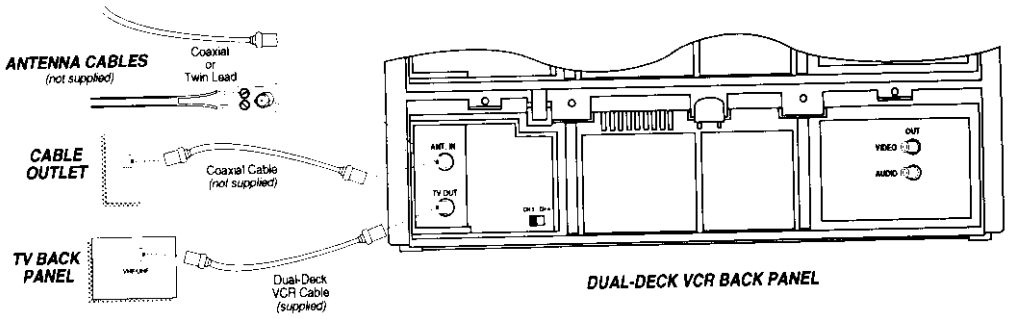
Choosing the Right Hookup

Choose the appropriate hookup from the following list:

1. If you are connecting your Dual-Deck VCR to a basic antenna or cable system, use the **Basic Antenna/ Cable Hookup** on page 8.
2. If you have a cable system with a converter box (some or all channels are scrambled or premium), you have two choices:
   a. **Cable Converter Box Hookup** - *Pro*: You can watch and record any cable channel to which you subscribe. *Con*: You cannot watch a second channel while you are recording a cable channel. See page 39.
   b. **Alternative Cable Converter Box Hookup** - *Pro*: You can watch a second channel while you are recording a TV program. *Con*: You can only record non-scrambled channels. See page 40.
3. If you wish to listen to your TV and VCR through your stereo system, see **Audio Connections** on page 42.
4. If you have a TV with audio/video input jacks and desire better quality, you can connect your VCR to your TV with RCA cables. See **Monitor Connections** on page 43.
5. If you wish to connect your Dual-Deck VCR to another VCR, laser disc player, DVD player, video camera, camcorder, satellite receiver or video game, see **Connecting Other Video Equipment** on page 44.



Basic Antenna/Cable Hookup



1 **Connect the Antenna/Cable to the VCR** - Disconnect the antenna or cable from your TV and connect it to the ANT. IN jack on the back of your VCR. If your antenna cable is twin-lead, you will need to purchase an adapter, available at your local electronics store.

2 **Connect the VCR to Your TV** - Attach the supplied RF Coaxial Cable from the TV OUT connection on the back of the VCR to the VHF IN or CABLE IN connection on the back of your TV.

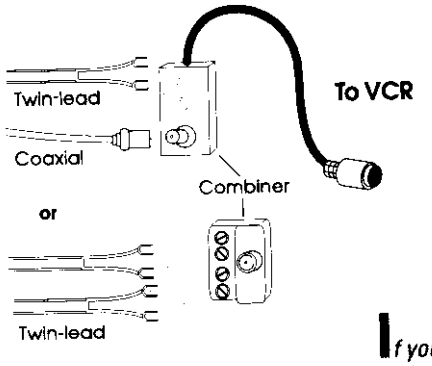
3 **Set the channel** on the back of your VCR to 3 or 4 (whichever is not being used by a local TV broadcast).

4 **Turn on the power** for your VCR and your TV.

5 **Tune your TV** to channel 3 or 4 (whichever you set as the output channel in step 3).

6 **Connection is complete!** Turn to Chapter 2 to familiarize yourself with the location of your Dual-Deck controls, or turn to Chapter 3 for Initial Settings.

If you have separate VHF and UHF antennas you will need to purchase a combiner, available at your local electronics store.

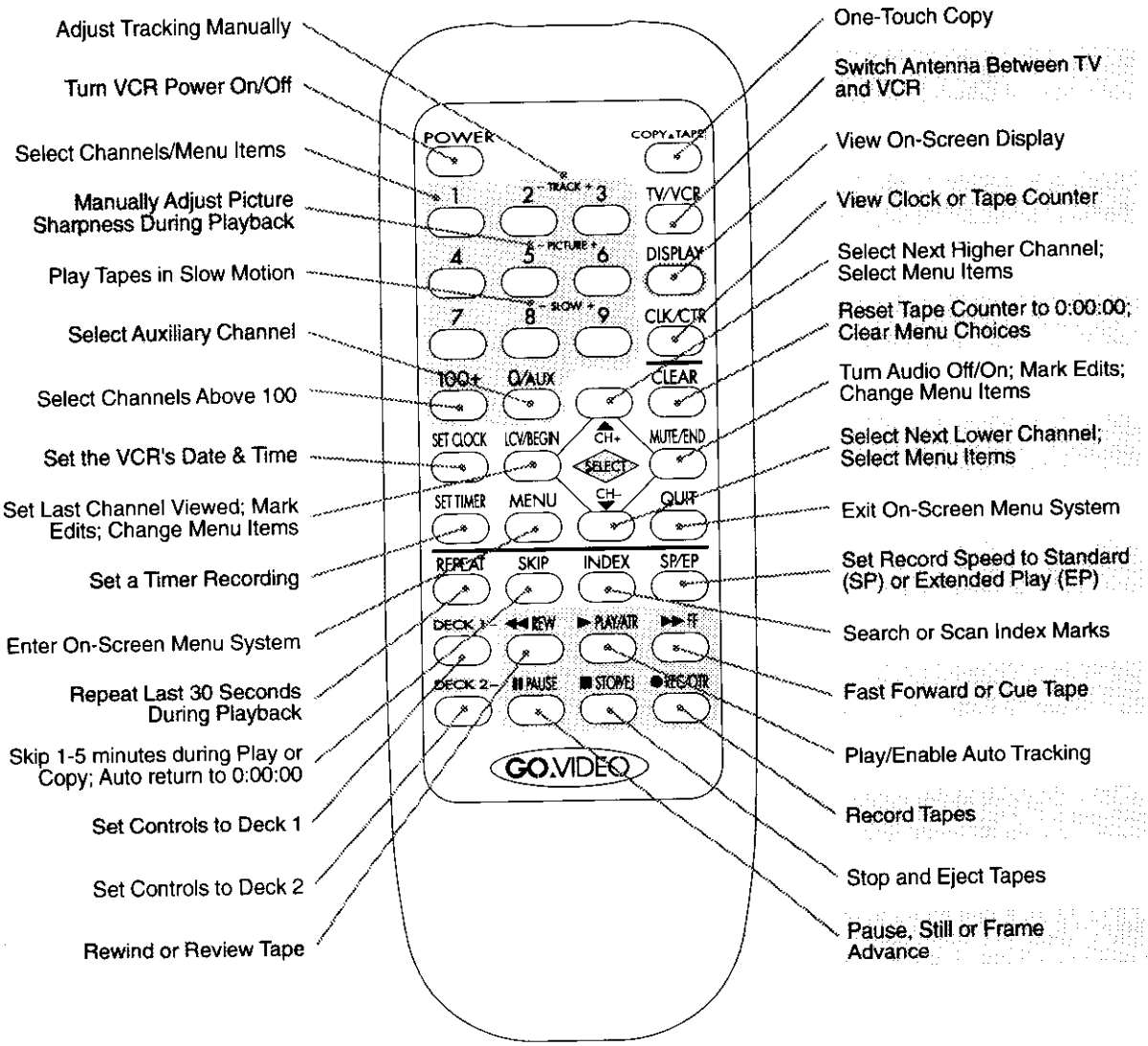


If your TV has separate video and audio input connections, you will achieve best results by using the Monitor Connections hookup on page 43.

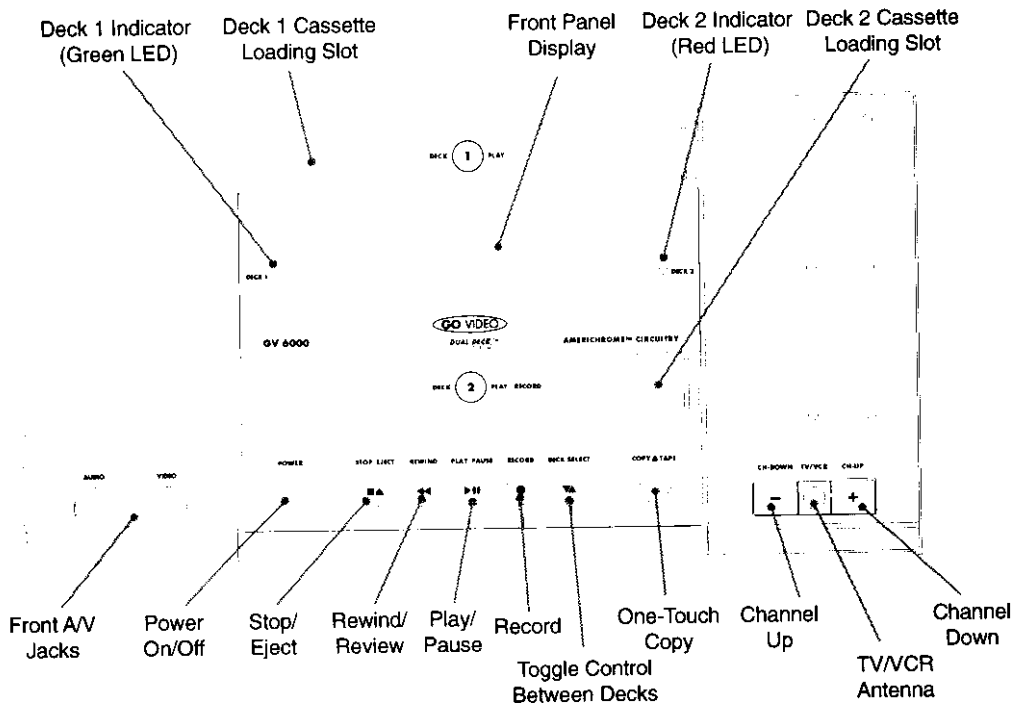
CHAPTER 2

The Dual-Deck System™

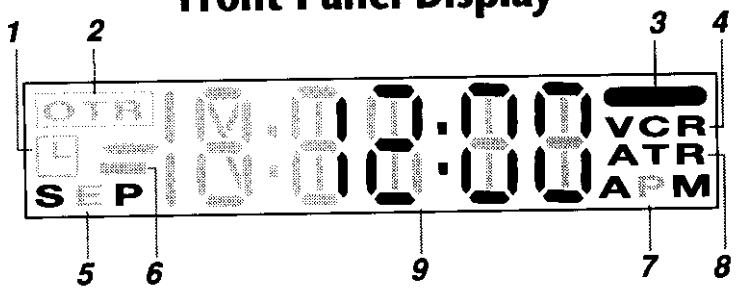
Remote Control Buttons



Front Panel Buttons and Indicators



Front Panel Display



1 Timer Record
On if Timer Recording is programmed; blinks if Timer Record Error, see p. 30

2 One Touch Record
On if One Touch Recording, see p. 26

3 Power Indicator
Blinks when VCR is in Auto Power Off mode, see p. 14

4 VCR
On in VCR mode; Off in TV mode, as selected using TV/VCR button

5 Tape Speed
SP is Standard Play
LP is Long Play
EP is Extended Play

6 Record Indicator
On during Recording,Timer Recording and One Touch Recording

7 AM/PM
Shows whether current Time is AM or PM

8 Auto Tracking
Blinks during Auto Tracking; on during playback unless tracking is adjusted manually, see p. 23

9 Counter/Clock
Multi-Function Display with:

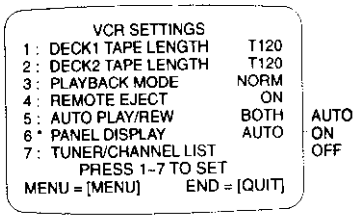
Deck Status
See Table on p.11

Channel Number
Displays the selected Channel

Clock/Counter
Press CLK/CTR on remote control to switch between Clock and Tape Counter

Deck Status Indicators

EJECT	Tape is Ejecting	*SLOW*	Deck is in Slow Motion
STOP	Deck is Stopped	*COPY*	Start of Copy Session
FF	Deck is Fast Forwarding	*End*	End of Copy Session
REW	Deck is Rewinding	*1-2*	Deck is in Sequential Play
REC	Deck is Recording	*LOOP*	Deck is in Loop Play mode
PAUSE	Deck is in Record Pause	*PIC#*	Manual Picture Sharpness is Active (# from -8 to 8)
PLAY	Deck is Playing	*On*	Power Button has Turned VCR On
CUE	Deck is in Forward Picture Search (blinking=Jet Search)	*OFF*	Power Button has Turned VCR Off
REVEW	Deck is in Reverse Picture Search (blinking=Jet Search)	*Error*	An Error has Occurred
STILL	Deck is in Play Still		



Adjust the Front Panel Display to Auto, On or Off.

Front Panel Display Settings

You can set the Front Panel Display to dim or turn off in the VCR SETTINGS menu.

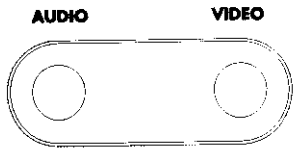
1. Press the MENU button to display the MAIN MENU.
2. Press "2" to select VCR SETTINGS.
3. Press "6" repeatedly to set PANEL DISPLAY to:

Auto - Set the Front Panel Display to be lit when the VCR is on, and dim when the VCR is off.

On- Set the Front Panel Display to be lit at all times.

Off- Turn the Front Panel Display off.

Front Audio/Video Inputs



Front Audio/Video Inputs

Your Dual-Deck VCR has front Audio/Video inputs which allow you to play and record from a variety of accessories. The inputs includes 2 jacks for use with RCA cables:

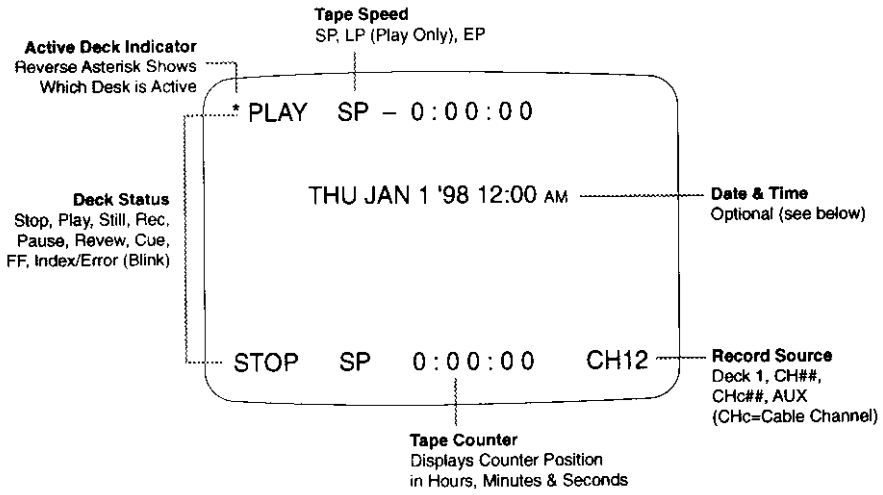
1. Video Jack (yellow)
2. Audio Jack (white)

The A/V inputs are ideal for connecting accessories, including camcorders, video games, satellite receivers, laser disc players or DVD players (see page 44 for instructions on connecting additional equipment). Before you play or record from the A/V Inputs, remember to set the channel to "00" (AUX).

On-Screen Display

The On-Screen Display (OSD) is a transparent screen that shows you information about the status of your Dual-Deck VCR. The OSD appears on your screen automatically when you turn on the power, press a deck function key (such as Play, Rewind, etc.), or change channels. It will disappear automatically after a few seconds.

Below is an overview of the On-Screen Display:



OSD Options

To bring up the OSD manually, use the DISPLAY key on the remote control:

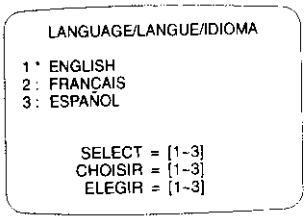
1. Press DISPLAY to bring up the OSD.
2. Press DISPLAY again to turn the OSD off.
3. Press DISPLAY again to bring up the OSD with added Date and Time information.
4. Press DISPLAY again to turn the OSD off.
5. Repeat this process as necessary to view the desired information.

The On-Screen Display also shows:

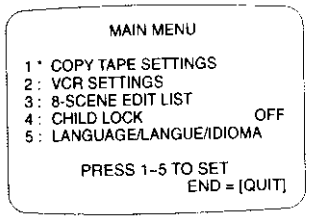
- Audio messages (Mute)
- Copy Tape messages
- Timer Record Error messages
- Index System mes-

On-Screen Menu System

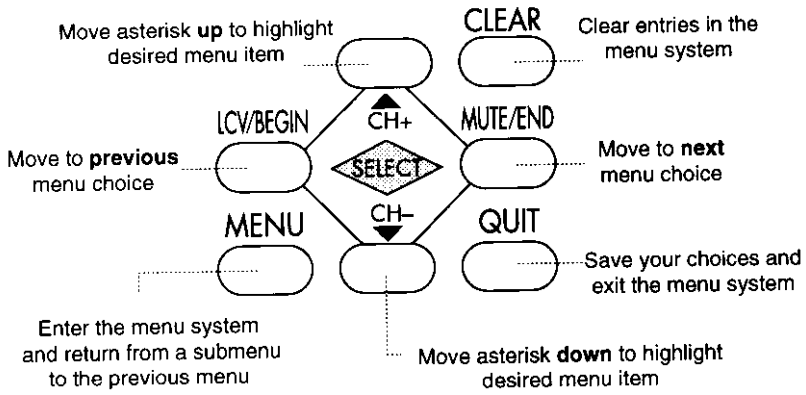
The On-Screen Menu System allows you to program all the features of your Dual-Deck VCR. To navigate the On-Screen Menu System, you may use the numeric keys or Select keys on your remote control. In all menus, the selected item is indicated by an asterisk (*) to the left of the item. The asterisk moves from menu item to menu item as you press the selection keys, as shown below:

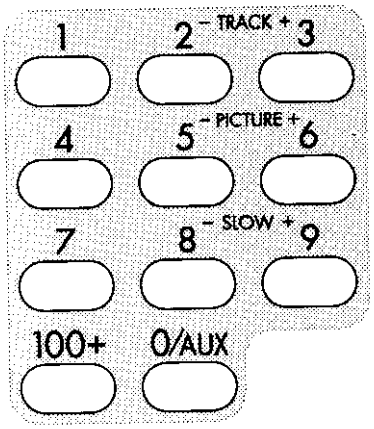


The first time you press MENU (from a cold start) the Set Language menu will appear.



After Initial Setup (see Chapter 3), when you press MENU the Dual-Deck VCR Main menu will appear.





Press the number buttons to select menu items and cycle through menu choices (this is the method used throughout this manual.)

For a detailed overview of the entire menu system, please refer to the inside back cover of this User's Guide.

Summary of Automatic Features

For your convenience, the Dual-Deck VCR comes with a variety of automatic features:

Auto Power On

Power turns on automatically when a tape is inserted into either deck or when a Timer Recording starts.

Auto Power Off

If you press POWER while Rewinding, Copying, Timer Recording, One-Touch Recording or using EZ-Copy, the VCR will power off automatically when that function is completed. The POWER button will blink to indicate that Auto Power Off is activated. To deactivate Auto Power Off, press POWER again.

Auto Play

When a tape without a record safety tab is inserted into either deck, your Dual-Deck VCR will play the tape automatically. To set Auto Play see page 21.

Auto Rewind

Your Dual-Deck VCR will automatically rewind when the end of the tape is reached while playing, fast forwarding or recording. To set Auto Rewind see page 21.

Notes:
- During Loop Record, the tape will always rewind automatically.
- During Timer Record, the tape will never Auto Rewind (to prevent accidental erasure by another Timer Event).

Auto Stop

The VCR will stop automatically if a deck is left in Play Still or Record Pause for more than 5 minutes. This prevents excessive wear on the videotape.

Auto Tracking

Digital Auto Tracking is used to adjust tracking automatically and typically executes in under four seconds.

Auto Dimmer

The Dual-Deck VCR front panel display will dim automatically when the power is turned off. To set Auto Dimmer see page 11.

Remote Eject

Remote Eject allows you to eject tapes with your remote control by pressing the STOP key twice. To set Remote Eject see page 24.

Initial Settings

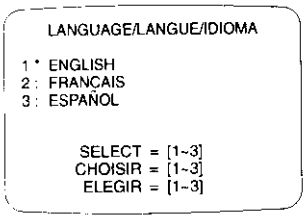
Initial Settings

Before you begin using your Dual-Deck VCR, you must adjust three initial settings:

- Language (English, French or Spanish)
- Time and Date
- Antenna and Channel Memory

Setting the Language

The first time you press MENU after hooking up your VCR or after a power failure, you will automatically see the green Set Language menu.

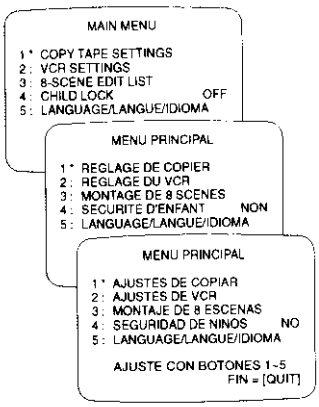


Select English, French or Spanish for the On-Screen Menu System.

Press the number button corresponding to your desired language ("1" for English, "2" for French, "3" for Spanish). After you have made your selection, the Set Clock menu will appear automatically (see page 16).

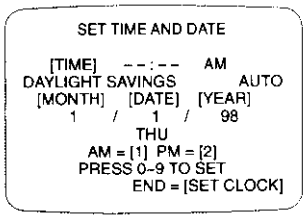
To change the language at any other time, follow these steps.

1. Press MENU to display the MAIN MENU.
2. Press "5" repeatedly to switch the menu language between English, French and Spanish.
3. Press MENU or QUIT to save your selection and exit the menu system.



To change the language at any time select option "5" on the Main Menu.

If you select French or Spanish accidentally, you can reset the display to English automatically by unplugging the VCR for at least 60 seconds.



It is important to set the Dual-Deck VCR's internal clock to ensure accuracy on Timer Recordings.

Setting the Clock the First Time

After you set the language for the first time, the SET TIME AND DATE menu will appear automatically.

1 Press the number buttons to enter information as you are prompted by the blinking cursor. If you don't need to change the information for a particular item, press the right selection arrow to move to the next item.

Set Hour (1-12) Enter only the hour. For example, if the time is 4:28, the hour is "04".

Set Minute (0-60) Enter only the minute. For example, if the time is 4:28, the minute is "28".

Set AM/PM (1-2) Enter "1" for AM or "2" for PM.

Set Daylight Savings Time (1-2) Enter "1" for AUTO or "2" for OFF. AUTO will automatically add one hour at 2:00 AM on the first Sunday in April ("Spring forward") and subtract one hour at 2:00 AM on the last Sunday in October ("Fall back").

Set Month (1-12) January is "01", October is "10", etc.

Set Date (1-31) Enter today's date. For example, if today is the fourth, enter "04".

Set Year (0-99) Enter only the last two digits. For example "98" for "1998".

2 If you need to go back and change anything, press the right or left selection arrows until you get to the item.

3 Press "Set Clock" to save the Time and Date setting and automatically open the TUNER/CHANNEL LIST menu.

Setting the Clock Any Other Time

To set the clock at any other time, follow these steps:

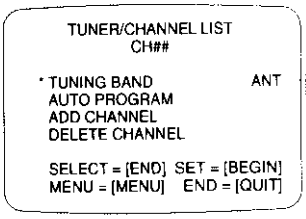
1 Press "Set Clock" on the remote control to bring up the SET TIME AND DATE menu.

2 Enter the information as you are prompted by the blinking cursor (see details above).

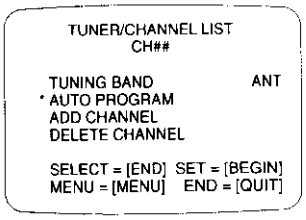
3 Press "Set Clock" or [QUIT] to save and exit the menu system.

Note: If you change the Time and Date accidentally, press [CLEAR] to restore the original clock settings, then press [QUIT] to exit.

Setting Antenna & Channel Memory



Set the Tuning Band to Antenna or Cable.



Activate Auto Program to enter all available channels into memory.

After you set the language and clock for the first time, the TUNER/CHANNEL LIST menu will appear automatically (skip to step 4). To set Antenna and Channel Memory any other time, follow each of these steps:

1. Press MENU to display the MAIN MENU.
2. Press "2" to select VCR SETTINGS.
3. Press "7" to select TUNER/CHANNEL LIST.

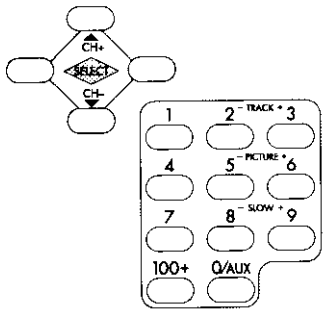
Note: Menu keys work differently on this screen because the CH UP/DOWN keys are needed to change stations. Use the right arrow ("End") to move up and down the menu list; use the left arrow ("Begin") to make your selections.

4. Press the left arrow to set the ANTENNA SOURCE to either Antenna or Cable.
5. Press the right arrow to move the cursor to AUTO PROGRAM.
6. Press the left arrow to begin Auto Program. The VCR will cycle through all possible TV or cable channels and automatically place the channels you receive into Channel Memory. This will take a few minutes to complete.
7. Press QUIT to exit the menu system or MENU to return to the VCR SETTINGS menu.

If you are using a cable converter box, you will need to set your VCR's tuner channel to receive only the cable converter box output channel (see p.39).

Basic Tuner Settings

Channel Selection



You can change channels with the Channel Up/Down buttons or directly with the number keys.

- Tuning with the Channel Up/Down Buttons

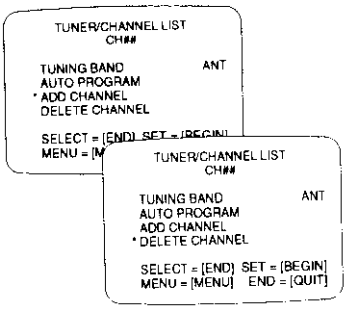
Press the CH+/CH– buttons on the remote control or on the Dual-Deck VCR's front panel to tune in the desired channel.

- Tuning with the Number Buttons

For channels 1 through 9, press "0" then press the corresponding number button (1-9). If you are tuning to a channel higher than 100, press 100+ and then enter the last two digits.

- Selecting AUX (Auxiliary) position

You can select Aux by pressing "00" on your remote control. When you select Aux, you will see the input (if any) from additional video equipment connected to your Front Audio/ Video inputs.

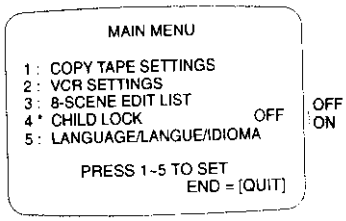


You can manually Add and Delete Channels in the Tuner/ Channel List menu.

Adding or Deleting Channels

You must run AUTO PROGRAM before you can manually add or delete channels. To add or delete channels manually:

1. From the TUNER/CHANNEL LIST menu, press the number keys or CH+/– keys to tune in the desired channel.
2. Press right arrow button to move the selection arrow to Add Channel or Delete Channel.
3. Press the left arrow button to add or delete the selected channel.



Turn Child Lock on to disable Auto Play and the front panel keys.

Child Lock

Your Dual-Deck VCR comes with a Child Lock safety feature that disables Auto Play and all buttons on the VCR front panel. You will still be able to operate all Dual-Deck functions with the remote control. To activate Child Lock:

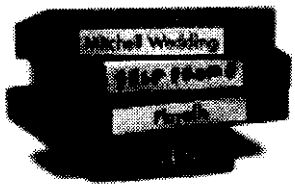
1. Press MENU to display the MAIN MENU.
2. Press "4" repeatedly to set Child Lock to:

Off - Child Lock is disabled.

On - Child Lock is enabled, and can only be disabled with the remote control.

3. Press MENU or QUIT to save and exit the menu system.

Copy Features



Copying a Tape

Copying tapes is what owning a Dual-Deck VCR is all about. Just follow these simple steps:

The Copy Tape button is your key to one-touch copies.

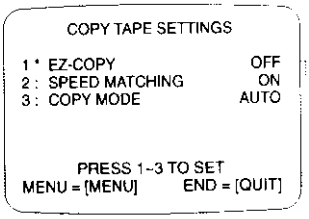
1. Insert your source tape into Deck 1 (the top slot of the Dual-Deck VCR).
2. Insert your target tape into Deck 2 (the bottom slot of the VCR).
3. Press [COPY TAPE] on the front panel of your Dual-Deck VCR or on your remote control. Your Dual-Deck VCR will begin copying from Deck 1 to Deck 2.

Note: When you press Copy Tape, Deck 1 rewinds a few seconds (called "pre-roll") and Deck 2 goes into Record Pause mode automatically before copying begins. This "synchro-start" results in the best possible quality when copying and editing.

4. To pause the copying process, press [COPY TAPE]. To resume, press [COPY TAPE] again. To stop the copying process, press [STOP] on Deck 2.

EZ-Copy

EZ-Copy automates every step of the Copy Tape process: At the touch of a button, your Dual-Deck VCR automatically rewinds both tapes, copies the entire tape from Deck 1 to Deck 2, rewinds both decks again and ejects the tapes. To activate EZ-Copy.



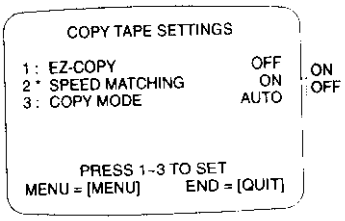
Turn EZ-Copy on or off in the Copy Tape Settings menu

1. Press [MENU] to display the MAIN MENU.
2. Press "1" to select COPY TAPE SETTINGS.
3. Press "1" repeatedly to set EZ-COPY to:

On - EZ-Copy is enabled. To activate, simply insert your tapes and press the [COPY TAPE] button.

Off - EZ-Copy is disabled.

If EZ-Copy ends without rewinding and ejecting the tape then a problem occurred during the copy. Most likely the tape in Deck 2 was not long enough to record the entire source tape.



Speed Matching ensures that both decks are synchronized for optimal copy quality

Speed Matching

During a Copy Tape session, Speed Matching automatically sets the Deck 2 record speed to be the same as the Deck 1 playback speed. You will get the best copy quality when this feature is turned on.

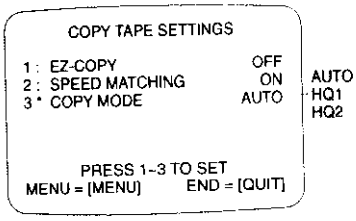
1 Press MENU until the DUAL-DECK FEATURES menu appears.

2 Press "2" to select COPY TAPE SETTINGS.

3 Press "2" repeatedly to set SPEED MATCHING to:

On - Use when optimal copy quality is desired. The record speed will automatically match the play speed in Deck 1.

Off - Use only if you want to record two or more SP tapes onto one SLP tape. If so, you must set the Record Speed manually with the SP/EP button while Deck 2 is in Stop or Pause mode (see page 26).



Set the Copy Mode to Auto, HQ1 or HQ2

Copy Mode

Your Dual-Deck VCR offers you the choice of three copy modes: HQ1 (High Quality 1), HQ2 (High Quality 2), and AUTO, which use Go-Video's patented AmeriChrome Circuitry for optimal duplicating results.

To set the Copy Mode:

1 Press MENU until the DUAL-DECK FEATURES menu appears.

2 Press "2" to select COPY TAPE SETTINGS.

3 Press "1" repeatedly to set COPY MODE to:

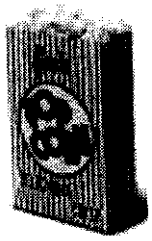
Auto - Automatically selects the best copy mode based on the speed of the source tape.

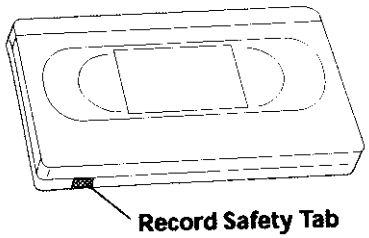
HQ1 - Best if the source tape is in SP or for any tape with Copy Guard.

HQ2 - Best if source tape is in LP or SLP without Copy Guard.

If you wish to view a TV program while copying a tape, push TV/VCR on the remote until TV is selected, then change channels on your TV.

Playback Features



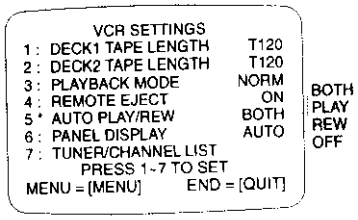


Playing a Tape

It's easy to play back tapes with your Dual-Deck VCR:

1. Insert a videotape into either deck of your VCR.
2. If the tape is missing the record safety tab and AUTO PLAY is on, the tape will begin to play automatically.
3. If AUTO PLAY is set to off (see Auto Play/Rewind below), select the deck and press [PLAY] to begin playing the tape.
4. Press [STOP] to stop the playback. Press [STOP] a second time to remote eject the tape (see page 24).

Auto Play/Rewind



Set your Auto Play/Rewind options in the VCR SETTINGS menu

You can set your Dual-Deck VCR to play and/or rewind your tapes automatically. Just follow these steps:

1. Press [MENU] to display the MAIN MENU.
2. Press "2" to select VCR SETTINGS.
3. Press "5" repeatedly to set AUTO PLAY/REWIND to:

BOTH - Tapes without the record safety tab will play automatically when inserted. All tapes will rewind automatically when finished playing, fast forwarding or recording.

PLAY - Tapes will only play automatically.

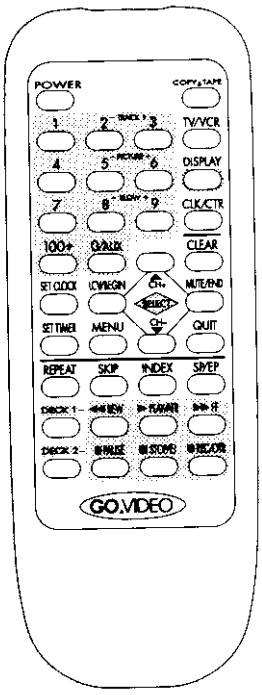
REW - Tapes will only rewind automatically.

OFF - Tapes will neither play nor rewind automatically.

For best results when editing, set Auto Play/Rewind to Rew or Off. This will prevent tapes without record safety tabs from playing unexpectedly.

Special Playback Functions

The following Special Playback Functions can be activated whenever a tape is playing. To resume normal playback, press [PLAY] again or press [STOP] to stop the tape.



Use your remote control to activate a variety of special playback functions.

Play Still - Pause the tape for a stop action picture.

Press [PAUSE] on the remote control, or press [PLAY] again on the front panel to enter Play Still mode. The picture will freeze on the screen. *"Still"* will appear on the Front Panel Display.

Frame Advance - Search a tape frame-by-frame.

While in Play Still mode, press [PAUSE] again to advance the picture one frame. If the deck remains in Play Still mode for 5 minutes, it will resume playing to prevent tape damage.

Slow Motion - Play tapes in Slow Motion.

Press SLOW – or SLOW + (number keys "8" and "9") on the remote control to enter Slow Motion Playback. *"Slow"* will appear on the Front Panel Display. Each time you press SLOW –, the playback slows down a little and each time you press SLOW +, the slow motion playback speeds up a little.

Picture Search - Search a tape at high speed

Press and release [FF] to enter Forward Picture Search. *"Cue"* will appear on the Front Panel Display.

Press and release [REW] to enter Reverse Picture Search. *"Revew"* will appear on the Front Panel Display.

Jet Search - Search a tape at *extra*-high speed:

Press and hold [FF] to enter Forward Jet Search. *"Cue"* will blink on the Front Panel Display. Release the [FF] key to resume playback.

Press and hold [REW] to enter Reverse Jet Search. *"Revew"* will blink on the Front Panel Display. Release the [REW] key to resume playback.

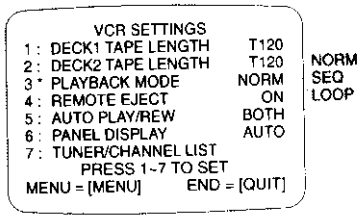
Repeat - Replay the last 30 seconds of tape.

Press [REPEAT] to repeat the last 30 seconds of tape. The tape will reverse picture search for 30 seconds and then resume playing.

Skip - Skip forward from 1 to 5 minutes.

Press [SKIP] once to forward picture search for 1 minute. Press [SKIP] again to forward picture search for 2 minutes. Continue to press [SKIP] up to 5 times to forward picture search up to 5 minutes. This allows you to skip commercials while playing back tapes.

Note: Noise bars, poor or no color during special playback functions is normal and is not a fault condition.



Set two tapes to play sequentially or in a continuous loop.

Sequential & Loop Play

Two decks give you twice the playback features of a normal VCR. **Sequential Play** allows you to insert tapes in both decks and play one after another. **Loop Play** allows you to play both tapes in a continuous loop.

To activate Sequential or Loop Play:

1. Insert tapes in both decks.
2. Press [MENU] to display the MAIN MENU.
3. Press "3" repeatedly to set PLAYBACK MODE to:

Norm - Tapes play normally.

Seq - (Sequential) Deck 1 plays to the end of the tape, then Deck 2 plays to the end of the tape. If Auto Rewind is set to on, both tapes will rewind automatically when playback is finished.

Loop - Deck 1 plays to the end of the tape, then Deck 2 begins playing. While Deck 2 is playing, Deck 1 automatically rewinds to the beginning. When playback is finished in Deck 2, Deck 1 plays again and the process repeats in a continuous loop until you press the [STOP] key. Rewinding is automatic regardless of the Auto Rewind setting.

If you need to adjust tracking manually, use the "2" and "3" buttons on the remote control during playback.

Automatic Tracking

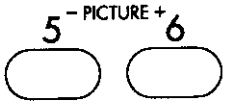
Your Dual-Deck VCR is equipped with an Automatic Digital Tracking System which is activated whenever you insert a tape to play. While tracking is adjusted, you will see ATR (Automatic Tracking) flash on the On-Screen Display.

If you need to adjust tracking manually:

1. Press the TRACK + and – keys to move the white streaks up or down and out of the picture. This disables the ATR System.
2. To reactivate ATR, press the [PLAY/ATR] key on the remote control and hold for 3 seconds.

What is Tracking?

Tracking adjusts the VCR's heads to fine tune playback. Your Dual-Deck VCR has both automatic and manual tracking.



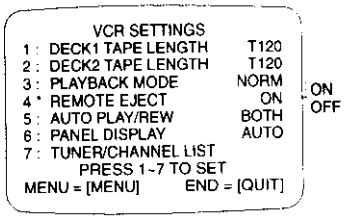
Use your remote control to try out a variety of special playback functions.

Digital Picture Enhancement

Your Dual-Deck VCR is equipped with Digital Picture Enhancement which allows you to adjust sharpness during playback. While picture sharpness is adjusted, you will see a "PIC" value between -8 to +8 on the front panel display.

To adjust picture sharpness:

1. Press the PICTURE – and + keys to gradually adjust sharpness. The front panel display will show you the PIC Value from PIC-8 to +8.
2. To return to the default setting, set the picture sharpness to PIC 0.



Turn Remote Eject on or off in the VCR SETTINGS menu

Remote Eject

With Remote Eject on, you can eject tapes with the remote control by pressing the STOP button. To set this feature:

1. Press MENU to display the MAIN MENU.
2. Press "2" to select VCR SETTINGS.
3. Press "4" repeatedly to set REMOTE EJECT to:

ON - Allows you to eject tapes by pressing STOP on the remote control.

OFF - Disables Remote Eject to prevent you from inadvertently ejecting a tape.

Note: You can always eject tapes with the STOP/EJECT key on the Dual-Deck VCR front panel (unless Child Lock is activated).

CHAPTER 6

Record Features

Recording a TV Program

Your Dual-Deck VCR allows you to record TV programs immediately (with One-Touch Copy) or at a later time (with Timer Recording). The basic recording method is as follows:

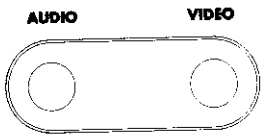
The REC/OTR button gives you one-touch recording capability.

1. Insert a blank tape (with the record safety tab intact) into Deck 2.
2. Select the channel you want to record by pressing the Channel +/– buttons on the remote control (or cable converter box if you have one).
3. Press RECORD to begin recording.

While you are recording the TV show, you can:

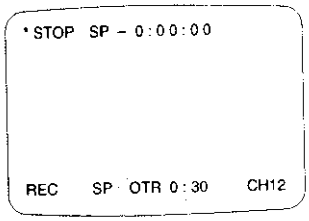
- Pause the recording by pressing PAUSE.
- Stop the recording by pressing STOP.
- Resume recording by pressing RECORD.
- Watch a different channel by pressing TV/VCR, then use your TV's tuner to select the new channel.
- Watch a video by inserting a tape in Deck 1, selecting Deck 1 and pressing the PLAY key.
- Add recording time in half-hour increments with One Touch Recording (OTR), see page 26.
- Add Index Marks to your tape by pressing INDEX, see page 36.

Record Source



Use the Front A/V Jacks (AUX Input) to record from external sources.

Your Dual-Deck VCR uses a WYSIWYG (What you see is what you get) approach to selecting the Record Source for your recordings. When you press the RECORD key, the Dual-Deck will record whatever is currently visible on-screen. Using this approach, you can record from the Tuner and Aux input (Channel 00). See page 44 for tips on connecting additional video equipment.

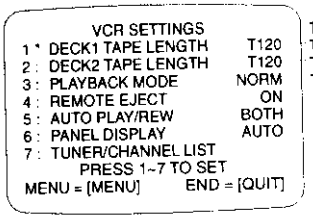


One Touch Recording

Use **One-Touch Recording** (OTR) to record in 30 minute increments up to 9 hours and 30 minutes.

1. Press RECORD to start recording.
2. Press RECORD again to enter OTR mode (OTR 0:30 will appear on the On-Screen Display).
3. Keep pressing RECORD to add 30-minute increments to the total recording time (up to 9:30).
4. When the record time has elapsed, the deck will stop automatically. If the POWER key is pushed during OTR, the VCR will turn off upon completion of recording.

If you press RECORD one time beyond OTR 9:30, the VCR goes into Loop Record mode, which allows Deck 2 to record in a continuous loop.



Select from among four standard Tape Lengths.

Tape Length

Set the correct length of your tapes to ensure Complete Program Record and EZ-Copy work properly:

1. Press MENU to display the MAIN MENU.
2. Press "2" to display VCR SETTINGS.
3. Press "1" for Deck 1 or "2" for Deck 2 to set TAPE LENGTH to:

T-120 - 2 hours (SP); 6 hours (EP)
T-160 - 2 hours 40 minutes (SP); 8 hours (EP)
T-180 - 3 hours (SP); 9 hours (EP)
T-200 - 3 hours 20 minutes (SP); 10 hours (EP)

Set the Record Speed with the SP/EP button on the remote control.

Record Speed

Set the desired Record Speed using the remote control. You can record at two speeds: SP (Standard Play) or EP (Extended Play). EP is three times longer than SP.

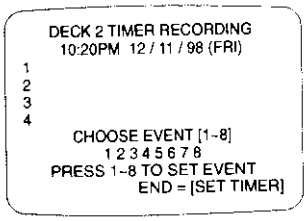
1. Set the tape in Deck 2 to Stop, Pause or Record.
2. Press the "SP/EP" button on the remote control to set the Record Speed to:

SP (Standard Play) - Use for best recording quality.

EP (Extended Play) - Use for maximum recording time.

Maximum Record/Playback Time

VHS	SP	EP (SLP)
T-120	2 hrs	6 hrs
T-160	2 hrs 40 min	8 hrs
T-180	3 hrs	9 hrs
T-200	3 hrs 20 min	10 hrs



Press the Set Timer key to bring up the Deck 2 Timer Recording Menu

Setting Timer to Record Later

If you plan to be away and don't want to miss your favorite show, simply set a Timer Recording. Your Dual-Deck VCR can record up to eight events at a time. To program a Timer Recording:

1 Press the "SET TIMER" button on the remote control. The DECK 2 TIMER RECORDING menu will appear.

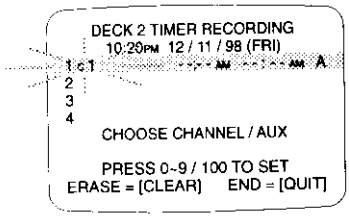
Note: If the clock has not been set, the SET TIME AND DATE menu will appear automatically. You must have the VCR's clock set to the correct date and time before you can set a Timer Recording, see page 16.

2 Enter the number (1-8) of the event you wish to set.

3 Press the number buttons to enter information as you are prompted by the blinking cursor. Use the right and left arrow keys to move between items without changing.

Record Channel/Source

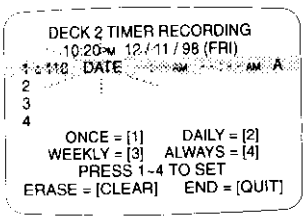
Use the number buttons to enter the desired channel. Remember to enter a "0" first if the channel is a single digit. Choose "00" for audio-video line input (AUX).

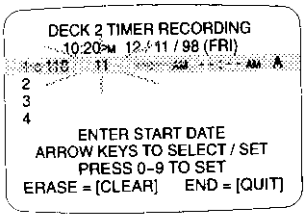


Type of Event

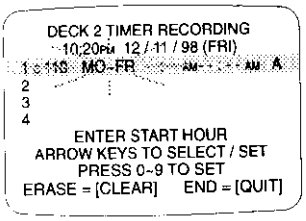
"1" = ONCE (records an event one time)

When you select ONCE, you will be prompted to enter the day (01-31) you wish to record.



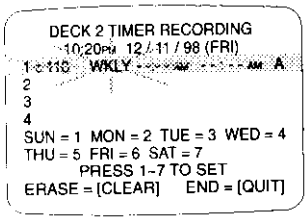


"2" = DAILY (records an event at the same time every weekday)

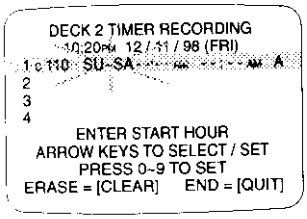


"3" = WEEKLY (records an event at the same time every week)

When you select WEEKLY, you will be prompted to enter the day (SUN-SAT) you wish to record.

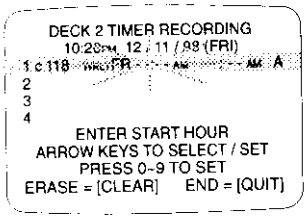


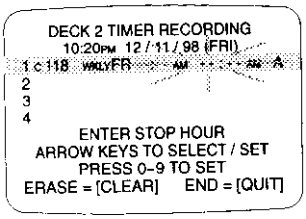
"4" = ALWAYS (records an event at the same time every day)



Start Time Enter the Hour (1-12), Minutes (0-59) and AM/PM ("1" for AM or "2" for PM). For example, if the show starts at 8:00 P.M. enter "08 00 2."

Stop Time Enter the Hour (1-12), Minute (0-59) and AM/PM ("1" for AM or "2" for PM). For example, if the time is 8:30 P.M. enter "08 30 2."





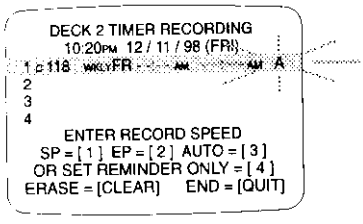
Record Speed

"1" to choose AUTO (*See Complete Program Record, p.29*)

"2" to choose SP

"3" to choose SLP

"4" to choose Reminder (*See Program Reminder, p.29*)

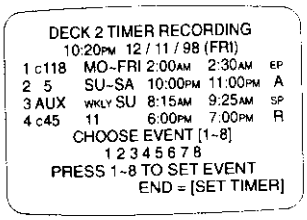


4 Press [MENU] to save these settings and view a summary of events you have programmed to record.

5 To delete an event, use the up and down arrow keys to highlight the event on the summary screen, then press [CLEAR] on the remote control.

6 Press [QUIT] to exit the menu system. The red Timer indicator on the Front Panel Display will be on.

Notes:
- A Timer Recording will start at the programmed time whether the VCR's power is on or off.
- To exit the Timer Record screen without making any changes, press [QUIT].
- To stop a Timer Recording in progress, select the recording deck and press [STOP]. When the On-Screen message appears, press [STOP] again.
- If Timer flashes on the Front Panel Display, there is an error in the Timer Recording. Push [DISPLAY] on the remote control to view the cause of the error on the On-Screen Display (see Timer Record Errors, page 30).



Sample Summary of Timer Recording Events

Complete Program Record

Complete Program Record, or CPR, slows down the recording speed to help prevent you from missing the end of a Timer Recording. Here's how it works:

- CPR is activated automatically when you set the Record Speed to AUTO in a Timer Recording (see page 28).
- Tape Length must be set correctly for this feature to work (see page 26).
- CPR automatically selects the recording speed which will give you the best quality for the time remaining on your tape. Since SP (Standard Play) is the highest quality, CPR selects this speed initially.
- If CPR determines there is not enough time on the tape to record the entire Timer Recording, it will automatically change the speed to SLP. *Note:* Recording in SLP results in slightly lower quality than SP.

Program Reminder

Program Reminder shows you a reminder when a show you have programmed is about to begin. Approximately 10 seconds before the event begins, you will see a message on your screen reading: "SHOW BEGINNING ON CH##".

- Program Reminder is activated when you set the Record Speed to Reminder (option "4") when setting a Timer Recording (see page 28).
- Program Reminder does not record the program.

Timer Record Errors

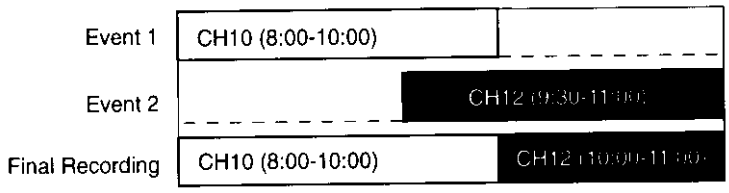
If there is a problem with your Timer Recording, you will see one of the following error messages on your On-Screen Display:

- TAPE MISSING TAB - The record safety tab is missing on your videotape. To record, you must cover the tab with cellophane tape.
- TAPE MISSING - There is no videotape in the recording deck. To record, you must insert a tape.

Timer Record Priorities

If you accidentally set the Timer to record different events (on different channels) at the same time, your Dual-Deck VCR prioritizes these events according to the following rules:

1. Priority is given to the event with the earliest starting time. An event in progress will not be interrupted by an event with a later starting time.
2. Priority is given to the event with the lowest event number. If Event 1 and Event 2 start at the same time, the Dual-Deck VCR will record Event 1.
3. If there is time remaining on the later event when the earlier event event is completed, then the later event will be recorded.



CHAPTER 7

Editing Features

Videotape Editing

Two decks make editing your videos quick and easy. Choose from the following two editing methods:

- **Automatic Assembly Editing** - Use this method if you plan on making multiple or non-sequential edits. You mark the beginning and ending points of each scene (up to 8 at a time), and your Dual-Deck VCR assembles the scenes automatically (see below).
- **Sync Editing** - Use this method if you plan on making only a few edits in sequence. You edit each scene manually with a little help from the COPY TAPE button (see page 33).

Automatic Assembly Editing

Preparing an Edit List

The key to making clean, quality edits is planning. Carefully review your source tape before you edit:

8-SCENE EDIT LIST

SCENE: 1 2 3 4 5 6 7 8
BEGIN: --:--:-- --:--:-- --:--:-- --:--:-- --:--:-- --:--:-- --:--:-- --:--:--
END: --:--:-- --:--:-- --:--:-- --:--:-- --:--:-- --:--:-- --:--:-- --:--:--

SELECT SCENE = [1-8]
ARROW KEYS = [BEGIN / END]
MAKE A TAPE = [COPY TAPE]
MENU = [MENU] END = [QUIT]

Set up your Automatic Assembly Edits in the 8-SCENE EDIT LIST menu.

1. Insert your source tape into Deck 1.
2. Rewind the tape to the beginning.
3. Press the CLK/CTR key on your remote control until you see the tape counter on the Front Panel Display.
4. Press CLEAR to reset the tape counter to zero.

Note: The tape counter automatically resets to 0:00:00 when you insert a tape. Remember to rewind the source tape and reset the counter to zero every time you insert it to ensure consistent tape counter readings.

5. Carefully review your source tape, using the Play, Still and Picture Search features. Think about which scenes to include in your final copy, and which to leave out.
6. As you are doing this, write down the tape counter positions for the beginning and ending of each scene on the source tape, and a brief description of what is happening in the scene.

When you are finished, you will have an Edit List from the source tape. Here is an example of an Edit List from a child's birthday party:

Begin/End	Description
0:01:08 to 0:03:34	Josh opening birthday present - toy car.
0:03:34 to 0:04:00	Jiggled the camera - delete this part.
0:04:00 to 0:06:23	Josh opening present - tool kit.
0:06:23 to 0:10:30	Josh and Mary playing with toys.
0:10:30 to 0:11:06	Josh crying - delete this part.
0:11:06 to 0:15:46	Kids eating birthday cake.

After you are experienced with the procedures of automatic assembly editing, you may choose to skip the note taking step and directly enter the scenes during playback.

Performing an Assembly Edit

Once your Edit List is complete, you're ready to assemble your tape. Let's say you've decided to copy your scenes in the following order, leaving out the scenes where the camera jiggled and Josh was crying.

a. Josh opening toy car.

b. Josh opening tool kit.

c. Kids eating birthday cake.

d. Josh & Mary playing with toys.

1 Press MENU to display the MAIN MENU.

2 Press "3" to select 8-SCENE EDIT LIST. The following menu will appear (The "1" will be flashing):

```
MAIN MENU

1 * COPY TAPE SETTINGS
2 : VCR SETTINGS
3 : 8-SCENE EDIT LIST
4 : CHILD LOCK                OFF
5 : LANGUAGE/LANGUE/IDIOMA

      PRESS 1~5 TO SET
            END = [QUIT]
```

You must insert a tape in Deck 1 in order to select 8-SCENE EDIT LIST.

```
8-SCENE EDIT LIST

SCENE:  1 2 3 4 5 6 7 8
BEGIN:  --:--:--:--
  END:  --:--:--:--

SELECT SCENE = [1~8]
ARROW KEYS = [BEGIN / END]
MAKE A TAPE = [COPY TAPE]
MENU = [MENU]        END = [QUIT]
```

3 Press "1" to program scene 1.

Note: You can program scenes out of sequence by selecting any number key from 1 to 8.

4 Play the source tape in Deck 1 to the beginning of the first scene (in our example this is tape counter position 0:01:08). Press the BEGIN key to mark the beginning of the scene.

5 Play the tape to the end of the scene (in our example this is tape counter position 0:03:34). Press the END key to mark the end of the scene.

Note: After you program each scene, the next scene number will blink indicating it's ready to be programmed.

6 Press the number for the next scene you want to program (in our example, scene 2).

7 Repeat steps 4-6 until all scenes are programmed.

8 Press STOP to stop the tape in Deck 1.

Note: You cannot eject the tape in Deck 1 with the remote control if there are scenes in the Edit List.

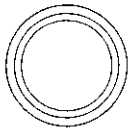
9 Load a blank tape into Deck 2.

10 Press the COPY TAPE key. The Dual-Deck VCR will automatically copy each scene from Deck 1 to Deck 2 in the order programmed.

11 When editing is complete, stop Deck 2.

Sync Editing

COPY ▲ TAPE



The Copy Tape Button makes Sync Editing a snap

You can also perform assembly editing manually, also known as Sync (Synchronized) Editing.

Note: For best results when Sync editing, be sure to:

- Turn off EZ-Copy (p.19)
- Turn off Auto Play (p.21)

1 Insert the source tape into Deck 1.

2 Insert the target tape into Deck 2.

3 Press DECK 2 to select Deck 2.

4 Play the target tape in Deck 2 to approximately 3 seconds after the end of the last frame of the last scene, then press PAUSE/STILL.

5 Press RECORD for Deck 2. This puts the deck into Record Pause mode.

6 Press DECK 1 to select Deck 1.

7 Play the source tape in Deck 1 to the beginning of the desired scene and press PAUSE/STILL.

8 Push COPY TAPE to begin editing.

9 The source tape will copy onto the target tape until you press STOP on Deck 2, or COPY TAPE again to make additional Sync Edits.

Continuing a Sync Edit

During a Sync Edit, you can reposition the source tape and make additional edits. To do so, follow these steps:

1. While the Sync Edit is in progress, press [COPY TAPE] again to enter Copy Tape Pause mode. Deck 1 will go into Play/Still and Deck 2 will go into Record/Pause. "Copy" will blink on the front panel display.

Note: It is recommended that you copy 3-4 seconds beyond your next edit point to account for pre-roll (a slight rewinding of the tape prior to recording that ensures continuous tape coverage).

2. Press [DECK 1] to select Deck 1.
3. Play the source tape in Deck 1 to the beginning of the next scene and press [PAUSE/STILL].
4. Press [COPY TAPE] again to restart editing.
5. Repeat steps 1-4 to continue Sync Editing, or press [STOP] on both decks to finish.

Automatically Remove Commercials

Press [SKIP] while a Copy is in progress and your Dual-Deck VCR will automatically execute a 1 minute Sync Edit. Press [SKIP] 2 to 5 times times to execute a 2 to 5 minute Sync Edit. This is ideal for removing commercials while making a copy.

Making Quality Edits

It is not uncommon for "glitches" to occur during a manual assembly edit, usually at the end of a scene that is being recorded over old material.

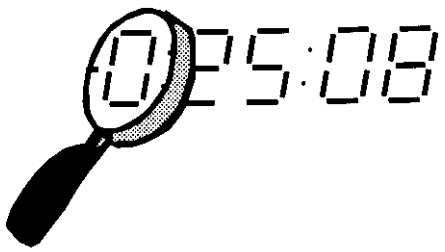
This happens because the VCR's full erase head (which erases the video, audio and control tracks) is always a few seconds behind the recording heads. You may see a vibrating rainbow of color in the middle of the picture and sound can become unstable for a few seconds.

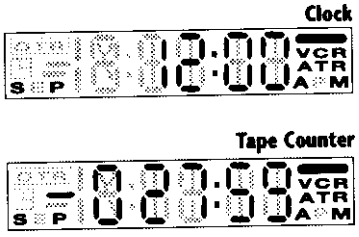
To improve the quality of your edits:

- **Record with preformatted tape** - You can format a tape by recording the Aux input with no signal over the entire tape. First, unplug any device connected to your Front A/V Inputs. Next, tune the channel to "00". Finally, record the blank signal over the entire tape.
- **Overlap your edits** - Always copy the source tape 3-4 seconds beyond the end of each scene. This helps account for pre-roll when you edit the next scene.

CHAPTER 8

Searching & Index Features





Press CLK/CTR to toggle the front panel display between the clock and tape counter.

Tape Counter

The Tape Counter shows you the exact location of your tapes in hours, minutes and seconds.

You can view the Tape Counter in two places:

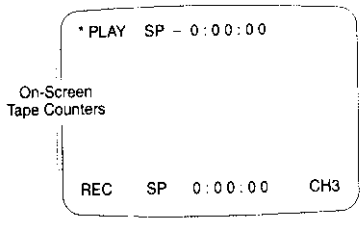
Front Panel Display - Press CLK/CTR repeatedly to toggle the front panel display between the clock and tape counter.

On-Screen Display - Press DISPLAY to view the tape counter on-screen for both decks (the OSD will match the front panel display).

To reset the tape counter:

1. Press CLK/CTR until the tape counter is displayed on the front panel display.
2. Press CLEAR to reset the counter to 0:00:00. You can do this anywhere on a tape.

Note: Any time you insert a tape into your Dual-Deck VCR, the Tape Counter will reset to zero automatically.



The Tape Counter appears on-screen for both decks.

Zero Return

Use the SKIP button to automatically fast forward or rewind the tape to counter position 0:00:00. This is a handy feature when editing videotapes.

To activate Zero Return:

1. Make sure the tape in Deck 1 or Deck 2 is in Stop mode.
2. Press SKIP on the remote control. Your Dual-Deck VCR will advance to tape counter position 0:00:00 and stop automatically.

VHS Index Search System

Your Dual-Deck VCR is equipped with a VHS Index Search System (VISS) to help you locate your recordings with ease. VISS is the industry standard, so you can use it with other VCRs and camcorders that follow the standard. Here's how it works:

- The VCR automatically places an Index Mark at the start of every recording (when this happens, you will see "IDX" flash briefly on the On-Screen Display).
- You can place Index marks manually at any time during a recording by pressing INDEX on the remote control. For best results, avoid placing Index Marks at the beginning of a tape or in segments less than 5 minutes in length.
- You can then Scan or Search for Index marks when the tape is stopped or playing by pressing INDEX (see below).

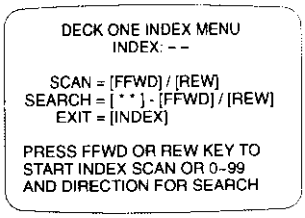
CLK/CTR

The CLK/CTR button determines which menu you will see when you press the INDEX button.

CLOCK = VHS Index Search System

COUNTER = Blank/Direct Time Search

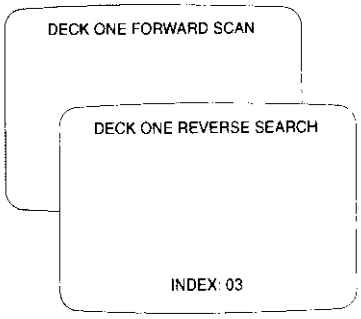
Index Scan



Use the Index Menu to Scan or Search for Index Marks

1. Insert a tape containing recordings in either deck.
2. Press CLK/CTR until the Clock is visible on the front panel display.
3. Press INDEX. The DECK ONE INDEX MENU or DECK TWO INDEX MENU will appear.
4. Press FF to scan for Index Marks forward, or REW to scan for Index Marks in reverse. The deck will play a few seconds of tape at each Index Mark, then continue on to the next Index Mark.
5. Press STOP (or PLAY) when you reach the desired Index Mark.

Index Search

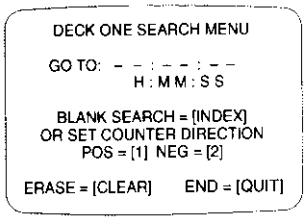


1. Insert a tape containing recordings in either deck.
2. Press CLK/CTR until the Clock is visible on the front panel display.
3. Press INDEX. The DECK ONE INDEX or DECK TWO INDEX menu will appear.
4. Use the number buttons to enter the number of Index Marks you want the system to count before it stops and plays the tape (enter a "0" first for Index Marks 1-9).
5. Press FF to search for Index Marks forward, or REW to search for Index Marks in reverse. When the system counts the indicated number of Index Mark, it will stop and play the tape.

Other Search Options

Two additional search options are availabe by setting the CLK/CTR key to Counter before pressing the INDEX key: Blank Search locates the next blank section of tape (useful for knowing exactly where to start your next recording), and Direct Time Search locates a specific tape counter location.

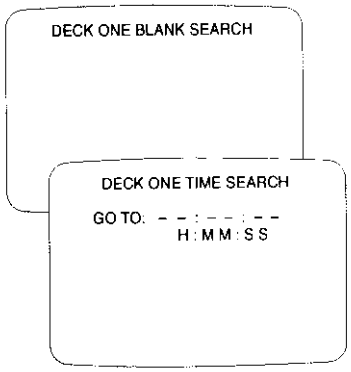
Blank Search



The Dual-Deck VCR allows you to search for blank sections of tape and specific counter locations.

1. Insert a videocassette into either deck.
2. Press CLK/CTR until the Counter is visible on the front panel display.
3. Press INDEX. The DECK ONE SEARCH MENU or DECK TWO SEARCH menu will appear.
4. Press INDEX again to fast-forward to the next blank section of the tape (tape with no control track).
5. The tape will stop automatically when it reaches blank tape.

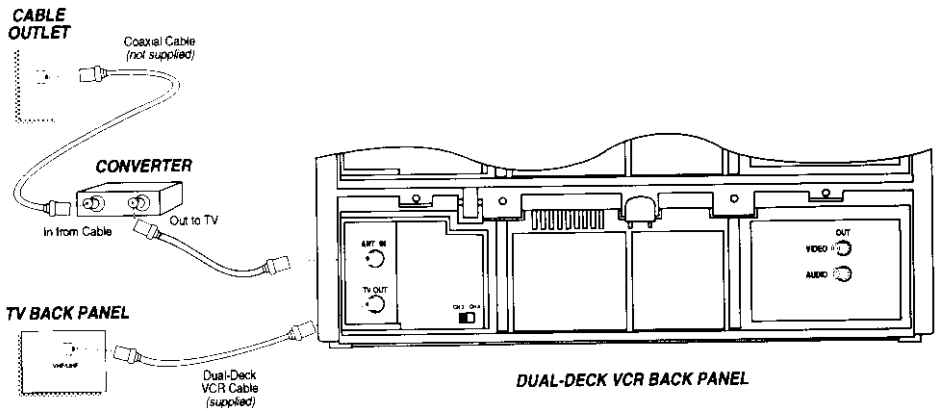
Direct Time Search



1. Insert a videocassette into either deck.
2. Press CLK/CTR until the Counter is visible on the front panel display.
3. Press INDEX. The DECK ONE SEARCH MENU or DECK TWO SEARCH menu will appear.
4. Enter "1" for positive, or "2" for negative to indicate the direction of the desired tape counter position.
5. Use the number buttons to enter the hours, minutes and seconds of the desired tape counter position (enter a "0" first for numbers 1-9).
6. Press INDEX to automatically fast forward or rewind to the specified counter position and stop.

CHAPTER 9

Advanced Connections



Cable Converter Box Hookup

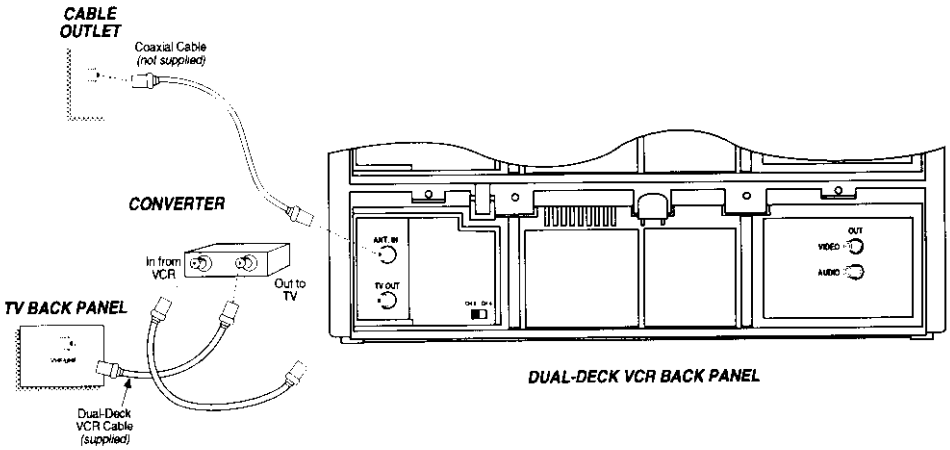
Use this hookup if you have a converter box with your cable system and you want to watch and record any cable channel to which you subscribe. *Note:* You will not be able to watch a second channel while recording a cable channel.

1. **Connect the Cable to your Converter Box** - Attach the cable that comes out of your wall to the input connection on the back of your cable converter box.
2. **Connect the Converter Box to your VCR** - Attach the cable supplied with your cable converter box from the output connection on the back of your cable converter box to the ANT. IN connection on the back of your VCR.
3. **Connect the VCR to your TV** - Attach the supplied RF Coaxial Cable from the TV OUT connection on the back of the VCR to the VHF IN or CABLE IN connection on the back of your TV.
4. **Turn on the Power** for your VCR, TV and converter box.
5. **Set the Channel** on the front display panel of your Dual-Deck VCR to 2, 3 or 4. Call your cable company to find out which of these channels to use.

Note: With this hookup you must always keep your Dual-Deck VCR tuned to the same channel, and use the converter box to change channels (even for Timer Recordings).

6. **Set the VCR back panel switch** to channel 3 or 4, choosing the one that you did NOT use for your cable system in step 5.
7. **Set your TV** to the same channel used in step 6 above.

Alternative Cable Converter Box Hookup



Use this hookup if you have a converter box with your cable system and you want to be able to watch a second channel while recording a TV program. *Note:* With this hookup you can watch scrambled channels, but you won't be able to record them.

1. **Connect the Cable to your VCR** - Attach a coaxial cable from the outlet in your wall to the ANT. IN connection on the back of your Dual-Deck VCR.
2. **Connect the VCR to your Converter Box** - Attach the supplied RF coaxial cable from the TV OUT connection on the back of your Dual-Deck VCR to "Input" on the back of your cable converter box.
3. **Connect the Converter Box to your TV** - Attach an RF Coaxial Cable from the "Output" connection on the back of the converter box to the CABLE IN connection on the back of your TV.
4. **Turn your TV to channel 2, 3 or 4** - Whichever is used by your cable system.
5. With all three devices turned on, **Tune your Converter Box to Channel 3** and push the MENU key. You should see a menu.
6. Press QUIT to exit the menu system.

Note: With the TV/VCR button set to VCR, you should see the channel that the VCR is tuned to. With TV/VCR set to TV, you should see the channel that the cable converter box is tuned to.

This hookup requires you to use different procedures for watching and recording TV programs than the procedures described elsewhere in this Dual-Deck VCR User's Guide.

To view any basic or premium channel:

1. Set your Dual-Deck VCR's TV/VCR selector to TV (or turn off your VCR).
2. Set the TV to channel 2, 3 or 4, whichever is used by your cable system.
3. Select the desired channel to view on the cable converter box.

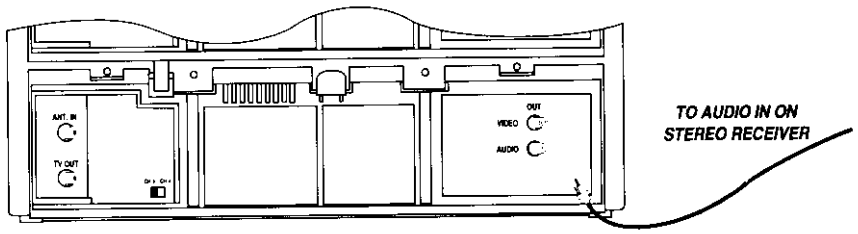
To record and view a basic channel:

1. Set the TV/VCR selector to VCR on your Dual-Deck VCR.
2. Set the TV to channel 2, 3 or 4, whichever is used by your cable system.
3. Set the cable box to channel 3 or 4, whichever is used as your VCR output.
4. Select the desired channel to view on the Dual-Deck VCR. Start the recording (see page 25).

To record a basic channel while watching any other basic or premium channel:

1. Set the TV/VCR selector to VCR on your Dual-Deck VCR.
2. Set the TV to channel 2, 3 or 4, whichever is used by your cable system.
3. Set the Dual-Deck VCR to the channel you wish to record. Start the recording (see page 25).
4. Set the TV/VCR selector on the VCR to TV.
5. Use the cable converter box to select the channel you want to watch.

Audio Connections



DUAL-DECK VCR BACK PANEL

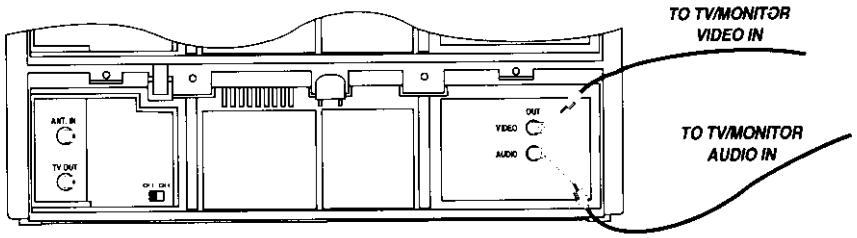
Listen to TV and VCR Audio on your Stereo System

You can connect your Dual-Deck VCR to your stereo system and hear tapes and TV programs with improved sound quality.

1. Attach an RCA cable from the Audio Out jack on the back of your Dual-Deck VCR to one of the Audio In jacks on your stereo receiver.
2. On your stereo receiver, select the appropriate input ("VCR", "Tape" or "Aux").
3. Turn on your Dual-Deck VCR, TV and stereo system and enjoy improved sound quality with your TV programs and prerecorded movies.

If you have a TV with separate audio input jacks, you can connect the Dual-Deck VCR audio output to your TV inputs and enjoy improved sound quality.

Monitor Connections



DUAL-DECK VCR BACK PANEL

Enjoy Improved Picture and Sound Quality

Monitor style TVs offer improved picture and sound quality over standard TVs because they receive the video and audio signal directly from the VCR.

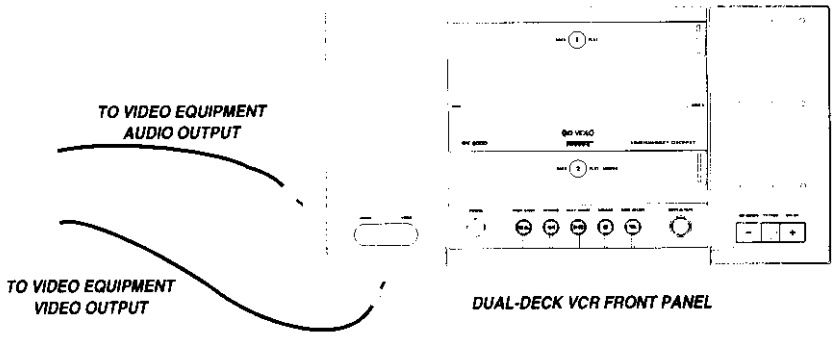
If you have a monitor style TV, or if your TV has separate video and audio input connections:

1. Attach RCA cables from the Rear Audio and Video Outputs on the back of your Dual-Deck VCR to the Audio and Video Inputs on your monitor TV.
2. To view the VCR output on the monitor, switch the monitor to "Video," "Aux" or "Line." Refer to your monitor's owner's manual for the correct setting.

Notes:

- When you use the Rear Audio and Video Outputs instead of the OUT TO TV connection, the TV/VCR button has no effect. But it still switches the antenna to any device attached to OUT TO TV.
- A monitor style TV is not the same as a computer monitor.

Connecting Other Video Equipment



You can connect a variety of additional video equipment to your Dual-Deck VCR, including:

- Another VCR
- Laser Disc Player
- Video Camera
- Camcorder
- Satellite Receiver
- Video Game
- & more!

1 **Connect the Video Equipment to your VCR** - Attach RCA cables from the A/V outputs on the additional video equipment to the A/V inputs on the front panel of your VCR.

2 **To Watch** the input from other video equipment, set the channel to AUX. You may do this manually by entering "00" or by using the CH+/– keys.

3 **To Record** from other video equipment, set the channel to AUX and press RECORD.

4 **To Timer Record** from other video equipment, set the channel in the Timer Record Menu to "00". The word AUX will appear on the On-Screen Display in place of the channel number.

5 **To Record from a Camcorder**, set the camcorder to Play mode. Set the channel to "00" (AUX) and press RECORD.

CHAPTER 10

Helpful Information

Frequently Asked Questions

"I'm not getting a picture."

Make sure the TV/VCR selection is set to VCR (the VCR icon on the Front Panel Display should be on). If not, you can select TV/VCR with the remote control or with the button on the front panel. Also make sure your TV is set to the same channel (3 or 4) as the switch on the back of your VCR.

"The picture is bad."

If the picture is bad while watching the VCR and your TV is set to channel 3 or 4, try adjusting the fine tuning on your TV. You may also try changing the output channel of the VCR (if it's set to 3 change it to 4 or vice versa). Then make sure your TV is set to the same channel.

If the picture is bad while watching TV on a channel (as opposed to watching the VCR with the TV set on channel 3 or 4), make sure the VCR is in TV mode.

If the picture is bad while playing a tape, try manually adjusting the Tracking control (the "2" and "3" keys on the remote control), or the Picture control (the "5" and "6" keys). It may be that the video heads are dirty; try cleaning the heads with a nonabrasive head cleaning tape. Remember, you can always check to make sure the tape is OK by playing it in the other deck.

"I can't record from my TV."

When the VCR is in VCR mode and your TV is set to channel 3 or 4, you should be able to view the desired channel on your TV. If you have a cable converter box, make sure the VCR is tuned to the cable converter box output channel.

"I can't Timer Record."

Make sure that your Dual-Deck VCR's clock is set to the correct time. Double check the AM/PM setting. If you have a cable converter box, make sure the Timer Record channel setting in the DECK 2 TIMER RECORDING menu is set to the cable converter box output channel (2, 3 or 4) and the cable box is set to the channel you want to record.

"My remote control isn't working."

There are several things which could cause your remote control not to function properly. First, make sure you are aiming the remote control directly at the VCR. Make sure there are no obstacles between the remote control and the VCR so the "beam" is not obstructed. The signal from the remote can sometimes be obstructed if a very strong light source, such as sunlight, falls on the front panel of the VCR. Finally, make sure the batteries in your remote control are fresh and installed properly.

"When I use Copy Tape, my tapes are recorded at a speed other than what was set."

In the COPY TAPE SETTINGS menu, check to see if Speed Matching is on. When this feature is on, the recording speed of a copy will be set to the speed of the source tape. If you want to change the speed at which the tape is being copied, turn this feature off and set the Deck 2 Record Speed to SP or EP using the remote control.

"When I use Copy Tape or put a tape into record, the tape ejects."

Make sure there is a record safety tab on your tape. If the tab is missing, you can place a small piece of transparent tape over the hole. This will allow you to copy or record onto the tape.

"Sometimes the tape begins to play or rewind when I don't want it to."

This Dual-Deck VCR can automatically play a tape (with no record safety tab in place) whenever you load it, and it will automatically rewind the tape when it reaches the end. Auto Play/Rewind can be turned on or off via the Auto Play/Rew selection in the VCR SETTINGS menu.

When EZ-COPY in the COPY TAPE SETTINGS menu is on, both decks will automatically rewind before recording when you start a copy tape procedure. This process can be disabled by pushing the STOP key on Deck 2.

"My On-Screen Display has a message that says ERROR."

This means the VCR has had difficulty with the tape mechanism. To reset, turn the power off and then on again. If this does not clear the error, unplug the VCR from the wall outlet and inspect both tape slots for foreign objects, or for jammed or crooked tapes.

"Sometimes, I can't Eject a tape using my remote control."

Make sure Remote Eject is turned on under the VCR SETTINGS menu.

If there is scene information in the Scene Edit List from an Automatic Assembly Edit, Deck 1 will not allow you to eject the tape using the remote control. This is because if you eject the tape, you will lose your scene programming. If you still want to eject the tape, you can do so by using the STOP/EJECT key on the front panel—this will erase all your Edit List settings—or you can clear all scenes in the Edit List manually.

"I can't reset the Deck 1 tape counter."

If there is scene information in the Scene Edit List from an Automatic Assembly Edit, you will not be able to reset the Deck 1 tape counter. This is to prevent you from losing your scene programming. To clear unwanted programming, eject the tape from Deck 1 using the front panel Stop/Eject key.

"My VCR doesn't work."

A strong static electricity shock or other unforeseen circumstances may cause the control system of your Dual-Deck VCR to lock up. To reset the control system, first unplug the power cord from the wall outlet for 10 seconds and plug it in again. If this doesn't restore all operations to normal, unplug it again for 15 minutes. You will then need to reset the clock (if the clock is still set, you haven't unplugged it long enough). If these steps do not correct the problem, the Dual-Deck VCR must be serviced by an authorized service center.

"I can't bring up the Edit List assembly menu."

The VCR must have a tape in Deck 1 for the Edit List to appear because a tape is required to do any editing. Edit List is not available during Copy Tape.

"Why aren't the Counters moving?"

If the VCR is playing an unrecorded or blank tape, the counter cannot operate. The VCR relies on the control track that is always recorded onto the video tape to provide counter information.

"Why can't I get a Menu or an On-Screen Display?"

If the VCR is playing an unrecorded or blank tape, the VCR cannot produce on-screen data to be displayed. Stop the tape or record on it to allow the On-Screen Display to resume.

"Why do I get a blue screen?"

If the VCR's tuner cannot receive a normal synchronized signal, it will display a blue screen in its place. Double check your antenna connections or channel setup.

"The Power indicator is blinking."

Your Dual-Deck VCR is in Auto Power Off mode. If you press the Power button while rewinding, copying, Timer Recording, One-Touch Recording or using EZ-Copy, your VCR will automatically turn off when that function is completed. Pressing the Power button toggles Auto Power On and Off.

Technical Specifications

VIDEO SYSTEM		1/2-inch VHS system, 2 rotary head helical scanning; chrominance: converted sub-carrier phase shift recording; luminance: FM azimuth recording
TELEVISION SYSTEM		NTSC-type color signal EIA standard (525 lines, 60 fields)
AUDIO TRACK		Normal: 1 track
TAPE WIDTH		12.7 mm, 1/2 inch
TAPE SPEED		SP: 33.35 mm/s; SLP: 11.12 mm/s
PLAY/RECORD TIME		T-200 tape at EP mode: Up to 10 hours
FF/REW TIME		T-120 tape: 3 minutes 15 seconds
HEADS	*Video*:	Deck 1: (GV6000) azimuth two head, (GV6015) dual azimuth four head Deck 2: azimuth two head
	Audio:	1 stationary head
	Control:	1 stationary head
	Erase:	1 full track, 1 audio track (Deck 2 only)
VIDEO	*Input*:	75 ohms unbalanced, 1 V_{P-P}
	Output:	75 ohms unbalanced, 1 V_{P-P}
	Horiz Res:	Monochrome, more than 220 lines
	S/N Ratio:	Video = chrominance (SP) AM 40 dB, PM 37dB (Nominal), luminance (SP) 47dB (Nominal); Audio = 40dB (Nominal) weighted (SP)
AUDIO	*Input*:	AUDIO IN (RCA) -300mVrms
	Output:	AUDIO OUT (RCA) -300mVrms
	TV Tuner:	181 channel frequency synthesized. VHF input Ch 2 - Ch 13. UHF input Ch 14 - Ch 69. VHF & UHF one input. Cable Ch 5A, A-5 through A-1, A-I, J through W+58, W+59 through W+84. 75 ohm unbalanced.
	S/N Ratio:	Mono = 40 dB
WOW & FLUTTER		Less than 0.35% (weighted R/P [SP])
RF MODULATION		Channel 3 or 4
FREQUENCY RESPONSE		100 Hz - 10KHz (+/- 3 dB), SP mode
POWER REQUIREMENT		120V AC, 60 Hz, 25 watts
CLOCK BACKUP TIME		30 seconds
ENVIRONMENT		35%-80% relative humidity
WEIGHT/DIMENSIONS		8 kg (17.6 lbs.) / 370 x 193 x 285 mm (14.6" x 7.6" x 11.2")

DUAL-DECK VCR LIMITED WARRANTY

Who Provides the Limited Warranty
During the warranty period, the Go-Video Warranty Administrator will honor Dual-Deck VCR service for 90 days labor, 1 year parts from the original date of consumer purchase. See below for Commercial, Industrial or Educational use coverage. Dual-Deck VCR remote controls are warranted for 90 days from the date of purchase.

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, 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 (Original Equipment Manufacturer) replacement parts are used in the repair of your Go-Video product.

What the Owner Must Do If Service is Required
If service under this warranty is required, contact the Go-Video Warranty Administrator at (602) 922-0896 to determine the nearest authorized Go-Video service center.

Other Warranty Coverage
Commercial, Industrial or Educational use has the same warranty coverage as stated in this warranty.

What are the Exceptions
This warranty does **not** cover: (1) Normal maintenance service, such as video head cleaning. (2) Damage from misuse, abuse neglect or accident, natural disasters or Acts of God. (3) Cabinetry, decorative parts, A/C adapters, knobs or buttons. (4) The foreign country use of this product. (5) Go-Video product which has been electronically or mechanically modified in any way or incorporated into other products. (6) Installation and set-up service adjustments. (7) 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.

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.

GO-VIDEO WARRANTY ADMINISTRATOR

7835 EAST McCLAIN DRIVE, SCOTTSDALE, AZ 85260-1732

(602) 922-0896 • E-Mail: custsvc@govideo.com

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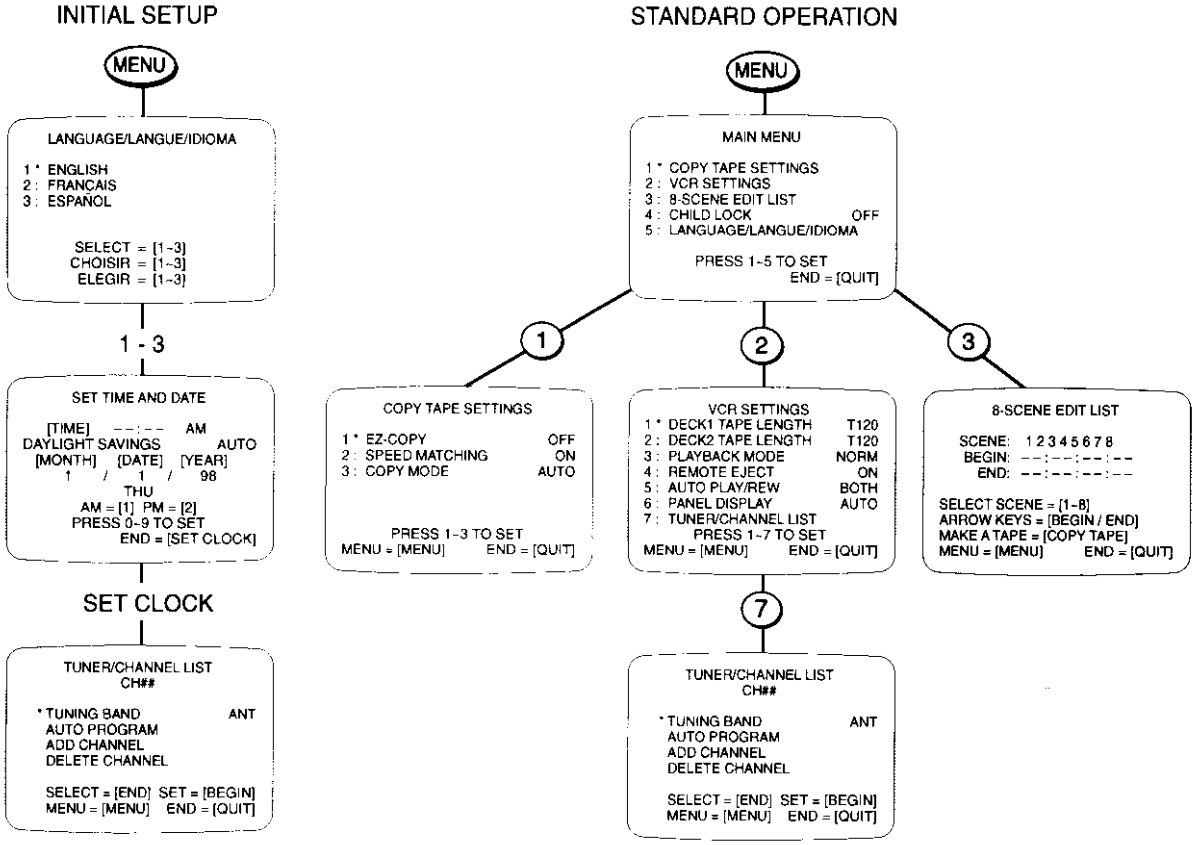
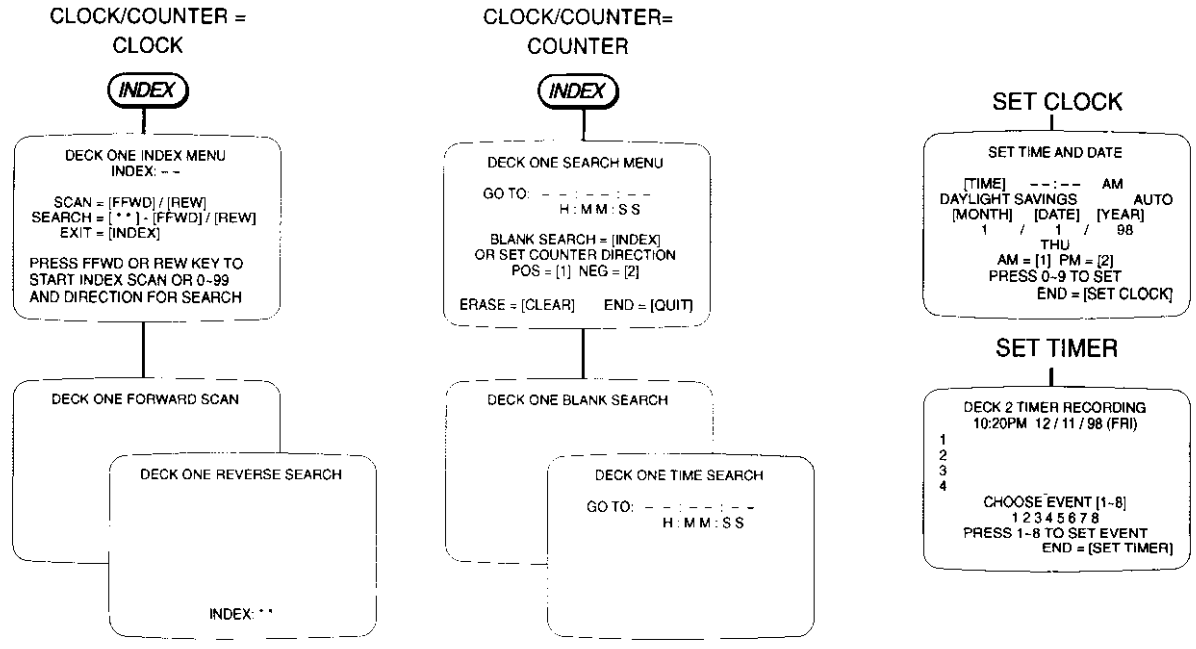
Dual-Deck Menu Tree

Below is a visual flowchart of the Dual-Deck VCR Menu System, indicating the default settings for every menu. Use the number keys (or the up, down, left and right arrow keys) to navigate through the menus.





7835 East McClain Drive
Scottsdale, Arizona 85260-1732
USA

(602) 998-3400
E-Mail: custsvc@govideo.com

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