



VCR

User's Guide

Changing Entertainment. Again.







Important Information

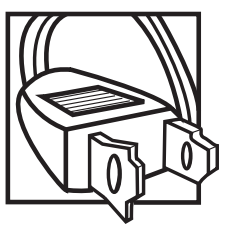
WARNING
 To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

CAUTION
 RISK OF ELECTRIC SHOCK. DO NOT OPEN.

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

 This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

 This symbol indicates important instructions accompanying the product.



Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

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

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which 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.

Product Registration

Please fill out the product registration card and return it immediately. Returning the card allows us to contact you if needed.

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. The numbers are located on the back of the VCR.

Model No **VR637HF**

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____



Key Features Overview

Your VCR is equipped with features that will add to your recording and viewing experience. The following information summarizes a few of these features. Chapter 4 provides more information about the rest of the VCR's features and how to use them.



VCR Plus+® SILVER System

The VCR Plus+ system allows for simple timer recording programming by using a single PlusCode® programming number found in most TV program listings. The VCR Plus+ SILVER system simplifies timer recordings by automatically setting up and updating the VCR's clock and channel list for you.

Requirements: Make sure the VCR Plus+ SILVER system is active, and that Auto Channel Search and time set features are correct.

COMMERCIAL ▶▶ ADVANCE®

This feature uses patented technology that detects and marks most commercials on your recordings. The VCR determines where commercials are located, marks the beginnings and ends of detected commercial segments, then easily skips over them during playback. **This feature does not erase commercials from the tape.**

MOVIE ▶▶ ADVANCE®

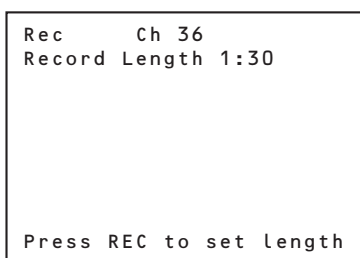
This feature helps locate the beginning of a purchased or rented movie as well as skip through previews. You can go to the beginning of the movie, or skip from one preview/long commercial to the next.



Universal Back-Lit Remote Control

Description: The VCR's remote control can operate most RCA, GE, and Proscan TVs with no additional steps. It can be programmed to operate many other brands of TVs. Back-lit buttons offer easier control in the dark.

Requirements: Point the remote control at the active component and press the ON•OFF button to see if it can be operated.



Auto Clock Set

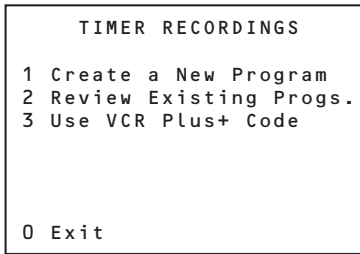
Description: The VCR automatically looks for time and date information after most power outages as well as each time the machine is turned off. Using time information broadcast in TV signals (if available), the VCR's clock sets itself.

Requirements: Start Auto Clock Set using the VCR's on-screen menus.

VCR Plus+ and PlusCode are registered trademarks of the Gemstar Development Corporation.
The VCR Plus+ system is manufactured under the license from Gemstar Development Corporation.
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Introduction



Express Recording (XPR)

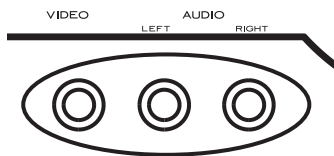
Description: XPR quickly records the remaining portion of a program already in progress. XPR is a great way to capture the end of a sporting event that has run into overtime or a live broadcast that runs long.

Requirements: Repeatedly press the Record button on the VCR front panel or remote control to set the desired duration of time to record.

Pro-Tect Plus™ Locking

Description: Locks the VCR so that buttons on the front panel and remote control won't operate the VCR. This feature protects timer programs from frustrating accidents such as being left on at the time of recording.

Requirements: Lock the VCR by pressing and holding the POWER button on the remote control for six seconds. The front panel display will blink for several seconds. The VCR unlocks by pressing and holding the POWER button on the remote control, again for six seconds. The front panel display will blink again and release the lock on the system.



Front Audio/Video Input Jacks

Description: The VCR has Audio/Video (A/V) input jacks on both the front and rear of the unit (there are output jacks on the rear panel only). The front A/V jacks make it easy to plug in an external A/V device, such as a camcorder.

Requirements: Make sure that all A/V connections are snug. To see a connected device's image, turn the VCR to its Video Line Input by pressing the remote control's INPUT button.

Hi-Fi Quality Sound

Description: When using the VCR's A/V jacks, you can feed stereo quality sound from your VCR to your TV or stereo. Stereo quality sound allows for two separate channels of sound (Left and Right) to be heard.

Requirements: Using A/V jacks and cables to connect the VCR to the TV or stereo (see page 58 for an advanced connection setup diagram).

SQPB S-VHS Quasi Playback

Description: Your VCR will be able to play back tapes recorded in S-VHS or S-VHS-ET mode (in VHS quality).

Requirements: Insert a tape recorded in S-VHS or S-VHS-ET mode and pressing the PLAY button on the remote control or PLAY•PAUSE on the VCR.





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Chapter 1

Connections & Setup

Chapter Overview:

- Things to Consider Before Connecting
- Choosing Your Connection
- Making Connections
- Navigating On-Screen Menus
- Completing the QuickSet™ Guide
- Basic Recording

Changing Entertainment. Again.





Connections & Setup

Things to Consider Before Connecting Components

Protect Components From Power Surges

- Connect all components before plugging any power cords into the wall outlet.
- Always turn off the TV and other components before you connect or disconnect any cables.

Position Cables to Avoid Audio Hum or Interference

- Insert all cable plugs firmly into their jacks.
- Place any Audio/Video (A/V) cables to the side(s) of the TV's back panel instead of straight down the back after connecting components.
- Try not to coil any twin-lead cables and keep them away from all A/V cables as much as possible.
- Make sure all antennas and cables are properly grounded. Refer to the *Safety Tips* sheet packed with your unit for detailed information.

Protect Components From Overheating

- Never block ventilation slots in any component. Arrange the components so that air can circulate freely.
- Do not stack components.
- Allow adequate ventilation when placing components in a stand.
- Place an amplifier or satellite receiver on the top shelf of a stand so heated air rising from it will not flow around other components.

Cable Considerations

The RF coaxial cable supplied with your VCR carries both sound and picture information. This is the cable used in all connection diagrams illustrated in this chapter.

If your TV has A/V input jacks, you should use A/V cables (not supplied) to connect the VCR to the TV. A/V cables provide better picture and sound quality than an RF coaxial cable. If you would like to hook up your VCR using A/V cables, refer to the *Advanced Connection* information on page 58 in the *Other Information* chapter of the manual.



Connections & Setup



RF Coaxial Cable

Using the RF Coaxial Cable to Connect the VCR to a TV

This graphic shows the RF coaxial cable supplied with your VCR. This will be the cable used for the basic connections represented in this chapter.








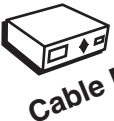
Notes: To hear stereo sound, you will need to purchase Audio/Video (A/V) cables (not provided) and connect the VCR to the TV. A/V jacks and cables also provide a superior image and sound quality. For details about using this advanced setup, see the instructions on page 58.

Using A/V jacks to connect the VCR to the TV requires tuning to the TV's Video Line Input to see the VCR's picture. For more information about finding your TV's Video Line Input, see page 57.

If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

Choose Your Connection

There are several ways to hook up your VCR depending on the components connected. Please use the following chart to determine which connection is best for you and proceed to the appropriate page.

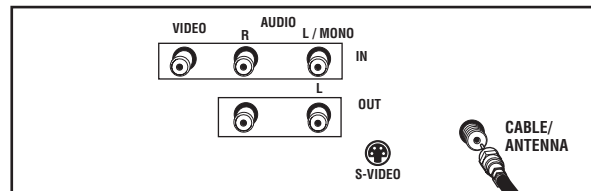
Components	Connection Title	Go To
 	TV + VCR	page 8
  	TV + VCR + Satellite Receiver	page 9
  	TV + VCR + Cable Box	page 10



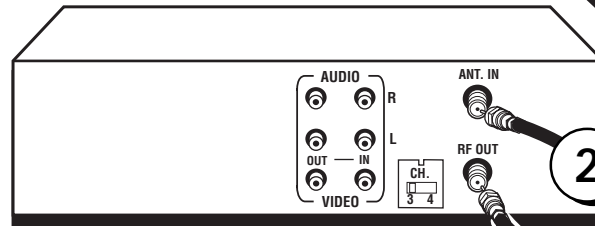
Connections & Setup



TV (back panel)



VCR



From Cable or Antenna

TV + VCR

Need Some Help?

If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

Note: Your television back panel may not look exactly like the model shown here.

1. Connect the VCR to the TV

Connect one end of the supplied RF coaxial cable to the RF OUT jack on the back of the VCR and the other end to the TV's Antenna IN jack.

2. Connect the antenna/cable feed to the VCR

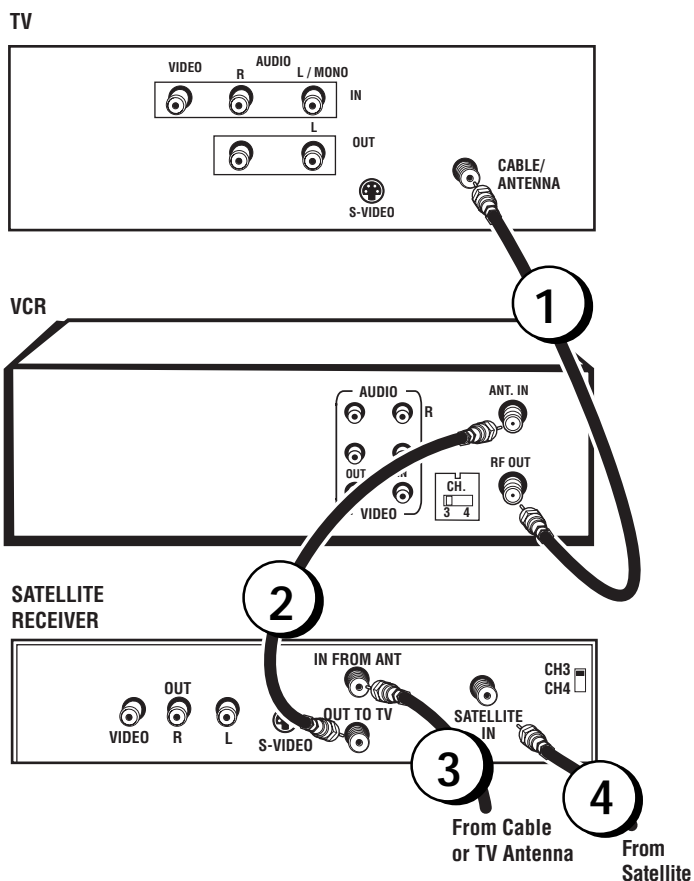
Connect the cable or antenna RF coaxial cable to the ANT. IN jack on your VCR.

Note: Flip the CH 3/4 switch on the back of the VCR to the channel that is *not* used in your area. This will be the channel that the TV must be tuned to in order to see the VCR's picture.

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Connections & Setup



TV + VCR + Satellite Receiver

Note: Your television and/or satellite receiver back panels may not look exactly like the models shown here.

Need Some Help?

If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

1. Connect the VCR to the TV

Connect one end of the supplied RF coaxial cable to the RF OUT jack on the back of the VCR and the other end to the TV's Antenna input jack.

2. Connect satellite receiver to the VCR

Connect a second RF coaxial cable (not included) to the antenna output jack on the satellite receiver and to the ANT. IN jack on the VCR.

3. Connect the antenna to your satellite receiver

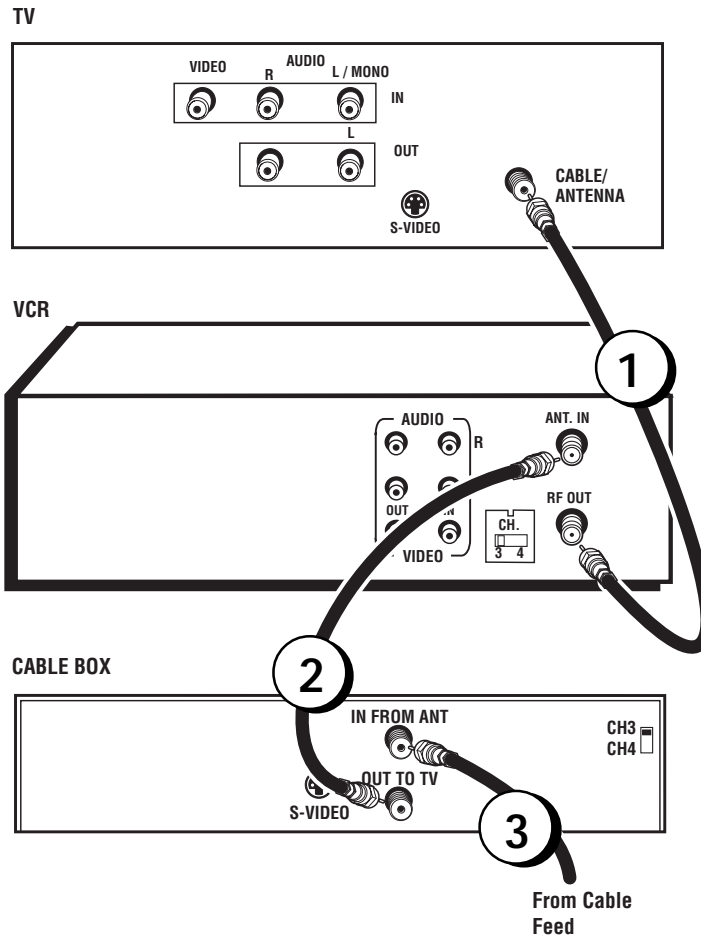
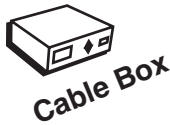
If necessary, connect an antenna or cable box RF coaxial cable (not included) to the antenna input jack on the satellite receiver.

4. Connect the satellite feed to the satellite receiver

Connect the satellite receiver's RF coaxial cable feed (not included) to the satellite input jack on the satellite receiver.

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Connections & Setup



TV + VCR + Cable Box

Need Some Help?

If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

Note: Your television and/or cable box back panels may not look exactly like the models shown here.

- 1. Connect the VCR to the TV**
Connect one end of the supplied RF coaxial cable to the RF OUT jack on the back of the VCR and the other end to the TV's Antenna input jack.
- 2. Connect the cable box to the VCR**
Connect one end of a second RF coaxial cable (not included) to the cable box's antenna output jack and the other end to the ANT. IN jack on the VCR.
- 3. Connect the cable feed to your cable box**
Connect the RF coaxial cable feed (not included) to the antenna input jack on the cable box.

Go To Page 11



Connections & Setup

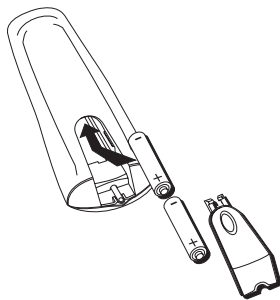
Set the VCR's CH 3/4 Switch

The CH 3/4 switch on back of the VCR determines what channel the TV must be tuned to see the VCR's image. Choose whichever channel is not used locally in your area.

Note: If you connected components using A/V jacks and cables, the VCR's signal must be viewed using the TV's Video Line Input. To find the Video Line Input, refer to the manual that came with the TV or see *How to Find Your TV's Video Line Input* on page 57 in the *Other Information* section of this manual.

Plug in the VCR

Your VCR's power cord has a plastic band strung through the blades. **Remove the plastic band before plugging the cord into the power outlet.** To remove the band, cut with a pair of scissors and pull it free of the blades. Once the plastic is removed, match the wide blade of the power cord to the wide slot in the AC outlet. Be sure to insert the plug completely.



Put Batteries in the Remote Control

1. Remove the battery compartment cover on the remote control.
2. Insert new batteries matching the polarities (+ and -) on the batteries with the diagram in the battery compartment.
3. Put the battery compartment cover back on the remote.

Turn on the TV and VCR

Turn on the TV and press the VCR button on the remote control to turn it on.

Note: If you have an RCA, GE, or Proscan TV, your VCR's remote control may be able to operate it without being programmed. Press the TV button on the remote control and then the ON•OFF button. If neither one turns on the TV, see *Using the Remote Control* starting on page 25 for details about programming the remote control to operate other brands of TVs.

Tune the TV

Tune the TV to the VCR viewing channel. The VCR viewing channel is channel 3, 4, or the TV's video line input.

- If you connect your VCR using RF coaxial cable only, turn the TV to channel 3 or 4 (whichever was set on the CH 3/4 switch).
- If you connected the VCR using A/V jacks and cables, select the TV's video line input. For more information see *How to Find the TV's Video Line Input* on page 57 in the *Other Information* section of this manual.





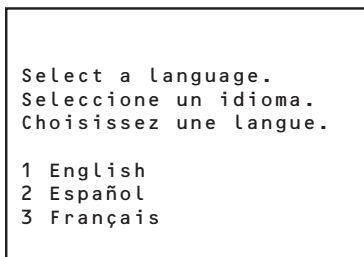
Connections & Setup

Using the Remote Control to Navigate On-Screen Menus

The technical term is “Navigation” – how you move through the on-screen menus. The theory is the same for all the menu screens; use the corresponding number button on the remote control select it.

To choose an on-screen item, press the remote control’s corresponding number button.

Note: Selecting a menu item can take you to another menu, activate a choice, or activate a data entry field (such as the hour field in the Set Time menu).



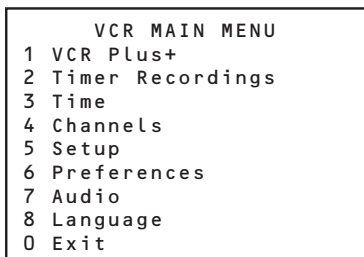
Complete the QuickSet Guide

The menu system in your VCR allows you to customize your preferences as well as use all the VCR’s features. To help you use the VCR as quickly as possible, there is an initial QuickSet Guide that walks you through several important setup steps at one time.

The first time you turn on the VCR, you will be able to set up available channels, time and date information, and more. The first menu you will see asks which language you prefer to have the on-screen menus appear in.

Note: With numbered menu choices, press the corresponding number button on the remote control to automatically select it. In the case of the language menu, press 1 for English, 2 for Español (Spanish), or 3 for Français (French).

The remaining menus throughout the setup will appear in the language chosen. Just follow the step-by-step procedures until the QuickSet Guide is complete.



All of the VCR’s menus are accessed through the Main Menu. Press the remote control’s MENU button to start.

Accessing Menus

The series of preferences that are set in the QuickSet Guide can also be handled individually using the VCR’s on-screen menu system. There are other settings not covered in the initial setup that are also handled using the on-screen menus.

For example, if you decide to run the QuickSet Guide again, you can access the *Setup* menu by pressing the remote control’s MENU button. Once the *Main Menu* is displayed, press the 5 button to choose *Setup*. From there, you can start the QuickSet Guide from the beginning.

All on-screen menus are accessed the same way, starting in the *Main Menu* which is displayed by pressing the remote control’s MENU button.

Note: See chapter two, *Using On-Screen Menus*, for details about changing the VCR’s individual settings.

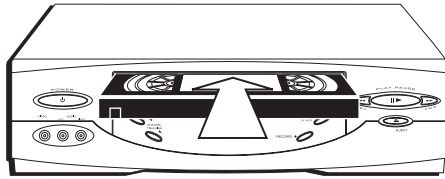




Connections & Setup

VCR Basics

Once your initial settings are complete, you can begin using your VCR. In order to begin, you must first understand some basic concepts.



Automatic Tracking

The VCR has automatic tracking which adjusts the picture when playing back a tape recorded on another VCR. To adjust tracking manually, use the TRACKING +/- buttons on the remote control.

Playing a Tape

1. Tune the TV to your VCR viewing channel (03, 04, or the video line input).
2. Insert a tape in the VCR.

If the Auto Play feature is set to ON, the tape automatically begins playback (if the safety tab on the tape is removed).

- Press FWD or REV (FORWARD or REVERSE on the remote control) to cue the tape at the desired starting position.
- Press PLAY (if necessary) to begin tape play.
- Press PAUSE for stop action.
- Press TRACKING up or down (TRACKING + or – on the remote control) to remove any streaks from the picture, if necessary.
- Press STOP to stop playback.

Automatic Rewind

The VCR automatically rewinds the tape if it reaches the end of the tape during playback. While rewinding, you can press the ON•OFF button and the VCR will turn off after finishing. If the tape has no safety tab, it will be ejected.

Tape Eject

Press the EJECT button on the VCR when stopped to eject the tape. You can also press and hold the remote control's STOP button for three seconds.

Recording

To Capture Programming with Basic Recording Methods:

1. Set the tape speed by pressing the SPEED button on the remote control (see Recording Speed on page 23 for information about recording speeds).
2. Press the RECORD button to begin recording.
3. Press the STOP button to halt recording.

If you just want to pause the recording for a short time (like during a commercial), press PAUSE instead of STOP.



Check the Safety Tab

No matter which recording option you use, make sure there is a tape in the VCR with its safety tab in place. You cannot record on a tape with its safety tab removed. If the safety tab is removed and you want to record, simply cover the hole with adhesive tape.





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Using the VCR's Menu System

Chapter Overview:

- Using On-Screen Menus
- Cable Box Setup
- Setting Time and Date
- Setting VCR Preferences

Changing Entertainment. Again.





Using On-Screen Menus

Using On-Screen Menus to Set Up Features

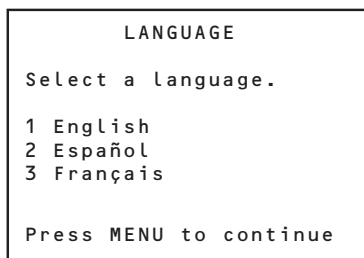
You set up many of the VCR's features by using the menu system as discussed in the previous chapter. Each feature that appears in the QuickSet Guide is explained in this section as well as a few other features you should set up to get the most out of your VCR.

Note: Not all the VCR screens are shown in this manual when explaining how to access features.

Language

Selecting your preferred language determines how the on-screen displays will appear. To change the language:

1. Press MENU to display the *VCR MAIN MENU*.
2. Press the 8 button to select *LANGUAGE*.
3. Select English, Spanish (Español), or French (Français).



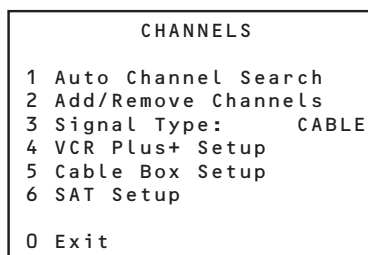
Is Something Missing?

These instructions will not show all of the step-by-step On-Screen Menus. Make sure to follow the instructions completely to get to the menus being discussed.

Cable Box Setup

This setup applies **only** when all channels are received through a cable box. In this case, the VCR will automatically enter the channel used to view cable box programming. Your VCR will use this channel for all future timer recordings.

1. Press MENU to display the *VCR MAIN MENU*.
2. Press 4 to display the *CHANNELS* menu.
3. Press 5 to display the *CABLE BOX SETUP* menu.





Using On-Screen Menus

CABLE BOX SETUP

Do you use your cable box to receive ALL channels or only SOME channels?

1 ALL channels
2 Only SOME channels
3 Cancel setup

4. Select one of the three choices. If "ALL Channels" is selected, enter the output channel of the cable box (usually 03 or 04), or if A/V jacks connect the VCR to the TV, press the INPUT button on the VCR's remote control.

CABLE BOX SETUP

The VCR will now receive all signals from the cable box on channel 04.

Press MENU to continue

5. Once you complete the setup, the VCR confirms that it will now receive all signals on the designated channel.

VCR Channels List

Your VCR may come with a list of channels preset at the factory. Even though it may come with such a list, you might want to add or delete certain channels.

Note: If you use a cable box to view *all channels*, this step is not necessary.

Auto Channel Searching

Notes: Use Auto Channel Search to place all available channels in memory.

If you ever change cable or antenna signals, you may need to run the Auto Channel Search feature again.

1. Press the MENU button to display the *VCR MAIN MENU*.
2. Press 4 to select *CHANNELS*.
3. Press 1 to select *AUTO CHANNEL SEARCH*.
4. Select one of the three options:

AUTO CHANNEL SEARCH

What type of signal are you using?

1 Cable TV
2 Antenna
3>Detect Automatically
0 Cancel

Cable TV searches for cable stations.

Antenna searches for local broadcast stations.

Detect Automatically decides which input to use for you.

Note: With *Detect Automatically*, a strong cable or antenna signal in your area may cause channels to be detected inaccurately. If this should happen, manually select the input signal for the system you have.

The VCR begins scanning for channels available in the area (taking about one-to-two minutes). When scanning is complete, the VCR tunes to the lowest channel available. After completing Auto Channel Search, pressing the remote control's CHAN + or - buttons should only select active channels.



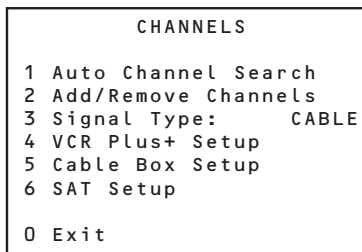


Using On-Screen Menus

Changing the Signal Type

This feature is useful if your cable signal goes out; it allows you to switch to a regular antenna for alternate television reception.

1. Press the MENU button to display the *VCR MAIN MENU*.
2. Press the 4 button to choose *CHANNELS*.
3. Press 3 to choose between *Signal Type: Cable and Antenna*. When finished, press 0 to exit back to the Main Menu and 0 again to exit to normal viewing.

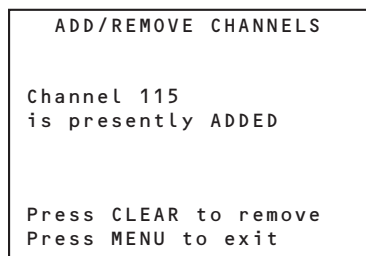


Adding or Removing Channels

You might want to add or remove channels after using Auto Channel Search, especially if there are weak signals or channels with content you don't care for.

1. Press the MENU button to display the *VCR MAIN MENU*.
2. Press 4 to choose *CHANNELS*.
3. Press 2 to choose *ADD/REMOVE CHANNELS*. To go to the channel you want to add or remove, use the remote control's CHANNEL + or - buttons or enter a specific channel number using the number buttons.

Once the desired channel is displayed, the on-screen menu will tell you if the channel is currently in the VCR's viewing list. Press the CLEAR button to remove a channel from the available channels list or press the INFO button to add it.



4. Press the MENU button to exit out of the menus.

Note: To view active channels, use the remote control's CHANNEL + and - buttons. You can also access channels not available in the active channel list by using the remote control's number buttons to enter the specific channel number.





Using On-Screen Menus

Time and Date

Your VCR gives you two ways to set the time and date; manually or by using the Auto Clock Set feature. Using Auto Clock Set enables the time to be updated each time the VCR is turned off by using time and date information carried in certain broadcast signals.

Auto Clock Set Feature

The Auto Clock Set feature is set to *ON* by default at the factory. In the *ON* setting, the VCR looks for a channel carrying time data and updates the clock automatically. In order for Auto Clock Set to work properly though, certain steps must first be completed such as Auto Channel Search, setting the time zone, and setting the Daylight-Saving feature.

Notes: Auto Clock Set is available only in limited areas.

You must set available channels, time zone, and Daylight-Saving settings for Auto Clock Set to work.

When using Auto Clock Set with a cable box, the VCR will not reset the clock after a power outage unless the cable box is tuned to the channel carrying time data.

If the time does not automatically set after trying for ten minutes, manually set the time and date information using the *TIME* menu (see the next page for information on manually setting time and date information).

To Turn Auto Clock Set ON

Note: make sure that available channels, time zone, and Daylight-Saving features are set before turning on Auto Clock Set.

1. Press MENU to display the *VCR MAIN MENU*.
2. Press 3 to choose *TIME*.
3. Press the 2 button repeatedly to toggle between *Auto Clock Set ON* and *OFF*.

```

      TIME
1 Set Time and Date
2 Auto Clock Set:  ON
3 Set Time Zone
4 Set DayLight Saving

Time Data was found
on channel 20.

0 Exit

```

Setting the Time Zone

1. Press MENU to display the *VCR MAIN MENU*.
2. Press 3 to choose *TIME*.
3. Press 3 to chose *SET TIME ZONE*.
4. Select your time zone by pressing the corresponding number button.

If you select *Automatic* for your time zone, the VCR sets the clock using the first time information it finds. If the time set is not correct, select another time zone or set the time and date through the menu system.

```

      SET TIME ZONE
What is your Time Zone?
1 Eastern
2 Central
3 Mountain
4 Pacific
5 Alaska
6 Hawaii
7>Automatic
Press MENU to continue

```





Using On-Screen Menus

Setting Daylight-Saving Time

1. Press MENU to display the *VCR MAIN MENU*.
2. Press 3 to choose *TIME*.
3. Press 4 to choose *SET DAYLIGHT SAVING*.

```

      TIME
  1 Set Time and Date
  2 Auto Clock Set:  ON
  3 Set Time Zone
  4 Set Daylight Saving

Time Data was found
on channel 20.

0 Exit

```

```

      SET DAYLIGHT SAVING

Does your area observe
Daylight Saving Time
from April to October?

1 Yes, DST is observed
2 No
3 Automatic
Press MENU to continue

```

4. Select the appropriate option.

Notes: DST stands for Daylight-Saving Time.

If you choose *Automatic* for the time zone, the VCR sets the clock using any DST information broadcast in the channel's signal.

Displaying Time and Date

Pressing the *INFO* button on the remote control or *VCR* displays the time and date on screen temporarily.

Setting Time and Date Manually

If Auto Clock Set was unsuccessful, set the time and date manually in the *TIME* menu. Auto Clock Set is automatically turned off when time and date information is set this way.

1. Press MENU to display the *VCR MAIN MENU*.
2. Press 3 to choose *TIME*.
3. Press 1 to choose *SET TIME AND DATE*.

```

      TIME
  1 Set Time and Date
  2 Auto Clock Set:  ON
  3 Set Time Zone
  4 Set Daylight Saving

Time Data was found
on channel 20.

0 Exit

```

```

      SET TIME AND DATE

Time --:--
      (hh:mm)

Date --/--/--

Press MENU to cancel

```

4. Enter the data using the number buttons. Press 0 before single-digit numbers and follow the on-screen directions to exit the menus.





Using On-Screen Menus

PREFERENCES		
1	Remote Control:	VCR1
2	Auto Play:	ON
3	Auto TV/VCR:	ON
4	EnergySaver:	2:00
5	Front Panel:	AUTO
6	Tape Speed:	SLP
7	Set Auto Repeat	
8	COMMERCIAL ADVANCE	
0	Exit	

The PREFERENCES menu allows changes to be made to a variety of different VCR features.

Additional Set Up Features in the Preferences Menu

Note: The features described on the following pages are all accessed through the *PREFERENCES* menu.

To Access the *PREFERENCES* menu:

1. Press MENU to display the *VCR MAIN MENU*.
2. Press 6 to select *PREFERENCES*.

You are now ready to select an item from the *PREFERENCES* menu to set up.

Remote VCR1/VCR2 Option

Some universal remote controls have buttons labeled VCR1 and VCR2. These remotes can operate up to two VCRs. If you have a universal remote control with this ability, your RCA VCR can be controlled with either the VCR1 or VCR2 button. See the documentation that came with your universal remote control for details about programming it to operate your RCA VCR.

In the *PREFERENCES* menu, press 1 to select the *Remote Control* feature. Then press the VCR2 button on your universal remote control to change the setting.

Then, the VCR will respond to the universal remote control's VCR2 button. To change the remote control setting back to VCR1, display the *PREFERENCES* menu, press 1, and then press the VCR1 button on the universal remote control.

Note: Remember you must press VCR1 or VCR2 on a universal remote control (not included) —whichever is selected in the *PREFERENCES* menu— before the remote control will operate the VCR.

Auto Play

With Auto Play turned ON (the factory default setting), the VCR automatically starts playback when you insert a tape with its safety tab removed.

To Access Auto Play:

1. In the *PREFERENCES* menu, press 2 repeatedly to switch between *Auto Play: ON* and *OFF*.
 - Select *ON* if you want a tape with its safety tab removed to start playing automatically when inserted.
 - Select *OFF* if you *do not* want a tape with its safety tab removed to start playing automatically.





Using On-Screen Menus

PREFERENCES	
1 Remote Control:	VCR1
2 Auto Play:	ON
3 Auto TV/VCR:	ON
4 EnergySaver:	2:00
5 Front Panel:	AUTO
6 Tape Speed:	SLP
7 Set Auto Repeat	
8 COMMERCIAL ADVANCE	
0 Exit	

The PREFERENCES menu allows changes to be made to a variety of different VCR features.

Auto TV/VCR

To control whether the VCR's TV/VCR setting changes automatically to VCR-viewing mode when turned on, use the Auto TV/VCR setting.

To Access Auto TV/VCR:

In the PREFERENCES menu, press 3 repeatedly to toggle between *Auto TV/VCR: ON* and *OFF*.

Note: Pressing the TV•VCR button on the remote control will switch between VCR and TV-viewing modes. When in VCR-viewing mode, VCR is displayed on the front panel. The VCR indicator turns off when in TV-viewing mode.

- Select *ON* to switch VCR-viewing mode on automatically when the power is turned on. The VCR must be connected to the TV using the supplied RF coaxial cable.
- Select *OFF* to remain in the TV-viewing mode when the VCR is initially turned on. Leaving Auto TV/VCR off is useful if you use A/V cables to connect the VCR to the TV and you watch the VCR's picture using the TV's Video Line Input. This way, the antenna/cable signal will not be interrupted by the VCR.

EnergySaver

By default, the VCR automatically turns off after two hours of inactivity. This can be changed in the PREFERENCES menu by pressing the 4 button repeatedly to change the time delay or to disable the feature altogether.

- Select *OFF* and the VCR will stay on until you shut it off.
- Select *1:00*, *2:00*, or *3:00* and the VCR will turn off after one, two, or three hours of inactivity.

Thirty seconds before automatically shutting off, the VCR displays an on-screen message reading, *The VCR will turn off in 30 seconds. Press any key to cancel.* Pressing any remote control or VCR front panel button will halt the countdown.

If you use the VCR's tuner instead of your TV to view channels, you may want to turn off this feature.

Front Panel Brightness (VCR Display)

You can change the brightness level of the VCR's front panel display. In the PREFERENCES menu, press the 5 button repeatedly to toggle between options:

- *AUTO* means the display brightens when the VCR is on and dims when the VCR is off.
- *BRIGHT* keeps the display bright whether the VCR is on or off.
- *DIM* keeps the display at a low brightness level whether the VCR is on or off.





Using On-Screen Menus

Recording Speeds

SP (Standard Play)

Gives the best quality recording, but fewer programs can be recorded on the tape.

SLP (Super Long Play)

Gives three times the recording time of tapes recorded in SP mode.

Recording Times

Cassette	SP	SLP
T-120	2 Hr	6 Hr
T-160	2 Hr/40 Min	8 Hr

Tape Speed

You can choose as the preferred recording tape speed either Standard Play (SP) or Super Long Play (SLP). The speed selected appears in the VCR's front display panel and in timer and VCR Plus+ system recording menus.

To Select a Preferred Tape Speed:

- In the *PREFERENCES* menu, press the 6 button repeatedly to switch between *SP* and *SLP* settings.

Note: For an explanation of recording speeds, see the note to the left.

To Override the Preferred Tape Speed:

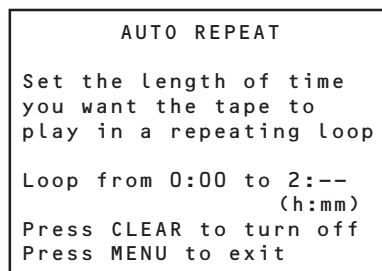
- Press the *SPEED* button on the remote control.
- Set the tape speed in the timer or VCR Plus+ system recording menus.

When you turn off the VCR, the tape speed reverts to the one selected as the default.

Set Auto Repeat

A tape can be set to play the same segment over and over in a repeating loop with the Set Auto Repeat feature. Set Auto Repeat uses the VCR's memory counter to determine the duration of the loop.

In the *PREFERENCES* menu, press the 7 button to choose *Set Auto Repeat*. The *SET AUTO REPEAT* menu will ask for an ending time for the loop to be specified:



- The *CLEAR* button will erase all three numbers entered and move the cursor back to the first position (hours).
- The *Press CLEAR to turn off* message will appear only after the first number has been entered into the end time.
- Auto Repeat is set back to *---* by resetting the dialog box, ejecting a tape, powering off the VCR, power interruption, or by recording start.

When a duration time has been set:

- The VCR will automatically switch to rewind if the counter meets or goes past the set Auto Repeat duration.
- The VCR will automatically switch to playback during rewind if the counter equals or is less than 0:00.
- The Auto Repeat may be adjusted by setting the counter to 00:00. This can be done by pressing the *CLEAR* button while the tape counter is on screen or on the front panel display.
- The counter will not reset while rewinding in an Auto Repeat loop.





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Using the Remote Control

Chapter Overview:

- Buttons on the Remote Control
- Programming the Remote to Operate Other Components
- How To Use the Remote After You've Programmed It

Changing Entertainment. Again.



Using the Remote Control

Remote Control Buttons

The backlit remote has a light button (☉) that glows in the dark. Press this button to light the buttons on the remote. The remote buttons remain lit when they are pressed within a few seconds of each other. If a button is not pressed within approximately seven seconds, the light turns off to conserve battery power.

The remote control is capable of controlling your VCR and many brands of televisions. If you have an RCA, GE, or Proscan TV, you may be able to control it without having to program the remote.



Component Buttons

ON•OFF Turns off VCR when remote is set to control the VCR. Also turns some compatible components on and off.

TV Turns on a compatible RCA, GE, or PROSCAN TV and sets the remote to control the TV. Also used with the ON•OFF button to turn on a different brand of TV (if programmed) and sets the remote to control the TV.

VCR Turns on a compatible RCA, GE, or PROSCAN VCR and sets the remote to control the VCR.

VCR Function Buttons

CHAN Up or Down Selects next higher or lower channel in the VCR's channel memory.

CLEAR Resets time counter to 0:00:00. Allows you to change entries when setting the clock or a timer recording.

F. ADV Lets you view one frame with each press of the button when tape is in pause.

FORWARD Fast forwards the tape when the VCR is stopped. Searches forward through a tape during playback. Starts slow motion during play-pause and increases slow-motion speed.

GO BACK Switches between two channels. Select one channel and then select another using the number buttons. Press GO BACK to switch between the two channels. In menu mode, press to go back to a previous menu.

INFO Shows the status displays on the TV screen.

INPUT Selects between the VCR's line input or tuner. Line input refers to the signal coming from the component connected to the AUDIO/VIDEO IN jacks on the back (L1) or front (L2) of the VCR.

MENU Brings up VCR MAIN MENU on the TV screen.

Numbers (0 through 9) Select a channel up to 99 by pressing two numbers. Select a cable channel over 99 by pressing and holding 1 until 1 -- appears on the screen. Then press the other two numbers.



Using the Remote Control

PAUSE Pauses playback or recording. Press PAUSE a second time to return to playback or recording.

PLAY Plays a tape.

RECORD Starts VCR recording. Also used for Express recording.

REVERSE Rewinds the tape when the VCR is stopped. Searches backward through a tape during playback. Starts slow motion during play-pause and decreases slow-motion speed.

SEARCH Displays INDEX and GO-TO Search menus on screen when the VCR is stopped. Advances the tape forward through 30 seconds of recorded material during playback. Each press advances the tape an additional 30 seconds (up to five minutes). This button also displays the MOVIE ADVANCE screen for prerecorded movies and starts COMMERCIAL ADVANCE skipping during playback.

SPEED Selects a recording speed (SP or SLP).

STOP Stops the current VCR function such as record, playback, rewind, or fast forward.

TRACKING Up or Down Lets you manually reduce the streaks that may appear on the picture during play, slow motion, or pause. Reduces picture "jitter" during stop-action playback.

TV•VCR Switches the picture signal so that it either comes from the VCR or cable/antenna system.

TV Function Buttons

CHAN Up or Down Selects next higher or lower channel in the TV's channel memory.

CLEAR Removes menus or status displays from the screen.

GO BACK Switches between two channels. Select one channel and then select another using the number buttons. Press GO BACK to switch between the two channels.

INFO Shows the TV's status displays on the TV screen.

INPUT Selects between the TV's input channel or tuner. Press to see the VCR signal if you connected your VCR using the AUDIO/VIDEO jacks.

MUTE Reduces volume to minimum level.

Numbers (0 through 9) Select a channel up to 99 by pressing two numbers. Select a cable channel over 99 by pressing and holding 1 until 1 -- appears on the screen. Then press the other two numbers.

ON•OFF Turns a compatible TV off and on.

VOL Up and Down Raises and lowers sound of TV.





Using the Remote Control

Using the INPUT Button

Use the INPUT button to toggle through the available Video Line Input sources (L1, L2, and regular broadcasting signals) and regular broadcast signals. Video Line Input allows you to view the image from a connected device (like a camcorder) through the VCR.

1. Press the remote control's VCR button to activate VCR-controlling mode. Make sure that the VCR is turned ON.
2. Press the remote control's INPUT button to tune to the Video Line Input source. L1 represents the rear A/V jacks and L2 represents the front A/V jacks.
3. Press the INPUT button again to tune back to the broadcast signal you were previously watching through the VCR.

Operating a TV with the VCR's Remote Control

The remote control that came with your VCR can be programmed to operate most brands of remote-controllable TVs and should already control most RCA, GE, and Proscan models without programming.

Do You Need to Program the Remote?

To determine whether the remote control needs to be programmed to operate your TV, turn the TV on, point the remote control at it, then press the remote control's TV button (this puts the remote control into TV-operating mode and should automatically turn on most RCA, GE, and Proscan TVs). Press the remote control's ON•OFF button to see if the TV responds to the command. If not, the remote control needs to be programmed to control that model TV.

Programming the Remote Control

To program your remote control, you must use the code list on the next page. Look up the brand name of your TV and the code(s) that brand uses.

Notes: This remote control may not operate all models of the brands shown in the code list.

Note the difference between the TV and VCR on-screen displays to know which component the remote control is operating.

1. Turn on the TV.
2. Find your TV brand and code number(s) in the code list.
3. Press and hold the TV button on the remote control.
4. Enter the code from the code list.
5. Release the TV button, then press the CHAN up or down button. If the TV responds to the remote control's command, the remote is programmed.
6. If the TV does not respond, repeat these steps using the next code listed for your TV's brand.