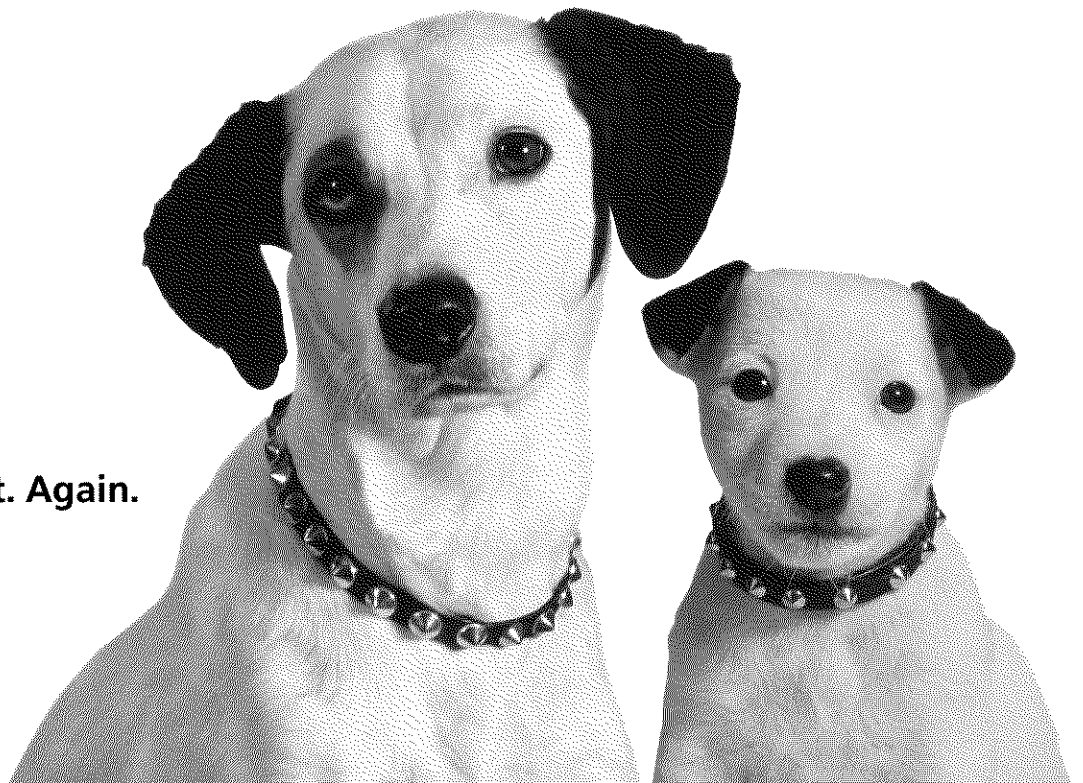


# **RCA**

## **TV/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.

## WARNING

RISK OF ELECTRIC SHOCK  
DO NOT OPEN

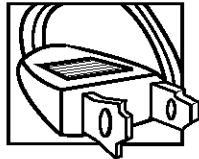
To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



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.

**If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the picture tube. Such images include network logos, phone numbers, and video games. This damage is not covered by your warranty. Extended viewing of channels displaying these images should be avoided.**

**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 television.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Dealer/Address/Phone: \_\_\_\_\_

## Key Features Overview

Your TV/VCR is equipped with features that will add to your TV/VCR viewing experience. The following information summarizes a few of these features. Chapter 2 provides more information about the rest of the TV/VCR's features and how to use them.

V-CHIP		RATING		LIMIT		
1	2	3	4	5	6	7
Rating	Status	D	L	S	V	FV
TV-MA	View	V	V	V		
TV-MA	V	LSV			TV-G	V
TV-14	V	DLSV			TV-Y7	VFV
TV-PG	V	DLSV			TV-Y	V

Press MENU to exit

## V-Chip: Parental Controls

**Description:** You can block programs and movies by content, age-based ratings, and/or movie ratings.

### Requirements:

- Set up the *Parental Controls* menu in the TV/VCR's main menu (Chapter 2 has details).
- The broadcasters must use the rating system when they send the program to your TV/VCR in order for your TV/VCR to block the program.

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# Table of Contents

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## Introduction

<b>Key Features Overview</b> .....	<b>1</b>
V-Chip: Parental Controls .....	1

## Chapter 1: Connections & Setup

<b>Things to Consider Before You Connect</b> .....	<b>6</b>
Protect Against Power Surges .....	6
Protect Components from Overheating .....	6
Position Cables Properly to Avoid Audio Interference .....	6
Important Stand and Base Safety Information .....	6
Use Indirect Light .....	6
Connection Pictures .....	6
<b>Choose Your Connection</b> .....	<b>7</b>
<b>Connection: TV/VCR + Antenna</b> .....	<b>8</b>
<b>Connection: TV/VCR + Cable Box</b> .....	<b>9</b>
Set the Menu Language (Escoja un idioma/Choisissez une langue) .....	10
<b>Initial Setup</b> .....	<b>10</b>
Adding or Removing Channels .....	11
Setting the Signal Type (optional) .....	11
Complete Auto Channel Search .....	11
<b>VCR Basics</b> .....	<b>12</b>
Playing a Tape .....	12
Automatic Rewind .....	12
Basic Recording .....	12
Checking the Safety Tab .....	12
<b>The Buttons on the Remote Control</b> .....	<b>13</b>

## Chapter 2: Using the TV/VCR's Features

<b>Parental Controls and V-Chip</b> .....	<b>16</b>
How V-Chip Works .....	16
V-Chip TV Rating Limit .....	17
Blocking Specific Content Themes .....	19
Viewing Specific Content Themes .....	20
V-Chip Movie Rating Limit .....	20
V-Chip Unrated Program Block .....	21
Front Panel Block .....	22
Lock/Unlock Parental Controls .....	22
<b>Recording Features</b> .....	<b>23</b>
Recording Speeds .....	23
Recording Pause .....	23
Types of Recording .....	23
Express Recording (XPR) .....	24
Timer Recording .....	25
<b>Picture Search Options</b> .....	<b>27</b>
<b>Tracking</b> .....	<b>29</b>
<b>Time Counter</b> .....	<b>29</b>

# Table of Contents

---

## Chapter 3: Using the TV/VCR's Menu System

How to Use Your TV/VCR's Menu System .....	32
Screen Menu .....	32
Time Menu .....	33
Additional Setup Features in the Menu .....	34

## Chapter 4: Other Information

Troubleshooting .....	36
Care and Cleaning .....	40
Front Panel .....	41
RCA TV/VCR Limited Warranty .....	42
Index .....	45

# Connections & Setup

## Chapter Overview:

- Things to Consider Before You Connect
- Choose Your Connection
- Connections
- Plug in the TV/VCR
- Put Batteries in the Remote
- Turn on the TV/VCR
- Initial Setup
- VCR Basics
- Buttons on the Remote Control

**Changing Entertainment. Again.**



## Things to Consider Before You Connect

### Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV/VCR and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your TV/VCR.

### Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

### Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV/VCR, route all cables down the side of the back of the TV/VCR instead of straight down the middle of the back of the TV/VCR.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

### Important Stand and Base Safety Information

Choose the location for your TV/VCR carefully. Place the TV/VCR on a stand or base that is of adequate size and strength to prevent the TV/VCR from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV/VCR. Refer to the Important Safeguards sheet packed with your TV/VCR.

### Use Indirect Light

Don't place the TV/VCR where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.


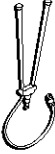


### Connection Pictures

Audio/video cables are usually bundled together. For better visibility, the connection pictures in this book show each cable separately (audio left, audio right, and video).



## Choose Your Connection

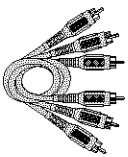
There are several ways to connect your TV/VCR. Please use the following chart to determine which connection is best for you. Proceed to the appropriate page and connect your TV/VCR.

Components	Cables Needed	Connection Title	Go to...
 TV/VCR  Antenna		TV/VCR + Antenna	page 8
 TV/VCR  Cable Box	Coaxial Audio/video	TV/VCR + Cable Box	page 9

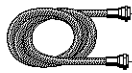
## Cables Needed to Connect Components to Your TV/VCR

The pictures below show the cables needed for the connections represented in this book.

*Notes: Audio/Video cables (A/V cables for short) are usually sold as a bundled set, but the connection pictures in this book show each cable separately for better visibility.*



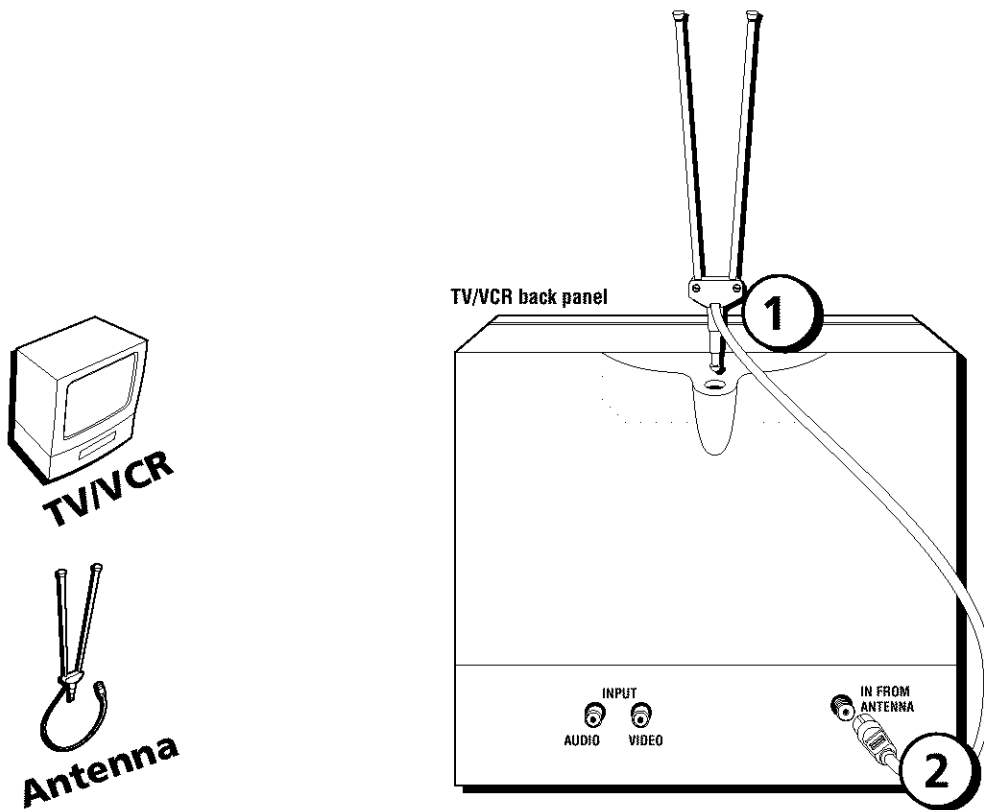
Audio/Video cables



Coaxial cable

# Connections & Setup

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*Do not connect a dipole antenna if you plan to connect a different type of indoor or outdoor antenna or cable system. This connection may require additional accessories not provided.*

## Connection: TV/VCR + Antenna

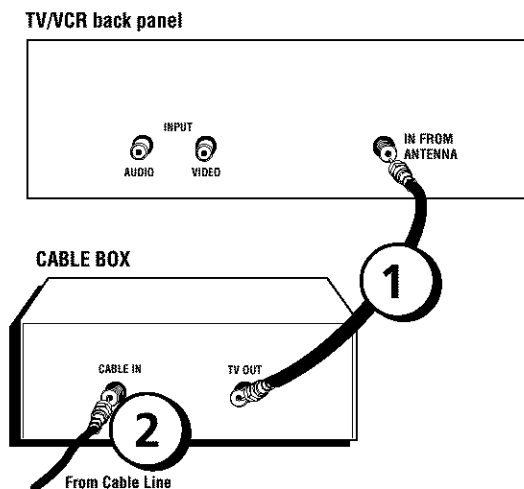
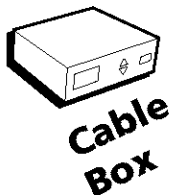
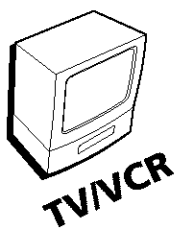
### 1. Insert your antenna into your TV/VCR

Insert the antenna base into the pocketed slot on the back of your TV/VCR until it locks into place.

### 2. Connect the cable to your TV/VCR

Connect the cable from the antenna adapter to the IN FROM ANTENNA or IN FROM ANT jack on the back of the TV/VCR.

**Go to page 10**



## Connection: TV/VCR + Cable Box

### 1. Connect the cable box to TV/VCR

Connect a coaxial cable to the TV OUT Jack on the cable box and to the IN FROM ANTENNA jack on the TV/VCR.

### 2. Connect the cable line to your cable box

Connect the coaxial cable feed to CABLE IN Jack on the cable box.

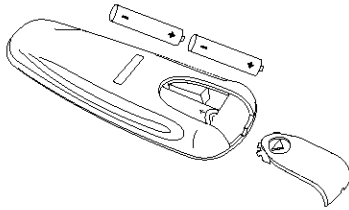
**Go to page 10**

# Connections & Setup

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## Plug in the TV/VCR

Plug the end of the power cord into the wall outlet. Match the wide blade of the plug with the wide slot in the outlet. Insert the plug completely into the outlet.



## Put Batteries in the Remote

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

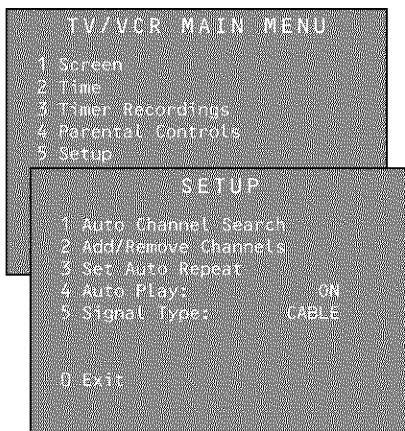
## Turn on the TV/VCR

Press **POWER** on front of the TV/VCR or press **TV** or **VCR** on the remote. The indicator in the **POWER** button on the front of the TV/VCR will light when the TV/VCR is on.

## Set the Menu Language (Escoja un idioma/Choisissez une langue)

Your TV menu language is set to English. If you need to set your TV/VCR to a different language, follow these steps:

1. Press **Menu** on the remote to display the *TV/VCR MAIN MENU*.
2. Press **1** to select the *SCREEN* menu.
3. Press **3** to choose between English, Spanish and French.



## Initial Setup

There are several preferences to choose from that customize your TV/VCR, such as setting channels and signal type. To complete the initial setup press **MENU** to access the *TV/VCR MAIN MENU*, then press **5** to select **Setup**. Complete the following steps to setup your TV correctly.

## Complete Auto Channel Search

The Auto Channel Search allows the TV/VCR to search for all channels viewable through your antenna or cable TV system. This is sometimes called “auto programming.”

1. Press MENU on the remote to display the *TV/VCR MAIN MENU*.
2. Press 5 to display the *SETUP* menu.
3. Press 1 to start Auto Channel Search.

Allow the TV/VCR to search for all channels. Pressing any buttons during the Auto Channel Search will stop the search and only some channels will be in the TV/VCR's memory. When the search is complete the TV/VCR will automatically tune to the first channel in the channel memory list.



## Adding or Removing Channels

You might want to add or remove channels if some of them are not active, have weak signals, or you do not want them in your channel memory. A channel that has been removed can still be selected by pressing the remote control's number buttons.

1. Press MENU on the remote to display the *TV/VCR MAIN MENU*.
2. Press 5 to display the *SETUP* menu.
3. Press 2 to display the *ADD/REMOVE CHANNELS* screen. Follow the on-screen directions to add or remove a channel.
4. You can add or remove more channels by entering the channel number or pressing CHAN up or down.



## Setting the Signal Type (optional)

The TV/VCR automatically selects the signal type (cable or antenna) for you during the Auto Channel Search. If you want to change the signal type, follow the directions below.

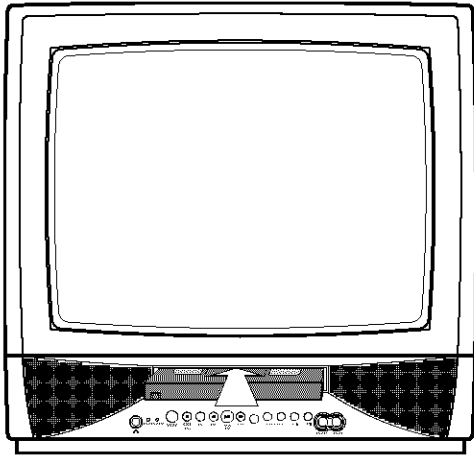
1. Press MENU on the remote to display the *TV/VCR MAIN MENU*.
2. Press 5 to display the *SETUP* menu.
3. Press 5 to choose between the ANTENNA and CABLE.

After changing the signal type, you might need to re-enter the channel number you are trying to receive. You might also need to run the Auto Channel Search again.



## VCR Basics

Now that you've finished the initial setup, you can watch TV. You can also begin using your VCR. In order to begin, you must first understand some basic concepts.



### Playing a Tape

1. Insert a tape in the TV/VCR.

If the Auto Play feature is set to ON, the tape automatically begins playback (if the safety tab on the cassette is removed). See Chapter 3 for more details on Auto Play.

- Press F.FWD or REW (FF or REW on the remote) to position the tape.
- 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 tape play.
- Press EJECT on the TV/VCR to eject the tape. You can also press and hold the stop button on the remote control for three seconds.

### Automatic Rewind

The TV/VCR automatically rewinds the tape when it reaches the end of the cassette during playback. While rewinding, you can press the OFF button on the remote and the TV/VCR will eject the tape and turn off after rewinding.

### Basic Recording

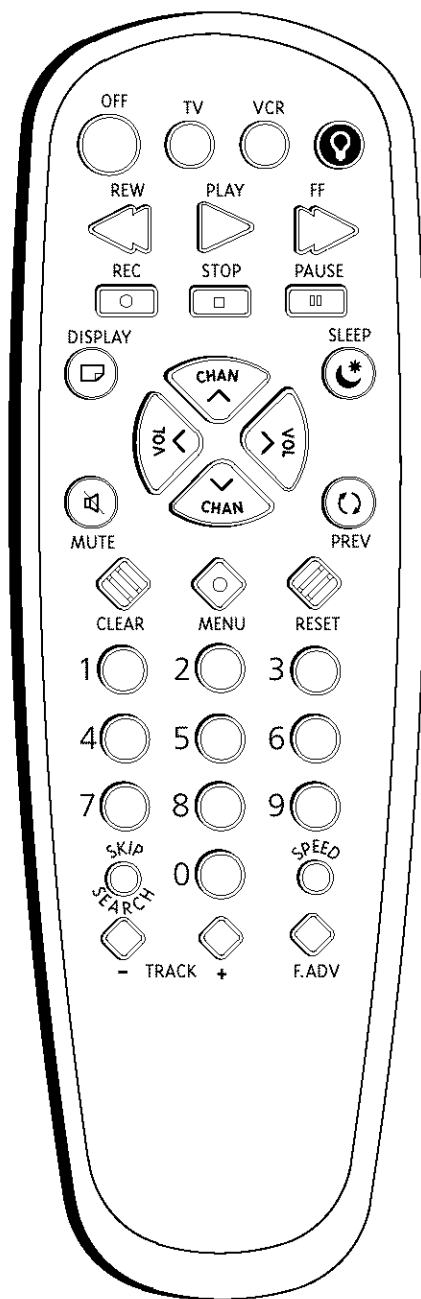
1. Set the tape speed by pressing the SPEED button on the remote. See Chapter 2 for more details on tape speed.
2. Press the RECORD button to begin recording.
3. Press STOP when you want to stop recording.

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

### Checking the Safety Tab

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

## The Buttons on the Remote Control



Your backlit remote has a light button (☉) that glows in the dark. Press this button to light the CH  $\wedge$ /V and VOL  $\langle$ / $\rangle$  buttons. 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.

**0-9 (Number buttons)** Enter channel numbers and time settings directly through the remote control.

To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit for two seconds until two dashes appear to the right of the number, then add the second two. Example: to tune to channel 123, press and hold 1 for two seconds, press 2, then press 3.

**CH (up and down) buttons** Scan up or down through stored channels. Press once to change the channel up or down; press and hold to continue changing channels.

**CLEAR** Removes any menu or display from the screen and returns you to TV viewing.

**DISPLAY** Displays TV/VCR's current status. Displays time counter when a tape is inserted. Press again to remove display.

**F. ADV (Frame Advance)** Advances the tape one frame at a time when the tape is in PAUSE mode. Also fast forwards the tape through a commercial when a tape is playing.

**FF (Fast Forward)** Fast forwards the tape when the TV/VCR is stopped. Also searches the picture in forward motion during playback.

**MENU** Displays the TV/VCR's Main menu.

**MUTE** Lowers the TV/VCR volume to its minimum level. Press again to restore volume.

**OFF** Turns the TV/VCR off.

**PAUSE** Pauses the tape during playback. Also pauses the tape during recording to prevent recording of unwanted scenes.

**PLAY** Plays a tape.

**PREV (Previous channel)** Switches between the last two channels selected.

**REC (Record)** Starts TV/VCR recording. Used for express recording.

**RESET** Resets video functions to factory settings. Also used to reset time for wake-up timer and alarm.

**REW (Rewind)** Rewinds the tape when the TV/VCR is stopped. Also searches the picture in reverse during playback.

# Connections & Setup

---

**SKIP/SEARCH** Operates Commercial Skip during TV viewing. (This only works when there is no tape in the TV/VCR). Displays INDEX, ZERO, and BLANK search screens when tape is inserted in the TV/VCR. Operates Commercial Scan by advancing tape 60 seconds during playback.

**SLEEP** Sets TV/VCR to automatically turn off in 30, 60, 90, or 120 minutes

**SPEED (Tape Speed)** Selects a recording speed (SLP, SP, or LP).

**STOP** Stops functions such as record, play, rewind, fast forward, and pause.

**TRACK - and + (Tracking down and up)** Allows the manual reduction of streaks which may appear on the picture during regular or slow-motion playback. Reduces picture "jitter" during stop-action (paused) playback.

**TV** Turns on the TV/VCR.

**VCR** Turns on the TV/VCR.

**VOL (up and down) buttons** Decrease or increase the TV/VCR volume.



# Using the TV/VCR's Features

### Chapter Overview:

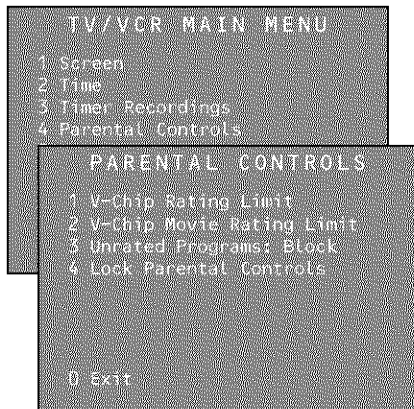
- Parental Controls and V-Chip
- Recording Features
- Picture Search Options

**Changing Entertainment. Again.**



# Using the TV/VCR's Features

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## Parental Controls and V-Chip

The *Parental Controls* menu allows you to program your TV/VCR so that children cannot see certain programs, channels, or use the front panel controls. The first three choices in the *Parental Controls* menu involve software inside your TV/VCR (referred to as V-Chip) which allows you to block TV programs and movies based on violence, sex, or other content you may believe children should not view. In other words, it lets you program your TV/VCR so it won't display certain programs.

Once you block programs, you or other adults can unblock programs by entering a password.

By default, the software inside your TV is turned "off," so if you don't want to use this feature, you can just ignore it.

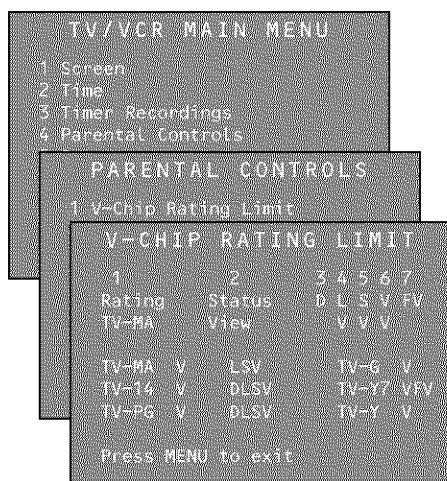
## How V-Chip Works

When turned "on," the V-Chip software reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains, you will receive the message, "This channel is not approved for viewing," when you tune to that particular channel.

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of "Not Rated," and programs that are considered "unrated" because no code has been sent by the broadcaster. The TV age-based ratings and content themes you can block are listed in the following table.

# Using the TV/VCR's Features

Age-Based Rating	Description and Content Themes for Age-Based Ratings
<b>TV-MA</b>	<b>Mature Audience Only.</b> Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).
<b>TV-14</b>	<b>Parents Strongly Cautioned.</b> Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).
<b>TV-PG</b>	<b>Parental Guidance Suggested.</b> Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).
<b>TV-G</b>	<b>General Audience.</b> Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).
<b>TV-Y7</b>	<b>Directed to Children 7 years and older.</b> Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.
<b>TV-Y</b>	<b>All Children.</b> Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.



## V-Chip Rating Limit

The *V-Chip Rating Limit* lets you decide which TV programs can and cannot be viewed.

To set TV programming limits:

1. Press MENU on the remote to display the *TV/VCR MAIN MENU*.
2. Select *Parental Controls* (press 4).
3. Select the *V-Chip Rating Limit* (press 1).
4. Use the number buttons 1-7 to change the status of TV program rating.

The following sections give you more details about how to change the status of TV program limits.

# Using the TV/VCR's Features

## The V-Chip Rating Limit Screen

The following is an example of where items are located within the Rating Limit screen.

**Rating Status Field**  
Lets you select whether the status of the age-based rating limit to the left is View or Block.

**Rating Field**  
Lets you select from a list of age-based ratings you can block or view.

**Content Themes**  
Lists the content themes you can block or view.

**Content Status Fields**  
Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View (V) or Block (B).

1	2	3	4	5	6	7
Rating	Status	D	L	S	V	FV
TV-MA	View	V	V	V	V	V
TV-14	V	LSV	DLSV	TV-G	V	V
TV-PG	V	DLSV	TV-Y7	VFV	V	V
		TV-Y	V			

Press MENU to exit

### Rating Settings Area

Lets you see the current block/view state of age-based ratings and associated content. The View (V) settings are coded in green, and the Block (B) settings are coded in red.

**Rating field**      **Rating status field**      **Content status fields**

1	2	3	4	5	6	7
Rating	Status	D	L	S	V	FV
TV-PG	Block	B	B	B	B	B
TV-MA	B	LSV	TV-G	V	V	V
TV-14	B	DLSV	TV-Y7	VFV	V	V
TV-PG	B	DLSV	TV-Y	V		

Press MENU to exit

### Tip

When you change the status of a rating to Block, the system will automatically block higher ratings and all corresponding content themes.

## Blocking Age-Based Ratings

You can automatically block all program ratings above a specified age-based rating level. For example, if you only want your child to watch programs that have a TV-G rating and lower (in other words, you want the child to watch TV-G, TV-Y7, and TV-Y), then you need to block out other programming with higher ratings.

To block programs with higher ratings:

1. First, determine the lowest level rating you don't want the child to watch (see chart of age-based ratings on next page).
2. Continuously press 1 on the remote to scroll through the age-based ratings. Keep scrolling until the rating corresponding with the lowest rating you do not want the child to watch appears on the screen.

In the example discussed above, you would press 1 until TV-PG appears, since the highest rating you want the child to watch is TV-G.

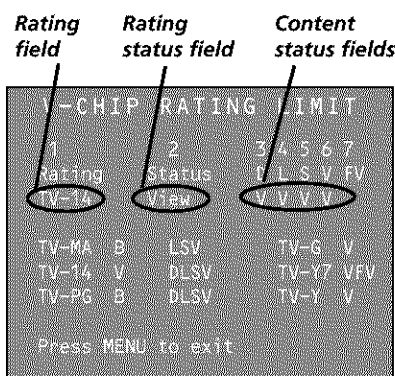
# Using the TV/VCR's Features

Hierarchy of Age-Based Ratings	
TV-MA	Mature Audience Only
TV-14	Parents Strongly Cautioned
TV-PG	Parental Guidance Suggested
TV-G	General Audience
TV-Y7	Directed to Children 7 years and older
TV-Y	All Children

- Press 2 to change the rating status from *View (V)* to *Block (B)*. The status for the rating listed to the left and all higher ratings automatically changes to *Block (B)*.
- Press MENU on the remote to return to the *Parental Controls* menu.

## Tip

To reset the ratings to *View* and *V*, press the **RESET** button on the remote.



## Viewing Age-Based Ratings

After you block age-based ratings, you have the option of changing some of the ratings back to *View*.

- Determine which blocked rating you want to view.
- Press 1 to scroll to the rating, such as TV-14, with a status of *Block*.
- Press 2 to change the status to *View*.

**Note:** The content status fields corresponding to the unblocked rating become *View* as well. They and the age-based rating status are the only fields that automatically change back to *View* when you complete this process.

**Note:** You must remember to lock Parental Controls for rating limits to take effect.

Content Themes	
D	Sexually explicit dialogue
L	Adult language
S	Sexual situations
V	Violence
FV	Fantasy Violence
TV-Y	All Children

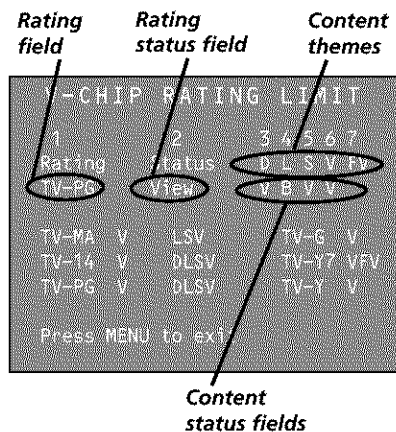
## Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the D, L, S, V, FV and TV-Y on your screen. See the beginning of this section for details.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

For example, if you do not want your child to watch programs that have adult language (L) rated TV-PG or higher, then you could block out all programming TV-PG and above containing adult language.

(Steps explained on next page)

# Using the TV/VCR's Features

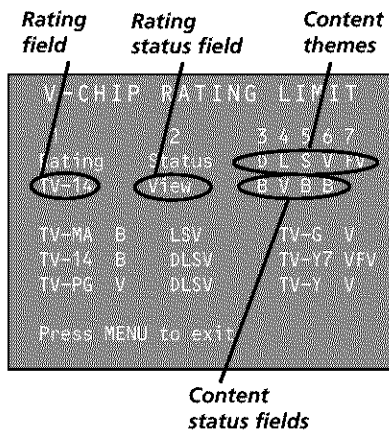


To block program content:

1. Determine the lowest level of content you don't want the child to watch.
2. Press 1 to scroll through the age-based ratings until the rating that corresponds with the lowest content you do not want the child to watch appears. (In the example above, you would scroll through the ratings until the TV-PG rating appeared.)
3. Press the number to select the field corresponding with the content theme you want to block out.
4. After you press the number, the *V* for the content theme should change to *B* in the content status field. All higher ratings' content theme will automatically change to *B*.
5. Press MENU to return to the *Parental Controls* menu.

**Note:** Broadcasters are not required to provide content themes or age-based ratings. Programs received with no content themes will only be blocked if you block their age-based rating.

**Note:** You must remember to lock Parental Controls for rating limits to take effect.

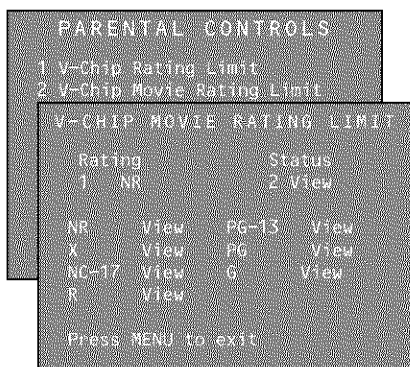


## Viewing Specific Content Themes

If you block specific content themes, you have the option of going back and changing some of the content themes back to (*V*) *View*:

1. Determine the content themes you want to change to (*V*) *View*.
2. Press 1 to scroll through the age-based ratings until the rating whose content theme you want to change to *View* appears.
3. Press the number on the remote corresponding to a particular content theme status you want to view, such as the *B* under language (*L*) corresponding with TV-14.
4. After you press the number, the *B* should change to *V* in the content status field. Your child would then be able to watch programs with TV-14 adult language content, but not programs with TV-PG or TV-MA language content.

**Note:** Only the content theme status corresponding to TV-14 (*L*) language changes to (*V*) *View*. Higher rated content themes, such as that for TV-MA language, do not change.



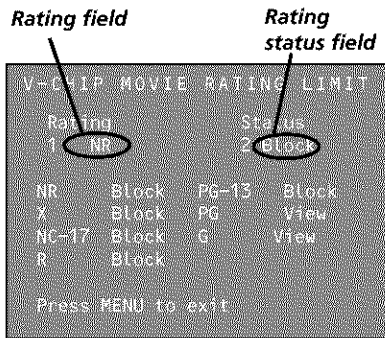
## V-Chip Movie Rating Limit

You set movie rating limits by blocking movies rated above a specified level. How to block movie ratings and view movie ratings is explained in the next two sections.

To access the *V-CHIP MOVIE RATING LIMIT* menu:

1. Press MENU on the remote control (the *TV/VCR MAIN MENU* appears).
2. Select *Parental Controls* (press 4).
3. Select *V-Chip Movie Rating Limit* (press 2).

# Using the TV/VCR's Features



## Blocking Movie Ratings

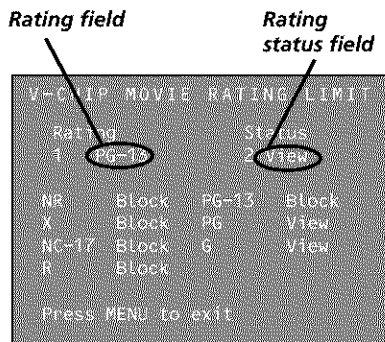
If you only want your child to watch movies that have a PG rating and lower (in other words, movies rated PG and G), then you could automatically block out all other movies with higher ratings.

To block movies:

1. Determine the lowest rating you don't want the child to watch.
2. Continuously press 1 until the rating that corresponds with the lowest content you do not want the child to watch appears. (In the example above, you would scroll through the ratings until PG-13, since the highest rating you want the child to watch is PG.)
3. Press 2 to change the status from *View* to *Block*. All higher ratings' status will automatically change to *Block*.
4. Press MENU to exit.

**Note:** If Parental Controls are not locked, you must lock them so the movie rating limits will take effect.

**Note:** Some movies may be given a Not Rated (NR) rating. After blocking movie ratings, you must set NR to View separately to view NR movies.



## Viewing Movie Ratings

After you block movie ratings, you have the option of changing some of the rating status buttons back to *View*:

1. Determine the movie ratings you want to change to *View*.
2. Continuously press 1 until the rating appears that you want to view.
3. Press 2 to change the status from *Block* to *View*.

For example, if movies with a rating of PG-13 and higher are blocked, you can change the rating status corresponding with NC-17. Your child would then be able to watch all movies with a G, PG, and NC-17 Rating.

4. Press MENU to exit the screen, and be sure parental controls are locked.

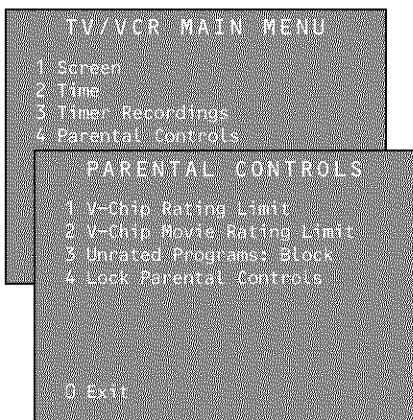
## V-Chip Unrated Program Block

Selecting this option lets you decide if programs that the V-Chip recognizes as "unrated" can be viewed. Note that "unrated" TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, public announcements, and programs without ratings.

**View** All unrated programs are available.

**Block** All unrated programs are not available.

**Note:** You must remember to lock Parental Controls for rating limits to take effect.



# Using the TV/VCR's Features

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## Front Panel Block

Selecting this option lets you block (disable) or unblock (enable) the TV/VCR's front panel. The remote still tunes to any channel. *Front Panel Block* can:

- Keep children from watching TV when the parent is not present.
- Keep young children from playing with the buttons.

(When using this as a Parental Control method, you should remove access to any remote that is capable of operating the television while you have the front panel blocked.)

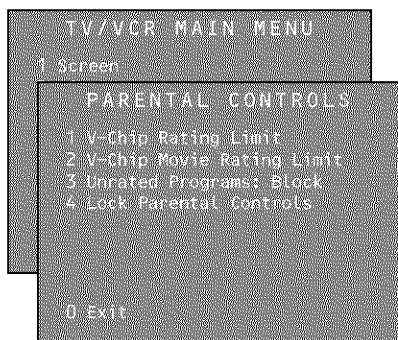
Don't forget to lock parental controls after you change the status. If you do not, the front panel block will not take effect.

To set Front Panel Block:

1. With the TV/VCR on, press and hold the POWER button on the remote for approximately 6 seconds. The indicator in the Power button flashes.

The indicator in the Power button flashes if the STOP/EJECT or POWER buttons on the front panel are pushed but nothing will happen.

2. To turn off the Front Panel Block, press and hold the POWER button for 6 seconds.



## Lock/Unlock Parental Controls

Selecting this option lets you lock and unlock parental controls settings using a password.

**If you do not lock parental controls, none of the settings for V-Chip Rating Limits or Unrated Programs will take effect.**

If you forget your password, simultaneously press STOP/EJECT on the TV/VCR front panel and MENU on the remote. This resets the password, but not the limits you've set.

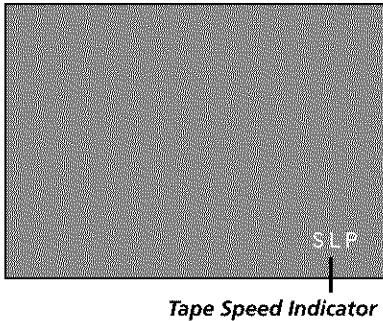
To Lock/Unlock Parental Controls:

1. Press MENU to display the *TV/VCR MAIN MENU*.
2. Select *Parental Controls* (press 4).
3. Select *Lock Parental Controls* (press 4).
4. Use the number buttons on your remote to enter a four-digit password. Press CLEAR to make any corrections and MENU to exit.



## Recording Features

The VCR provides several different ways to record programs from the TV. The following pages explain how to use the types of recording feature.



### Recording Speeds

Press SPEED to select a recording speed.

- **SP** (Standard Play) gives the best quality recording; consequently, fewer programs can be recorded on the tape. Most pre-recorded, rental tapes are recorded in SP.
- **LP** (Long Play) gives twice the recording time of tapes recorded in SP. Special effects such as pause, slow motion, picture search, and frame advance are not recommended in this speed.
- **SLP** (Super Long Play) gives three times the recording time of tapes recorded in SP. Special effects such as pause, slow motion, picture search, and frame advance work in this speed.

Cassette	Recording Time		
	SP	SLP	LP
T-120	2 hours	6 hours	4 hours
T-160	2 hrs 40 min	8 hours	5 hrs 20 min

### Recording Pause

This feature allows you to prevent recording short passages of unwanted material.

Press PAUSE during recording to temporarily stop and start recording. While the tape is paused, the front panel indicator light inside the REC button will flash. The TV/VCR will automatically switch from pause to stop after a few minutes to prevent tape wear.

### Types of Recording

Your TV/VCR provides four ways to capture programming:

1. **Recording** allows you to press one button to record a program.
2. **Express Recording (XPR)** allows recording to start while a program is being watched. This feature automatically stops recording after a designated period of time.
3. **Timer Recording** program the VCR for a daily, weekly, or onetime recording which will automatically start and stop at the times you set.
4. **Copying and Editing Tapes** allows you to record from another VCR or camcorder.

# Using the TV/VCR's Features

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## Express Recording (XPR)

Use XPR to quickly record the remaining portion of a program being watched. 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.

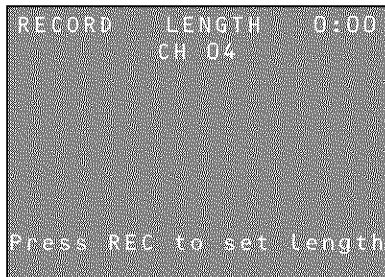
XPR works in 30-minute increments. You can capture the last 30, 60, 90, etc. minutes of programming (providing on tape length, up to four hours).

### To Activate XPR:

1. Insert a tape with the safety tab in place into the TV./VCR. The TV/VCR will turn on.
2. Select the channel with the desired programming. To record from the AUDIO/VIDEO IN jacks, press INPUT. Two selections appear in the channel field. Press 1 to select VIDEO 1, the rear AUDIO/VIDEO IN jacks. Press 2 to select the front panel AUDIO/VIDEO IN jacks.

*Note: To override the preferred tape speed setting, press the SPEED button on the remote control repeatedly to toggle through SP or SLP choices.*

3. Press REC (Record) twice to start recording.
4. Repeatedly press REC to set up the recording duration.
  - Each press of REC adds 30 minutes of recording time.
  - The TV/VCR automatically turns off after recording for the amount of time set.
  - To stop capturing XPR, press and hold the STOP button on the remote control or TV/VCR front panel for several seconds until "STOP" appears on-screen.
5. During express recording, press REC to display the time remaining on the screen. Press REC again to increase the recording time. The TIMER REC indicator on the TV/VCR's front panel will light during express recording.



**Each time you press RECORD, the recording time increases 30 minutes.**

# Using the TV/VCR's Features



## Timer Recording

Timer recording allows you to program the TV/VCR to record up to eight different programs. This is useful if you plan on being away from home for a long period of time. Before setting the timer, make sure that the clock is set correctly.

To set a timer recording:

1. Press MENU to display the *TV/VCR MAIN MENU*.
2. Press 3 to display the *TIMER RECORDINGS* menu.
3. Press 1 to *Create a New Program*.
4. Select how often you want the program to record.
5. Enter the data for the program with the number buttons.

The data includes the channel number (press INPUT to select the video line input), and start and end times (including AM or PM). The start date is automatically entered based on the TV/VCR clock. Both the date and speed can be changed.

6. Press SPEED to select a recording speed.
  7. Review the information to make sure it is correct, and then press MENU to save.
  8. Repeat steps 3-6 for additional programs.
  9. Insert a tape with safety tab intact before the recording is to begin. The *TIMER REC* indicator on the TV/VCR's front panel will light when timer recording is set.
- Note:** *If you turn off the TV/VCR, the *TIMER REC* indicator will flash if there is no cassette in the TV/VCR or the safety tab is missing from the cassette.*
10. For cable box or satellite receiver, turn it on and tune it to the channel you want to record before the recording is to begin.

## Checking or Clearing Timer Recordings

1. Press MENU on the remote to display the *TV/VCR MAIN MENU*.
2. Select *Timer Recordings* (press 3).
3. Select *Review Existing Progs.* (press 2).
4. Press CLEAR to erase a program.
5. Press MENU to review the next program.
6. After you have reviewed all of your programs press MENU to exit.

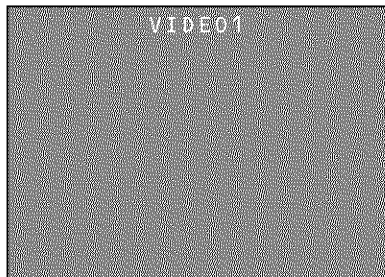
# Using the TV/VCR's Features

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## Copying and Editing Tapes

Use another VCR or camcorder as the playback VCR and the TV/VCR as the recording VCR.

**Note:** *The unauthorized recording of television programs and other materials may infringe upon the rights of others.*



1. Turn on the VCR or camcorder and the TV/VCR.
2. Press 00 on the TV/VCR's remote to select the line input (VIDEO1 or VIDEO2). Pressing 00 once tunes the TV/VCR to the AUDIO/VIDEO1 input jacks on the rear of the TV/VCR. Pressing twice tunes the TV/VCR to the AUDIO/VIDEO2 input jacks on the front of the TV/VCR.
3. Insert the tape you want to copy into the playback VCR or camcorder. Insert a blank tape with the safety tab intact into the TV/VCR.
4. Start the playback VCR or camcorder playing. If the tape was not recorded on the playback VCR, streaks may appear and you may need to adjust the tracking. When you reach the place you want to begin copying, place the playback VCR or camcorder in play pause.
5. Press REC, then PAUSE on the TV/VCR's remote.
6. Press PAUSE on both the VCR or camcorder and the TV/VCR's remote at the same time to begin copying the tape.
7. Edit out segments that you do not want to copy by pressing PAUSE on the TV/VCR's remote to pause the tape. Then, locate the next segment you want to copy on the playback VCR or camcorder by using FORWARD, REVERSE, or PLAY. Press PAUSE on the playback VCR or camcorder. Press PAUSE at the same time on both the VCR or camcorder and the TV/VCR's remote to resume copying.
8. Press STOP on both the VCR or camcorder and the TV/VCR's remote when you are finished.

## Picture Search Options

The most basic way to search during playback is using the FF (Fast Forward) or REW (Rewind) buttons. This section contains several other options available for searching a tape.

### Picture Search

You can search a tape during playback. Sound is turned off during picture search. Search works well for tapes recorded in SLP speed.

1. During playback, press FF to search forward or REW to search in reverse.
2. Press PLAY to return to normal playback.

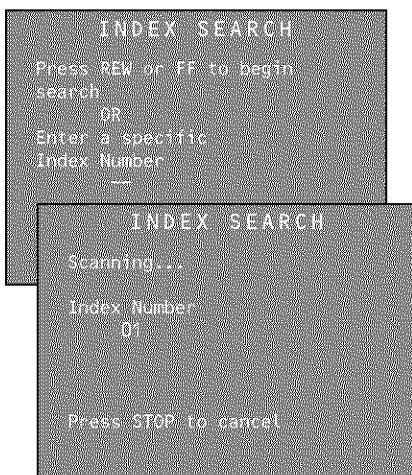
### Frame Advance

Frame advance allows you to view one-stop action frame after another during playback. Frame advance works well for tapes recorded in SLP speed.

1. Press PAUSE during playback to freeze the action.
2. Press FR. ADV each time you want to view the next frame of the scene. Press and hold FR. ADV to view the tape frame-by-frame.
3. Press PAUSE or PLAY to return to normal playback.

### Commercial Scan

This is useful for skipping commercials or short program segments. Press SKIP/SEARCH during playback to advance the tape approximately 60 seconds.



### Index Search

The TV/VCR automatically records index marks on the tape each time you begin recording. During playback you can locate the program you want to play by the number of index marks. Your TV/VCR has two index playback features. You can select a specific index number or search by scan and play.

#### To Select Scan and Play Index Playback:

1. Insert the pre-recorded tape and press STOP.
2. Press SKIP/SEARCH on the remote to display the Index Search screen.
3. Press FF on the remote to scan forward or REW to scan in reverse.

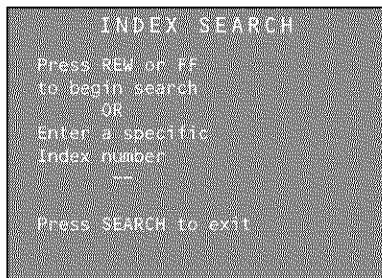
When the TV/VCR locates an index mark, it will stop and play a few seconds of the program following the mark.

4. At any time during the search, press PLAY to stop searching and begin playback, or press STOP to stop the search.

If the beginning or end of the tape is reached during the search, the message "End of tape" appears.

# Using the TV/VCR's Features

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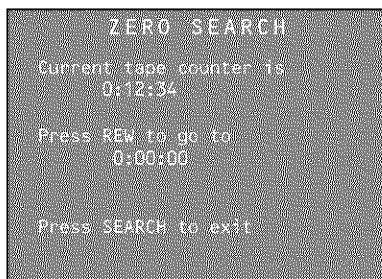
## To Select a Specific Index Number for Index Playback:

1. Insert the pre-recorded tape and press STOP.
2. Press SKIP/SEARCH on the remote to display the *INDEX SEARCH* screen.
3. Use the number buttons (0-9) on the remote to enter the number of the index mark for which you want the TV/VCR to search.
4. Press FF to search forward or REW to search in reverse.

When the TV/VCR locates the index mark, it will begin playback.

When using index playback, the following index marks may be skipped by the TV/VCR:

- The mark closest to the current location on the tape.
- The mark at the beginning of a recorded segment that is five minutes or less.
- The mark at the beginning of the tape.

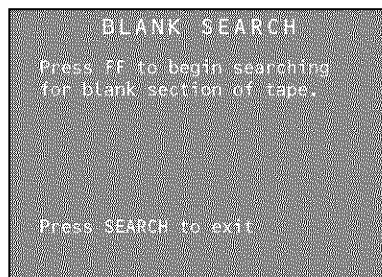
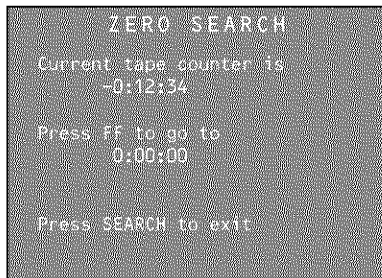


## Zero Search

This feature allows you to quickly return to a time counter reading of 0:00:00. This is especially convenient when you want to watch a segment of the tape several times.

1. Insert the pre-recorded tape and press STOP.
2. Press DISPLAY twice to display only the time counter.
3. Use PLAY, FF, or REW to locate the start of the segment you want to repeat.
4. Press CLEAR to reset the time counter to 0:00:00.
5. Continue playing the tape and press STOP when you reach the end of the segment you want to repeat.
6. Press SKIP/SEARCH twice to display the *ZERO SEARCH* screen. The current time counter is displayed.
7. Press REW or FF to return to 0:00:00. The tape rewinds or fast forwards to the 0:00:00 and begins playing.

- OR -



## Blank Search

The TV/VCR will search for blank portions of the tape that are more than six seconds in length.

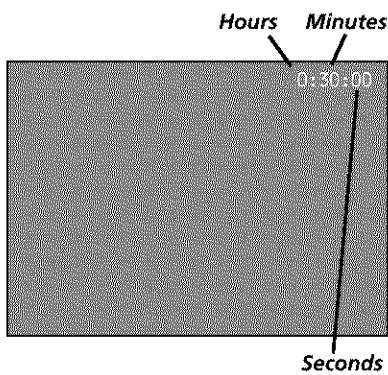
1. Insert the pre-recorded tape and press STOP.
2. Press SEARCH on the remote three times to display the *BLANK SEARCH* screen.
3. Press FF to begin searching for a segment that is at least six seconds of blank tape.
4. Press STOP to stop Blank Search.

## Tracking

Your TV/VCR has automatic tracking which removes streaks and “noise” from the picture. Automatic tracking is activated when you insert a tape or turn on the VCR. Occasionally you may need to manually adjust tracking, especially if the tape was recorded on a different VCR. Use the TRACK -/+ buttons to remove streaks and noise. You can also use tracking when pausing a tape to reduce the noise of the stilled picture.

When manually adjusting the picture, automatic tracking is turned off. To turn automatic tracking back on, eject the tape and reinsert it.

Tracking has no effect when recording—only during playback.



## Time Counter

The time counter shows the actual time used in recording or playing back a tape. The time counter helps locate the beginning or end of recorded events. It resets to 0:00:00 whenever a tape is ejected from the TV/VCR.

For example, if you record a 30-minute program at the beginning of a tape, rewind it, and then want to go to the end of the first program to start another recording:

1. Press the INFO button **twice** to display only the time counter.
2. Press the CLEAR button to reset the time counter to 0:00:00.
3. Press FF to advance a tape until the time counter reads 0:30:00.
4. Press STOP. This is the approximate end of a 30-minute program (you may want to press PLAY to verify). When the tape is cued correctly, you can begin recording.
5. Press the INFO button to remove the time counter from the screen and return to the normal display mode.

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# Using the TV/VCR's Menu System

### Chapter Overview:

- How to Use the Different Types of Menus
- Screen Menu
- Time Menu
- Additional Setup Features in the Menu

**Changing Entertainment. Again.**

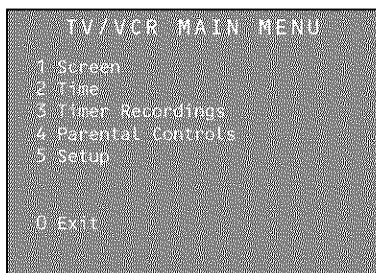


# Using the TV/VCR's Menu System

## How to Use Your TV/VCR's Menu System

You use the buttons on the remote to access the menu system and make changes to the settings.

The following pages explain how to use the different types of menus to adjust the features of your TV/VCR.



### Tip

Feel free to explore the menu system. If you're ever unsure where you are in the menu system, or you're just plain tired of exploring, press CLEAR to remove the menus from the screen and start over again.

## Menus

The first menu is called the Main menu. Press MENU on the remote to bring up the Main menu.

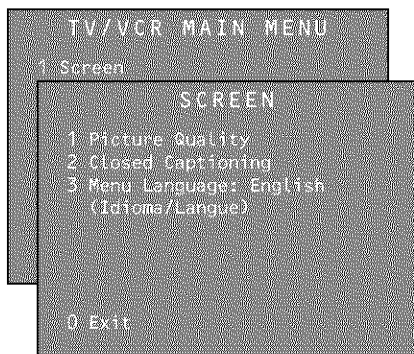
Menus take you to another menu or a control panel. To select a choice in a menu:

- Press a number button on the remote. For example, in the Main menu press 1 to go straight to the *Screen* menu.

## Exiting a menu

There can be three ways to exit a menu:

- Press 0 on the remote if it is an option on-screen.
- Press MENU if it is an option on-screen.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to TV viewing.



## Screen Menu

**Picture Quality** Displays the five slider controls for adjusting the way the picture looks.

**Color** Adjusts the richness of the color.

**Tint** Adjusts the balance between the red and green levels.

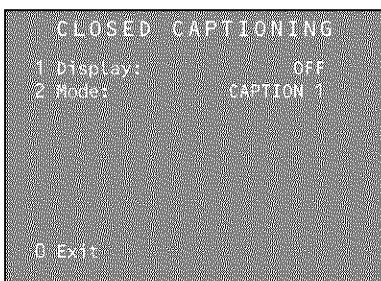
**Contr (contrast)** Adjusts the difference between the light and dark areas of the picture.

**Brite (brightness)** Adjusts the brightness of the picture.

**Sharp (sharpness)** Adjusts the sharpness of the picture.

**Closed Captioning** Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the TV screen.

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. Check your TV/VCR program listings for CC (closed caption) broadcasts.



# Using the TV/VCR's Menu System

**Closed Caption Display** Displays a choice list that lets you choose the way closed captioning information is shown on the screen.

**OFF** No captioning information is displayed.

**ON** Captioning information is shown always, when available.

**ON WHEN MUTED** Captioning information is shown, when available, whenever the TV/VCR's sound is muted. (To mute the sound, press the MUTE button.) The captioning information is not displayed when the sound is not muted.

**Closed-Caption Mode** Displays a choice list that lets you choose which captioning mode is used for displaying captioning information.

**Caption 1** Displays the full translation of the primary language in your area.

**Caption 2** May be used as a second source for secondary languages.

**Text 1** and **Text 2** Display on-screen boxes containing the text of general information not necessarily related to the program being watched.

**Note:** The Text modes cover nearly half of the picture on-screen to display the closed-captioned text.

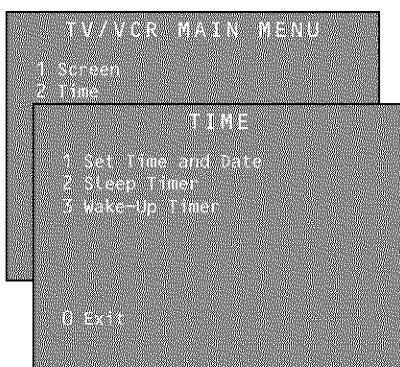
**Menu Language** Displays a choice list that lets you select your preferred language for the menus: *English, Spanish* or *French*.

## Setting Closed-Caption Modes

The TV/VCR offers four closed-captioned modes, including two text modes.

To set the *Closed-Caption Mode*:

1. Select *Screen* from the Main menu.
2. Press 2 to select the *Mode*. Each time you press 2 the Mode will change on the Closed Captioning menu screen.



## Time Menu

**Set Time and Date** Displays a control panel that lets you enter the current time. The on-screen directions guide you through the steps needed to set the time.

**Sleep Timer** Displays a control panel that lets you select the amount of time you want to give the TV/VCR before it shuts itself off.

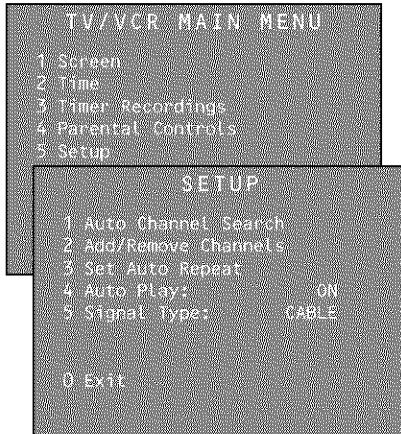
**Wake-Up Timer** Displays a control panel that lets you set a timer that turns the TV/VCR on automatically. You can set it to wake you up in the morning or remind you that a favorite program is about to start. Enter the channel and time using the number buttons then follow the instructions on-screen.

# Using the TV/VCR's Menu System

## Additional Setup Features in the Menu

1. Press MENU to display the *TV/VCR MAIN MENU*.
2. Press 5 to select the *SETUP* menu.

Now you are ready to select an item from the menu to setup.

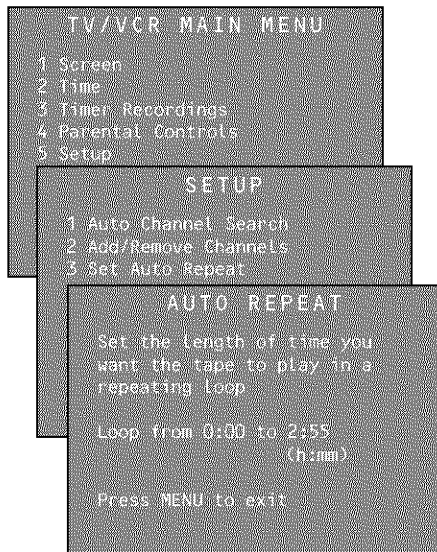


**Auto Play** This feature allows the TV/VCR to automatically start playing a tape when it is inserted. (The safety tab on the tape must be removed).

1. Press MENU to display the *TV/VCR MAIN MENU*.
2. Press 5 to display the *SETUP* menu.
3. Press 5 to change the Auto Play setting.

The Auto Play feature is set to On at the factory.

- Select *On* if you want a tape with its safety tab removed to start playing automatically.
- Select *Off* if you do not want a tape with its safety tab removed to start playing automatically.



**Auto Repeat Feature** This feature tells the TV/VCR to play a tape (or part of a tape) continuously. The TV/VCR will automatically rewind the tape, or a selected portion of the tape, and play it repeatedly.

1. Using REW, FF, or PLAY, go to the place on the tape that you want to be the **beginning** of the section that automatically repeats. Reset the time counter to 0:00:00 by pressing DISPLAY, then CLEAR.
2. Using FF or PLAY, go to the place on the tape that you want to be the **end** of the section that plays continuously. Remember the numbers on the time counter. (2:55 is the end time for Auto Repeat in the example to the left.)
3. Press MENU to display the *TV/VCR MAIN MENU*.
4. Press 5 to display the *SETUP* menu.
5. Press 3 to display the *AUTO REPEAT* menu.
6. Using the number buttons, enter the amount of time you want the tape to repeat (the number from Step 2). In the example at right, the section that the TV/VCR will automatically repeat is 2:55—two hours, 55 minutes long.

### To Cancel Auto Repeat

Press MENU, then 5, then 3, and then CLEAR.

# Other Information

## Chapter Overview:

- Troubleshooting
- Care and Cleaning
- Front Panel Buttons
- Limited Warranty
- Accessory Order Form
- Index

**Changing Entertainment. Again.**



# Other Information

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## Troubleshooting

Most problems you encounter with your TV/VCR you can correct by consulting the Troubleshooting list that follows.

### **General TV/VCR Problems**

---

#### **TV/VCR won't turn on**

- Press the TV or VCR button to turn on the TV/VCR.
- Make sure the TV/VCR is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV/VCR. If the TV turns on, go to page 39 for remote control solutions.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by pressing the POWER button for 6 seconds.

#### **Controls don't work**

- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by pressing the POWER button for 6 seconds.
- Unplug the TV/VCR for two minutes and then plug it back in. Turn the TV on and try again.

#### **TV/VCR turns off unexpectedly**

- Sleep timer may have been activated. Go to page 33 for instructions.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV/VCR on again. If this happens frequently, the voltage in your house may be abnormally high or low.

#### **TV/VCR turns on unexpectedly**

- Wake-up timer may have been activated. Go to page 33 for instructions.

#### **Blank screen**

- Try another channel.
- Check picture adjustments. Go to page 32 for instructions.
- Make sure the line input is not selected. Repeatedly press 00 on the remote to switch between audio/video input jacks and tuner.

#### **No sound, picture okay**

- Press the volume up to increase the sound.
- Maybe sound is muted. Press the volume up button to restore sound.

#### **No picture, no sound but TV is on**

- Maybe the antenna/cable setting is set to the wrong position. Go to page 11 for instructions.
- The channel might be empty — change channels.

## Troubleshooting

### Sound okay, picture poor

- The dipole antenna may not be getting a good signal. Try adjusting its rods. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting sharpness function to improve weak signals. Go to page 32 for instructions.

### Can't select certain channel

- Channel may be blocked or not approved in the *Parental Controls* menu.
- If using the VCR, make sure the TV/VCR is in the correct mode (press the TV button).

### Clock is wrong

- Power interruption. Need to reset the clock. Go to page 33 for more information.
- Clock was not set accurately (check AM/PM and date). Go to page 33 for more information.

### Auto channel search not searching properly

- The dipole antenna may not be getting a good signal. Try adjusting its rods. Make sure all of the cables are firmly connected to the jacks.
- Signal type may not be set properly. If you have cable, make sure the cable type is chosen. Go to page 11 for instructions.

### Black box appears on the screen

- Closed-captioning might be on. Check the *Closed-Caption Display* control panel in the *Screen* menu. Go to pages 32-33 for more instructions.

### Closed captions not appearing on screen

- Closed caption might not be set to on. Go to pages 32-33 for more information.
- Station might not be broadcasting closed caption.

## VCR Playback Problems

---

### Tape plays continuously

- Auto repeat might be turned on. Go to page 34 for instructions.

### Tape plays automatically

- Auto play might be turned on. Go to page 34 for instructions.

### Tape won't insert or eject

- Make sure you insert the cassette with the window facing up and safety tab facing out.
- When removing a tape, make sure the TV/VCR is connected to a working outlet.
- Turn off the TV/VCR, then on before trying to insert or remove tape.

# Other Information

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## **Tape won't play or record**

- Check if a tape has been inserted.
- Eject and re-insert tape.
- The tape might be broken — try another tape.
- Check to see if the safety tab has been removed. If it has, the TV/VCR will not record.
- The TV/VCR might be in pause mode. Press PAUSE on the remote to return the tape to play mode.

## **Timer counter not working**

- Press DISPLAY on remote to display the time counter on screen. Go to page 29 for more information.
- The timer counter will not advance during unrecorded portions of tape.
- You have rewound the tape farther back than a counter reading of 0:00:00. A minus (-) will appear if this has occurred.

## **Snow or streaks in picture or no picture during tape playback**

- Check tape- it may be worn out or of poor quality.
- Some snow/ streaks are normal during search, pause, frame advance, and slow-motion playback.
- Might need to adjust the tracking. Go to page 29 for instructions.

## **TV/VCR makes noise when stopped**

- TV/VCR is removing tape from heads, which is normal. The head cylinder inside the TV/VCR will continue to rotate for a few minutes after you put the VCR in stop mode.

## ***VCR Recording Problems***

---

### **TIMER REC indicator on front of TV/VCR is flashing**

- There might have been a power interruption. Check the clock for time and date setting. Go to page 33 for more information.
- A timer program is set and the TV/VCR turned off with no cassette or a cassette without a safety tab was inserted. Go to page 25 for instructions.

### **Cannot record one program while watching a different program**

- The TV/VCR only has one tuner. Only one program can be watched and recorded at the same time.

### **Timer recording didn't work**

- Program entered incorrectly. Go to page 25 for instructions.
- If the TV/VCR is connected to a cable box, the cable box was not turned on and tuned to correct channel at time recording was to begin.
- There might have been a power interruption. If so, the TIMER REC indicator will flash on front of the TV/VCR.
- Check to see if the TV/VCR's time and date was set correctly. Go to 33 for more information.
- Program exceeded tape's length or tape was not rewound beforehand.
- No tape in TV/VCR or tape inserted without a safety tab.



## ***The Remote Control Doesn't Work***

---

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the TV/VCR.
- Maybe batteries in remote are weak, dead or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

## ***Problems with V-Chip/Parental Controls***

---

### **The rating limits don't work**

- You must lock the settings. Go to the *TV/VCR MAIN MENU* (press MENU on your remote), select *Parental Controls* (press 4 on your remote), select *Lock Parental Controls* (press 4 on your remote).

### **I don't remember my password and I want to unlock the TV/VCR**

- If you forget your password, simultaneously press STOP/EJECT on the TV/VCR front panel and MENU on the remote. This resets the password and you can enter a new one.

### **The V-Chip won't let me watch a program even though it's not rated as violent.**

- Maybe the movie was given an NR (Not Rated) status. After you block movie ratings, you must set *NR* to *View* separately in order to view movies with an NR rating.

# Other Information

---

## Care and Cleaning

**CAUTION: Turn OFF your TV/VCR before cleaning.**

You can clean the TV/VCR as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

**The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.**

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV/VCR. Also, avoid placing drinks or vases with water on top of the TV/VCR. This could increase the risk of fire or shock hazard or damage to the TV/VCR.

**Caution:** If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the picture tube. Such images include network logos, phone numbers, and video games. This damage is not covered by your warranty. Extended viewing of channels displaying these images should be avoided.

## Front Panel

If you can't find your remote control you can use the buttons on your TV/VCR to operate many of the TV/VCR's features.

**Headphone Jack** Connect headphones (not supplied) to this jack.

**WAKE-UP Indicator** Lights when the wake-up timer turns on the TV/VCR.

**TIMER Indicator** Lights when a timer program has been set and a cassette with the safety tab is in the TV/VCR. Also flashes when a timer recording has been set and the TV/VCR is turned off with no cassette inserted, a cassette without the safety tab has been inserted, or there has been a power interruption.

**POWER** Turns the TV/VCR on or off. The indicator in the button is lit when the power is on.

**STOP/EJECT** Stops normal functions such as record, play, rewind, fast-forward, or pause. Press when a tape is stopped to eject the cassette.

**REC (Record)** Press to start TV/VCR recording. The indicator in the button lights during recording.

**REW (Rewind)** Rewinds the tape when the TV/VCR is stopped. Searches the picture in reverse during playback.

**PLAY/PAUSE** Press once to begin playback of a tape. During playback, press to pause. Press again to resume playback.

**F. FWD (Fast Forward)** Fast forwards the tape when the VCR is stopped. Searches the picture forward during playback.

**Remote Sensor** Receives signals from the remote. Aim remote at this sensor with no objects between them.

**VOL -** Decreases the volume.

**VOL +** Increases the volume.

**CH v** Scans down through the current channel list. Used for manual tracking when a tape is playing.

**CH ^** Scans up through the channel list. Used for manual tracking when a tape is playing.

**AUDIO IN and VIDEO IN Jacks** Receives audio and video signals from another component, like a VCR or camcorder when it is connected to these jacks. To select these front panel jacks, press 00 twice to display VIDEO2.

# Other Information

---

## RCA TV/VCR Limited Warranty

### What your warranty covers:

- Any defect in materials or workmanship.

### For how long after your purchase:

- 90 days for labor charges.
- One year for parts.
- Two years for the picture tubes.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

### What we will do:

- Pay any Authorized RCA VCR Service Center the labor charges to repair your TV/VCR.
- Pay any Authorized RCA VCR Service Center for the new or, at our option, refurbished replacement parts and picture tubes required to repair your TV/VCR.

### How you get service:

- For screen sizes of 26" and smaller: Take your RCA TV/VCR to any Authorized RCA VCR Service Center and pick up when repairs are complete.
- For screen sizes larger than 26": Request home or pick up, repair, and return service from any Authorized RCA VCR Service Center, provided that your TV/VCR is located within the geographic territory covered by an Authorized RCA VCR Service Center. If not, you must take your TV/VCR to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your TV/VCR to and from your home.
- To identify your nearest Authorized RCA VCR Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the Authorized Service Center Representative your sales receipt or other evidence of purchase date or first rental.

### What your warranty does not cover:

- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your TV/VCR. Any additional information should be obtained from your dealer).
- Installation and related adjustments.
- Signal reception problems not caused by your TV/VCR.
- Damage from misuse or neglect.
- Cleaning of Audio/Video heads.
- Batteries.
- Customer replacement fuses.
- Images burned onto the screen.
- A TV/VCR that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A TV/VCR purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

### Product registration:

- Please complete and mail the Product Registration Card packed with your TV/VCR. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

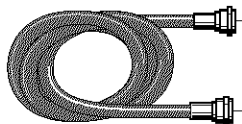
### How state law relates to this warranty:

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

### If you purchased your television outside the United States:

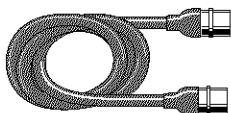
- This warranty does not apply. Contact your dealer for warranty information.

**Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.**



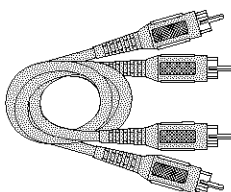
**VH81 (3-ft)**  
**VH82 (6-ft)**

**Screw-on Cable** attaches to the round antenna connectors (called 75-ohm F-type) on the back of your TV/VCR. The ends screw onto the connectors for a secure connection.



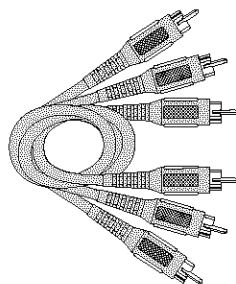
**VH89 (6-ft)**

**Push-on Cable** attaches to the round antenna connectors (called 75-ohm F-type) on the back of your TV/VCR. Ends push on for a quick connection.



**Gold-Tipped cable**  
**VH83 (6-ft)**

**Monaural VCR Dubbing Cable** Double cable that lets you connect the video and audio jacks of two VHS VCRs to duplicate tapes. Can also be used to connect a VCR to your TV/VCR. Cable is color-coded and shielded. Has RCA-type phono plugs on each end.



**Gold-Tipped cable**  
**VH84 (6-ft)**

**Stereo VCR Dubbing Cable** Triple cable that lets you connect the VIDEO and AUDIO jacks of stereo components.

## Accessory Order Form

Description	Part No.	Price	Qty
Screw-on antenna cable (3-ft)	VH81	\$3.95	
Screw-on antenna cable (6-ft)	VH82	\$4.95	
Push-on antenna cable (6-ft)	VH89	\$5.95	
Monaural VCR Dubbing Cable (6-ft)	VH83	\$5.95	
Stereo VCR Dubbing Cable (6-ft)	VH84	\$9.95	
2-way Signal Splitter	VH47	\$3.95	
Amplified Antenna	ANT200	\$49.95	
Antenna Mixer (not shown)	193984	\$11.15	
Remote Control (CRK203DL1)	240161	\$33.10	
Audio•Video Adapter (not shown)	228449	\$4.45	

Prices are subject to change without notice.

Total Merchandise ..... \$ \_\_\_\_\_

Sales Tax ..... \$ \_\_\_\_\_

We are required by law to collect the appropriate sales tax for each individual state, country, and locality to which the merchandise is being sent.

Shipping and Handling ..... \$ 5.00

Total Amount Enclosed ..... \$ \_\_\_\_\_

Use VISA, MasterCard, or Discover Card preferably.

Money order or check must be in U.S. currency only.

No COD or CASH.



Detach Here

All accessories are subject to availability. Where applicable, we will ship a superseding model.

Please complete other side also

Continued on next page.....

# Other Information

Charge your order on your VISA, MasterCard, or Discover Card by filling in below

## USE YOUR CREDIT CARD

**IMPORTANT:** Copy complete account number from your VISA card



□□□□ □□□□ □□□□ □□□□

My card expires: □□ □□

**IMPORTANT:** Copy complete account number from your MasterCard



□□□□ □□□□ □□□□ □□□□

Copy Number above your name on MasterCard: □□□□ My card expires: □□ □□

**IMPORTANT:** Copy complete account number from your Discover Card



□□□□ □□□□ □□□□ □□□□

My card expires: □□ □□

**AUTHORIZED SIGNATURE**  
(Credit card order will not be processed without signature)

Print or type your name and address clearly.



A complete and correct order will save you days of waiting.

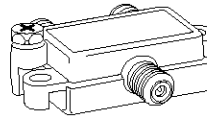
Name: \_\_\_\_\_  
 Street: \_\_\_\_\_  
 \_\_\_\_\_ Apt: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Daytime phone number: \_\_\_\_\_

Please make sure that both sides of this form have been filled out completely.

- Allow 4 weeks for delivery.
- All accessories are subject to availability.
- Prices are subject to change.



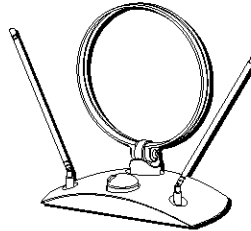
Detach Here



Splitter VH47

### 2-way Signal Splitter

Helps you connect a second TV or VCR.



ANT200

### Amplified Antenna

Allows you to quickly switch from the antenna signal to the cable or satellite signal without disconnecting the antenna.



CRK203DL1

### Remote Control

This is the remote control that came packed with your TV/VCR. Replacements or spares can be ordered as needed.

## To Order

To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below.

Use this number only to place an order for accessory items listed on this order form.

**1-800-338-0376**

To place your order by mail, detach and mail the completed order form with credit card information, money order or check in US currency (made payable to Thomson multimedia Inc.) to the following address:

**Video Accessories**  
**PO Box 8419**  
**Ronks, PA 17573**

## A

- Accessories 43
- Add/Remove Channels 11
- Advanced connections 9
- Age-Based Ratings 16
- Antenna System, connecting 8
- Audio/Video
  - cable 7
- Auto
  - Channel Search 11
  - play 34
  - repeat 34
- Automatic
  - rewind 12
  - tracking 29

## B

- Back panel 8, 9
- Back-lit remote 13
- Basic
  - connections 8
  - recording 12
- Batteries for the remote 10
- Black Level 32
- Blank search 28
- Block
  - Age-Based Ratings 18
  - Front Panel 22
  - Movie Ratings 21
  - Specific Content Themes 19
  - V-Chip Unrated Program 21
- Buttons, remote control 14

## C

- Cable Box
  - connecting 9
- Cables
  - Audio/Video 7
  - coaxial 7
- CC (Closed Captioning) 33
- CH + button 13
- CH - button 13
- Channel
  - Search 11
- Choosing a connection 7
- Cleaning the TV/VCR 40
- CLEAR button 13
- Clearing timer recording 25
- Clock Setting 33
- Closed Captioning 32
- Coaxial cable 7
- Color Function 32
- Commercial Scan 27
- Connections
  - TV/VCR + Antenna 8
  - TV/VCR + Cable Box 9
- Content Themes 16
- Contrast Function 32

## Controls

- Back panel 8
- Front panel 41
- Copying tapes 26

## D

- DISPLAY button 13

## E

- Editing tapes 26
- Express Recording 24

## F

- FF (Fast Forward) button 13
- Fixed
  - Images 40
- FR ADV button 13
- Frame Advance 27
- Front panel 41
- Front panel block 22

## I

- Index search 27
- Initial setup 10

## L

- Language menu 33
- Light button 13
- Lock, Parental Controls 22
- LP Speed 23

## M

- Menu
  - Language 33
  - Screen 32
  - Time 33
- MENU button 13
- Movie Rating Limits
  - Block 21
  - Viewing 21
- MUTE button 13

## N

- Number buttons 13

## O

- ON•OFF button 13

## P

- Parental Controls 16
  - Locking, Unlocking 22
- PAUSE button 13
- Picture
  - Adjusting 32
  - Quality 32
  - Search 27
  - Settings 32
- Picture search options 27
- PLAY button 13
- PREV button 13

## R

- Rating Limits
  - movies 20
  - TV 17
- REC button 13
- Recording
  - Basic 12
  - Express 24
  - pause 23
  - speeds 23
  - Timer 25
- Remote
  - batteries 10
  - buttons 13
- Remote sensor 41
- RESET button 13
- REW button 13

## S

- Safety tab 12
- Scan and Play Index Feature 27
- Screen menu 32
- Search
  - Blank 28
  - Index 27
  - Picture 27
  - Zero 28
- Sensor, remote 41
- Set
  - Express Recording 24
  - time and date 33
  - Timer Recording 25
- Sharpness 32
- Signal Type 11
- SKIP/SEARCH button 14
- SLEEP button 14
- Sleep Timer 33
- SLP Speed 23
- SP Speed 23
- SPEED button 14
- STOP button 14
- Stopping
  - Express Recording 24
  - Timer Recording 25

## T

- Time counter 29
- Time Menu 33
- Timer Recording 25
- Tint Function 32
- Tracking
  - automatic 29
  - manual 29
- TRACKING buttons 14
- Troubleshooting 36
- TV button 14
- TV/VCR
  - connecting 8

- Types of Recording 23

## U

- Unlock, Parental Controls 22

## V

- V-Chip 16
  - Age-Based Ratings 16
  - Blocking Movies 20
  - Content Themes 16
- VCR button 14
- VOL + button 14
- VOL - button 14

## W

- Wake-up timer 33
- Warranty 42

## Z

- Zero search 28

---

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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