

TV/VCR User's Guide



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

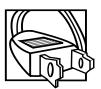
CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



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

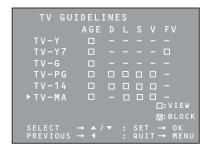
Please fill out this product registration card and return it immediately. Returning the card allows us to contact you if needed.

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 these features. Chapter 3 provides more information about the rest of the TV/VCR's features and how to use them.



```
MPAA

G --

PG --

PG-13 --

>R BLOCK

NC-17 BLOCK

X BLOCK

X BLOCK

SELECT → A/▼ : SET → OK

PREVIOUS → ◀ : QUIT → MENU
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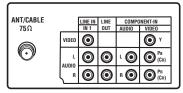
V-Chip: Parental Controls

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

Requirements:

- Set up the *TV GUIDELINES* and *MPAA* menus in the TV/VCR's main *MENU* (Chapter 3 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.

TV/VCR back panel



This is the back of model T20TF668. If you have model T27TF668, you'll notice the ANT/CABLE jack is on the right side and has a VIDEO LINE OUT jack.

Component Input Jacks

Description: The jacks on the back of your TV/VCR labeled COMPONENT-IN can be used to connect a component with Component Output jacks (like a DVD Player). Component video connections provide a higher quality picture because the video signal is divided into three parts instead of being compressed into one.

Requirements: A component with Component Output Jacks, and three video grade cables that you'll use to connect the component to the TV/VCR.



Index Search

Description: Provides a quicker way to find segments of a program on a videotape. The details are explained on page 30.

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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



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 to 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.

Cables Needed to Connect Components to Your TV/VCR

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

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





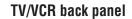
Choose Your Connection

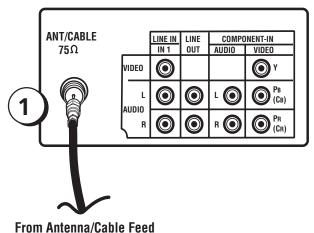
There are several ways to connect your TV/VCR. Please use the following chart to determine which connection is best for you. Proceed to the appropriate page, and connect your TV/VCR.

Components	Connection Title	Go To
TVINCR	TV/VCR Only	page 8
TVIVCR DVD Player	TV/VCR + DVD Player	page 9
TVIVCR Satellite	TV/VCR + Satellite Receiver	page 10

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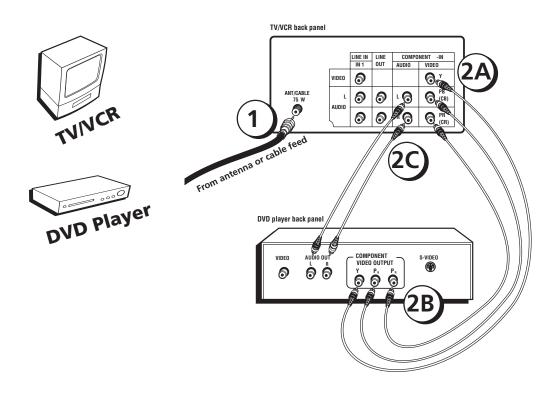
Note: This is the back of model T20TF668. If you have model T27TF668, you'll notice the ANT/CABLE jack is on the right side and it has a VIDEO LINE OUT jack.

Connection: TV/VCR Only

1. Connect the antenna/cable feed to the TV/VCR

Connect your TV antenna/cable feed's RF coaxial cable to the ANT/CABLE jack on the TV/VCR.

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Note: If you have model T27TF668, the placement of the jacks is different from the TV/VCR back panel illustrated here.

Note: The back of your DVD player might not look exactly like the one shown here.

Connection: TV/VCR + DVD Player

1. Connect your cable or antenna to your TV/VCR

Connect the RF coaxial cable from your cable feed, cable box, or off-air antenna to the ANT/CABLE jack on the back of your TV/VCR.

2. Connect your DVD Player to your TV/VCR

To achieve the best picture quality, use the COMPONENT INPUT jacks on the back of the TV/VCR to connect the TV/VCR to your DVD Player.

Note: Recording can't be done in the COMPONENT INPUT (video/audio) mode.

If your DVD Player doesn't have Component Jacks, use audio/video cables to connect the TV/VCR to the DVD Player using the LINE IN VIDEO and AUDIO L and R jacks on the TV/VCR. Instructions for both scenarios follow:

Optimum Connection (illustrated above)

- A. Connect three video grade cables to the COMPONENT-IN VIDEO jacks on the back of the TV/VCR labeled Y, $P_R(C_R)$, $P_R(C_R)$.
- B. Connect the other ends of the video cables to the corresponding Component Output Jacks on your DVD Player (sometimes labeled Y, P_b , P_r).
- C. Connect audio cables to the COMPONENT-IN jacks labeled AUDIO L and R and to the Audio Output jacks on the DVD Player (sometimes labeled AUDIO OUT L and R).

Normal Connection

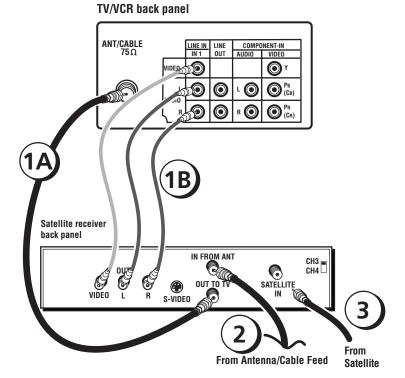
- A. Connect audio/video cables to the LINE IN/IN 1 jacks on the back of the TV/VCR (labeled VIDEO and AUDIO L and R). Audio/video cables usually are bundled as a set. Usually, they are color-coded (yellow is video, red is right audio, and white is left audio).
- B. Connect the other ends of the a/v cables to the audio and video output jacks on the back of the DVD Player (sometimes labeled AUDIO OUT L and R).

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Connections & Setup







Note: If you have model T27TF668, the placement of the jacks is different from the TV/VCR back panel illustrated here.

Note: The back of your satellite receiver might not look exactly like the one shown here.

Connection: TV/VCR + Satellite Receiver

1. Connect the satellite receiver to the TV/VCR

- A. Connect one end of an RF coaxial cable (not included) to the TV/VCR's ANT/CABLE jack. Connect the other end to the satellite receiver's antenna output jack (sometimes labeled OUT TO TV).
- B. Connect the A/V cables. Connect audio cables to the TV/VCR's LINE IN/IN 1 AUDIO (L and R) jacks and the other ends to the satellite receiver's corresponding audio output jacks. Connect one end of the video cable to the TV/VCR's LINE IN/IN 1 VIDEO jack, and the other end to the satellite receiver/cable box's video output jack.

2. Connect antenna or cable to your satellite receiver

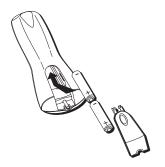
Connect the coaxial cable from your antenna, cable feed, or cable box to the Antenna Input jack on the satellite receiver (sometimes labeled IN FROM ANT).

3. If necessary, connect the satellite's antenna cable to the satellite receiver If the coaxial cable from the satellite dish antenna isn't already connected to the satellite receiver's input jack (sometimes labeled SATELLITE IN), connect it now.

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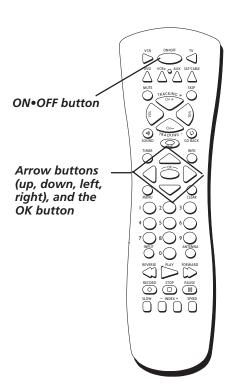
Plug in the TV/VCR

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.



How to Use the Remote Control to Complete the Initial Setup

The technical term is called "navigation" – how you move through the on-screen menus. The theory is the same throughout the menu screens: highlight your choice and select it.

To highlight or point to an item on the screen, press the arrow buttons on the remote (you'll notice the triangular icon moves). Use the up or down arrow button to move up or down respectively. Use the left or right arrow buttons to move left or right respectively.

To select an item you've highlighted, press the OK button

Turn on the TV/VCR

To turn on the TV/VCR, press the ON•OFF button on the remote or the POWER button on the front of the TV/VCR (the POWER indicator on the front of the TV/VCR lights).

Note: If the screen seems dim, you need to turn off the Energy Save feature. Instructions are on page 13.

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Connections & Setup

Initial Setup

The first time you turn on your TV/VCR, you'll be asked to set a few screens so that your TV/VCR will be set up correctly. Complete the following steps to set up your TV/VCR.

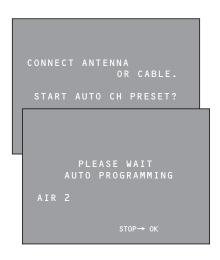


Select a Language

The first time you turn on the TV/VCR, the *SELECT LANGUAGE* menu appears on the screen. If you want the on-screen menus to appear in English, press the OK button on the remote control. If you want the on-screen menus to appear in a different language, follow these steps.

- 1. Press the down arrow on the remote to highlight *ESPANOL* (Spanish) or *FRANCAIS* (French).
- 2. Press OK to select the language.

Note: If you need to change the language later, you can access this menu from the Main menu - go to page 37 for instructions.



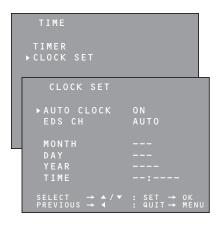
Automatically Searching for Channels

The next part of the initial setup asks you if you want to start *AUTO CH PRESET* (also called auto programming or auto channel search) – this enables the TV/VCR to search for all of the channels that are viewable through your cable TV connection or off-air antenna.

1. If you've connected your antenna or cable, press the OK button on the remote (auto programming starts).

When the search is complete the TV/VCR will automatically tune to the first channel in the channel list.

To stop, press the OK button on the remote control.



Setting the Clock

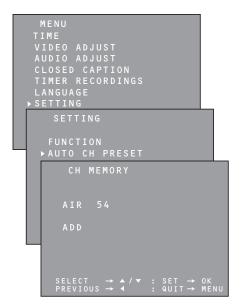
The TV/VCR has an automatic clock setting feature that automatically sets the time from an EDS (Extended Data Service) channel when the power is turned off. If there is no EDS channel, the signal is weak, or you don't want to wait for the time to be downloaded to the TV, you can set the clock manually (instructions are on page 35).

To set the clock.

- 1. Display the *TIME* menu, use the up or down arrow to select *CLOCK SET* and press OK.
- 2. The *CLOCK SET* screen appears. Press the up or down arrow to select *AUTO CLOCK ON* and press OK.

The indicator moves to *EDS CH*. If you know the EDS channel in your area, use the up and down arrows to enter the number or select *AUTO* and press OK.

Turn off the power. The clock is set automatically using the EDS signal. It may take a few hours to set the clock.



Add or Erase Channels

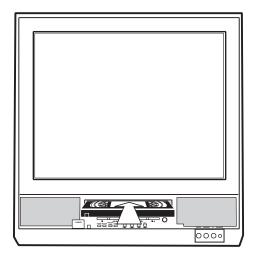
You might want to add or erase some channels if they're inactive, have weak signals, or you don't want them in your channel list. The channel list is the list of channels that the TV/VCR tunes to when you press the channel up and/or channel down buttons.

Note: Even if you erase a channel, you can still tune to it by pressing the number buttons on the remote control.

- 1. Press MENU on the remote (the main *MENU* appears).
- 2. Press down arrow button to highlight SETTING.
- 3. Press OK (the SETTING menu appears).
- 4. Press the down arrow button to highlight CH MEMORY.
- 5. Press OK (the *CH MEMORY* menu appears). Follow the on-screen directions to *ADD* or *ERASE* a channel.
- 6. You can add or erase more channels by entering the channel number or pressing CH + or CH –.
- 7. To exit, press the MENU button.

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Connections & Setup



VCR Basics

Now that you've finished the initial setup, you can watch TV or start using the VCR part of your product.

Playing a Tape

- 1. Insert a tape in the TV/VCR.
 - If the safety tab on the videotape is removed, the tape automatically begins playback.
- 2. Press the VCR button on the remote to put the remote in VCR mode.
 - Press FORWARD or REVERSE on the remote to advance the tape forwards or backwards respectively.
 - Press PLAY (if necessary) to begin playing the tape.
 - Press PAUSE for stop action.
 - Press TRACKING + or to remove any streaks from the picture, if necessary.
 - Press STOP to stop playing the tape.
 - Press STOP/EJECT on the TV/VCR when the tape is stopped to eject the tape.

Automatic Rewind

The TV/VCR automatically rewinds the tape when it reaches the end of the tape during playback.

Basic Recording

- 1. Insert a videotape, with its safety tab in place, into the TV/VCR.
 - Note: You can't record on a tape with the safety tab removed. If the safety tab is removed and you want to record on the tape, simply cover the hole with adhesive tape.
- 2. Make sure the remote control is in VCR mode by pressing the VCR button.
- 3. Press RECORD to begin recording.
- 4. 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.

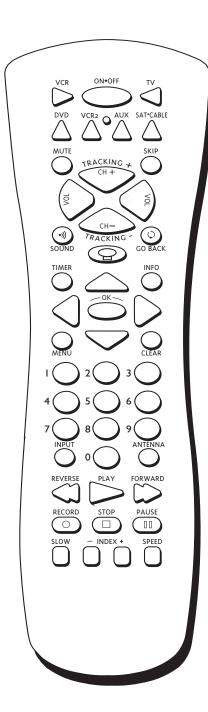
Note: Recording can't be done in the COMPONENT INPUT (video/audio) mode.

Remote Control

Chapter Overview:

- The buttons on the remote control
- Programming the remote to operate other components
- How to use the remote after you've programmed it
- How to order a new remote control
- Code list





The Buttons on the Remote Control

Your backlit remote has a light button that glows in the dark. Press this button to light the channel up and channel down (CH +/-) and volume up and down (VOL </>)buttons. If you don't press any buttons for several seconds, the light turns off to conserve battery power.

0-9 (Number buttons) Enter channel numbers directly through the remote.

To enter a 2-digit channel, press the two digits. To enter a 3-digit channel, press and hold the first digit until two dashes appear on the screen (to the right of the first number), then add the next two digits. Example: to tune to channel 123, press and hold 1 until 1— appears, press 2, then press 3.

ANTENNA button Used to switch between off-air and cable mode in VCR mode.

Arrow buttons (up, down, right, and left) Press the arrow buttons to move through the on-screen menus.

AUX button Puts the remote in AUX mode.

CH (+ and –) buttons Scan up or down through stored channels. Press once to change the channel up or down; press and hold to continue changing channels. The remote must be in TV mode — press the TV button.

CLEAR button Resets the time counter. The remote must be in VCR mode — press the VCR button.

DVD button Puts the remote in DVD mode. Operates RCA, GE, and Proscan DVD Players.

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

INPUT button Repeatedly press to select the TV/VCR tuner, or line inputs (*LINE 1* for the rear LINE IN/IN1 jacks, *LINE 2* for the front VIDEO, L/MONO, R jacks or *COMPONENT* for the COMPONENT jacks).

FORWARD (fast forward) button Fast forwards the tape when the TV/VCR is stopped. Also searches the picture in forward motion during playback. The remote must be in VCR mode — press the VCR button.

GO BACK button Returns you to the previous channel. The remote must be in TV mode — press the TV button.

INDEX (+ and –) buttons Searches for recorded index marks. The remote must be in VCR mode — press the VCR button.

MENU button Displays the TV/VCR's main *MENU*.

MUTE button Lowers the TV/VCR volume to its minimum level and automatically turns on closed-captioning. Press again to restore volume and turn off closed-captioning.

ON•OFF button In TV or VCR mode, turns the TV/VCR on and off. If the remote is in another component mode (DVD, SAT•CABLE, etc.) and has been programmed (DVD, SAT•CABLE, etc.), press the ON•OFF button to turn that component on and off.

PAUSE button Pauses the tape during playback. Press again to advance tape one frame. Also pauses the tape during recording to prevent recording of unwanted scenes. The remote must be in VCR mode — press the VCR button.

PLAY button Plays a tape. Starts normal playback from pause or slow motion. The remote must be in VCR mode — press the VCR button.

RECORD button Starts TV/VCR recording. The remote must be in VCR mode — press the VCR button.

REVERSE button Rewinds the tape when the TV/VCR is stopped. Also searches the picture in reverse during playback. The remote must be in VCR mode — press the VCR button.

SAT•CABLE button Puts remote in cable or satellite mode.

SKIP button Press once before changing channels and the TV/VCR will wait 30 seconds before returning you to the original channel. Press repeatedly to add more time. The remote must be in TV mode — press the TV button.

SLOW button Press to start slow-motion during playback. The remote must be in VCR mode — press the VCR button.

SOUND button Press to select the audio output.

SPEED (Tape Speed) button Selects a recording speed (SP or EP). The remote must be in VCR mode — press the VCR button.

STOP button When you're using the VCR, stops the following: record, play, rewind, fast forward, and pause. The remote must be in VCR mode — press the VCR button.

TIMER button Press to set timer recording. Press to operate TV/VCR when timer recording is set (the PROGRAM EVENT indicator on the front of the TV/VCR lights). Press again to reset timer recording. The remote must be in VCR mode — press the VCR button.

TRACKING (+ and –) buttons Reduces streaks which may appear on the picture during regular or slow-motion playback. Reduces picture "jitter" during stop-action (paused) playback. The remote must be in VCR mode — press the VCR button.

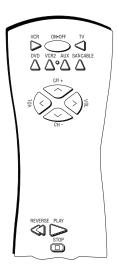
TV button Puts remote in TV mode.

VCR button Puts remote in VCR mode.

VCR2 button Puts the remote in VCR2 mode to operate a VCR that has been programmed to work with the VCR2 button.

VOL (< and >) buttons Decrease or increase the TV/VCR volume.

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You'll use these buttons when you program the remote to operate another component.

The remote may not operate all models of all brands.

Tip

To stop the automatic code search without programming any components, press and hold CLEAR until the light on the remote turns off.

Programming the Remote to Operate Other Components

The universal remote control can be programmed to operate most brands of remote controllable VCRs, satellite receivers and cable boxes. The remote is already programmed to operate most RCA, GE and Proscan TVs, VCRs, DVD players, laserdisc players and satellite receivers.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed, turn a component ON, such as a VCR, point the remote at the VCR, and press the VCR2 button. Then press ON • OFF or channel up or channel down to see if the VCR responds to the remote commands. If not, the remote needs to be programmed.

How to Program the Remote

There are two ways to program the remote control: automatic code search and direct entry. Instructions for both ways follow.

Using Automatic Code Search

- 1. Turn on the component you want the remote to operate (VCR, DVD Player, etc.)
- Press and hold the component button on the remote control that corresponds to the component you want the remote to operate (VCR2, DVD, etc.). While you hold down the component button, press and hold ON•OFF (when the red light on the remote turns on, release both buttons).
- 3. Press PLAY (the red light on the remote, located below the ON•OFF button, starts flashing).

The remote is searching the first set of component codes (there are 20 sets of codes). If the component you want to operate doesn't turn off automatically after 5 seconds, press PLAY again (the red light starts flashing again as the remote searches through the next set of codes).

Continue pressing PLAY until the component turns off.

Note: If the component doesn't turn off after you've pressed the PLAY button 20 times, the component can't be programmed.

- 4. Press REVERSE, wait 2 seconds. Repeat this step until the component turns back on.
- 5. To finish, press and hold the STOP button until the red light on the remote turns off.

Using Direct Entry

- 1. Turn on the component you want the remote to operate.
- 2. Look up the brand and code number(s) for the component on the code list on page 20.
- 3. Press and hold component button that corresponds to the component you want the remote to operate (VCR2, DVD, etc.)
- 4. Enter the code from the code list on page 20.
- 5. Release the component button.
- 6. Press ON•OFF to see if the component responds to the remote commands. If it doesn't, try pressing the component button and then ON•OFF again.
- 7. If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.

How to Use the Remote After You've Programmed It

Once the remote has been programmed successfully, you are ready to use it to control your components. To operate the component:

- 1. Press the component button (VCR2, DVD, AUX, or SAT•CABLE) to set the remote to control the component.
- 2. Press ON•OFF to turn the component ON or OFF.
- 3. Use the remote buttons that apply to that component.

Notes:

- If you keep pressing buttons and nothing happens, the remote is probably in the
 wrong mode. You must press the component button that matches the component you
 want to operate (i.e., if you want to operate the DVD player, press DVD on the remote
 control to put the remote in DVD mode.)
- The buttons might operate differently for other components, especially when you're using another component's menu system.

How to Order A New Remote Control

To order a new remote control or other accessories to use with your TV/VCR, go to Accessory information in Chapter 5.

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VCR

Admiral	2131
Adventura	
Aiwa 2002	
Aiwa	
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Sears	2049, 2002, 2021, 2002, 2015, 2002, 2025, 2056,	2050, 2017, 2017, 2002, 2022, 2022, 2049, 2013, 2061,	2011, 2051, 2029, 2004, 2026, 2014, 2051, 2009, 2014, 2096,	2014, 2055, 2094, 2004, 2098, 2062, 2026, 2021, 2055, 2010, 2015, 2101,	2021, 2056, 2095, 2056, 2021, 2099, 2063, 2026, 2013, 2065, 2010, 2015, 2021, 2102,	2023, 2107, 2096, 2061, 207, 2096, 2061, 207, 207, 207, 207, 207, 207, 207, 207	2116 2018 2013 2013 2013 2131 2128 2128 2128 2128 2014 2014 2014 2014 2014 2014 2019 2019 2019 2019 2019 2019 2019 2019
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Sears	2049, 2002, 2021, 2002, 2015, 2002, 2025, 2056,	2050, 2017, 2017, 2002, 2022, 2022, 2049, 2013, 2061,	2011, 2051, 2029, 2004, 2026, 2026, 2014, 2051, 2009, 2014, 2096,	2014, 2055, 2094, 2004, 2098, 2062, 2026, 2021, 2055, 2010, 2015, 2101,	2021, 2056, 2095, 2056, 2021, 2099, 2063, 2026, 2013, 2065, 2010, 2015, 2021, 2102,	2023, 2107, 2096, 2061, 207, 2096, 2061, 207, 207, 207, 207, 207, 207, 207, 207	2116 2018 2013 2013 2013 2131 2128 2128 2128 2128 2014 2014 2014 2014 2014 2014 2019 2019 2019 2019 2019 2019 2019 2019
Sears	2049, 2002, 2021, 2002, 2015, 2002, 2025, 2056,	2050, 2017, 2017, 2002, 2022, 2022, 2049, 2013, 2061,	2011, 2051, 2029, 2004, 2026, 2026, 2014, 2051, 2009, 2014, 2096,	2014, 2055, 2094, 2004, 2098, 2062, 2026, 2021, 2055, 2010, 2015, 2101,	2021, 2056, 2095, 2056, 2021, 2099, 2063, 2026, 2013, 2065, 2010, 2015, 2021, 2102,	2023, 2107, 2096, 2061, 207, 2096, 2061, 207, 207, 207, 207, 207, 207, 207, 207	2116 2018 2013 2013 2013 2131 2128 2128 2128 2128 2014 2014 2014 2014 2014 2014 2019 2019 2019 2019 2019 2019 2019 2019
Sears	20492002	2050, 2017, 2017, 2002, 2022, 2022, 2049, 2013, 2061,	2011, 2051, 2029, 2004, 2026, 2026, 2014, 2051, 2009, 2014, 2096,	2014, 2055, 2094, 2004, 2098, 2062, 2026, 2021, 2055, 2010, 2015, 2101,	2021, 2056, 2095, 2056, 2021, 2099, 2063, 2026, 2013, 2065, 2010, 2015, 2021, 2102,	2023, 2107, 2096, 2061, 207, 2096, 2061, 207, 207, 207, 207, 207, 207, 207, 207	2116 2018 2013 2013 2013 2131 2128 2128 2128 2128 2014 2014 2014 2014 2014 2014 2019 2019 2019 2019 2019 2019 2019 2019

Cable Boxes

ABC	5002, 5003, 500	04, 5005, 5006	5, 5007,	505
Antronix			5008,	5009
Archer		5008, 5009	, 5010,	501
Cabletenna				5008
Cableview				5008
Century				
Citizen				501
Colour Voice			5012,	5013
Comtronics			5014,	5015
Contec				5010
Eastern				
Garrard				501

GC Electronics					5009
Gemini			5018.	5019.	5049
General Instrument					5003
Hamlin	5020,	5021,	5022,	5035,	5045
Hitachi					5003
Hytex					5002
Jasco					5013
Jerrold 5003, 5005, 5007	,5018,	5023,	5024,	5046,	5053
Magnavox					5025
Memorex					
Movie Time			5002,	5027,	5028
NSC					
Oak			. 5002	.5016.	5029
Panasonic				5048.	5052
Paragon					
Philips		5011.	5012.	5013.	5019
•		=00=	5020	5021	=000
Pioneer				5033.	5034
Pulsar					
RCA			5047	5049	5052
Realistic					
Regal					
Regency					
Rembrandt					
Runco					
Samsung				5014	5034
Scientific Atlanta		5006	5036	5037	5039
Signal					
Signature					
SL Marx					
Sprucer					
Starcom					
Stargate					
Starguest					
Tandy					
Teleview					
Tocom					
Toshiba					
Tusa					
TV86					
Unika					
United Artists					
United Cable					
Universal		5008,	5009,	5010,	501.
Videoway Viewstar		5015	5025	5027	5044
viewstar		5015,	5025,	502/,	5040
Zenith			5026,	5050,	202

Satellite Receivers

Chapparal	5056,	505
Drakê		
GE		5000
General Instruments	5060, 5061,	5062
Panasonic		
Primestar		5070
ProScan		5000
RCA		5000
Realistic		
Sony		
STS1		5064
STS2		5065
STS3		5060
STS4		506
Toshiba		5068
Toshiba		507

Chapter Overview:

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



```
MENU
TIME
VIDEO ADJUST
AUDIO ADJUST
CLOSED CAPTION
TIMER RECORDINGS
LANGUAGE
SETTING
V-CHIP BLOCK

SEL
PRE

DOWNLOAD
TV GUIDELINES

DOWNLOAD
STATUS

DOWNLOAD
```

```
TV GUIDELINES

AGE D L S V FV

TV-Y □ - - - - □

TV-Y7 □ - - - - □

TV-G □ - - - - □

TV-PG □ □ □ □ □ □

TV-14 □ □ □ □ □ □

TV-MA □ - □ □ □ □

□:VIEW

□:VIEW

RELECT → ▲/▼ : SET → OK

PREVIOUS → ◀ : QUIT → MENU
```

```
MPAA
G --
PG --
PG-13 --
PR BLOCK
NC-17 BLOCK
X BLOCK

SELECT → A/▼: SET → OK
PREVIOUS → ▼ : QUIT → MENU
```

Parental Controls and V-Chip

The *V-CHIP BLOCK* feature allows you to program your TV/VCR so that children can't see certain programs or channels.

- TV GUIDELINES menu allows you to block TV programs based on age, violence, sex, or other content you don't want your children to view.
- MPAA menu allows you to block movies and TV programs according to the MPAA (Motion Pictures Association of America) ratings system.

You block and unblock programs by turning the V-Chip feature on or off in the *V-CHIP BLOCK* menu, and using password you create. Be sure to remember your password.

By default, the software inside your TV is turned off, so if you don't want to use this feature, you don't need to do anything.

How V-Chip Works

When the V-Chip software is activated (or turned on), it 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, a message will appear and the channel won't be available for viewing.

Broadcasters aren't required to provide content themes, so programs that aren't tagged with a content theme can only be blocked if you block their age-based rating.

The TV age-based ratings and content themes and MPAA ratings are listed on the following pages.

New Rating Systems

The TV/VCR allows you to download additional new rating systems. If you watch a program with the new system, you can download the new V-Chip data for that program.

Age-Based Rating	Description and Content Themes for Age-Based Ratings
TV-MA	Mature Audience Only . 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).
TV-14	Parents Strongly Cautioned . 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).
TV-PG	Parental Guidance Suggested . 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).
TV-G	General Audience . 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).
TV-Y7	Directed to Children 7 years and older . Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between makebelieve 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.
TV-Y	All Children . 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.

Set the TV GUIDELINES Rating Limits

The *TV GUIDELINES* menu lets you decide which TV programs can and can't be viewed according to age and/or content. The TV/VCR locks and unlocks the parental controls settings using a password you select.



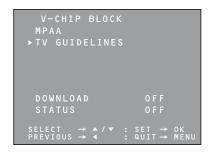


- 1. Press MENU on the remote (the main MENU appears).
- 2. Press the up or down arrow until *V-CHIP BLOCK* is highlighted and press OK (*INPUT SECRET NO*. appears).
- 3. Use the number buttons on the remote control (0-9) to enter a number and press OK. Repeat entering numbers until you have entered four numbers.

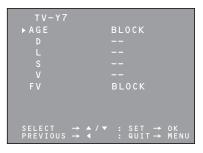
Notes: Remember your number. If you've entered a number previously, enter that same number.

If you forget your password, unplug the TV. Press and hold both the VOL up and STOP/EJECT buttons on the front panel of the TV/VCR while you plug in the TV/VCR. Release the buttons after approximately 2 seconds. This resets the password.

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4. The *V-CHIP BLOCK* menu appears. Use the down arrow button to select *TV GUIDELINES* and press OK (the *TV GUIDELINES* menu appears).



5. Press the up or down arrow buttons to select the age-based rating or its contents that you want to block, and press the OK button.

Note: All higher ratings and contents will be automatically blocked.

- 6. When the desired rating screen appears, press the up or down arrow buttons and OK button to *BLOCK* or unblock (– –) the age rating and any content rating you are allowed to set.
- 7. Press the left arrow button to return to the *TV GUIDELINES* menu or press MENU to exit.

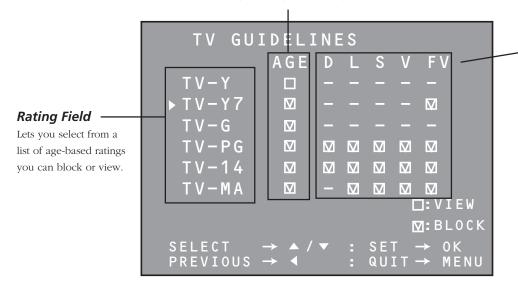
Note: The illustration below shows the *TV GUIDELINES* menu with the various fields described.

Tip

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

Rating Status Field

Shows you whether the status of the age-based rating limit to the left is *VIEW* (no check) or *BLOCK* (checked)..



Content Themes

Lists the content themes you can block or view.

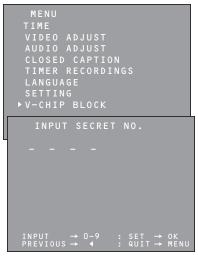
Shows distinction between content ratings that can be set (square) and content ratings that cannot be set (–) because they are not broadcast.

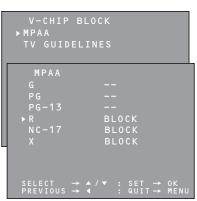
Lets you view whether the status of the content theme is currently *VIEW* (no check) or *BLOCK* (checked).

Set the MPAA Rating Limits

The MPAA menu lets you decide which movies can and can't be viewed according to the age-based rating of the MPAA. The TV/VCR locks and unlocks the parental control settings using a password you select.

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.





- 1. Press MENU on the remote to display the main MENU.
- 2. Use the up or down arrow to select *V-CHIP BLOCK* and press OK on the remote.
- 3. The *INPUT SECRET NO*. menu appears. Use the number buttons (0-9) to enter a number and press OK. Repeat entering numbers until you have entered four numbers.

Notes: Be sure to remember your number. If you have entered a number previously, enter that same number.

If you forget your password, unplug the TV. Press and hold both the VOL up and STOP/EJECT buttons on the front panel of the TV/VCR while you plug in the TV/VCR. Release the buttons after approximately two seconds. This resets the password.

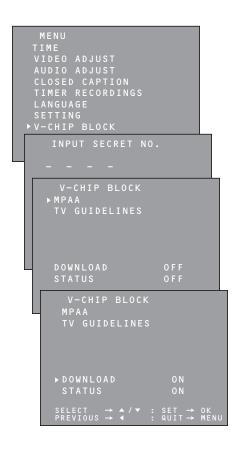
- 4. The V-CHIP BLOCK menu appears with MPAA highlighted. Press OK.
- 5. The MPAA menu appears.
- 6. Use the up and down arrows to select the age-based rating that you want to block, and press the OK button.
- 7. Use the up or down arrow to select *BLOCK* or unblock (--) for that rating and press OK.

Note: All higher ratings will be automatically blocked. For example, if you block R, NC-17 and X will also be blocked.

8. Press MENU to exit.

Age-Based Rating	Description for MPAA Age-Based Ratings
Х	An Older Rating. Encoded on older movies. Same as NC-17.
NC-17	No one 17 and under admitted.
R	Restricted. Under 17 requires accompanying parent or adult guardian.
PG-13	Parents Strongly Cautioned. Some material may be inappropriate for children under 13.
PG	Parental Guidance Suggested. Some material may not be suitable for children.
G	General Audience. All ages admitted.

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Download New Rating System

You can choose to download additional new rating systems. The new rating systems will be automatically set according to the ratings you have previously chosen.

- 1. Press MENU on the remote (the main *MENU* appears).
- 2. Press the up or down arrow button to select *V-CHIP BLOCK* and press OK (*INPUT SECRET NO*. menu appears).
- 3. Press the number buttons (0-9) to enter a number and press OK. Repeat entering numbers until you have entered 4 numbers.

Notes: Be sure to remember your number. If you have entered a number previously, enter that same number.

If you forget your password, unplug the TV. Press and hold both the VOL up and STOP/EJECT buttons on the front panel of the TV/VCR while you plug in the TV/VCR. Release the buttons after approximately two seconds. This resets the password.

- 4. The *V-CHIP BLOCK* menu appears. Use the down arrow to select *DOWNLOAD* and press OK.
- 5. Press the down arrow to select *ON* and press OK. The new V-Chip Data will not be downloaded unless you watch a channel sending the new system data.

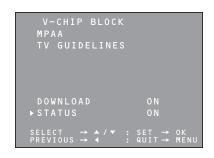
Note: If you watch a channel that uses the new system, *PLEASE WAIT NOW DOWNLOADING V-CHIP DATA* will appear.

6. Press MENU to exit.

Turning V-Chip Block On and Off

If you don't turn on the V-Chip feature, none of the settings for V-Chip Rating Limits will take effect.

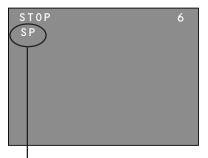
- 1. Follow Steps 1-3 above to display the V-CHIP BLOCK menu.
- 2. Use the down arrow to select STATUS and press OK.
- 3. Use the down arrow to select STATUS ON or STATUS OFF and press OK.
 - **STATUS ON** V-CHIP HAS BEEN ACTIVATED will appear when you tune to a channel with a rating you have blocked. When this message appears, press the MENU button and enter the secret code to temporarily cancel the V-Chip block.
 - **STATUS OFF** No channels will be blocked.
- 4. Press MENU to exit.



Recording Features

The TV/VCR provides several different ways to record programs. The following pages explain how to use the types of recording features. If you're using the remote control, you must press the VCR button to put the remote control in VCR mode.

Note: Recording can't be done in the COMPONENT INPUT (video/audio) mode.



Tape speed indicator

	Recording Time		
Таре	SP	EP	
T-120	2 hours	6 hours	
T-160	2 hrs 40 min	8 hours	

Recording Speeds

Press SPEED on the remote 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.
- **EP** (Extended Play) gives three times the recording time of tapes recorded in SP.

Recording Pause

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

Press PAUSE during recording to temporarily stop and start recording (*PAUSE* appears on the screen while the tape is paused). The TV/VCR automatically switches from pause to stop after a few minutes to prevent tape wear.

Types of Recording

Your TV/VCR provides three ways to capture programming:

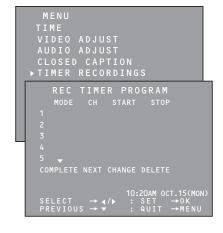
- **Recording** allows you to press one button to record a program.
- **Timer Recording** program the TV/VCR for a daily, weekly, or one time recording which will automatically start and stop at the times you set.
- Copying and Editing Tapes allows you to record from another VCR or camcorder.

Timer Recording

Timer recording allows you to program the TV/VCR to record up to five 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 main MENU.
- 2. Press the up or down arrow to select *TIMER RECORDINGS* and press OK (the *REC TIMER PROGRAM* menu appears).



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```
REC TIMER PROGRAM

MODE CH START STOP

1
2
3
4
5

COMPLETE NEXT CHANGE DELETE

10:20AM OCT.15(MON)

SELECT → 4/> : SET → 0K
PREVIOUS → ▼ : QUIT → MENU
```

```
REC RESERVATION-1

MODE FRI.19
CH 10
START 4:30PM
STOP 6:30PM
▶ SPEED SP

10:20AM OCT.15(MON)
SELECT → A / ▼ : SET → OK
PREVIOUS → ▼ : QUIT → MENU
```

```
REC TIMER PROGRAM

MODE CH START STOP

1 FRI 10 4:30PM 6:30PM SP

2

3

4

5

COMPLETE NEXT CHANGE DELETE

10:20AM OCT.15(MON)

SELECT → ↓ / ▶ : SET → 0 K
PREVIOUS → ▼ : QUIT → MENU
```

```
REC TIMER PROGRAM

MODE CH START STOP

1 DAILY 10 4:30PM 6:30PM SP
2 MON-FRI 58 10:00AM 11:30AM EP
3 20(SAT) 56 11:30AM 1:20PM SP

4

5

COMPLETE NEXT CHANGE DELETE
SELECT PROGRAM TO DELETE

10:20AM OCT.15(MON)

SELECT → ◀/ト: SET → OK
PREVIOUS → ▼: QUIT → MENU
```

```
MENU
TIME
VIDEO ADJUST
AUDIO ADJUST
CLOSED CAPTION
►TIMER RECORDINGS
LANGUAGE
SETTING
V-CHIP BLOCK

SELECT → A/V : SET → OK
```

- 3. Press the right arrow button to select NEXT and press OK.
- 4. Press the up or down arrow button to scroll through the *MODE* settings (i.e., how often): *DAILY*-every day, *MON-SAT* Monday through Saturday, *MON-FRI*, weekdays, or a certain day of the week) and press OK.
- 5. Press the up or down arrow button until the correct channel appears in the *CH* field, and press OK to set it.
- 6. Use the up or down arrow buttons and the OK button to enter the hour and minutes for the *START* and *STOP* time and *SPEED* (*SP* or *EP*).
- 7. Review the information to make sure it is correct, and then use the left or right arrow button to select *COMPLETE* if you are finished or *NEXT* if you wish to enter another program.

The data includes the date, channel number, start and end times (including AM or PM), and speed. To correct a previous entry during a timer setting, use the left arrow to select the item you want to change, and press OK.

- 8. Repeat steps 4-7 for additional programs.
- 9. Insert a tape with safety tab intact before the recording is to begin. Press the TIMER button on the remote. The PROGRAM EVENT indicator on the TV/VCR's front panel will light when a timer recording is set.

Note: If you press the TIMER button and haven't put a tape in the TV/VCR, the PROGRAM EVENT indicator will flash. If you've inserted a tape that has had its safety tab removed, the tape will be ejected.

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.

Notes: To operate the TV/VCR when the PROGRAM EVENT indicator is on, press TIMER on the remote to turn off the indicator. When you are finished, be sure to insert a tape and press the TIMER button to set the TV/VCR.

If two programs overlap, the end recording time of the first program will have priority over the start of the second program.

Check, Change, or Delete Timer Recordings

If the PROGRAM EVENT indicator on the front panel of the TV/VCR is lit, you must press the TIMER button on the remote to turn it off before you can change or delete a program.

- 1. Press MENU (the main *MENU* appears).
- 2. Press the up or down arrow button to select *TIMER RECORDINGS* and press OK (the *REC TIMER PROGRAM* menu appears).
- 3. To change a program, use the left or right arrow buttons to select *CHANGE* and press OK. Use the up or down arrow to select the program you want to change and re-enter the program.

```
REC TIMER PROGRAM

MODE CH START STOP

1 DAILY 10 4:30PM 6:30PM SP
2 MON-FRI 58 10:00AM 11:30AM EP
3 20(SAT) 56 11:30AM 1:20PM SP
4
5
COMPLETE NEXT CHANGE DELETE
SELECT PROGRAM TO DELETE

10:20AM OCT.15(MON)
SELECT → 4/>: SET → 0K
PREVIOUS → ▼ : QUIT → MENU
```

To delete a program, use the left or right arrow buttons to select *DELETE* and press OK. Use the up or down arrow buttons to select the program you want to delete and press OK.

4. After you have reviewed all of your programs press MENU to exit.

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.

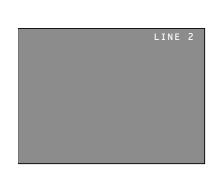
- 1. Turn on the VCR or camcorder and the TV/VCR.
- Press INPUT on the TV/VCR's remote to select the correct line input for the device you have connected (*LINE1*--back LINE IN 1 jacks, *LINE2*--front jacks).
- 3. Insert the tape you want to copy into the playback VCR or camcorder. Insert a blank tape 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 RECORD, 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.

One-Touch Recording

The One-Touch recording feature enables you to enter the time that you want to stop recording.

Note: You can't use One-Touch recording if the clock isn't set.

- 1. Tune the TV/VCR to the channel you want to record.
- 2. Make sure a tape, with its safety tab in place, is in the TV/VCR. Set the recording speed (SP or EP) with the SPEED button on the remote control.
- 3. Press RECORD. Then, press RECORD again (the recording stop time is displayed).
- 4. Each time you press RECORD, the time increases by 15 minutes (keep pressing RECORD until the time you want to stop recording appears).
- 5. Your TV/VCR will stop recording automatically at the time you've set.



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Picture Search Options

The most basic way to search during playback is using the FORWARD or REVERSE buttons. This section contains several other options available for searching a tape. Press PLAY to return to normal screen.

Frame Advance

Frame advance allows you to view one-stop action frame after another during playback.

- 1. Press PAUSE during playback to freeze the action.
- 2. Press PAUSE again each time you want to view the next frame of the scene.
- 3. Press PLAY to return to normal playback.

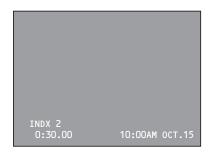
Slow Motion

Slow motion lets you play back the tape in slow motion.

- 1. Press SLOW on the remote during playback to start slow-motion playback.
- 2. If necessary, press TRACKING + or to adjust picture to minimize video noise.
- 3. Press PLAY to return to normal playback.

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.

To Select a Specific Index Number for Index Playback.

- 1. Insert the pre-recorded tape containing index marks and press STOP.
- 2. Press INDEX + once on the remote for each index number (up to 19) you want to locate forward on the tape.

Press INDEX – once on the remote for each index number (down to -19) you want to locate in reverse on the tape.

When the TV/VCR locates the index mark you selected, it will begin playback. If the TV/VCR reaches the end of the tape before the index mark is located, it will cancel index playback.

Note: When using index playback, the following index marks might 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.
- Marks on worn or damaged tape.

Tracking

Your TV/VCR has automatic tracking which removes streaks and "noise" from the picture. Tracking has no effect when recording – only during playback. Automatic tracking is activated when you insert a tape. *TRACKING* flashes on the TV screen during automatic tracking.

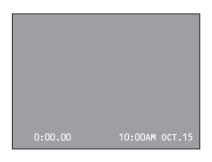
Occasionally you may need to manually adjust tracking, especially if the tape was recorded on a different VCR. Press the TRACKING + or – on the remote (CH + or CH– on the front of the TV/ VCR) to remove streaks and noise. You can also use tracking when pausing a tape to reduce the noise of the still picture. When you use manual tracking, automatic tracking turns off.

The automatic tracking feature is restored the next time you insert a tape.

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.

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:



- Press the INFO button to display the time counter.
- 2. Press the CLEAR button to reset the time counter to 0:00.00.
- 3. Press FORWARD 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.

Chapter 3 31

Audio Features

The audio you select affects both tape playback and recordings.

Note: The TV/VCR must be properly connected to a stereo system using audio/video cables to hear stereo sound.

Press the SOUND button on the remote to select the type of audio you want to listen to or record. You can use the *AUDIO ADJUST* menu in the next chapter to adjust the sound.

Reception

Some TV programs are broadcast with stereo audio or a Second Audio Program (SAP) which offers a second language. The SOUND button on the remote lets you select the type of audio you want to listen to or record. Press the SOUND button on the remote repeatedly to switch between *STEREO*, *SAP* or *MONO*.

- **STEREO** Used to hear/record normal or stereo broadcast TV. *ST* appears on the TV screen when stereo is being broadcast.
- **SAP** Used to hear/record a Second Audio Program. *SAP* appears on the TV screen when stereo is being broadcast. Records the selected audio (SAP or Main).
- Mono Used to hear/record monoaural sound.

Note: The TV/VCR defaults to mono if the stereo signal is weak, too noisy, or the program isn't being broadcast in stereo (no indicator appears on the screen).

Tape Playback

The VCR records audio on both the Hi-Fi stereo and linear tracks on the tape. Hi-Fi sound is recorded on separate left and right stereo channels. Monaural sound is recorded on the linear track. Records the audio (SAP or Main) selected with the SOUND button. To enjoy Hi-Fi sound, connect your TV/VCR to a stereo system using the audio jacks.

Note: Tapes recorded on a mono VCR will automatically be played back in linear audio.

Press the SOUND button repeatedly to switch between LR, L, R, or mono (no display).

- | I · L R · I | (Hi-Fi) Used for normal playback. Both the left and right channels will be played from the audio track.
- | | L (Hi-Fi) Used to hear the left channel of the Hi-Fi track played through both speakers.
- Rul (Hi-Fi) Used to hear the right channel of the Hi-Fi track played through both speakers.
- **LINEAR (No Display)** Used to play back the sound recorded on the linear monaural track, such as a Second Audio Program, or a dubbed voice-over.

Using the TV/VCR's Menu System

Chapter Overview:

- How to Use Your TV/VCR's Menu System
- The TIME Menu
- The VIDEO ADJUST Menu
- The AUDIO ADJUST Menu
- The LANGUAGE Menu
- Setting Closed Caption Modes
- Additional Setup Features



Using the TV/VCR's Menu System

How to Use Your TV/VCR's Menu System

The *V-CHIP BLOCK* menu and the *TIMER RECORDINGS* menu were explained in Chapter 3. This Chapter explains the rest of the menu system. Use the buttons on the remote to access the menu system and make changes to the settings. To highlight or point to an item on the screen, press the arrow buttons on the remote (you'll notice the triangular icon moves). To select an item or activate a choice, press the OK button.

```
MENU

TIME

VIDEO ADJUST

AUDIO ADJUST

CLOSED CAPTION

TIMER RECORDINGS

LANGUAGE

SETTING

V-CHIP BLOCK

SELECT → ▲/▼: SET → OK

PREVIOUS → ◀: QUIT → MENU
```

Tip

Feel free to explore the menu system. The up and down arrow buttons on the remote move the triangular icons to different choices to indicate that you've highlighted an item. The OK button is used to select a choice you've highlighted. To exit the menu system, press MENU.



Accessing Menus

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

The choices in the main menu take you to a sub-menu or screen that enables you to change a setting.

Exiting from a menu

There are two ways to exit a menu:

- Press MENU on the r emote to go to nor mal screen.
- Press the left ar row button to go to the pr evious menu.

TIME Menu

You must set the clock before you can use the ON TIMER or SLEEP TIMER.

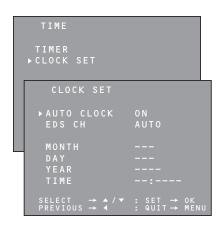
CLOCK SET The TV/VCR has an automatic clock setting featur — e that automatically sets the time fr — om an EDS (Extended Data Ser — vice) channel when the power is tur—ned of f. If ther e is no EDS channel or the signal is weak, the automatic clock setting may not function pr — operly. You can tur n off the automatic clock setting featur — e and enter the time and date manually.

 $egin{aligned} \emph{ONTIMER} & \textit{Lets}\ \textit{you}\ \textit{set}\ \textit{the}\ \textit{timer}\ \textit{to}\ \textit{tur} & \textit{n}\ \textit{the}\ \textit{TV/VCR}\ \textit{on}\ \textit{automatically}\ . \end{aligned}$ You can set it to wake you up in the mor program is about to star t.

SLEEP TIMER Lets you select the amount of time you want to give the TV/VCR before it shuts itself of f.

To set the clock.

- 1. Display the *TIME* menu, use the up or down ar row to select *CLOCK SET* and pr ess OK.
- 2. The *CLOCK SET* screen appears.



CLOCK SET

AUTO CLOCK OFF
EDS CH AUTO

MONTH OCT
DAY 15
YEAR 2001
►TIME 10:20AM

SELECT → ▲/▼: SET → OK
PREVIOUS → ▼: QUIT → MENU





• **Automatic Clock Set** Press the up or down ar row to select *AUTO CLOCK ON* and pr ess OK.

The indicator moves to EDS CH. If you know the EDS channel in your ar ea, use the up and down ar rows to enter the number or select AUTO and press OK

Turn of f the power . The clock is set automatically using the EDS signal. It may take a few hours to set the clock.

• **Manual Clock Set** Press the up or down ar row to select *AUTO CLOCK OFF* and pr ess OK.

The indicator moves to *MONTH*. Press the up or down ar row to select the *MONTH* and pr ess OK.

Continue using the up and down ar rows and OK button to enter the *DAY*, *YEAR*, *TIME* (hour, minutes).

Note: To correct an entry, press the left arrow to return to the entry you want to correct. Press the up or down arrow to enter the correct data, and press OK.

3. Press MENU when you are finished. If the clock is properly set, the correct time and date will appear on the screen when you turn on the power.

To set the ON TIMER or SLEEP TIMER.

- 1. Display the *TIME* menu, use the up or down ar row button on the r emote to select *TIMER* and pr ess the OK button (the *TIMER* menu appears).
- 2. Use the up or down ar row button to select *ON TIMER* or *SLEEP TIMER* and press the OK button.
- **ON TIMER** Press the up or down ar row and use OK to select the time (hour including *AM* or *PM* and minutes) you want the *ON TIMER* to turn the TV/VCR on.

The indicator moves to $\it OFF.$ Use the up or down ar row to turn the $\it ON$ $\it TIMER$ on and select whether you want the TV or a tape in the VCR to turn on. If you want the VCR to turn on instead of the TV , select $\it VIDEO ON$ and press OK.

Note: If there is no videotape loaded, the TV will turn on.

To turn off the ON TIMER, select OFF and press OK.

If there is no other operation, the TV/VCR will turen of fautomatically after two hours.

• **SLEEP TIMER** Press the up or down ar row to select **SLEEP TIMER** and press OK.

Press the up or down ar row to select the number of minutes (30M, 60M, 90M, or 120M) you want the TV/VCR to r emain on, and pr ess OK. The TV/VCR will automatically tur n off after the amount of time you have selected.

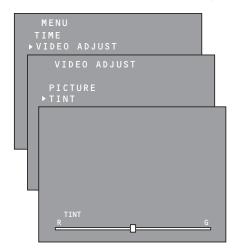
To cancel the *SLEEP TIMER*, select *OFF* and press OK. You can also cancel the sleep timer by turning the TV/VCR of f manually.

3. Press MENU when you'r e finished.

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VIDEO ADJUST Menu

The VIDEO ADJUST menu lets you adjust the way the picture looks on your TV/VCR. You also can reset all of the video features to the factory presets.



- 1. Press MENU (the main MENU appears).
- 2. Press the ar row down button to highlight *VIDEO ADJUST*, and pr ess OK (the following choices appear).

PICTURE Adjusts the difference between the light and dark are eas of the picture.

TINT Adjusts the balance between the r ed and green levels.

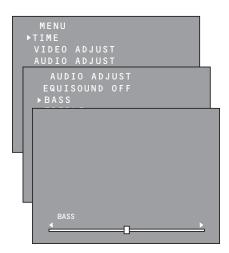
COLOR Adjusts the intensity of the color

BRIGHT Adjusts the brightness of the pictur e.

SHARP Adjusts the sharpness of the pictur e.

COLOR TEMP. Adjusts the color temperatur e (balance between r eddish whites and bluish whites). Pr ess the right or left ar row buttons to scr oll thr ough the choices — *HIGH, LOW, ML* (medium low), and *MH* (medium high).

RESET All settings are changed to the presets used at the factor y.



AUDIO ADJUST Menu

The *AUDIO ADJUST* menu lets you turn EQUISOUND ON and OFF and displays the three slider controls for adjusting the way the audio sounds. You can also reset all of the audio features to the factory presets.

- 1. From the main *MENU*, press the down ar row button to highlight the *AUDIO ADJUST* menu, and pr ess OK (the AUDIO ADJUST menu appears).
- 2. Press the up or down ar row buttons to select the feature you want to adjust, and press OK.
- Select *EQUISOUND ON* to have the volume of the audio r emain constant during pr ogram changes and commer cial breaks.
- Select *EQUISOUND OFF* to have the volume of the audio change during program changes and commer cial breaks.

Select RESET to have all audio adjustments r eset to the factor y settings.

2. If a slider appears for the featur e, press the right or left ar row to adjust the slider and pr ess OK.

BASS Increases or decr eases the bass.

TREBLE Increases or decreases the treble.

BALANCE Press the right ar row to increase the right volume and the left arrow to increase the left volume.



The LANGUAGE Menu

The language of the on-screen menus is set to English. If you want your TV/VCR's menus to appear in Spanish or French, follow these steps:

- 1. Press MENU on the r emote (the main *MENU* appears).
- 2. Press the up or down ar row button to highlight *LANGUAGE*, and press OK (the *LANGUAGE* menu appears).
- 3. Press the down ar row button on the remote to select *ESPAÑOL* (Spanish) or *FRANCAIS* (French).
- 4. Press OK (the on-scr een menus appear in the language you selected).

Setting Closed-Caption Modes

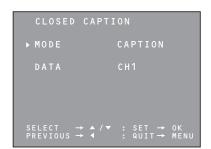
Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. Check your TV/VCR program listings for CC (closed caption) broadcasts.

The TV/VCR will automatically enter the closed caption mode when you press *MUTE* on the remote. Press MUTE again to remove the captions.

MENU TIME VIDEO ADJUST AUDIO ADJUST ► CLOSED CAPTION TIMER RECORDINGS LANGUAGE SETTING V-CHIP BLOCK SELECT A A/V : SET → OK

To set the CLOSED CAPTION Mode:

1. From the main *MENU*, select *CLOSED CAPTION*. Press the up or down ar row buttons to select *MODE* or *DATA*, and press OK.



2. If you select *MODE*, press the up or down ar row to select *CAPTION*, *TEXT*, or *OFF*.

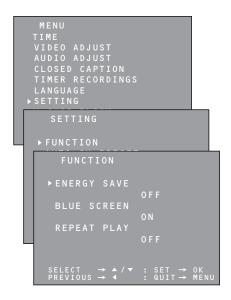
CAPTION Subscripts, dialogues, and commentaries appear while allowing a clear view of the scr een.

TEXT Display on-scr een 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. If no text is being broadcast, the screen may become dark and blank.

- 3. If you select *DATA*, press the up or down ar row to select *CH1* or *CH2*.
- 4. Press MENU to exit.

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FUNCTION ENERGY SAVE OFF BLUE SCREEN ON REPEAT PLAY OFF SELECT → ♠/▼: SET → OK PREVIOUS → ◀: QUIT → MENU



Additional Setup Features

Use the *FUNCTION* menu to set up your TV/VCR for your personal preferences. You can turn energy saving on or off, select a blue screen when there is no signal from a channel or a blank portion of tape is playing, or choose to play a tape repeatedly.

- 1. Press MENU on the r emote (the main *MENU* appears).
- 2. Press the up or down ar row to select SETTING and press OK.
- 3. Press the up or down ar row to select *FUNCTION* and press OK (the following choices appear).
- **ENERGY SAVE** This feature reduces the brightness of the picture, lowering the power consumption of your TV/VCR by approximately 20 per cent. The *ENERGY SAVE* feature is set to *OFF* at the factory.
 - 1. Press the up or down ar row button to select *ENERGY SAVE* and press OK.
 - 2. Press the up or down ar row to select *ENERGY SAVE ON* or *OFF* and press OK.
 - 3. Press MENU to exit the menus.
- **BLUE SCREEN** This feature reduces the noise and mutes sound from channels with no signal and during playback of unrecorded portions of tape. The *BLUE SCREEN* feature is set to *ON* at the factory.
 - 1. Press the up or down ar row to select BLUE SCREEN and press OK.
 - 2. Press the up or down ar row to select *BLUE SCREEN ON* or *OFF* and press OK.
 - 3. Press MENU to exit the menus.
- **REPEAT PLAY** This feature tells the TV/VCR to repeatedly play a tape from the beginning to a blank pore tion on the tape (TAPE BLANK) or the end of the tape (TAPE END). The TV/VCR will automatically rewind the tape and play it from the beginning.
 - 1. Press the up or down ar row to select REPEATPLAY and press OK.
 - 2. Press the up or down ar row to select *TAPE BLANK*, *TAPE END*, or *OFF*, and press OK.
 - 3. Press MENU to exit.

Other Information

Chapter Overview:

- Troubleshooting
- Care and Cleaning
- Front Panel
- Back Panel
- TV/VCR's Video Input Channel
- Limited Warranty
- Accessories
- Index



Other Information

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

- Make sure you press the TV or VCR buttonon the remote control before you press the ON•OFF button.
- 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 42 for remote control solutions.
- 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.

Controls don't work

- If you're using the remote control for TV functions (such as changing channels), press the TV button first to make sure the remote is in TV mode.
- Unplug the TV/VCR for 10 minutes and then plug it back in. Turn the TV on and try again.
- PROGRAM EVENT indicator lit on the front panel of the TV/VCR. Timer recording set. Press TIMER on the remote to turn off the indicator. Remember to press TIMER to reset the timer recording when you are finished.

TV/VCR turns off unexpectedly

- Sleep timer may have been activated. Go to page 35 for instructions.
- TV/VCR turned on with on timer. Automatically turns off after two hours if no other control is used.
- 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

On timer (alarm) may have been activated. Go to page 35 for instructions.

Blank screen

- Try another channel.
- Check video adjustments. Go to page 36 for info about the VIDEO ADJUST menu.
- Make sure the line input isn't selected. Repeatedly press INPUT on the remote to switch between audio/video input jacks and the tuner.
- · Make sure blank portion of tape is not playing.

No sound, picture okay

- Press the VOL UP button to increase the sound.
- Maybe sound is muted. Press the MUTE button to restore sound.

No picture, no sound but TV is on

• The channel might be empty — change channels.

Troubleshooting

Sound okay, picture poor

- Try adjusting sharpness function to improve weak signals. Go to page 36 for instructions.
- The energy save feature might be on. Go to page 13 for more information.

Can't select certain channel

- Channel may be blocked or not approved in the V-CHIP BLOCK menu.
- If using the VCR features, you need to switch the remote to TV mode to change channels (press the TV button).

Clock is wrong

- Power interruption. Need to reset the clock. Go to page 34 for more information.
- Clock was not set accurately (check AM/PM and date). Go to page 34 for more information.

Black box appears on the screen

Closed-captioned text mode might be selected. Check the CLOSED CAPTION menu. Go to page 37 for more instructions.

Closed captions not appearing on screen

- Closed caption might not be turned on. Go to pages 37 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 38 for instructions.

Tape plays automatically

Tape with safety tab removed starts playing automatically.

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 turn it back on before trying to insert or remove tape.

Tape won't play or record

- If you're using the remote control, press VCR to put the remote in VCR mode before you press PLAY or RECORD.
- Make sure a videotape has been inserted.
- Eject and reinsert 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 PLAY on the remote to return the tape to play mode.

Timer counter not working

- 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.

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Other Information

Troubleshooting (continued)

Snow or streaks in picture or no picture during tape playback

- Some snow/ streaks are normal during search, pause, frame advance, and slow-motion playback.
- Check tape- it may be worn out or of poor quality.
- Might need to adjust the tracking. Go to page 31 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

PROGRAM EVENT indicator on front of TV/VCR is flashing

A timer program has been set and you turned off the TV/VCR, but you haven't inserted a tape into the VCR or the tape you inserted
has had its safety tab removed. Go to page 27 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 27 for instructions.
- If the TV/VCR is connected to a cable box or satellite receiver, the cable box or receiver was not turned on and tuned to correct
 channel at time recording was to begin.
- Check to see if the TV/VCR's time and date was set correctly. Go to 34 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

- You have to make sure the remote control is in the right mode if you're using VCR features, you need to press the VCR button on the remote to put it in VCR mode. If you're using TV functions, you need to press the TV button to put the remote in TV mode.
- 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.
- 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.

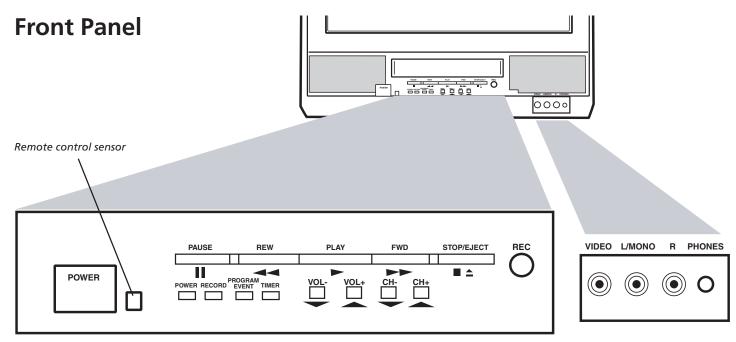
Problems with V-Chip/Parental Controls

The rating limits don't work

• You must turn V-Chip on. Go to the main MENU (press MENU on your remote), select V-CHIP BLOCK, and set STATUS to ON. Go to page 22 for instructions.

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

• If you forget your password, unplug the TV/VCR, simultaneously press and hold VOL up and STOP/EJECT buttons on the front of the TV/VCR while you plug the TV/VCR in. Hold for two seconds and release. This resets the password so you can enter a new one.



The front of Model T20TF668 is illustrated here. The appearance and placement of the buttons and jacks on Model T27TF668 is slightly different.

CH + and – Scans down through the current channel list. Used for manual tracking when a tape is playing.

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

PAUSE (Model T20TF668 only) Press once to pause playback. Press again to advance one frame. Press PLAY to return to playback.

PLAY Press once to begin playback of a tape. Press to resume playback when tape is paused or in slow motion.

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

POWER Button and Indicator Turns the TV/VCR on or off. The POWER indicator lights when the power is on.

PROGRAM EVENT 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.

REC (Record) and RECORD Indicator Press to start TV/VCR recording. The RECORD indicator lights during recording.

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

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

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

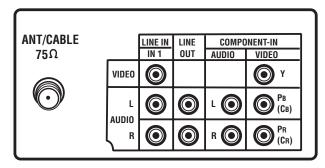
TIMER Indicator Lights when the on or sleep timer has been set.

VIDEO, L/MONO, and R Input Jacks Receives audio and video signals from another component, like a video gaming device or camcorder when the component is connected to these jacks. To select these front panel jacks, press INPUT on the remote until *LINE 2* appears. If source is a monoaural mode connect the audio cable to L/MONO of the LINE 2.

VOL + or – Decreases and increases the volume.

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TV/VCR back panel



This is the back of model T20TF668. If you have model T27TF668, you'll notice the ANT/CABLE jack is on the right side and it has a VIDEO LINE OUT jack.

Back Panel

ANT/CABLE Jack Receives a signal from an antenna or cable system when the TV/VCR is attached with an RF cable.

LINE IN/IN 1 AUDIO (L and R) and VIDEO Jacks Receives signals from another component, such as another VCR or camcorder, when the component is connected to these jacks. To see the content coming from the component connected to these jacks, press the INPUT button on the remote until *LINE 1* appears on the screen.

LINE OUT AUDIO (L and R) Jacks Sends audio signals from the TV/VCR to another component, like a stereo amplifier or speakers when the other component is connected to these jacks.

COMPONENT IN AUDIO (L and R) and VIDEO Y, P_B(C_B), and P_B(C_R) Jacks Receives signals from another component having COMPONENT jacks (like a DVD player) when the component is connected to these jacks. To see the content coming from the component connected to these jacks, press the INPUT button on the remote until *COMPONENT* appears on the screen. (Note: Recording can't be done in the COMPONENT INPUT (video/audio) mode.) If the source is monoaural mode, connect the audio cable to the AUDIO-L jack of the COMPONENT-IN.

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/VCR 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.

RCA TruFlat TV/VCR Combination Limited Warranty

What your warranty covers:

Defects in material or workmanship.

For how long after your purchase:

- One year fr om date of pur chase for labor char ges.
- One year fr om date of pur chase for par ts.
- Two years fr om date of pur chase for pictur e tube.

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 Television Service Center the labor charges to repair your TV/VCR.
- Pay any Authorized RCA Television 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 20" scr een size: Take your RCA TV/VCR to any Authorized RCA T elevision Ser vice Center and pickup when r epairs are complete.
- For screen sizes lar ger than 20": Request home or pick up, r epair and r eturn service from any Authorized RCA Television Service Center, provided that your TV/VCR is located within the geographic ter ritory covered by an Authorized RCAT elevision Service Center. If not, you must take your TV/VCR to the Ser vice Center location at your own expense, or pay for the cost the Ser vice Center may charge to transport your unit to and from your home.
- To identify your near est Authorized RCA Ser vice Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Proof of pur chase in the for m of a bill of sale or r eceipted invoice which is evidence that the pr oduct is within the war ranty period must be pr esented to obtain war ranty ser vice. For rental firms, proof of first r ental is also r equired.

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 r elated adjustments.
- Signal r eception pr oblems not caused by your TV/VCR.
- Damage fr om misuse or neglect.
- Cleaning of audio/video heads.
- Batteries.
- Customer r eplacement fuses.
- Images bur ned onto the scr een.
- A TV/VCR that has been modified or incorporated into other pr purposes.
 oducts or is used for institutional or other commer cial
- Acts of natur e, such as but not limited to lightning damage.
- A TV/VCR purchased or ser viced outside the U.S.A.

Product registration:

• Please complete and mail the Pr oduct Registration Car d packed with your TV/VCR. It will make it easier to contact you should it ever be necessar y. The return of the car d is not required for war ranty coverage.

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Other Information

Limitation of Warranty:

- THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.
- REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

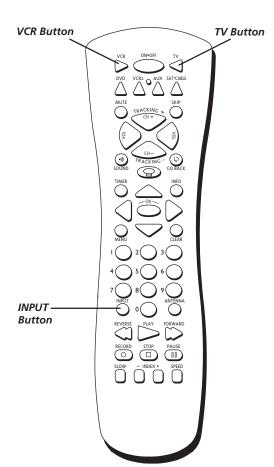
How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how
 long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product 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.



Finding the TV/VCR's Video Line Input Channel

You need to tune your TV/VCR to the video line input channel if you're using the Audio/Video (A/V) IN jacks to connect to the other components (such as a cable box, another VCR, or satellite receiver).

You must select the TV/VCR's video line input channel before you can see the video and hear the audio from another component you have connected to these jacks.

To access the video line input:

- Press the TV or VCR button on the TV/VCR's remote.
- Press INPUT to select *LINE 1* to record from the LINE IN/IN1 input jacks on the back of the TV/VCR.
- Press INPUT again to select LINE 2 to record from the VIDEO, L/MONO, and R input jacks on the fr ont of the TV/VCR.
- Press INPUT a thir d time to select COMPONENT to record from the COMPONENT-IN input jacks on the back of the TV/VCR.

Accessories



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.



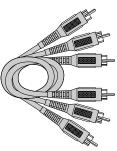
VH89 (6-ft)

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 left and right audio jacks of stereo components.

Accessory Order Form

Description Screw-on antenna cable (3-ft)	Part No. VH81	Price \$3.95	Qty	
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		
Antenna Mixer (not shown)	193984	\$11.15		
Remote Control (CRK76TTL1)	253728	\$49.95		
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.		



All accessories are subject to availability.

Where applicable, we will ship a superseding model.

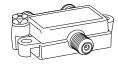
Please complete other side also

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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
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Print or type your name and 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.

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2-way Signal Splitter

Helps you connect a second TV

Splitter VH47



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 tollfree 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**

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-		
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