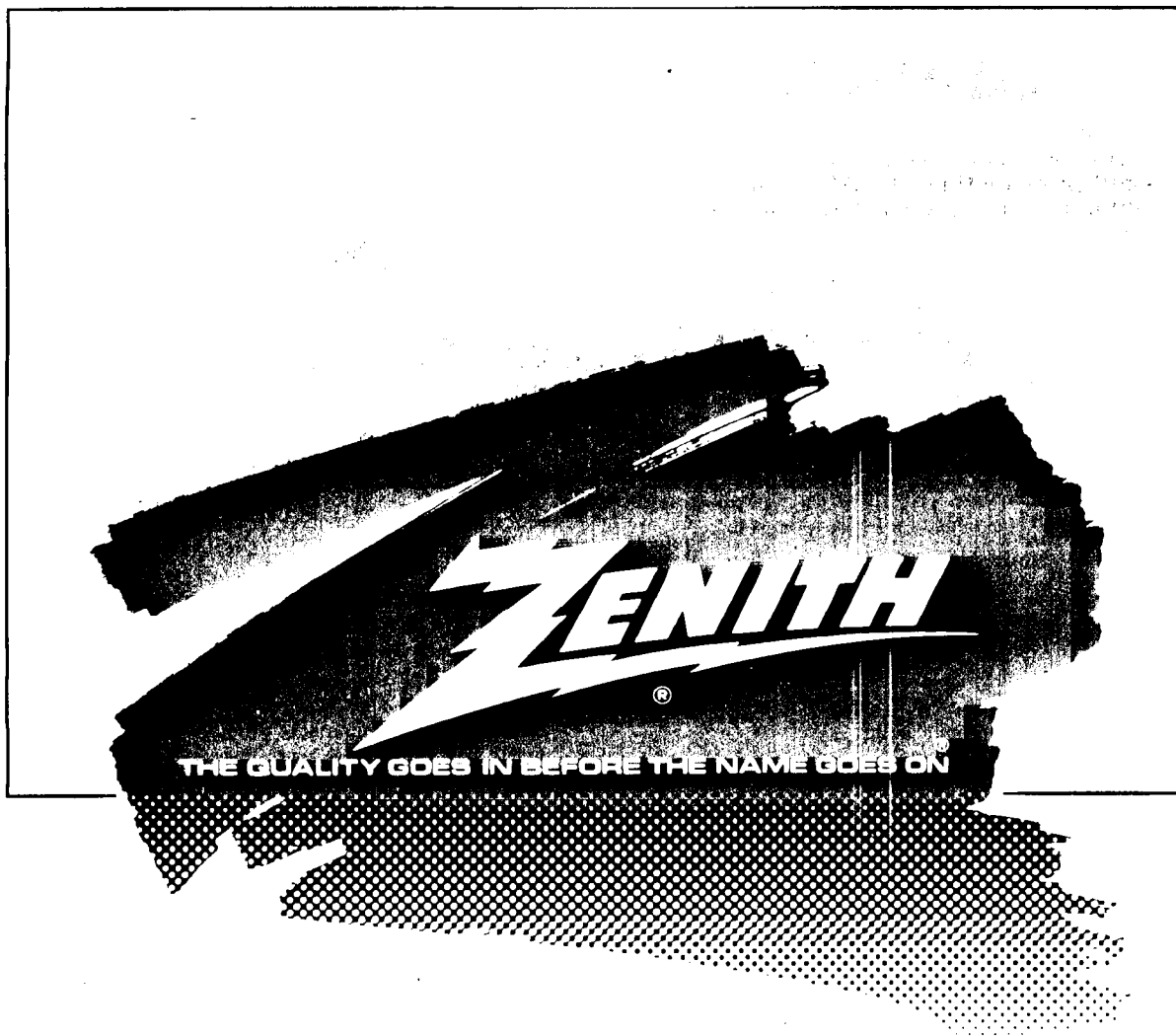


**Operating Guide
& Warranty**

551000029



13" Color TV/VCR Combination

SRV1320S

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE 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 THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.



THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

The caution marking is located on the rear of the cabinet.

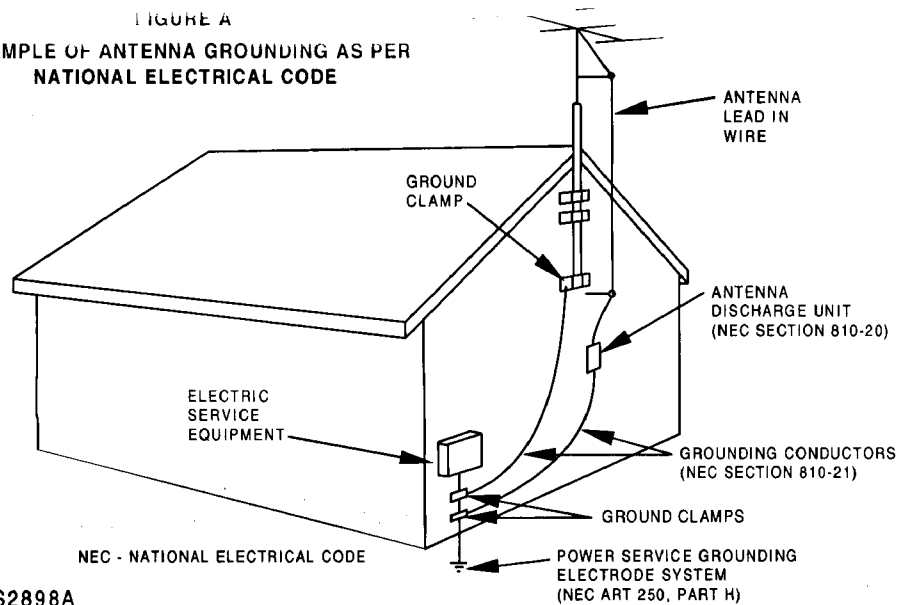
IMPORTANT SAFEGUARDS

- 1. Read instructions**-All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions**-The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings**-All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow Instructions**-All operating and use instructions should be followed.
- 5. Cleaning**-Unplug TV/VCR from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.
- 6. Attachments**-Do not use attachments not recommended by the TV/VCR manufacturer as they may cause hazards.
- 7. Water and Moisture**-Do not use this TV/VCR near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- 8. Accessories**-Do not place this TV/VCR on an unstable cart, stand, tripod, bracket, or table. The TV/VCR may fall, causing serious injury to someone, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the TV/VCR. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care.
- 9. Ventilation**-Slots and openings in the cabinet and the back or bottom are provided for ventilation and to ensure reliable operation of the TV/VCR and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the TV/VCR on a bed, sofa, rug, or other similar surface. This TV/VCR should never be placed near or over a radiator or heat register. This TV/VCR should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 10. Power Sources**-This TV/VCR should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For TV/VCRs intended to operate from battery power, or other sources, refer to the operating instructions.
- 11. Grounding or Polarization**-This TV/VCR is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 12. Power-Cord Protection**-Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

PORTABLE CART WARNING



FIGURE A
EXAMPLE OF ANTENNA GROUNDING AS PER
NATIONAL ELECTRICAL CODE



- 13. Outdoor Antenna grounding-**If an outside antenna or cable system is connected to the TV/VCR, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)
- 14. Lightning-**For added protection for this TV/VCR receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV/VCR due to lightning and power-line surges.
- 15. Power Lines-**An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 16. Overloading-**Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- 17. Object and Liquid Entry-**Never push objects of any kind into this TV/VCR through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the TV/VCR.
- 18. Servicing-**Do not attempt to service this TV/VCR yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 19. Damage Requiring Service-**Unplug this TV/VCR from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- When the power-supply cord or plug is damaged or frayed.
 - If liquid has been spilled, or objects have fallen into the TV/VCR.
 - If the TV/VCR has been exposed to rain or water.
 - If the TV/VCR does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV/VCR to its normal operation.
 - If the TV/VCR has been dropped or damaged in any way.
 - When the TV/VCR exhibits a distinct change in performance-this indicates a need for service.
- 20. Replacement Parts-**When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.
- 21. Safety Check-**Upon completion of any service or repairs to this TV/VCR, ask the service technician to perform routine safety checks to determine that the TV/VCR is in proper operating condition.
- 22. Heat-**This TV/VCR product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

PRECAUTIONS

LOCATION

For safe operation and satisfactory performance of your unit, keep the following in mind when selecting a place for its installation:

- Shield it from direct sunlight and keep it away from sources of intense heat.
- Avoid dusty or humid places.
- Avoid places with insufficient ventilation for proper heat dissipation. Do not block the ventilation holes at the top and bottom of the unit. Do not place the unit on a carpet because this will block the ventilation holes.
- Install unit in a horizontal position.
- Avoid locations subject to strong vibration.
- Do not place the unit near strong magnetic fields.
- Do not move the unit from a cold to a hot place or vice versa.

AVOIDING THE HAZARDS OF ELECTRICAL SHOCK AND FIRE

- Do not handle the power cord with wet hands.
- Do not pull on the power cord when disconnecting it from an AC wall outlet. Grasp it by the plug.
- If, by accident, water is spilled on your unit, unplug the power cord immediately and take the unit to an authorized Sears service center for servicing.
- Do not put your fingers or objects into the TV/VCR cassette holder.
- Do not place anything directly on top of the unit.

WARNING

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. If a tape is played in a TV/VCR which has moisture, it may damage the tape and TV/VCR. Therefore when the condensation occurs inside the unit turn the POWER button on and allow at least 2 hours for the unit to dry out.

FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

IMPORTANT COPYRIGHT INFORMATION

Unauthorized recording or use of broadcast television programming, video tape, film or other copyrighted material may violate applicable copyright laws. We assume no responsibility for the unauthorized duplication, use, or other acts which infringe upon the rights of copyright owners.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

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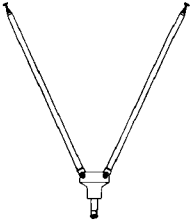
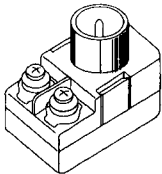
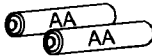
The serial number of this product is on the back of the unit. Each serial number is unique. You should record this number and other vital information in this book and keep as a permanent record of your purchase in the event of theft to aid in its identification.

Date of Purchase	
Dealer Purchase from	
Dealer Address	
Dealer Phone No.	
Model No.	
Serial No.	

FEATURES

- **Infrared remote control**
- **Bilingual on-screen menu display selectable in English or Spanish**
- **Real time counter**—This shows the elapsed recording or playback time in hours, minutes, and seconds. The "—" indicates that the tape is rewound further than "0:00:00" on the tape counter.
- **181 channel capability PLL frequency synthesizer tuner with direct station call**— (A converter may be necessary to view scrambled cable channels.)
- **Auto clock setting**— Allows you to use the clock function from the PBS broadcast.
- **Closed caption system**— You may view specially labeled (cc) TV programs, movies, news, prerecorded tapes, etc. with either a dialogue caption or text display added to the program.
- **Game mode**— Allows TV/VCR display to be suitable for use with TV games.
- **Auto power on system**— (when a tape is inserted)
- **Auto rewind when the end of a tape is reached**— (not in the case of timer recording).
- **2 Step picture search operation**— You can view a video program at a high speed or super high speed in either a forward or reverse direction in either LP or SLP mode.
- **Still**—"Freeze" the picture at any time for close viewing of a particular scene. Only tapes recorded in the SLP mode will show a fairly clear picture.
- **Digital Auto Tracking (DTR)**—Adjusts the tracking automatically for each tape you play.
- **Rental play mode**— Improves playback picture quality of worn tapes, such as rental tapes.
- **Auto repeat**—Allows you to repeat a tape indefinitely without pressing the PLAY button.
- **Time search**— Allows you to set the TV/VCR to advance the tape by entering the desired playback time you want to skip.
- **Three different tape speeds : SP/LP/SLP**
- **OTR (One Touch Recording)**—Instant timed recording from 30 to 480 minutes is possible at the push of the REC/OTR button.
- **1 Year, 8 events (including Daily and Weekly Timer Recording)**—The built-in timer allows you to record up to 8 programs at different times on different channels up to 1 year in advance. The Daily timer allows recordings to be made of daily broadcasts. The Weekly timer allows recording to be made once a week until to the end of the tape is reached.
- **Auto return**—After finished timer recording, the beginning of the recorded program(s) can be searched.
- **Sleep timer**—Allows you to have the TV/VCR automatically turn off at a desired time.
- **Alarm timer**—Allows you to have the TV/VCR automatically turn on at a desired time.

SUPPLIED ACCESSORIES

<p>Remote Control Unit</p>  <p>PART NUMBER (UREMT32SR018)</p>	<p>Dipole Antenna</p>  <p>PART NUMBER (OEMN00723)</p>	<p>Matching Adapter</p>  <p>PART NUMBER (1813641, 1780103, 1780258)</p>	<p>2 AA Batteries</p> 
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If you need to replace these accessories, please refer to the **PART NUMBER** located under each illustration and contact the Sears Parts Department to order.

VIDEO CASSETTE

This TV/VCR will operate with any cassette that has the VHS mark. For best results, we recommend the use of high-quality tapes. *Please do NOT use poor quality or damaged tapes.*

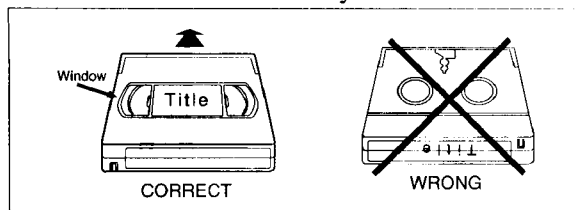
PRECAUTIONS

- Avoid moisture. Moisture condensation may occur on the tape if it is moved from a cold place to a warm place. When using a tape under these conditions, wait until the tape has warmed to room temperature and the moisture has evaporated to avoid a damage to the tape and your TV/VCR.
- Avoid exposure to extreme heat, high humidity, and magnetic fields.
- Do not tamper with the cassette mechanism.
- Do not touch the tape with your fingers.

INSERTING A CASSETTE

Insert the cassette in the direction as shown. Gently push on the back center portion of the cassette continuously until it is drawn into the TV/VCR.

The TV/VCR will automatically turn on.



THREE DIFFERENT TAPE SPEEDS

Select the desired tape speed format before recording:

SP Mode:Standard Play

LP Mode:Long Play

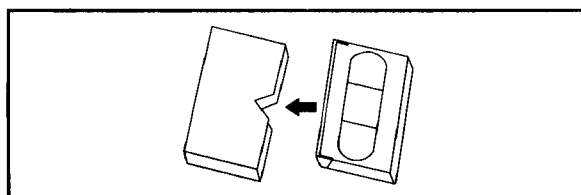
SLP Mode:Super Long Play

The table below shows the maximum recording/playback time when using a T60, T120, or T160 tape in each mode.

Tape Speed	Recording/Playback Time			
	Type of tape	T60	T120	T160
SP mode		1 hour	2 hours	2-2/3 hours
LP mode		2 hours	4 hours	5-1/3 hours
SLP mode		3 hours	6 hours	8 hours

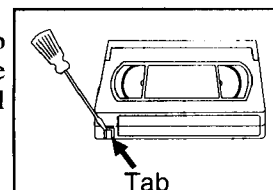
REMOVING A CASSETTE

- 1) In the Stop mode, press EJECT button on the remote control or press STOP/EJECT button on the TV/VCR. The TV/VCR will eject the tape.
- 2) Pull the cassette out of the cassette compartment and store in its case as shown.

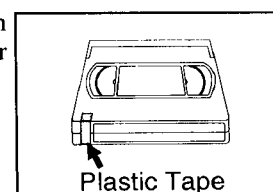


ERASE PREVENTION

Breaking off the plastic tab from the back edge of the cassette prevents accidental erasure of your recording.

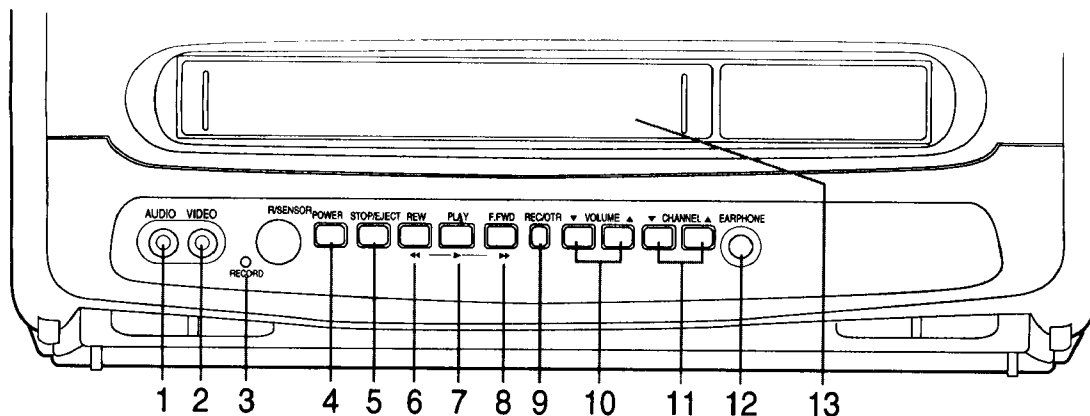


If you decide to record on the tape again, simply cover the hole with tape.

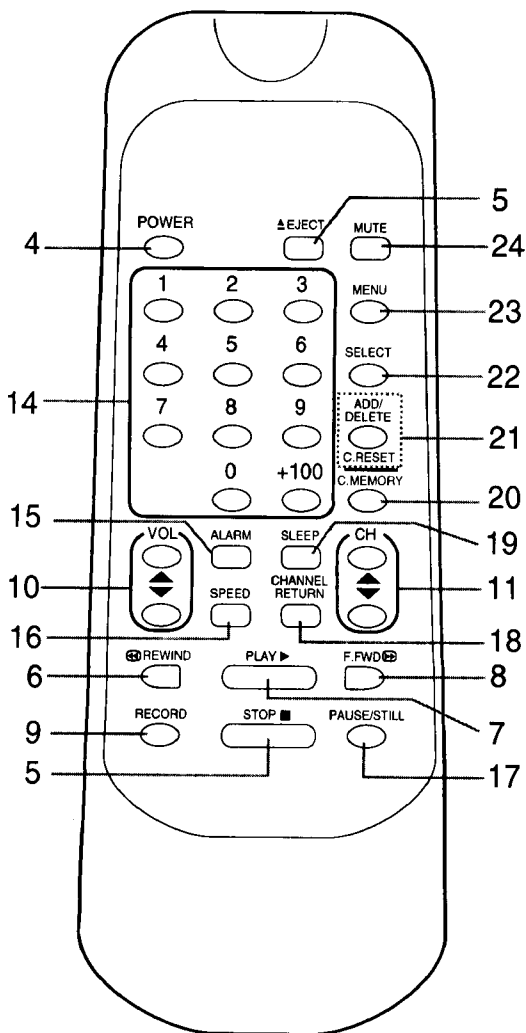


OPERATING CONTROLS AND FUNCTIONS

- FRONT VIEW -

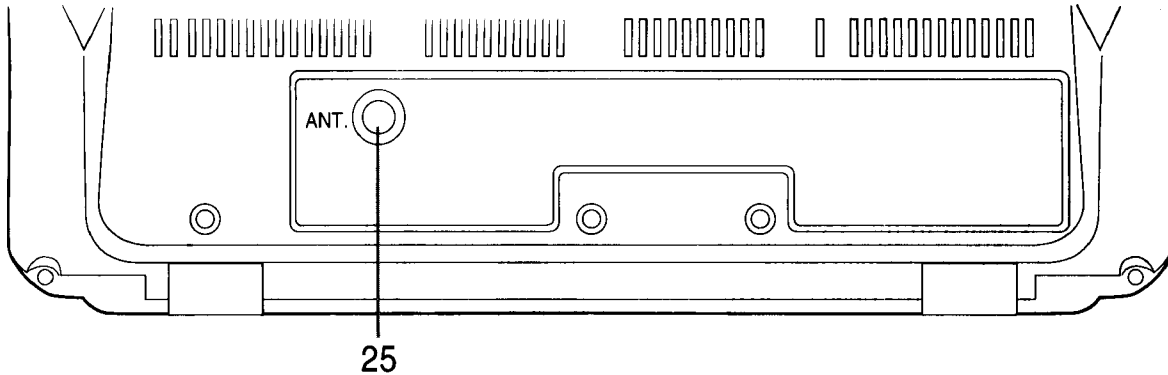


- REMOTE CONTROL VIEW -



- 1 AUDIO input jack**– Connects audio output jack of your audio equipment or another VCR to the unit.
- 2 VIDEO input jack**– Connects video output jack of your video camera or another VCR to the unit.
- 3 RECORD indicator**– Flashes during recording. Lights up in the Stand-by mode for Timer Recording.
- 4 POWER button**– Turns TV/VCR on and off. Press to activate the Automatic Timer Recording mode.
- 5 STOP button** Stops the tape.
EJECT button– Press while in the STOP mode to remove a tape from the TV/VCR.
- 6 REWIND button**– Rewinds the tape. Press during the PLAY mode to view the picture rapidly in reverse.
- 7 PLAY button**– Begins playback of a recording.
- 8 F.FWD button**– Rapidly advances the tape. Press during the PLAY mode to view the picture rapidly in forward.
- 9 REC button**– Begins manual recording.
OTR button– Activates the One Touch Recording. (located only on the TV/VCR unit)
- 10 VOLUME ▲/▼ buttons**– Adjusts the volume level.
- 11 CHANNEL ▲/▼ buttons**– Selects the channel for viewing or recording.
PICTURE CONTROL function–Adjusts the picture control. This function is available only from the remote control. (See page 17)
TRACKING +/- function– Minimizes video ‘noise’ (lines or dots on the screen) during the Play mode. (See page 19)

- REAR VIEW -



- 12 EARPHONE jack**– Connects earphones (not supplied) for personal listening. The size of jack is 1/8" monaural (3.5mm).
- 13 Cassette compartment**
- 14 NUMBER buttons**– Selects desired channels for viewing or recording. To select channels 1 to 9, press the 0 and the desired channel.
+100 button– Selects 100+ cable channels. To select channel 125, first press the "+100" button and then press "2" and "5".
- 15 ALARM button**– Sets the time to have the TV/VCR automatically turn on. (See page 27)
- 16 SPEED button**– Sets desired recording speed. (SP/LP/SLP)
- 17 PAUSE/STILL button**– Used to temporarily stop the tape during the recording or to view a still picture during playback.
- 18 CHANNEL RETURN button**–Toggles between the current channel and the previously viewed channel.
- 19 SLEEP button**– Sets the Sleep Timer. (See page 27)
- 20 C.MEMORY button**– Turns counter memory on and off. (See page 21)
- 21 ADD/DELETE button**– Deletes or adds channel numbers in the Channel Set Up mode (See page 12). Press to cancel a setting program (such as setting clock or timer program) (See page 25)
NOTE: These functions are operative only during the ON-SCREEN menu mode.
- C.RESET button**– Resets counter to 0:00:00.
- 22 SELECT button**– When setting program (for example: setting clock or timer program), press to determine your selection and to proceed to the next choice.
DISPLAY function– Displays on the TV screen either the counter or the current channel number and current time. (See page 16)
- 23 MENU button**– Displays main menu on the TV screen.
- 24 MUTE button**– Mutes the sound. Press it again to resume sound.
- 25 ANT. terminal**– Connects to an antenna or CATV.

PREPARATION FOR USE

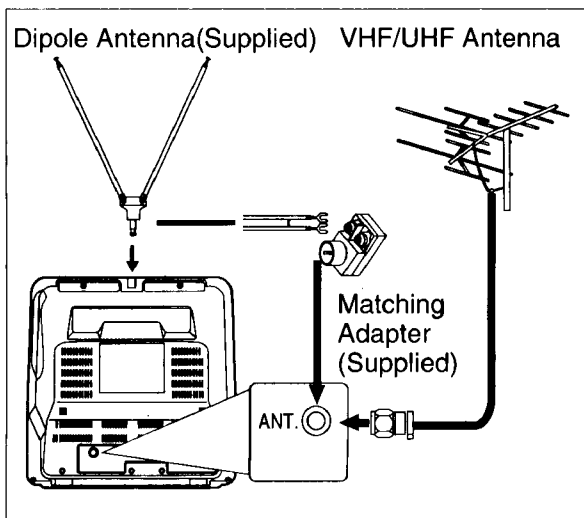
CABLE CONNECTIONS

VHF/UHF COMBINED ANTENNA

The VHF/UHF Rod Antenna (supplied) is detachable. Insert the stem of the antenna into the hole on the upper-back portion of the TV/VCR.

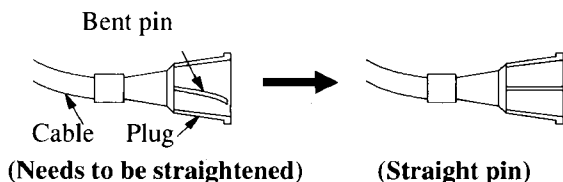
Connect the VHF/UHF Rod Antenna or VHF/UHF Combination Antenna to the ANT. terminal of the TV/VCR as shown in the diagram below.

For the best reception, fully extend the VHF/UHF Rod Antenna and make the necessary adjustments. (Avoid touching the top section when adjusting.)



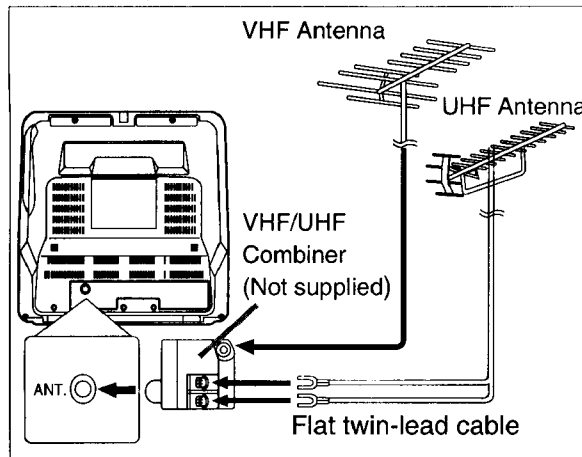
NOTE :

Before plugging the Rod antenna into antenna terminal, check that the pin is not bent. If it is bent, straighten the pin first before plugging the cable into antenna terminal.



VHF/UHF SEPARATE ANTENNAS

It is necessary in some area to use an outdoor antenna.

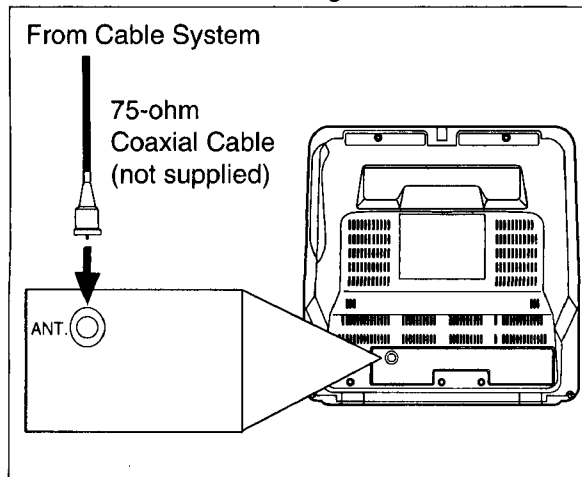


CABLE WITHOUT CONVERTER/ DE-SCRAMBLER BOX

Use this connection if your cable system connects directly to your TV/VCR without a converter box.

By using this connection you can:

- 1) Use the TV/VCR remote to select channels
- 2) Program one or more unscrambled channels for Automatic Timer Recording.



Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

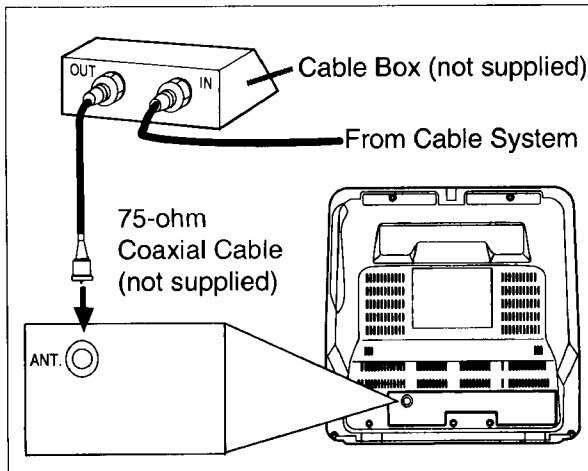
CABLE WITH CONVERTER/DE-SCRAMBLER BOX

If your cable service supplies you with a converter box, you can use the basic connection shown below.

By using this connection you can record and view any channel including scrambled channels. However, channel selection must be made using the converter box. This means that channels cannot be changed using the TV/VCR Remote Control. Unattended recording is limited to one channel at a time.

TO RECORD A SCRAMBLED/UNSCRAMBLED CHANNEL

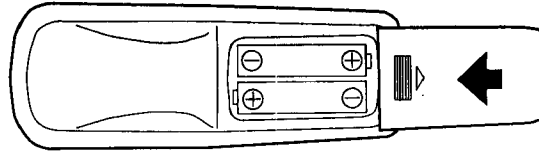
1. Set the TV/VCR channel selector to the output channel for the Cable Converter Box. (Ex. CH3)
2. Select which channel to record from your Cable Converter Box.



NOTE: When using a cable converter box, you cannot record one channel and view another.

INSTALLING THE BATTERIES

- 1) Open the battery compartment cover by pressing the cover on the remote unit in the direction of the arrow.
- 2) Insert 2 "AA" penlight batteries into the battery compartment in the direction indicated by the polarity (+/-) markings and replace the cover.



EXTERNAL INPUT MODE

When using an external input signal (another VCR or camcorder), connect the player's audio/video output cables to the AUDIO IN, VIDEO IN jacks on your TV/VCR. Then, press CHANNEL ▲ or ▼ button or enter "00" so that "AUX" screen appears.



PRESET FOR USE

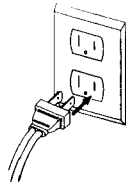
When first using the TV/VCR, you may want to select language (English or Español=Spanish) and preset the tuner to show only the channels you receive in your area. **You must use the remote control for the following steps.**

NOTE: Channel memory programming is not needed when using a converter/de-scrambler box.

PRESET FOR THE FIRST TIME

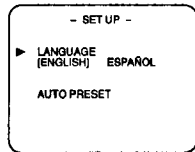
1 Plug the TV/VCR power cord into a standard AC outlet.

2 Turn on the TV/VCR



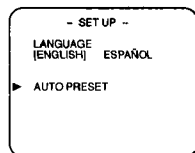
3 Select "ENGLISH" or "ESPAÑOL"

Select by using the CH ▲ or ▼ button. "[]" indicate the selected language.



4 Begin auto preset

Press MENU button to move to "AUTO PRESET" and press SELECT button.



The tuner scans and memorizes all the active channels in your area.

NOTES:

- The TV/VCR distinguishes between standard TV channels and CATV automatically.
- If you want to play or record a video tape **BEFORE** presetting the tuner, you must press MENU button. To preset the tuner again, see "AUTO PRESET AGAIN".

5 After scanning

The tuner stops at the lowest memorized channel. (TV mode: from CH 02/ CATV mode: from CH 01)

Should you want to recall the selected channels, you can select the desired channel by using the remote control number buttons or CH ▲ or ▼.

TO RETURN TO TV MODE WHEN SCANNING

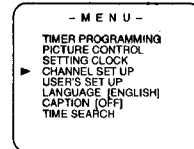
Press MENU button in scanning mode.

DELETING (OR ADDING) PRESET CHANNELS

Channels that you no longer receive or seldom watch can be deleted from the memory. (Of course, you can add the deleted channels to the memory again.)

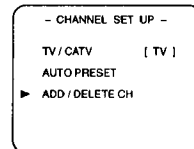
1 Select "CHANNEL SET UP"

Press MENU button to move to "CHANNEL SET UP" and press SELECT button.



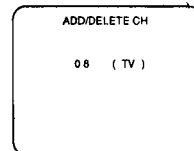
2 Select "ADD/DELETE CH"

Press MENU button to move to "ADD/DELETE CH" and press SELECT button.



3 Enter the desired channel number

Press CH ▲ or ▼ button until the desired channel number appears. You can also use the number buttons to enter it.



4 Delete (or add) it from (into) memory

Press ADD/DELETE button. The channel number changes to light red. The channel is deleted from memory.

- To delete another channel, repeat steps [3] and [4].
- If you press the ADD/DELETE button again, the channel is added to memory again.

Added channel : Light blue.
Deleted channel : Light red.

5 Exit the channel setup mode

Press MENU button to return to TV mode.

NOTE: If you wish to confirm that channel(s) has been deleted or added, press CH ▲ or ▼ button.

AUTO PRESET AGAIN

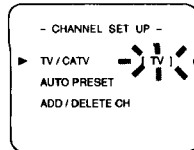
1 Select "CHANNEL SET UP"

Press MENU button to move to "CHANNEL SET UP" and press SELECT button.



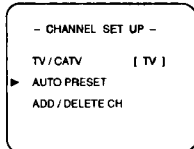
2 Select "TV" or "CATV"

Select [TV] or [CATV] by using CH ▲ or ▼ button.



3 Begin auto preset

Press MENU button to move to "AUTO PRESET" and press SELECT button.



The tuner scans and memorizes all the active channels in your area.

4 After scanning

The tuner stops at the lowest memorized channel.
(TV mode: from CH02 / CATV mode: from CH01)

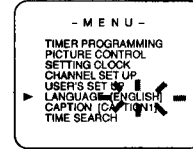
SELECTING DESIRED LANGUAGE

1 Select "LANGUAGE"

Press MENU button to move to "LANGUAGE".

2 Select "ENGLISH" or "ESPAÑOL"

Select "ENGLISH" or "ESPAÑOL = Spanish" using CH ▲ or ▼ button.



3 Exit the Language mode

Press MENU button until the TV/VCR returns to the TV mode.

SETTING THE CLOCK (AUTO / MANUAL)

Set the clock accurately for proper automatic timer recording. If the Public Broadcasting Station (PBS) is available in your area, follow "AUTO CLOCK SETTING". If it is not, follow "MANUAL CLOCK SETTING".

AUTO CLOCK SETTING

You can have the TV/VCR set the clock automatically by using the Public Broadcasting Station (PBS) channel in your area. Once you have set the clock by using the following procedure, the TV/VCR will automatically monitor the correct time and date being broadcast by the PBS station in your area, using a new service called Extended Data Service (EDS).

Make sure ...

- Turn on the TV/VCR.
- Confirm that the antenna connections are correct.
- The cable converter box must be turned on if your TV/VCR is connected directly to it. (See NOTES)
- You must use the remote control for the following steps.

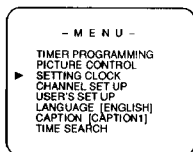
NOTES:

- Auto clock setting only needs to be set once, but can be done again if the clock's time has become incorrect for some reason.
- If the TV/VCR is connected directly to a cable converter box, the local PBS station must be selected on the cable box itself, and the TV/VCR must be set to the output channel of the cable converter box (usually channel 3 or 4), to be able to set up and automatically correct the clock.

The TV/VCR cannot control the channels of the cable converter box.

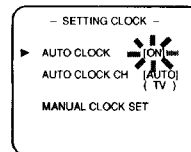
1 Select "SETTING CLOCK"

Press MENU button to move to "SETTING CLOCK" and press SELECT button.



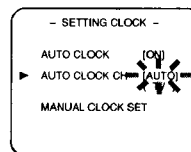
2 Set "AUTO CLOCK" to [ON]

Press CH ▲ or ▼ button until [ON] appears.



3 Enter the channel number for the PBS station
Press MENU button and use the CH ▲ or ▼ button until the channel number for your local PBS station appears.

If you do not know the PBS channel number, leave it set to [AUTO]. The TV/VCR will search automatically all available channels for the local PBS station, and will select that channel.



4 Exit the Auto Clock Setting

Press MENU button until the TV/VCR return to the TV mode.

5 Turn off the TV/VCR

Press POWER button to turn off the TV/VCR for searching the local PBS station. **The power must remain off during this search.**

If you enter the channel number manually,

- it may take for about a few minutes for this search to be completed.

If you choose [AUTO],

- the TV/VCR must search through all the available channels. It must scan each channel for a couple of minutes to determine if that channel is transmitting the EDS signal, because the PBS station will send this signal only once every minute. This search could take up to 2 hours. You may want to start this channel search at night when the unit is not in use.
- if the time that is automatically set by this selected PBS station is incorrect, it may not be your local PBS station, but one from a different time zone. Or there is a case that no channel is broadcasting the EDS signal in your area, as shown by no time being set even after an overnight search. In these cases, you must manually enter the correct local PBS station, or set the clock manually, turning off the Auto Clock Setting feature.

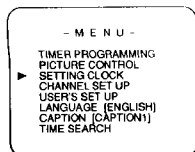
MANUAL CLOCK SETTING

Make sure ...

- The remote control needs to be used.
- Power must be turned on.

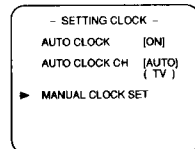
1 Select "SETTING CLOCK"

Press MENU button to move to "SETTING CLOCK" and press SELECT button.



2 Select "MANUAL CLOCK SET"

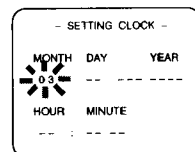
Press MENU button to move to "MANUAL CLOCK SET" and press SELECT button.



3 Select the month

Press CH ▲ or ▼ button until your desired month appears and press SELECT button.

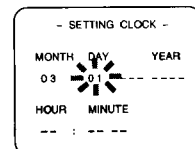
EXAMPLE: 03 = March



4 Select the day

Press CH ▲ or ▼ button until your desired day appears and press SELECT button.

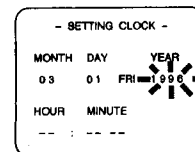
EXAMPLE: 01 = 1st



5 Select the year

Press CH ▲ or ▼ button until your desired year appears and press SELECT button.

EXAMPLE: 1996



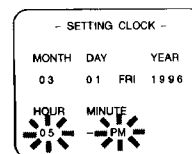
In the example below, the clock will be set to:

March 1st, 1996 at 5:40PM

6 Select the hour

Press CH ▲ or ▼ button until your desired hour appears and press SELECT button.

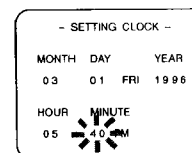
EXAMPLE: 5PM



7 Select the minute

Press CH ▲ or ▼ button until the desired minute appears.

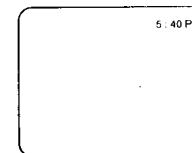
EXAMPLE: 40



8 Start the clock

Press MENU or SELECT button.

Although seconds are not displayed, they begin counting from 00 when you press MENU or SELECT button. Use this feature to synchronize the clock with the correct time.



- This unit has a built-in calendar up to the year 2010.

TO CHANGE CLOCK SETTING

- 1) Follow steps [1] and [3].
- 2) Select where you want to change using SELECT button or ADD/DELETE button.
- 3) Enter correct numbers using CH ▲ or ▼ button.
- 4) Press MENU or SELECT button to start the clock.

HINT!

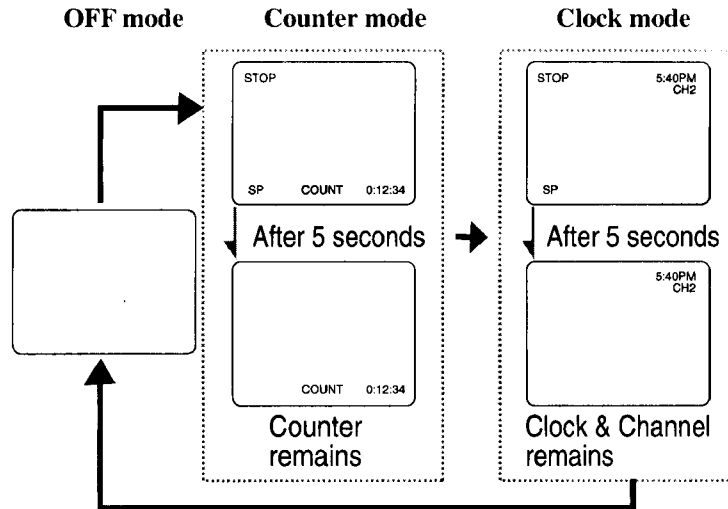
If there is no local PBS station in your area or on your cable system, in step 2 above, select "AUTO CLOCK" and press CH ▲ or ▼ button to show [OFF], then manually adjust clock.

ON-SCREEN DISPLAY

To check the Counter, Clock and Channel number on the TV screen, press SELECT button on the remote control. Each time you press SELECT button on the remote control, the TV screen will change as follows:

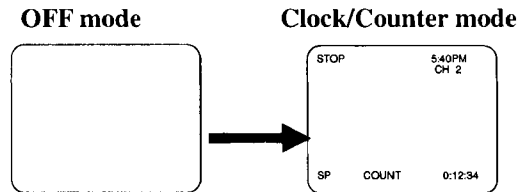
When the Closed Caption mode is OFF:

- Counter mode: After 5 seconds, only the counter remains. To clear it, press SELECT button.
- Clock mode: After 5 seconds, only the clock and the channel number remain. To clear them, press SELECT button.



When the Closed Caption mode is ON:

- The On-Screen Display disappears after 5 seconds.
- This is true even if MUTE button is pressed, or PAUSE/STILL button is pressed while recording.



SPECIAL FEATURES

DEGAUSSING

Magnetism from nearby appliances might affect the color of the TV picture.

If this happens, move this unit away from the appliance. If the color is still not correct, disconnect power cord from AC outlet and reconnect it after 30 minutes.

AUTO REWIND-EJECT

- When the end of a tape is reached during recording, playback, or fast-forward, the tape will automatically rewind to the beginning, eject tape, and turn off.
- This function is operative when Auto Repeat is set to the [OFF] position.
- The tape will not auto-rewind during timer recording or One Touch Recording.
- When the tape is rewound to the preset memory position of the Counter Memory during Auto Rewind, the tape will not eject and TV/VCR will not turn off.

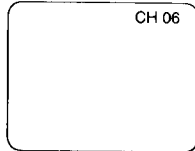
TV OPERATION

WATCHING A TV PROGRAM

1 Turn on the TV/VCR

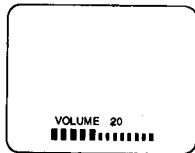
2 Select the channel number

Press CH ▲ or ▼ button to select your desired channel number.



3 Adjust sound

Press VOLUME ▲ or ▼ button to adjust the volume.



GAME MODE

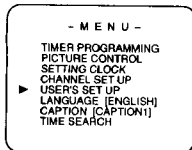
This function enables you to adjust the TV screen making it suitable to use for a TV GAME.

Make sure ...

You must use the remote control unit for the following steps:

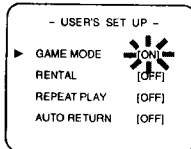
1 Select "USER'S SET UP"

Press MENU button to move to "USER'S SET UP" and press SELECT button.



2 Set "GAME MODE" to [ON]

Press CH ▲ or ▼ button until [ON] appears.



3 Exit the Game mode

Press MENU button until the TV/VCR returns to the TV mode.

TO CANCEL THE GAME MODE

Repeat step [1] and [2], selecting [OFF]. Press MENU button to return to TV mode.

PICTURE CONTROL

The TV/VCR's picture controls – **BRIGHT**, **CONTRAST**, **COLOR**, **TINT** and **SHARPNESS** – are preset to factory specifications. Although they are usually the best, you may need to make some further adjustments for a natural looking image.

NOTES:

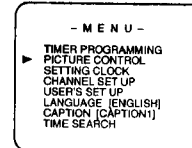
- Procedures must be followed within 5 seconds or the Picture Control mode will be cancelled.
- When setting the Picture Control, the Game mode will automatically set to [OFF].

Make sure ...

- Use the remote control unit for the following steps:

1 Select "PICTURE CONTROL"

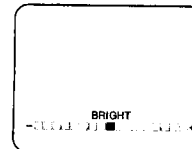
Press MENU button to move to "PICTURE CONTROL" and press SELECT button.



2 Select the item you want to adjust

Press SELECT button until the desired control is displayed. Each will appear in sequence on the TV screen.

BRIGHT
CONTRAST
COLOR
TINT
SHARPNESS



3 Adjust the picture control

Press CH ▲ or ▼ button to adjust to your desired level.

	CH ▼	CH ▲
BRIGHT	to decrease brightness	to increase brightness
CONTRAST	to decrease contrast	to increase contrast
COLOR	to pale	to brilliant
TINT	to purple	to green
SHARPNESS	to soft	to clear

CLOSED CAPTION SYSTEM

You can view specially labeled (cc) TV programs, movies, news and pre-recorded tapes with either a dialogue caption or text display.

CAPTION mode: By choosing the caption mode, you can watch dramas, movies and news, while captioning the dialogues and the contents of news.

TEXT mode: By choosing the text mode, you can watch full screen text information.

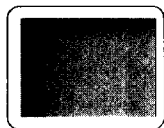
1/2: You may get these captions or text information by selecting either "1" or "2". "2" is used usually for a second language if available.

NOTE:

Not all programs are broadcast with closed captions. Your television is designed to provide error free closed captions from high quality antenna, cable and VCR signals. Conversely, poor quality signals are likely to result in caption errors or no captions at all. Common signal conditions which may cause captions errors are listed below:

- Automobile ignition noise.
- Electric motor brush noise.
- Weak snowy reception on TV Screen.
- Multiplex signal reception displaying picture ghosts or airplane flutter.
- Playback of poorly recorded or worn VCR tapes.

If the TV/VCR displays a black box on the TV screen, this means that the TV/VCR is set to the TEXT mode. To clear screen, select [CAPTION1], [CAPTION2] or [OFF].

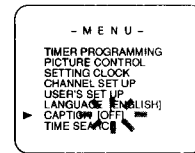


Make sure ...

- Use the remote control unit for the following steps.
- Power must be turned on.

1 Select "CAPTION"

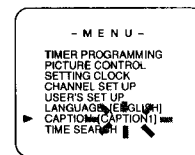
Press MENU button to move to "CAPTION".



2 Select your desired caption menu

Press CH ▲ or ▼ button until your desired caption menu appears.

([CAPTION1], [CAPTION2], [TEXT1] or [TEXT2])



3 Exit the caption setting mode

Press MENU button until the TV/VCR returns to the TV mode.

TO CANCEL THE CLOSED CAPTION SYSTEM

Repeat steps [1] and [2], selecting [OFF] using CH ▲ or ▼ button.

WHEN THE CLOSED CAPTION MODE IS ON

The On Screen Display will disappear after 5 seconds.

- This is true when the MUTE button is pressed and when PAUSE/STILL button is pressed while recording.

NORMAL PLAYBACK

Make sure ...

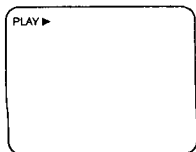
- Power is turned on.

1 Insert a pre-recorded tape

If the erase-protection tab has been removed, the TV/VCR will start playback automatically.

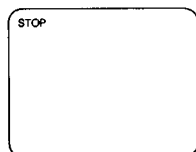
2

Press PLAY button.



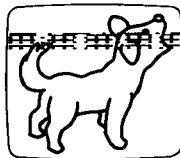
3

Press STOP button when playback is completed.



TRACKING ADJUSTMENT

- Tracking adjustment will be set automatically (Digital Auto Tracking function) (ATR) when you start playback.
- When playing pre-recorded tapes or tapes recorded on units other than your own, noise lines (black and white streaks) may appear on the screen. If this occurs, adjust the tracking control by pressing CH ▲ or ▼ button until the streaks disappear. To return to the ATR function, stop the tape once and start playback again.



PICTURE SEARCH

This feature is useful in finding or skipping over a particular scene on a tape. In this mode, the sound is muted.

- 1) While in the PLAY mode, you can view a video tape at a high speed in either a forward or reverse direction by pressing F.FWD or REW button. (available in SP / LP / SLP modes)
- 2) Depress it again, the TV/VCR will now search in super high speed. (available in LP / SLP modes)

NOTE: Tapes recorded in the SP or LP mode will display a noise bar on the TV screen and the picture may revert to Black and White. This is normal.

- 3) For normal speed, simply press PLAY button.

STILL PICTURE

You can view a still picture on the screen during playback (the STILL mode). Press PAUSE/STILL button during playback. Only tapes recorded in the SLP mode will show the least amount of lines.

Press PLAY button to return to playback.

NOTES:

- Usually there will be video "noise" lines (black and white streaks or dots) on the screen. This is normal. If the tape was originally recorded in SP or LP mode, the still picture will be black and white in addition to the "noise" lines. **This is not a fault of the machine, but merely a by-product of the technology involved in producing a TV/VCR with LP mode.**
- If it is left in the PAUSE mode for more than five minutes, the TV/VCR will automatically switch to the STOP mode.

NOISE CANCEL (in the STILL mode)

This feature allows you to reposition or reduce the noise lines of a still picture.

Press PAUSE/STILL button so that the noise lines change position on the screen and you can see the picture in its entirety without distracting noise lines.

NOTE: This feature can be activated ONLY when viewing a tape recorded in the SLP mode.

SPECIAL PLAYBACK

Make sure ...

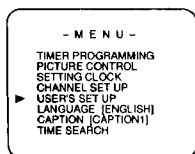
- Use the remote control for the following steps.
- Power is turned on.
- Insert a pre-recorded tape.

RENTAL PLAYBACK

This function enables you to improve the picture quality when playing back worn cassettes such as rental tapes.

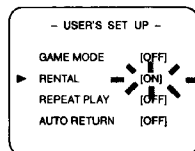
1 Select "USER'S SET UP"

Press MENU button to move to "USER'S SET UP" and press SELECT button.



2 Set "RENTAL" to [ON]

Press MENU button to move to "RENTAL PLAY". Press CH ▲ or ▼ button until [ON] appears.



3 Exit the Rental setting

Press MENU button until the TV/VCR returns to the TV mode.

4 Start playback

Press PLAY button to start playback. "RENTAL PLAY▶" appears.

- The Rental mode stays in effect until it is cancelled.

TO CANCEL THE RENTAL MODE

Repeat steps [1] and [2], selecting [OFF]. Press MENU button to return to TV mode.

REPEAT PLAYBACK

The TV/VCR has an auto repeat function that allows you to repeat a tape indefinitely without using the PLAY button. There are two selections for Auto Repeat Playback.

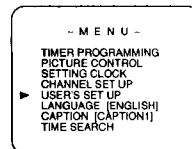
ALL REPEAT: Repeats playback from the beginning to the end of the tape.

BLANK REPEAT: Repeats playback from the beginning to a blank part, which is blank for more than 10 seconds.

NOTE: All buttons except POWER and STOP buttons do not work during Repeat Playback. Always set the Repeat Playback to [OFF] when not using this function.

1 Select "USER'S SET UP"

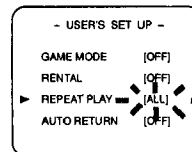
Press MENU button to move to "USER'S SET UP" and press SELECT button.



2 Select "ALL" or "BLANK"

Press MENU button to move to "REPEAT PLAY".

Press CH ▲ or ▼ button until your desired selection [ALL] or [BLANK] appears.



3 Exit the Repeat Play setting

Press MENU button until the TV/VCR returns to the TV mode.

4 Start playback

Press PLAY button to start the Repeat Play. "REPEAT PLAY▶" appears.

- The Repeat Play mode stays in effect until it is cancelled.
- If the Rental mode is set [ON], the "RENTAL PLAY▶" display has priority.

TO CANCEL THE REPEAT PLAY MODE

Press STOP button to stop playback. And repeat steps [1] and [2], selecting [OFF]. Press MENU button until the TV/VCR returns to the TV mode.

Make sure ...

- Use the remote control for the following steps.
- Power is turned on.
- Insert a tape.

COUNTER MEMORY

This feature can be used to memorize the beginning point that you want to review. You can search for it easily by rewinding or fast forwarding.

NOTES:

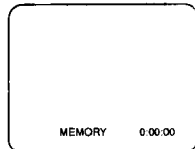
- If the All Repeat or Blank Repeat is set to [ON], the Counter Memory function does not work.
- **If the counter is not displayed, the Counter Memory will not be activated. Press C.MEMORY button so that the counter appears on the display.**

1 Stop tape at desired point

Rewind or fast forward the tape to the beginning point where you want to review. Press C.RESET button to reset the counter to 0:00:00

2 Select Counter Memory mode

Press C.MEMORY button so that "MEMORY" appears on the display.



3 Begin recording or playback

Press RECORD or PLAY button.

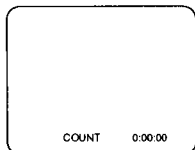
Press STOP button to end recording or playback.

4 To activate the Counter Memory

Press REWIND (or F.FWD) button. The tape will automatically stop when the counter returns to 0:00:00 (approx.).

TO CANCEL THE COUNTER MEMORY

First press C.MEMORY to display the counter on the TV/VCR screen. Then, press C.MEMORY continuously until "COUNT" appears.



TIME SEARCH

The Time Search function makes it possible to quickly advance the tape to your desired position from any position by entering the exact amount of playback time of the part that you want to skip.

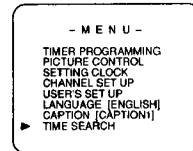
NOTES:

- Time Search can be set up to 9 hours 50 minutes (9:50) in 10 minutes increments.
- This function is not operative in recording mode.
- Counter Memory function cannot be used in this mode.
- This function only works when a cassette tape is inserted in the TV/VCR.

In the example below: A program is viewed 2 hour 50 minutes from the present position of the tape.

1 Select "TIME SEARCH"

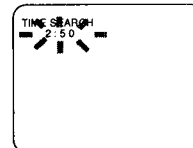
Press MENU button to move to "TIME SEARCH" and then press SELECT button.



2 Enter your desired time

Press CH ▲ or ▼ button until your desired time appears.

EXAMPLE: 2:50 = 2 hrs 50 min



3 Begin Time Search

Press REWIND or F.FWD button. The tape will move to the specified point in time.

The time counts down as the search progresses. When 0:00 is reached, the tape automatically starts playback.

TO CANCEL THE TIME SEARCH

Press STOP/EJECT button on the TV/VCR or the remote control. This will delete the selected time.

RECORDING

Make sure ...

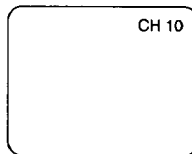
- Power is turned on.
- The erase-prevention tab is still intact on the cassette tape.
- Rewind or fast forward the tape to the point where you want to begin recording.

NORMAL RECORDING

You can only watch the same TV program that is being recorded.

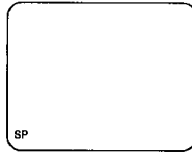
1

Press the number buttons on the remote control or CH ▼ or ▲ button to select the channel to be recorded.



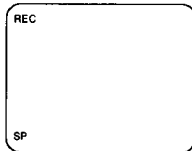
2

Press SPEED button to select the desired tape speed (SP/LP/SLP).



3

Press RECORD button to begin recording. The REC indicator flashes while recording.



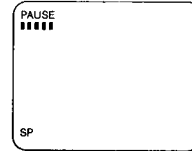
4

Press STOP button when recording is completed.

SKIPPING SOME MATERIALS DURING RECORDING

Press PAUSE/STILL button to temporarily stop recording. The REC indicator blinks.

Press PAUSE/STILL or RECORD button to resume recording.



NOTES:

- To prevent tape damage, after five minutes, the TV/VCR will automatically return to the Recording mode.
- When in the Pause/Still mode, a display showing 5 "■" marks will appear on the screen. Each "■" mark represents one minute of Pause time. You may refer to this display for remaining pause time available.
- If "CLOSED CAPTION [ON]" is selected from the "CLOSED CAPTION SET UP" menu, the On-Screen Display will appear for 5 seconds, then disappear.
- If you want to check the remaining pause time available using the On-Screen Display, press the SELECT button. The On-Screen Display again will disappear after 5 seconds.

OTR (One Touch Recording)

This function enables you to set a recording length simply by pressing RECORD/OTR button on the TV/VCR.

Make sure ...

- Power is turned on.
- The erase-prevention tab has not been removed.

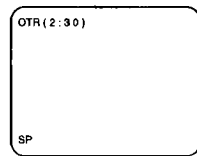
NOTE: This function CANNOT be done from the remote control.

1 Select the channel to be recorded

Press number buttons on the remote control or the CHANNEL ▼ or ▲ button.

2 Begin OTR

Press RECORD/OTR button on the TV/VCR as many times as needed. The recording length will be determined by the number of times you press RECORD/OTR button.



Each additional push will increase the recording time by 30 minutes up to 8 hours.

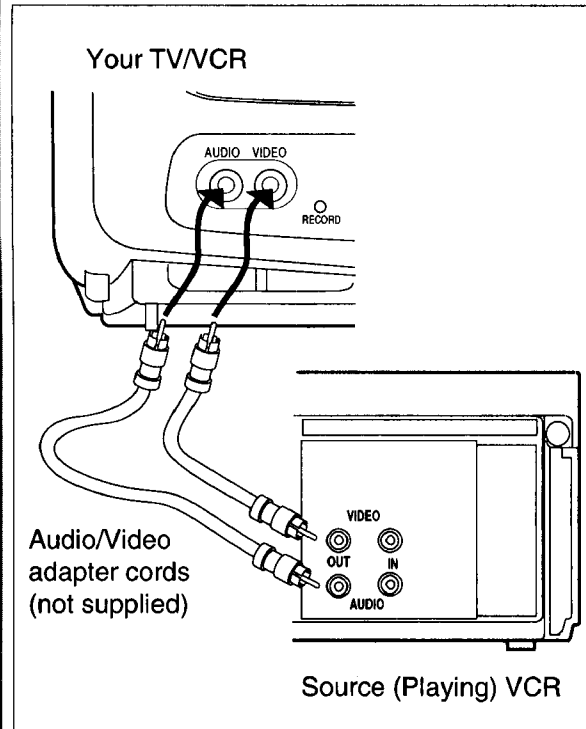
Push(es)	Display	Recording length
1 push		(normal recording)
2 pushes	0:30	30 minutes
3 pushes	1:00	60 minutes
↓	↓	↓
17 pushes	8:00	480 minutes
18 pushes		(normal recording)

HINTS:

- Recording starts immediately when the REC/OTR button is pressed.
- When REC/OTR button is pressed 18 times, the TV/VCR switches back to the Normal Recording mode.
- To stop the OTR operation, press STOP button on the TV/VCR or on the remote control.
- To show the remaining time, press SELECT button until "OTR" appears on the TV screen.
- Recording stops when 0:00 is reached.
- Please note that in the SLP mode maximum recording time, assuming the tape is started at the beginning, is 8 hours using T-160 (or 6 hours using T-120).
- If the tape runs out before the end time, the TV/VCR will switch to the Stop mode immediately, eject the tape and the TV/VCR power will turn off.

COPYING A VIDEO CASSETTE (Requires another VCR)

Connect your TV/VCR and a Source (Playing) VCR using the following diagram.



- 1) Insert a pre-recorded video cassette into the Source (Playing) VCR.
- 2) Insert a blank video cassette, or one you want to record over, into the TV/VCR.
- 3) Press SPEED button to select the desired recording speed (SP, LP or SLP).
- 4) Press CHANNEL ▲ or ▼ button until "AUX" appears on the screen.
- 5) Begin playback of the tape in the Source (Playing) VCR.
- 6) Press RECORD button on the TV/VCR.

NOTE: For best results during dubbing, use the TV/VCR's front panel controls whenever possible. The remote control might also affect the Source (Playing) VCR's playback operation.

TIMER

AUTOMATIC TIMER RECORDING

You may set the TV/VCR to record while you are away. You can set 8 programs to record on a specific day, daily or weekly within a 1 year period.

In the example below, the timer is set to record at:

DATE: MAY 6th, 1996
 SETTING TIME: 7:30PM to 8:50PM
 CHANNEL: CH61
 TAPE SPEED: LP
 PROGRAM #: 4

NOTE: Use the remote control for this procedure.

Make sure ...

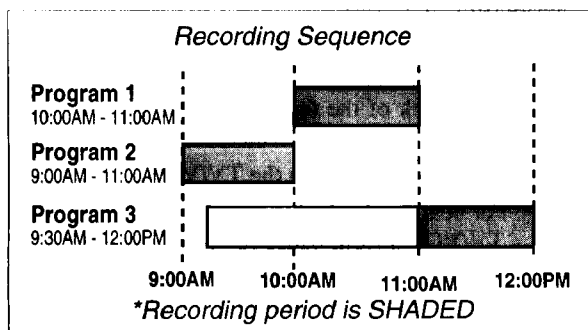
- Be sure the clock is set to the correct time and date before setting the timer.

Avoid over lap of programs ...

There is a case that a program will not be performed, when programs overlap;

- The program with an earlier start time has priority.
- Once the earlier program finishes, the overlapping programs will begin recording in sequence.
- The illustration below demonstrates the sequence of recordings.

Program 1	10:00AM - 11:00AM
Program 2	9:00AM - 10:00AM
Program 3	9:30AM - 12:00PM



1 Select "TIMER PROGRAMMING"

Press MENU button to move to "TIMER PROGRAMMING" and press SELECT button.

- If "SETTING CLOCK" appears, follow page 15 to set clock and repeat from step [3].

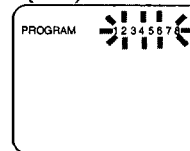


2 Select the program number (1~8)

The remaining program numbers do not flash.

Press CH ▼ or ▲ button until the desired number appears and press SELECT button.

EXAMPLE: 4

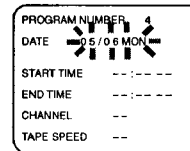


3 Select once, every day, or weekly recording

For once recording :

Press CH ▲ button until your desired date appears and press SELECT button.

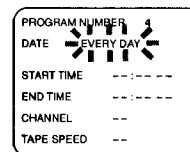
EXAMPLE: 05/06 = May 6



For every day recording : To record a TV program at the same time on the same channel every day.

(Example: Monday through Sunday)

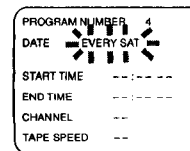
Press CH ▼ button until "EVERY DAY" appears and press SELECT button.



For weekly recording : To record a TV program at the same time on the same channel every week.

(Example: Every Monday on channel 7 at 5:00PM)

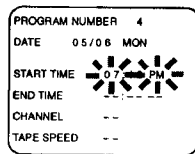
Press CH ▼ button until "EVERY" with your desired day of the week appear together and press SELECT button.



4 Set start hour

Press CH ▼ or ▲ button until your desired hour appears and press SELECT button.

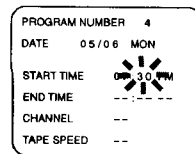
EXAMPLE: "7,PM" = 7:30PM



5 Set start minute

Press CH ▼ or ▲ button until your desired minute appears and press SELECT button.

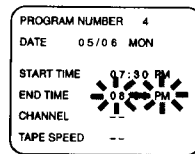
EXAMPLE: "30" for 7:30PM



6 Set end hour

Press CH ▼ or ▲ button until your desired hour appears and press SELECT button.

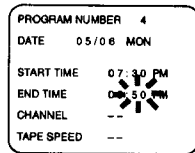
EXAMPLE: "8,PM" = 8:50PM



7 Set end minute

Press CH ▼ or ▲ button until your desired minute appears and press SELECT button.

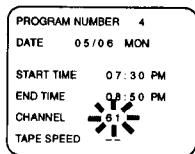
EXAMPLE: "50" = 8:50PM



8 Set the channel number

Press CH ▼ or ▲ button until your desired channel number appears and press SELECT button.

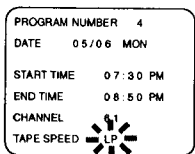
EXAMPLE: CH61



9 Set the tape speed

Press CH ▼ or ▲ button until your desired tape speed appears.

EXAMPLE: LP



10 Exit the program mode

Press SELECT button. Program 4 is now completed.

To set another program, repeat steps [1] to [10].

11 Set the timer

Press POWER button to set automatic timer recording. The TIMER REC indicator lights up.

- You must turn off the TV/VCR to activate automatic timer recording.

If power is not turned off and you continue watching TV, "TIMER REC STANDBY" will start flashing on the TV screen 2 minutes before the programmed start time.

TO CORRECT A PROGRAM

- While setting a program; press ADD/DELETE button to go back one step, and enter correct numbers using CH ▼ or ▲ button.
- After setting a program;
 - 1) Press POWER button.
 - 2) Repeat steps [1] - [2].
 - 3) Press SELECT button (or press ADD/DELETE button to go back one step) until the part you want to correct begins flashing, then make the change.
 - 4) Repeat steps [10] and [11].

TO CANCEL AN AUTOMATIC TIMER RECORDING

- While setting or after setting a program;
 - 1) press POWER button.
 - 2) Repeat steps [1] ~ [2] and select a program number you want to cancel.
 - 3) Press ADD/DELETE button.
 - 4) Press MENU button to return to the TV mode.

- While recording is in progress;

- 1) Press POWER button.
- 2) Press STOP/EJECT button on the TV/VCR.

If you press POWER button to turn off before the end time, timer recording will continue to function.

Repeat steps [1] ~ [2], select the program number you want to cancel and press ADD/DELETE button. Press MENU button to return to the TV mode.

TO CHECK THE START/END TIME

- 1) Press POWER button so that the REC indicator goes off.
- 2) Press MENU button on the remote control.
- 3) Press MENU button to point to "TIMER PROGRAMMING".
- 4) Select a program number you want to check. The details of selected program will appear on the TV screen.
- 5) Press MENU button. The TV screen returns to the TV mode.

HINTS:

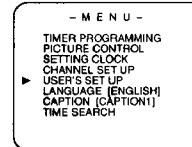
- Make sure the channel you want to record is properly set in advance.
- If you are recording using a Timer mode, you may not operate the unit manually.
- Recording begins automatically at the Start time.
- It is not necessary to press RECORD button for timer recording.
- The erase-prevention tab on the cassette must be in place (or you must put tape over the hole).
- If the erasure protection tab is removed, the cassette will be ejected when the POWER button is pressed to off.
- If the tape runs out before the end time, the TV/VCR will switch to the STOP mode immediately, and the tape will be ejected.

AUTO RETURN

With this feature, after timer recording is finished, the beginning of the recorded program(s) can be searched for automatically.

1 Select "USER'S SET UP"

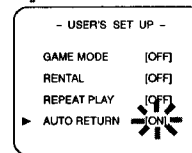
Press MENU button to move to "USER'S SET UP".



2 Set "AUTO RETURN" to [ON]

Press MENU button to point to "AUTO RETURN".

Press CH ▼ or ▲ button until [ON] appears.



3 Auto Return will begin

When all the timer recordings are completed, the TV/VCR will rewind to the beginning of the recorded program(s).

NOTES:

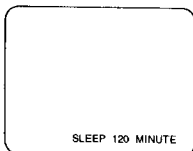
- If you press POWER button while tape is rewinding, the Auto Return will stop.
- The Counter Memory function cannot be used in this mode.

SLEEP TIMER

The Sleep Timer function turns off the TV/VCR without using the POWER button after a desired time period of time.

Press SLEEP button on the remote control until your desired sleep time appears.

Each additional push will increase the recording time by 30 minutes up to 120 minutes.



	DISPLAY	SLEEP TIME
1 push	0 MINUTE	0 minute
2 pushes	30 MINUTE	30 minutes
3 pushes	60 MINUTE	60 minutes
4 pushes	90 MINUTE	90 minutes
5 pushes	120 MINUTE	120 minutes
6 pushes	0 MINUTE	0 minute

TO CANCEL THE SLEEP TIMER

Press SLEEP button until "SLEEP 0 MINUTE" appears.

ALARM TIMER

The alarm function enables you to turn on the TV/VCR without using the POWER button after a desired time period.

1 Select ALARM mode

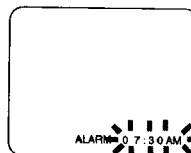
Press ALARM button on the remote control.



2 Select the alarm time

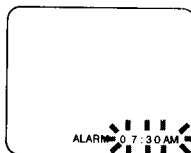
Press CH ▲ or ▼ button until your desired time is appeared and press SELECT button.

EXAMPLE: 7:30AM



3 Confirm the alarm time is correct.

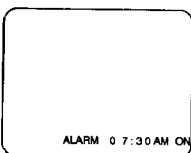
To check alarm time, press ALARM button. When "ALARM OFF" appears on the screen, repeat steps [1] and [2].



4 Activating the alarm timer

Press ALARM button again. "ON" appears next to the alarm time on the screen.

The TV/VCR will turn on automatically at the set time.



TO CANCEL THE ALARM TIMER

Press ALARM button so that "ALARM OFF" appears on the screen.

TROUBLESHOOTING GUIDE

If you have thoroughly read this instructions manual and are still having some difficulties operating your TV/VCR, the chart below will help you to locate the problem and give you corrective measures to fix it. Find which symptom best matches the difficulty you are experiencing and use the information in the columns on the right to remedy the problem.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
No power.	<ul style="list-style-type: none"> ● AC Power cord is not connected. ● POWER button is set to OFF. 	<ul style="list-style-type: none"> ● Connect AC power cord to AC outlet. ● Set the POWER button to ON.
No picture and sound.	<ul style="list-style-type: none"> ● No channel in memory. ● Antenna is not connected. ● TV/VCR is not plugged into an active AC outlet. 	<ul style="list-style-type: none"> ● Program tuner's memory. ● Check antenna connection. ● Plug power cord into an active AC outlet.
No picture or poor picture on TV/VCR.	<ul style="list-style-type: none"> ● Direction or condition of antenna is not adequate. ● Picture control is not adequate. 	<ul style="list-style-type: none"> ● Adjust direction or replace antenna. ● Adjust picture controls.
No sound or poor sound.	<ul style="list-style-type: none"> ● Volume control on remote control unit or main unit is in minimum position. ● MUTE button on the remote control unit is in the ON position. 	<ul style="list-style-type: none"> ● Adjust volume control on remote control unit or set. ● Press MUTE button.
Timer recording is not possible.	<ul style="list-style-type: none"> ● The timer recording is set incorrectly. ● The timer recording is not set to ON. 	<ul style="list-style-type: none"> ● Set the timer recording correctly. ● Set the timer recording to ON.
Cannot go into Record mode.	<ul style="list-style-type: none"> ● The erase-prevention tab on cassette is missing. 	<ul style="list-style-type: none"> ● Place plastic tape over missing erase-prevention tab.
Playback picture is partially noisy.	<ul style="list-style-type: none"> ● The TRACKING control is not set correctly. 	<ul style="list-style-type: none"> ● Adjust TRACKING control for better picture.
Noise in picture on playback.	<ul style="list-style-type: none"> ● Video heads are dirty. 	<ul style="list-style-type: none"> ● Head cleaning is necessary, consult the nearest Sears Service Center.
No operation by infrared Remote Control.	<ul style="list-style-type: none"> ● No power to TV/VCR. ● Weak batteries. 	<ul style="list-style-type: none"> ● Make sure the AC cord is connected to an AC outlet. ● Check the batteries in infrared Remote Control.

CLOSED CAPTION PROBLEM	POSSIBLE REMEDY
My TV/VCR is showing captions that are misspelled.	You are watching a live broadcast and spelling errors made by the closed captioning production company may pass through uncorrected. A pre-recorded program will not show any misspelled words because of the normal time available for editing the captions.
My TV/VCR will not show the text in its entirety or there is a delay of what is being said.	Captions that are delayed a few seconds behind the actual dialogue are common for live broadcasts. Most captioning production companies can display a dialogue to a maximum of 220 words per minute. If a dialogue exceeds that rate, selective editing is used to insure that the captions remain up-to-date with the current TV screen dialogue.
My captions are scrambled with white boxes on the TV screen.	Interference caused by building, power lines, thunderstorms, etc. may cause scrambled or incomplete captions to appear.
My program guide listed a TV show as being closed captioned but none of the captions were displayed.	Broadcasters may at times use a time compression process to speed up the actual program so that additional advertising time can be given. Since the decoder cannot read the compressed information, captions will be lost.
Although the tape box says it has closed captions, my pre-recorded video tape does not show any captions.	The video tape was either an illegal copy or the tape duplicating company accidentally left out the captioning signals during the copying process.
My TV screen shows a black box on certain channels.	You are in the TEXT mode. Select CAPTION mode or CAPTION [OFF].

MAINTENANCE

CABINET CLEANING

- Wipe the front panel and other exterior surfaces of the TV/VCR with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the TV/VCR. Such chemicals may cause damage and discoloration to the exposed surfaces.

HEAD CLEANING

- Picture playback may become blurred or interrupted while the TV program reception is clear. This does not mean that the recorded program has been erased. Dirt accumulated on the video heads after long periods of tape playback, or the usage of rental or worn tapes can cause this problem. In this case, video head cleaning requires highly technical attention, therefore consult the nearest Sears Authorized Service Center. Clean heads only when problems occur.

SERVICING

- Should your TV/VCR become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power cord, and take the unit to the nearest Sears Authorized Service Center for servicing.

SPECIFICATIONS

GENERAL SPECIFICATIONS

CRT :	13 inch in-line gun, 90° deflection tube
Television system :	NTSC-M
Closed caption system :	§15.119/FCC
Video Heads :	Rotary two-head
Tape width :	1/2 inch
Tape speed	
SP :	33.40mm/sec.
LP :	16.67mm/sec.
SLP :	11.12mm/sec.
Tuner channel	
TV VHF Low :	#2~#6
TV VHF High :	#7~#13
TV UHF :	#14~#69
CATV	
VHF :	5A
MID band :	A5~A1, A~I
SUPER band :	J~W
HYPER band :	W+1~W+84
Terminals	
Antenna input :	VHF/UHF 75 ohms unbalanced
Video input :	RCA connector × 1
Audio input :	RCA connector × 1
Earphone :	1/8" monaural (3.5 mm)

ELECTRICAL SPECIFICATIONS

Video input level :	0.5~2.0V _{p-p}
Audio input level :	-15dBs
Video S/N ratio :	More than 46dB
Audio S/N ratio :	More than 43dB

OTHER SPECIFICATIONS

Power requirement :	AC 120V/60Hz
Power consumption :	75W
Dimensions :	H : 15-13/16" (402mm) W : 15-3/16" (386mm) D : 14-3/4" (375mm)
Weight :	27.56 lbs (12.5 kg)

- **Designs and specifications are subject to change without notice and without our legal obligation.**



OWNER'S MANUAL

**MODEL NO.
SRV1320S**

WARRANTY

TV/VCR COMBINATION

LIMITED WARRANTY

This product is exclusive to and is warranted solely by Sears. For 90 days from the date of purchase, Sears will repair any defect in material or workmanship in this TV/VCR combination, free of charge. For one year from the date of purchase, Sears will supply, at no charge, replacement for defective parts.

This above warranty coverage applies only to TV/VCR combinations which are used for private household purposes.

LIMITED WARRANTY ON PICTURE TUBE

After one year from the date of purchase and up to two years, Sears will furnish, free of charge, a replacement for the picture tube, if defective. You pay for labor.

Warranty service is available by returning the TV/VCR combination to the nearest Sears Service Center/Department in the United States. This warranty applies only while this product is in use in the United States. For service after the warranty expires, it is recommended that this product be returned to the nearest Sears Service Center.

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

Sold by Sears, Roebuck and Company, Dept.817WA
Hoffman Estates, IL 60179