

OWNER'S MANUAL

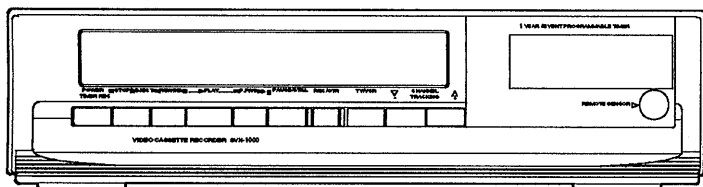
VIDEO CASSETTE RECORDER SVX-1000



Symphonic

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Please read before using this equipment

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.

"IMPORTANT SAFEGUARDS"

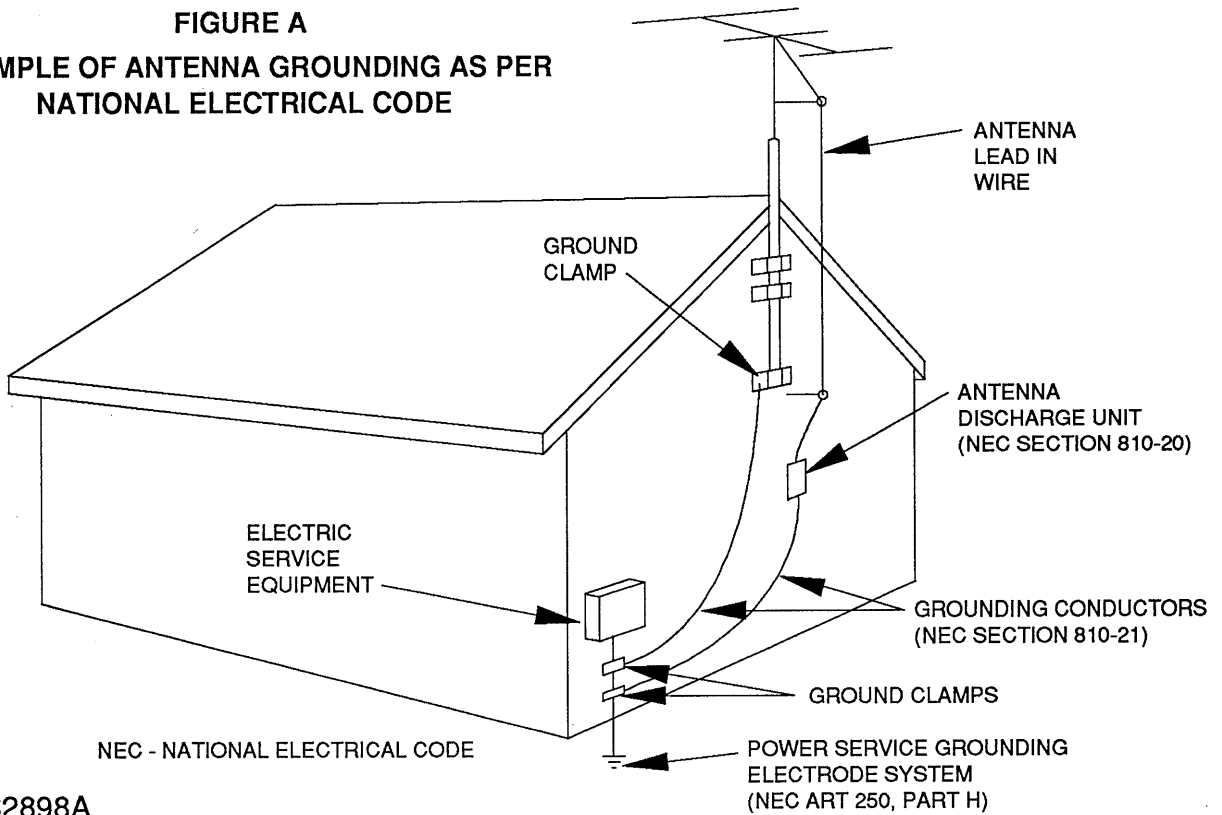
1. Read instructions-All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions-The safety and operating instructions should be retained for future reference.
3. Heed Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions-All operating and use instructions be followed.
5. Cleaning-Unplug this video product 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 video product manufacturer as they may cause hazards.
7. Water and Moisture-Do not use this video product 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 video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. 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. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.


PORTABLE CART WARNING
(Symbol provided by RETAC)

S3125A
9. Ventilation-Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to .
10. Power Sources-This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
11. Grounding or Polarization-This video product 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 you 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.
13. Outdoor Antenna Grounding-If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)

FIGURE A

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



S2898A

14. Lightning-For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product 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 video product through any 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 video product.
18. Servicing-Do not attempt to service this video product 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 video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the video product.
 - c. If the video product has been exposed to rain or water.
 - d. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
 - e. If the video product has been dropped or the cabinet has been damaged.
 - f. When the video product 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 had used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
21. Safety Check-Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

FEATURES

- ◆ **Auto Power On and Off system**– Automatically turns the VCR on as you insert the cassette, and turns off after auto-rewind, ejects when reaches beginning of the tape.
- ◆ **Three Different Record/Playback Speed**– Select the SP mode (Standard short play), LP mode (Long play) and SLP(EP) mode (Super long play) for up to eight hours of recording/playback with a T-160 tape.
- ◆ **Automatic Playback Speed Selection**– Automatically selects the proper playback speed even if you set speed select to different mode.
- ◆ **1 Year, 8 events (including daily and weekly)**– The built-in timer allows you to record up to 8 programs at different times on different channels up to 1 year. The daily timer will allow recordings to be made of daily broadcasts and the weekly timer will allow recording to be made once a week up to the end of the tape.
- ◆ **Picture Search**– You may view the video program at a high speed in either a forward or reverse direction.
- ◆ **STILL**– "Freeze" the picture at any time, for close viewing of a particular scene. Only recorded tape in SLP mode shows clear picture.
- ◆ **PLL Frequency Synthesizer Tuner with 155 Channel Cable-compatible with Direct station Call**– (A converter may be necessary to view CATV channels.)
- ◆ **28 buttons Infrared Remote Control**– Allows you to use most of the controls from a remote location.
- ◆ **OTR (One Touch Recording)**– Automatic recording for from 30 to 480 minutes is possible at the push of OTR button. (You don't need any timer adjustment for recording.)

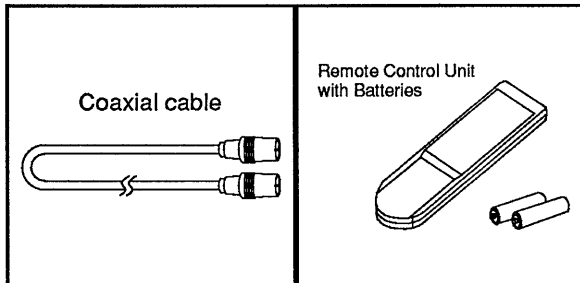
FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change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

The serial number of this product may be found on the back of the VCR. No others have the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft.

Date of Purchase	
Dealer Purchase from	
Dealer Address	
Dealer Phone No.	
Model No.	SVX-1000
Serial No.	

PRECAUTIONS

SUPPLIED ACCESSORIES



Note: Depending on your antenna system, you will need a different type of Combiner (Mixer) and Separator (Splitter). You can purchase them at electronics store. For further details, ask your nearest service center.

LOCATION

For safe operation and satisfactory performance of your VCR, 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 place with insufficient ventilation for proper heat dissipation. Do not block the ventilation holes at the top and bottom of the VCR. 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 VCR near strong magnetic fields.
- ◆ Do not move the unit from a cold to a hot place or vice versa.

AVOID THE HAZARDS OF ELECTRICAL SHOCK AND FIRE

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

WARNING

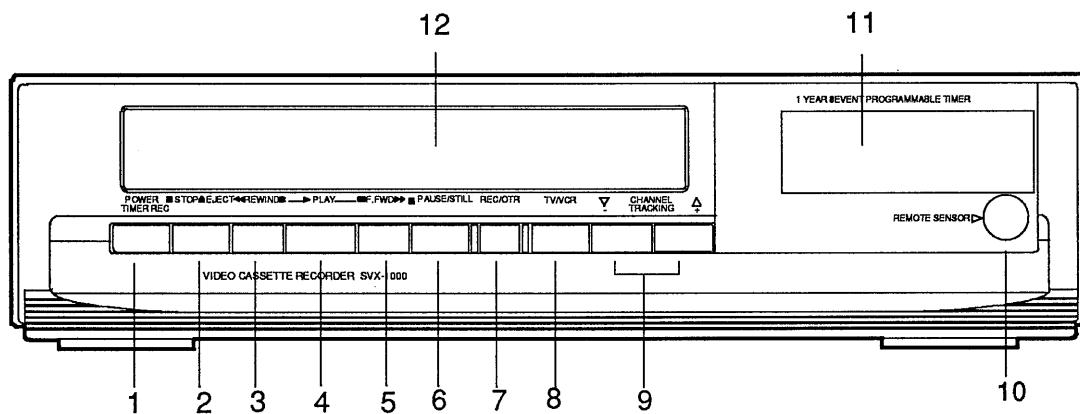
Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. If playing a tape with VCR which has moisture, it will damage the tape and VCR. Therefore when the dew occur in side the unit turn the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

IMPORTANT COPYRIGHT INFORMATION

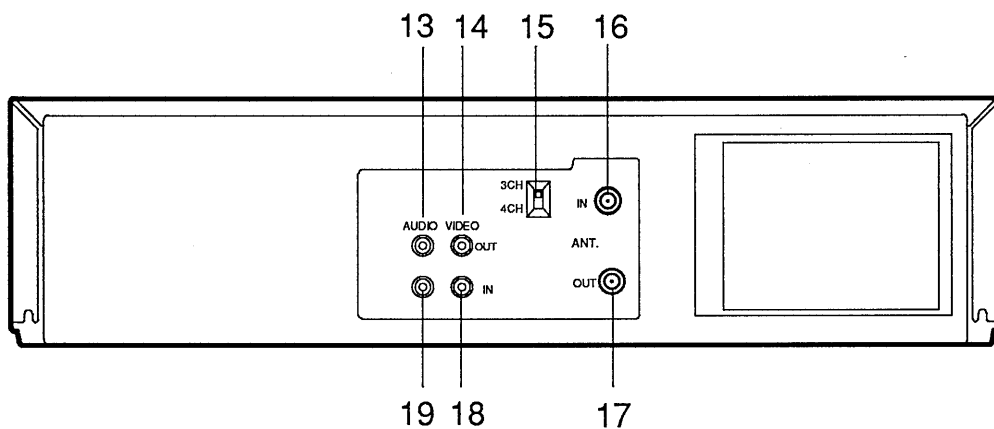
Unauthorized recording or use of broadcast television programming, video tape, film, or other copyrighted material may violate applicable copyright laws. We assume no responsibility for the unauthorized duplication, use or other acts which infringe upon the rights of copyright owners.

OPERATING CONTROLS AND FUNCTIONS

—FRONT VIEW—



—REAR VIEW AND TERMINALS—



-
- 1 **POWER/TIMER REC button**– To turn VCR on and off. Press to activate the automatic recording timer.
 - 2 **STOP/EJECT button**– Press to stop tape motion. Press to remove tape from VCR.
 - 3 **REWIND button**– Press to rewind tape or to view video in reverse during play mode at a faster than normal speed. Press PLAY button to return VCR to normal playback speed.
 - 4 **PLAY button**– Press to begin playback of a tape.
 - 5 **F.FWD button**– Press to advance tape or to view video in forward direction during play mode at a faster than normal speed. Press PLAY button to return VCR to normal playback speed.
 - 6 **PAUSE/STILL button**– Press to temporarily stop tape during playback or manual recording.
 - 7 **REC/OTR button**– Press to begin manual recording and activate one touch recording mode.
 - 8 **TV/VCR button**– Selects the signal source that your TV receives.
VCR position: to view playback, to monitor video recordings or watch TV using the VCR tuner.
TV position: to watch TV or to view one program while recording another.
 - 9 **CHANNEL buttons**– Press to select the channel for viewing or recording.
TRACKING control buttons– Adjust to minimize video "noise" (line or dots on screen) during playback.
 - 10 **REMOTE SENSOR window**– Receives the infrared control signals from the handheld remote control unit.
 - 11 **DIGITAL DISPLAY**– Display the clock, timer recording, counter and channel etc.
 - 12 **CASSETTE COMPARTMENT**
 - 13 **AUDIO OUT jack**– Connect to the line in jack of your audio equipment or another VCR.
 - 14 **VIDEO OUT jack**– Connect to the video in jack of video processor or another VCR.
 - 15 **3CH/4CH selector switch**– Use to select the video channel (3 or 4) for playback from the VCR.
 - 16 **ANT. IN terminal**– Connect an antenna.
 - 17 **ANT. OUT terminal**– Connect to ANTENNA IN terminal of your TV.
 - 18 **VIDEO IN jack**– Connect to video output jack of your video camera or another VCR.
 - 19 **AUDIO IN jack**– Connect to audio output jack of your audio equipment or another VCR.

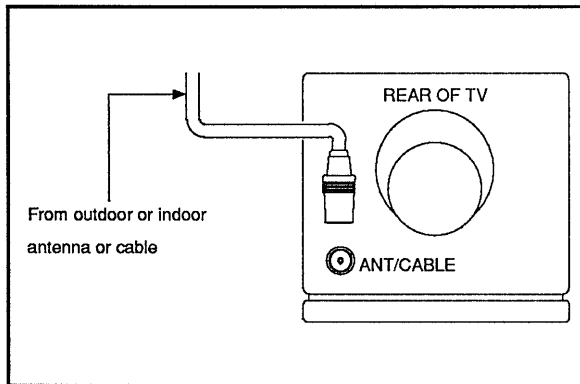
CABLE CONNECTIONS

For some of the most common types of connections, see the following drawings. For any further complex set-up. Please contact your local dealer or other qualified persons. (You may need other accessories which are not supplied).

COMBINATION VHF/UHF ANTENNA, CATV COAXIAL CABLE

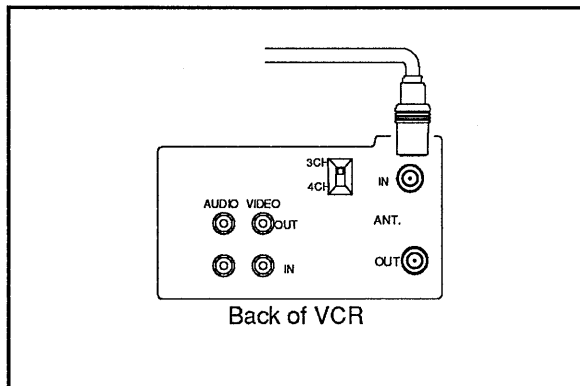
1

Disconnect the round 75-ohm combination VHF/UHF antenna cable or CATV coaxial cable from the rear of your TV set.



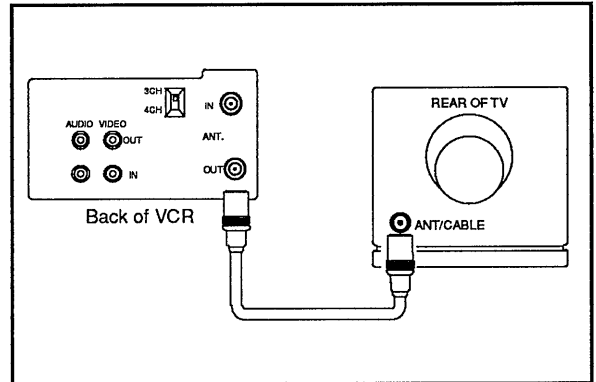
2

Reconnect the 75-ohm cable to ANT-IN terminal of the VCR.



3

The supplied coaxial cable. Connect the one end of the supplied coaxial cable to VCR ANT-OUT and other end to the TV-ANT terminal.



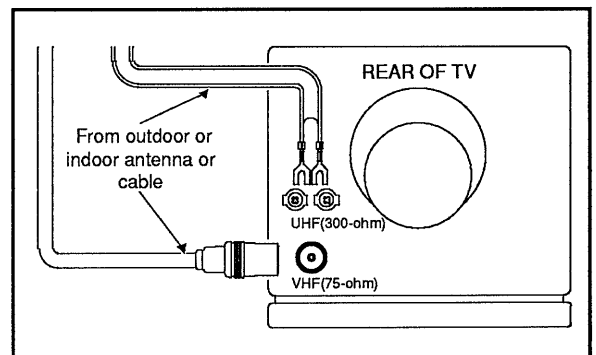
Notes: If your cable system is connected with a converter box or descrambler box,

- ◆ Set the VCR to the same channel as output channel of the converter box or descrambler box. (3ch or 4ch)
- ◆ Use the CATV box to select the channel you want to watch or record.

SEPARATE 75/300 OHM ANTENNA

1

Disconnect the VHF coaxial antenna cable and the UHF flat twin-lead antenna cable from the rear of your TV set.

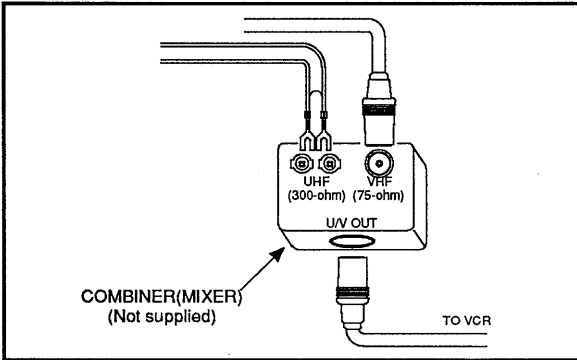


Note to CATV system installer

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.

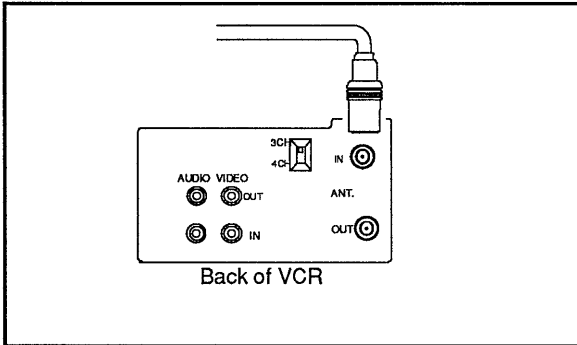
2

Reconnect those cables to the Combiner (not supplied) VHF and UHF terminal, and then connect one end of coaxial cable to Combiner.



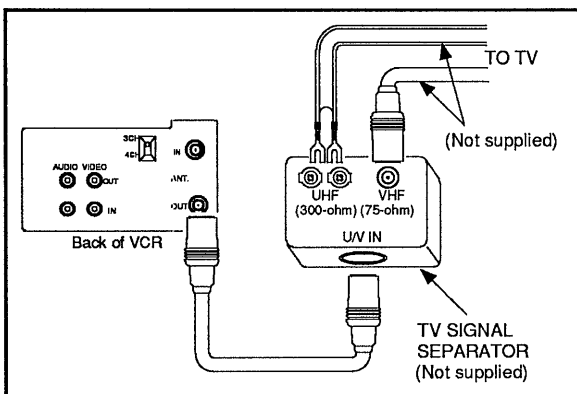
3

Connect the coaxial cable (from the Combiner) to the VCR's ANT IN terminal.



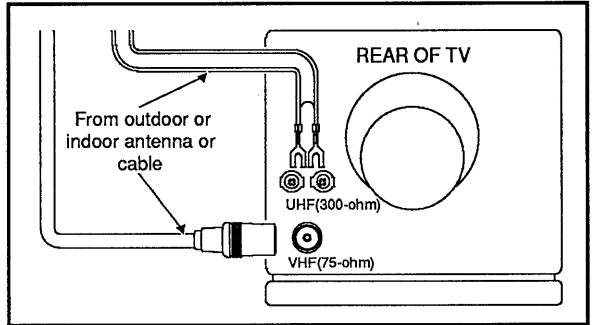
4

Connect another coaxial cable (not supplied) to the VCR's ANT OUT terminal and connect the other end to a Separator (not supplied).



5

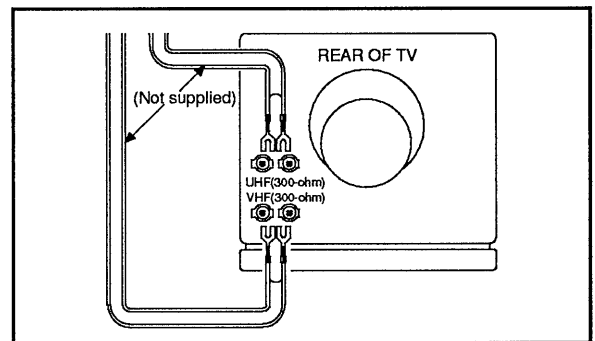
Connect the Separator's coaxial end to the TV's VHF terminal, and flat twin-lead end to the TV's UHF terminal.



SEPARATE 300 OHM ANTENNA

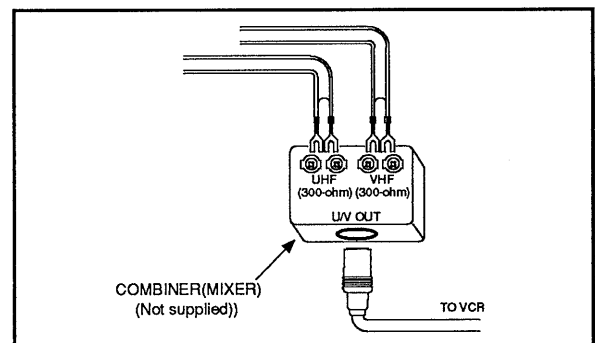
1

Disconnect the 300-ohm (flat twin-lead) antenna cables from the rear of your TV.



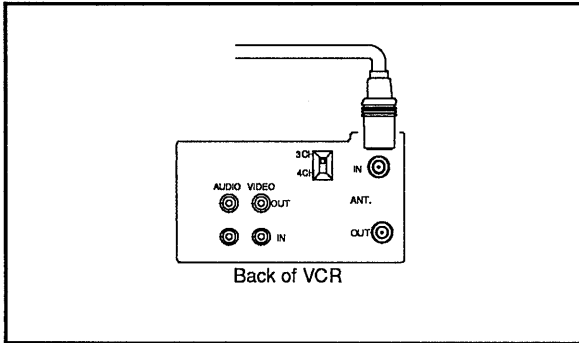
2

Reconnect those ANT wire to Combiner (not supplied) VHF and UHF terminal, and then connect one end of coaxial cable to the Combiner.

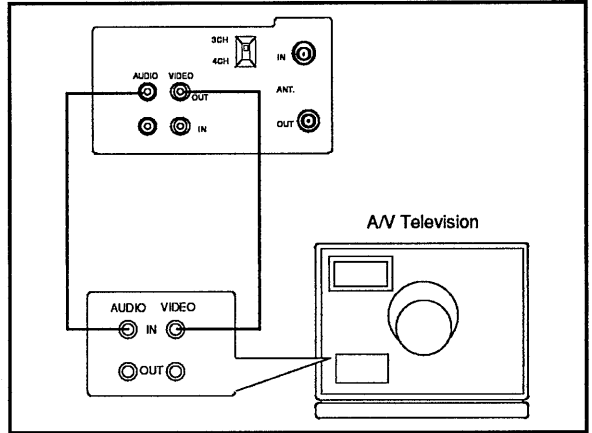


3

Connect the other end of coaxial cable (from the Combiner) to VCR ANT IN terminal.

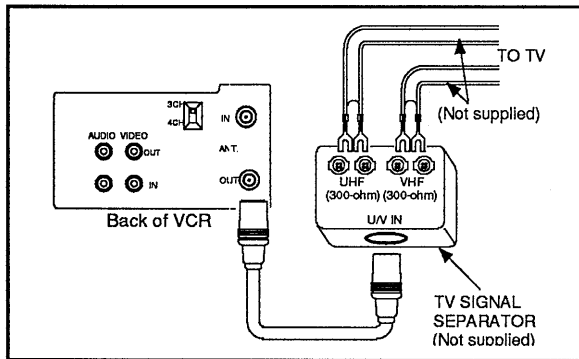


A/V TERMINALS



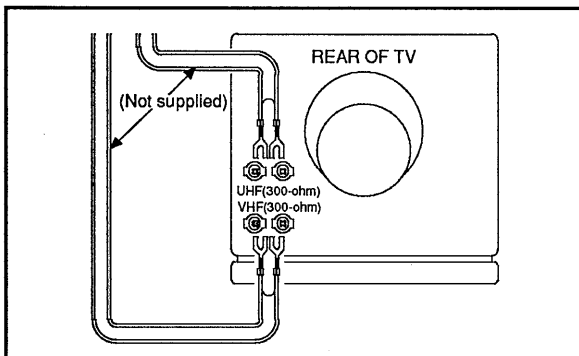
4

Connect another coaxial cable (not supplied) to the VCR's ANT OUT terminal and connect the other end to a Separator (not supplied).



5

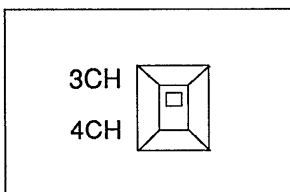
Connect the Separator's flat twin-lead end to the TV's VHF/UHF terminals.



CONTROLLING VCR INPUT & OUTPUT

VIDEO CHANNEL SETTING (BACK OF VCR)

When the VCR is in the playback mode, or when the TV/VCR button is in the VCR position, your TV will receive the signals from the VCR on either channel 3 or 4. Set the channel switch to the station that is not used for normal broadcasts in your area; then set your TV to that same channel when viewing material from the VCR. The RF converter output of this unit is set to VHF channel 3 prior to shipment.



INPUT SELECT

Note: When the AUDIO IN/VIDEO IN jacks are used, the tuner is automatically disconnected. Therefore, the AUDIO IN/VIDEO IN jacks must be open to use the tuner in the VCR.

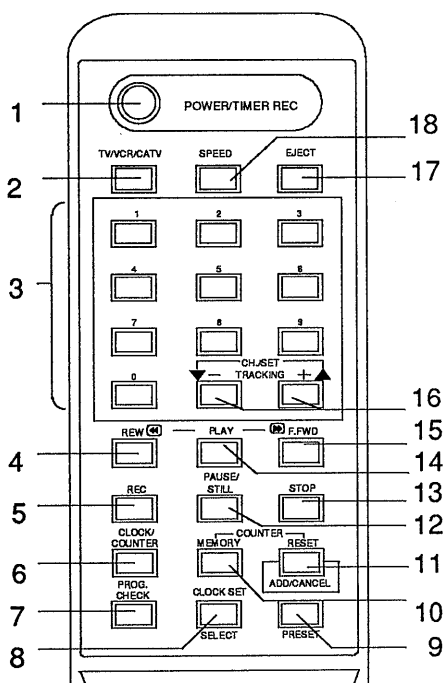
REMOTE CONTROL OPERATION

You can operate most of your VCR's functions from the Remote Control (included). The buttons on the Remote Control have the same functions as the corresponding buttons on the VCR.

HOW TO USE THE REMOTE CONTROL

- 1 **POWER/TIMER REC button**– To activate the automatic recording timer and turn VCR on and off.
- 2 **TV/VCR/CATV button**– To select the TV, VCR or CATV.
- 3 **NUMBER buttons**– To select desired channels. They cannot be used to set desired channel during Timer Recording. To select channel from 1 to 9, first press "0" button then 1 to 9.
- 4 **REW button**– To rewind the tape. To view the picture rapidly in reverse, during the playback mode.
- 5 **REC buttons**– To begin recording.
- 6 **CLOCK/COUNTER button**– Press to alternate between clock and counter display modes.
- 7 **PROG. CHECK button**– Press to select program number.
- 8 **CLOCK SET button**– Press to select clock setting mode.
SELECT button– Use to select clock setting mode and select timer setting mode.

- 9 **PRESET button**– Use to select channel program mode.
- 10 **COUNTER MEMORY button**– Press to set counter memory-in.
- 11 **COUNTER RESET button**– Press to reset counter to 0000.
ADD/CANCEL button– Press to cancel memorized channel or Timer Program, and to add desired channel.
- 12 **PAUSE/STILL button**– To stop the tape temporarily during playback or recording.
- 13 **STOP button**– To stop the tape.
- 14 **PLAY button**– To playback the tape.
- 15 **F.FWD button**– To move the tape forward rapidly. To view the picture rapidly in forward during the playback mode.
- 16 **CHANNEL buttons**– To select desired channel by pressing either "UP" or "DOWN" button. They cannot be used during Timer Recording.
TRACKING button– Adjust to minimize video 'noise' (lines or dots on screen) during playback.
SET button– Adjust time and timer program with "+" or "-" button.
- 17 **EJECT button**– To remove tape from VCR.
- 18 **SPEED button**– Used to set desired recording speed. (SP/LP/SLP)



INSTALLING THE BATTERIES

- 1 Slide the battery compartment cover by pressing the cover on the remote unit in the direction of the arrow.
- 2 Insert 2 "SUM-3", "AA", "IEC R06" penlight batteries into the battery compartment in the direction as indicated by the polarity (+/-) markings.
- 3 Replace the cover.

PREPARATION FOR USE

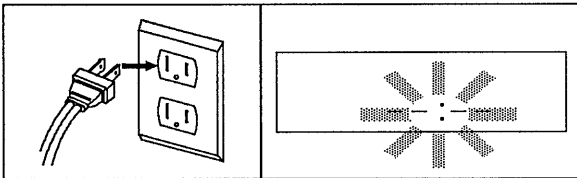
CHANNEL MEMORY PROGRAMMING

You can program the tuner to scan only the channels you receive in your area. See page 31 for channel designations.

- ◆ Programed channels are erased when you disconnect the power cord or the power failure occur.
- ◆ In TV mode, the indicator will not display TV.

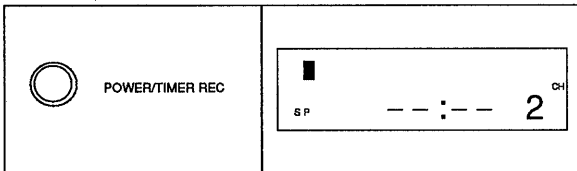
1

Plug the VCR power cord into a standard AC outlet. The display flashes --:--.



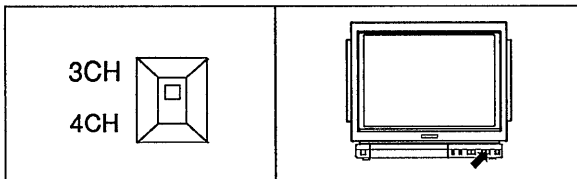
2

Press POWER button to on.



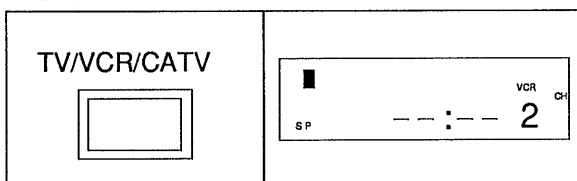
3

Turn on the TV and set the TV channel to the same channel as 3CH/4CH switch located on the back of the VCR.



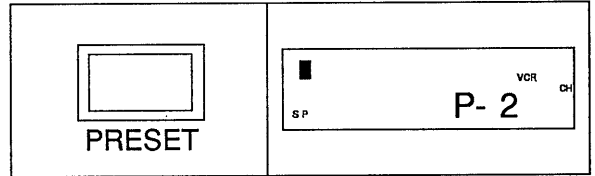
4

Press TV/VCR/CATV button on the remote control unit to select VCR, so that VCR appears on the display.



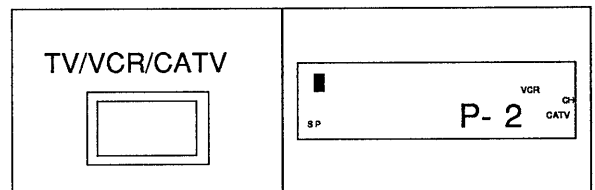
5

Press PRESET button.



6

If you use CATV, press TV/VCR/CATV button on the remote control unit to select CATV, so that CATV appears on the display.



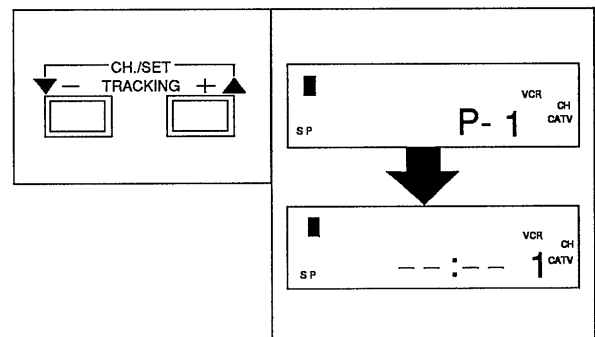
7

Press CH. button ("▲" or "▼").

The channel number indicator will begin to change from 1 (TV mode:CH2) to up and VCR tuner will begin to search up for the available stations in your area.

After searching, the tuner stops on the lowest numbered active channel. (Example: CH1)

Now, all the channels you receive in your area are stored in memory.

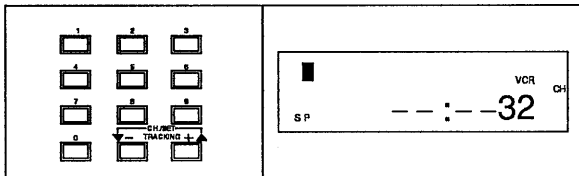


- ◆ If you want to recall the selected channels, you can select the desired channel directly by CH. button ("▲" or "▼") on the remote control unit.

TO ERASE PRESET CHANNELS

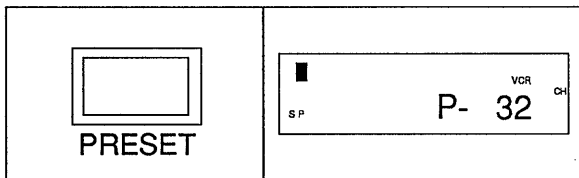
1

Select the desired channel number with remote control CH. ("▲" or "▼") button.
(Example: Channel 32)



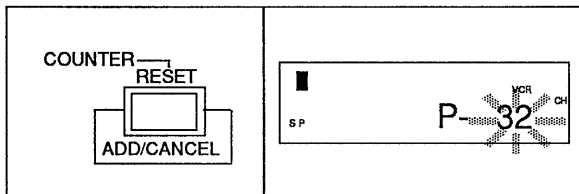
2

Press PRESET button.



3

Press CANCEL button. Channel indicator flashes.

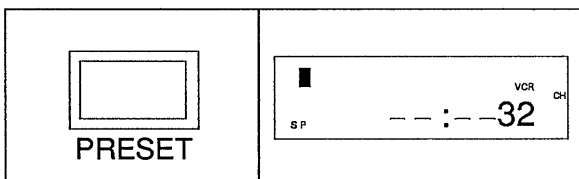


Repeat steps [2] and [3] for each program you want to erase.

4

Press PRESET button. The channel indicator stops flashing.

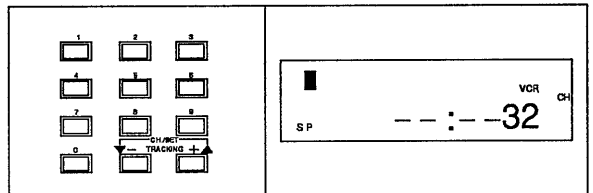
Press channel "▲" or "▼" button on either the remote control or the VCR to erase the channel number. Now, channel 32 is erased.



TO ADD PRESET CHANNEL

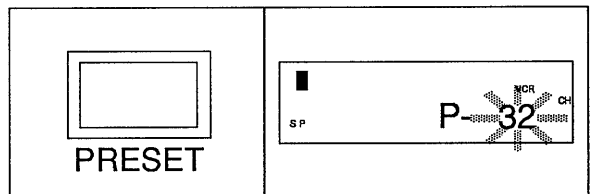
1

Select the desired channel number with remote control NUMBER buttons. You must precede one-digit channel numbers with a zero (02, 03, 04 and so on).



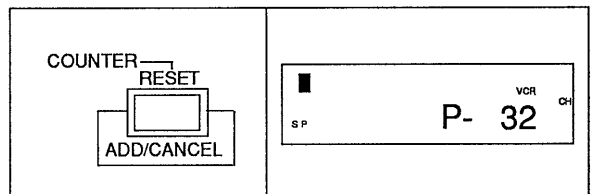
2

Press PRESET button.



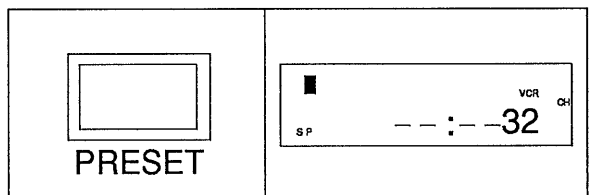
3

Press ADD button. Channel indicator stops flashing.



4

Press PRESET button.



VIDEO CASSETTE

This VCR will operate with any cassette that has the VHS mark. For best result we recommend the use of high-quality tape.

◆ Do not use the poor quality or damaged tape. The table below shows the recording/playback time using T-60, T-120 or T-160 tape in the SP, LP or EP (SLP) mode.

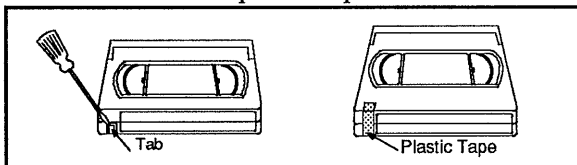
MODE	CASSETTE		
	T-60	T-120	T-160
SP Mode	1 hour	2 hours	2-2/3 hours
LP Mode	2 hours	4 hours	5-1/3 hours
EP(SLP) Mode	3 hours	6 hours	8 hours

When handling video tapes, take the following precautions

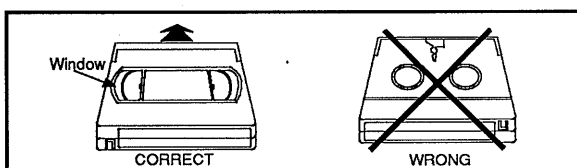
- ◆ Avoid moisture, which can condense on the tape if it is moved from a cold place to a warm place. Playing a tape that has moisture in it will damage the tape and your VCR. Before using a tape with these conditions, wait until the tape has warmed to room temperature and the moisture has evaporated.
- ◆ Avoid extreme heat, high humidity and magnetic fields.
- ◆ Do not tamper with the cassette mechanism.
- ◆ Do not touch the tape with your fingers.

ERASE PREVENTION

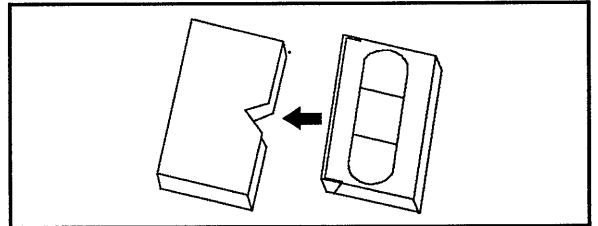
You may prevent accidental erasing of a tape by breaking off the tab on the back edge of the cassette. If you decide to record on the tape again, cover the hole with plastic tape.



Insert the cassette into the VCR as shown.



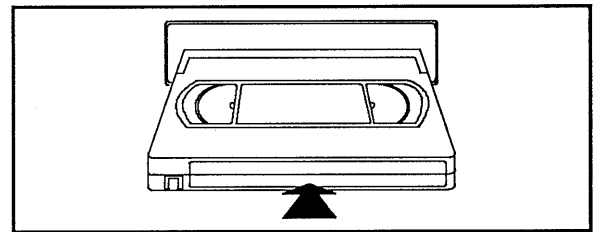
Store the cassette in its case as shown.



INSERTING A CASSETTE

Insert the cassette in the direction as shown. Push in gently, but continuously, on the center-back of the cassette until it is drawn completely into the VCR.

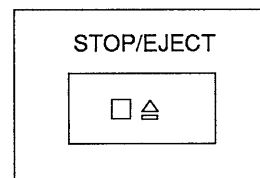
VCR is automatically turned on, and cassette-in indicator will light when the cassette is properly inserted.



REMOVING A CASSETTE

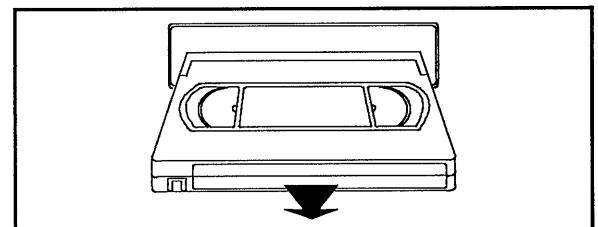
1

Press EJECT button.(on the unit or on the remote control.)



2

When the cassette-in indicator goes off and the cassette stops moving, pull the cassette out of the cassette compartment and store it properly.

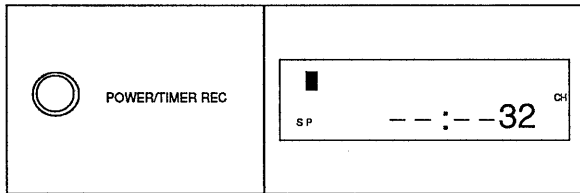


SETTING UP THE CLOCK FOR CORRECT TIME

In the example below, the clock is to be set to 21st May Sunday, 2000 at 5:40PM.

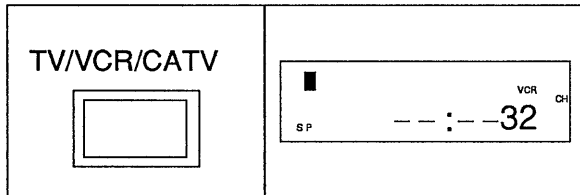
1

Press POWER button to turn on the VCR so that the ■ appears on the display.



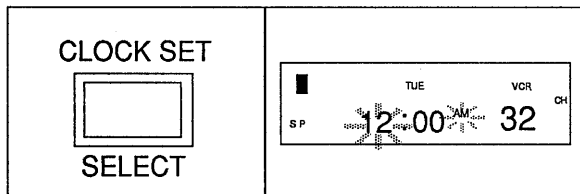
2

Press TV/VCR/CATV button on the remote control to select VCR so that VCR appears on the display.



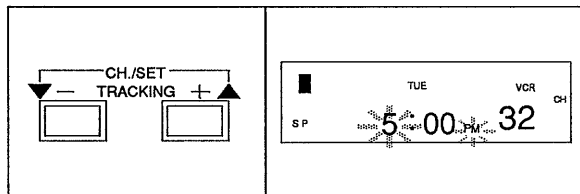
3

Press CLOCK SET button. The hours indicator flashes.



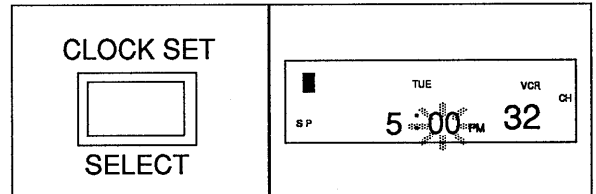
4

Press SET button ("+" or "-") repeatedly until the correct hour is indicated. (Example: 5,PM)



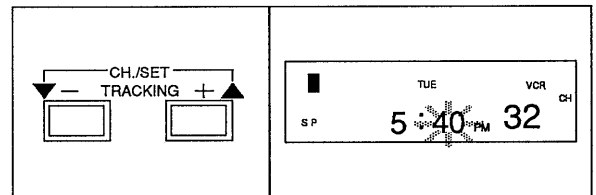
5

Press SELECT button. The minutes indicator flashes.



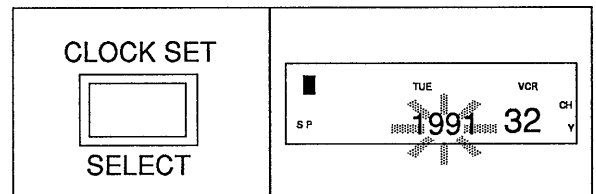
6

Press SET button ("+" or "-") repeatedly until the correct minute is indicated. (Example: 40)



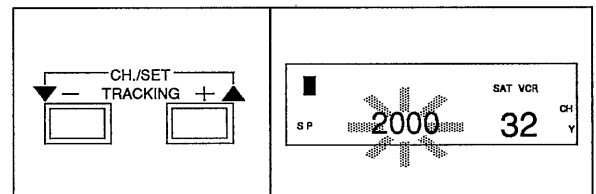
7

Press SELECT button. The year indicator flashes.



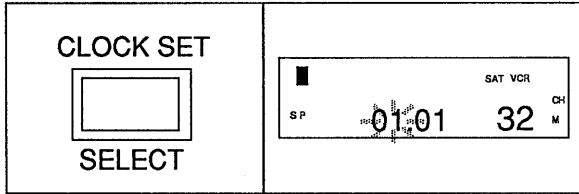
8

Press SET button ("+" or "-") repeatedly until the correct year is indicated. (Example: 2000)



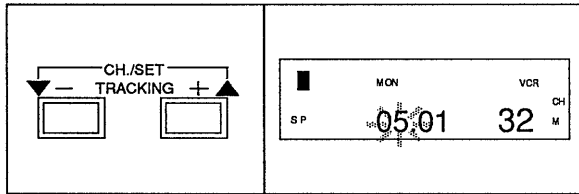
9

Press SELECT button. The month indicator flashes.



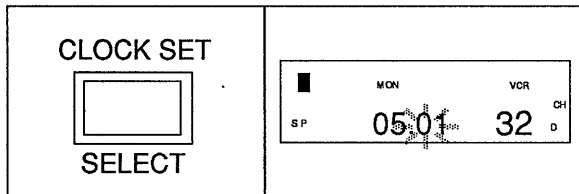
10

Press SET button ("+" or "-") repeatedly until the correct month is indicated. (Example: 05)



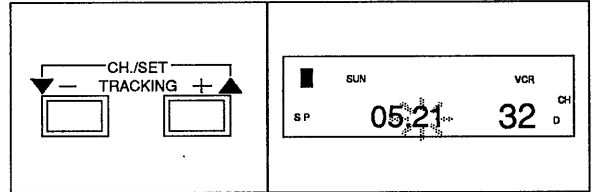
11

Press SELECT button. The day indicator flashes.



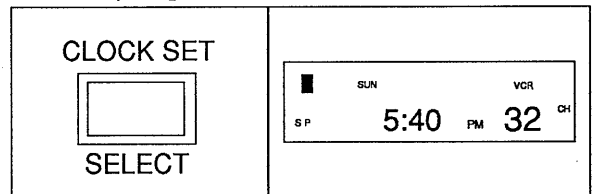
12

Press SET button ("+" or "-") repeatedly until the correct day is indicated. (Example: 21)
The day of the week will change automatically.



13

Press SELECT button to start the clock. Although seconds are not displayed, they begin counting at 00 when you press SELECT button.



Notes:

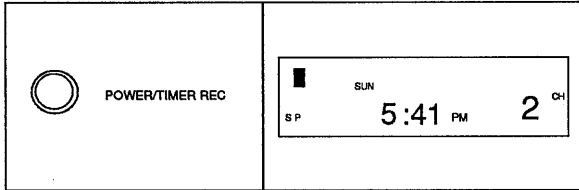
- ◆ When unplugging the AC-cord or power failure, "--:--" flashes on the display.
- ◆ If the display shows an abnormal reading or no reading, unplug the power cord for a few seconds. Then plug it back in.
- ◆ This unit has built in calendar up to 2005.

OPERATION

VIEWING AND RECORDING THE SAME PROGRAM

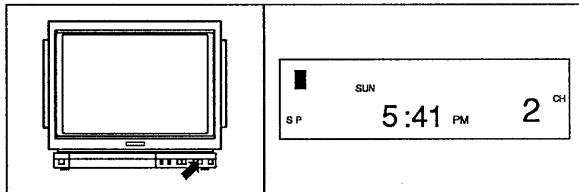
1

When "TIMER" is displayed, press **TIMER REC** button so that "TIMER" disappears.



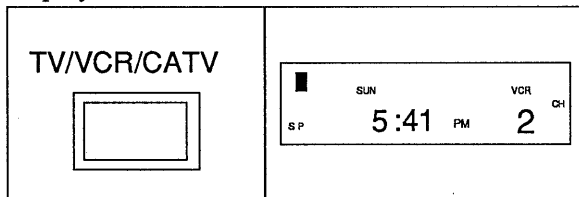
2

Turn on the TV and set the TV channel to the same channel as 3CH/4CH switch located on the back of the VCR. (CH3 or 4)



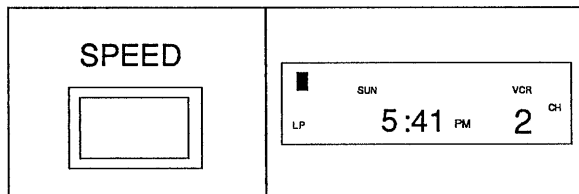
3

Press **TV/VCR/CATV** button on the remote control unit to select VCR so that VCR appears on the display.



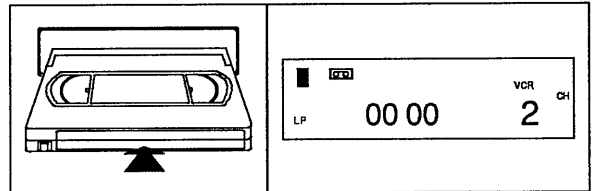
4

Press **SPEED** button to select the desired tape speed (SP-LP-SLP). (Example: LP)



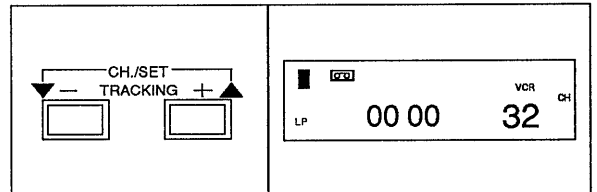
5

Insert a cassette with erasure prevention tab intact. When the tape is inserted, timer display will be changed to COUNTER mode.



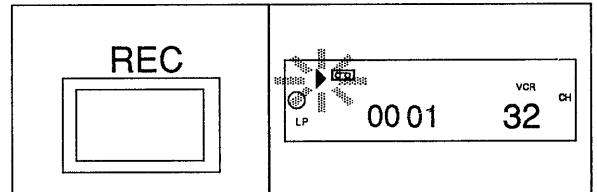
6

Select the program to be recorded with pressing the **CH. "▲" or "▼"** button.



7

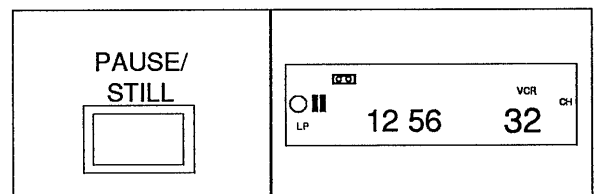
Press **REC** button. The red "O" indicator lights on the display.



To skip some materials while you are recording,

8

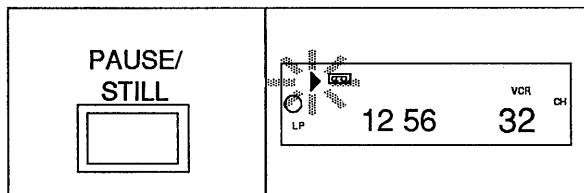
Press **PAUSE** button.



Note: To prevent tape damage, avoid leaving the VCR in the pause mode for more than five minutes. After five minutes, the VCR will automatically switch to the recording mode.

9

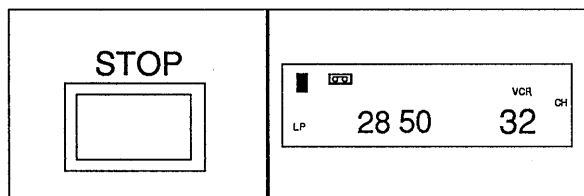
Press PAUSE button again to resume recording.



- ◆ Playback picture will be interrupted for a while with noise picture at used the pause on SLP recording.

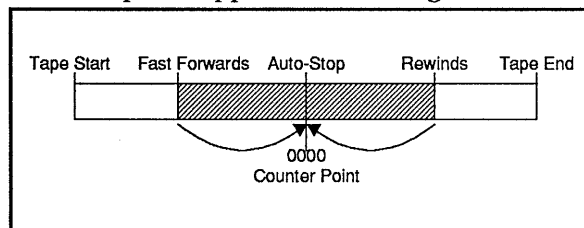
10

Press STOP button when recording is completed.



COUNTER MEMORY BUTTON

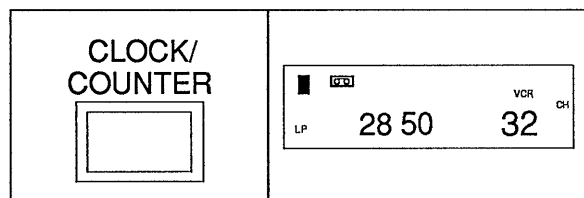
The MEMORY button can be used, during rewind, to automatically stop the tape when the counter reaches a preset approx.0000 reading.



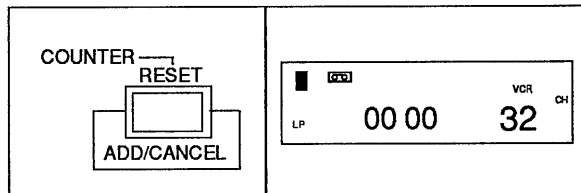
For example, this feature can be used to return the tape to a pre-selected position immediately after recording, or to repeatedly playback a certain portion of a tape.

1

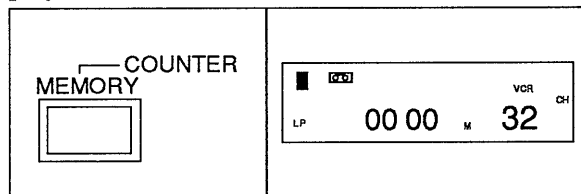
Before playback or recording press CLOCK/COUNTER button.

**2**

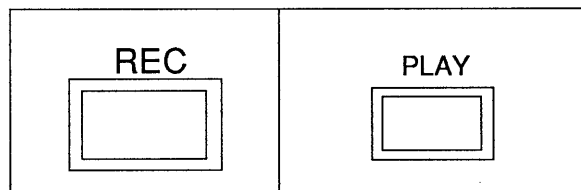
Press RESET button. The counter reset to 0000.

**3**

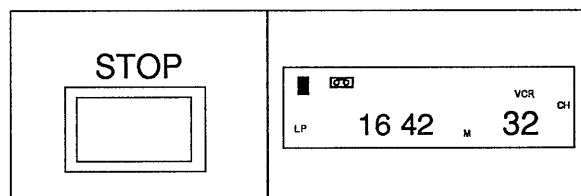
Press MEMORY button. "M" appears on the display.

**4**

Press REC or PLAY button.

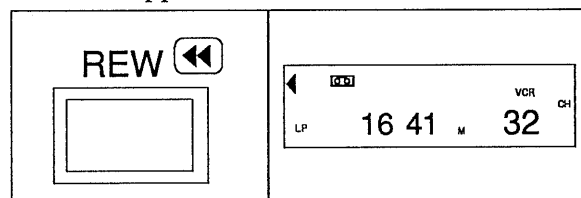
**5**

Press STOP button when recording or playback is completed.

**6**

Press REW button.

The tape will automatically stop when the counter returns to approx.0000.



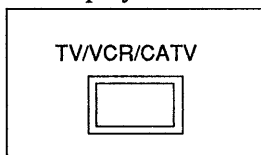
RECORDING ONE PROGRAM WHEN VIEWING ANOTHER

You can record program while viewing another, then playback the recorded program at your convenience.

To start the recording, follow steps [1] to [7] under "VIEWING AND RECORDING THE SAME PROGRAM" page 17.

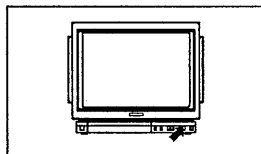
8

Press TV/VCR/CATV button on the remote control unit to select TV so that "VCR" disappears on the display.



9

Set the TV to the channel you want to watch.

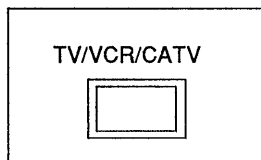


TO MONITOR RECORDING

To monitor the progress of your recording.

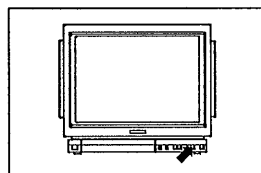
10

Press TV/VCR/CATV button on the remote control unit to select VCR so that "VCR" appears on the display.



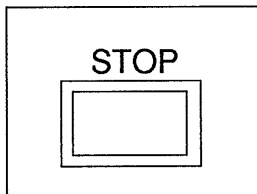
11

Turn on the TV and set the TV channel to the same channel as the 3CH/4CH switch located on the back of the VCR. (CH3 or 4)



12

Press STOP button when recording is completed.



AUTOMATIC TIMER RECORDING

You may set the VCR to start and end a recording while you are away. You can set eight events to record on a specific day, daily or weekly within a 1 year period.

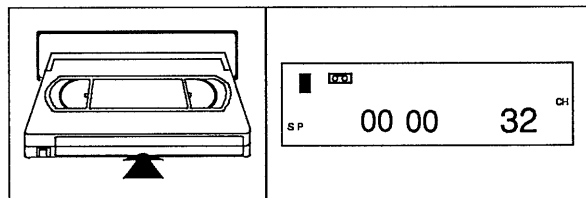
- ◆ Power must be switched on when setting the timer.
- ◆ Clock must be set to the correct time and date before setting the timer.

In the example below, the timer is being set to record channel 2 at the LP speed from 7:30AM to 8:50AM on Monday, 22nd May in 2000 in program number 1. The current time is 9:00PM on Sunday 21st May in 2000.

1

Insert a cassette tape with its safety tab in place, if necessary, rewind or fast forward the tape to the point at which you want to begin recording.

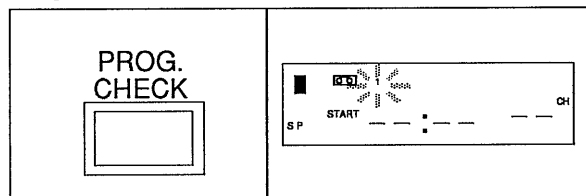
Timer display will be changed to COUNTER mode.



2

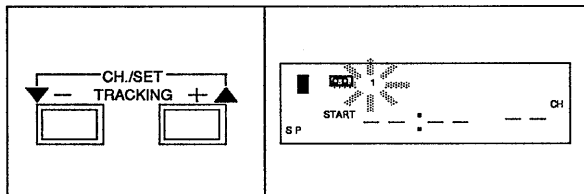
Press PROG. CHECK button.

Program numbers flashes.



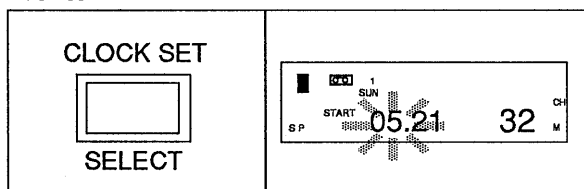
3

Press SET button ("+" or "-") repeatedly until desired program number is displayed.
(Example: program 1)



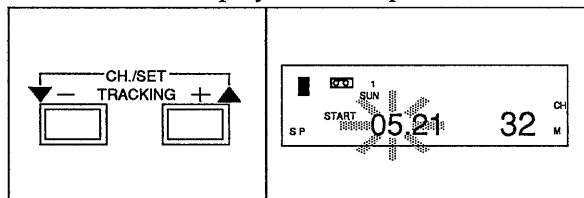
4

Press SELECT button. The month indicator flashes.



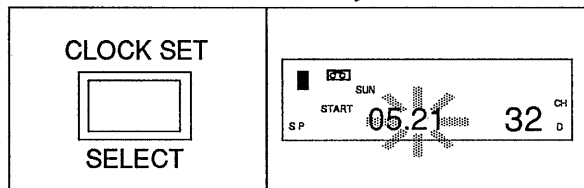
5

Press SET button ("+" or "-") repeatedly until desired month is displayed. (Example: 05)



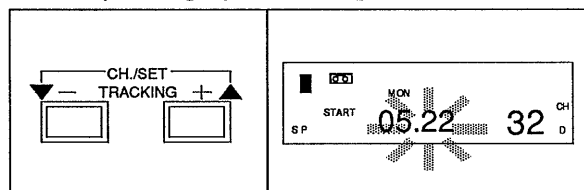
6

Press SELECT button. The day indicator flashes.



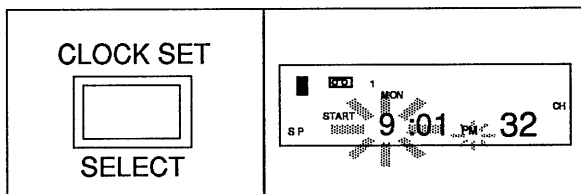
7

Press SET button ("+" or "-") repeatedly until desired day is displayed. (Example: 22)



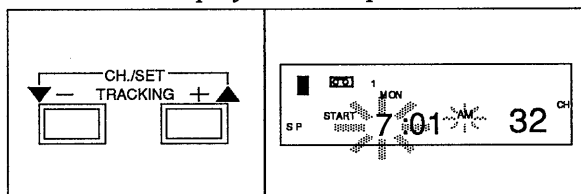
8

Press SELECT button. The START hours indicator flashes.



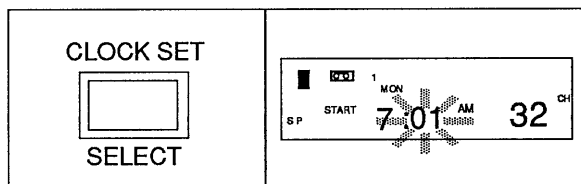
9

Press SET button ("+" or "-") repeatedly until desired hour is displayed. (Example: 7,AM)



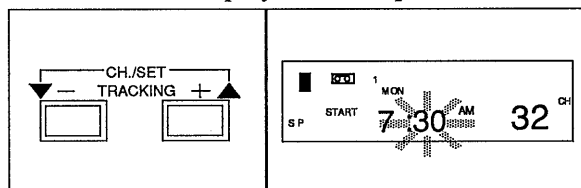
10

Press SELECT button. The START minutes indicator flashes.



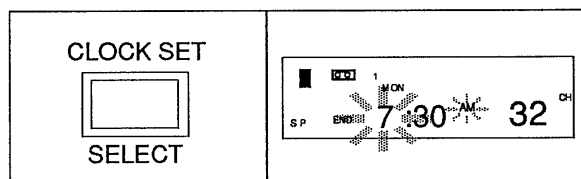
11

Press SET button ("+" or "-") repeatedly until desired minute is displayed. (Example: 30)



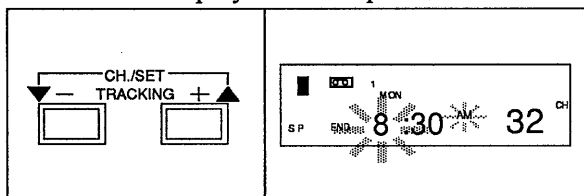
12

Press SELECT button. The END indicator illuminates and END hours indicator flashes.

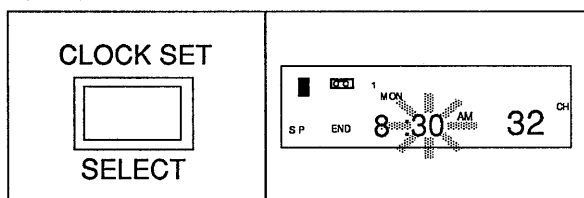


13

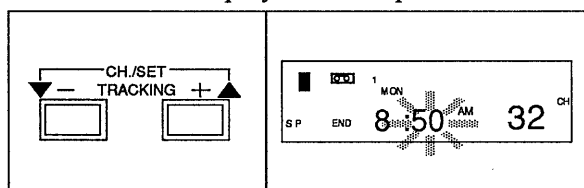
Press SET button ("+" or "-") repeatedly until desired hour is displayed. (Example: 8,AM)

**14**

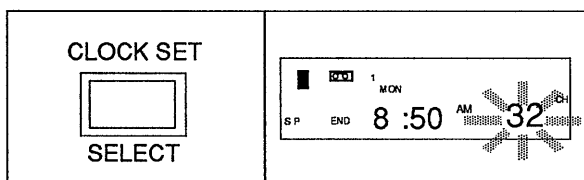
Press SELECT button. The END minutes indicator flashes.

**15**

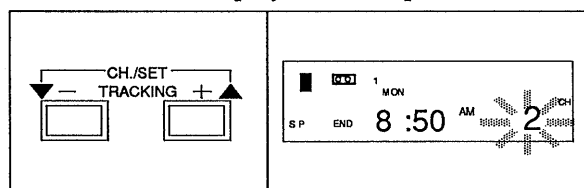
Press SET button ("+" or "-") repeatedly until desired minute is displayed. (Example: 50)

**16**

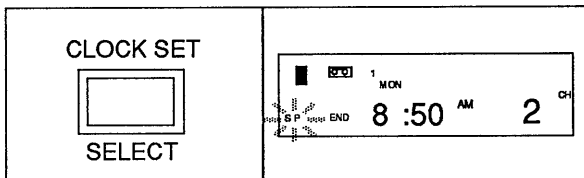
Press SELECT button. The channel indicator flashes.

**17**

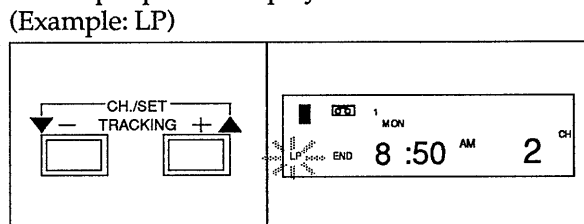
Press SET button ("+" or "-") repeatedly until desired channel is displayed. (Example: Channel 2)

**18**

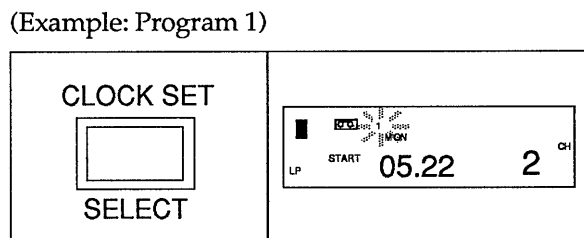
Press SELECT button. The tape speed indicator flashes.

**19**

Press SET button ("+" or "-") repeatedly until desired tape speed is displayed. (Example: LP)

**20**

Press SELECT button. The program number flashes.

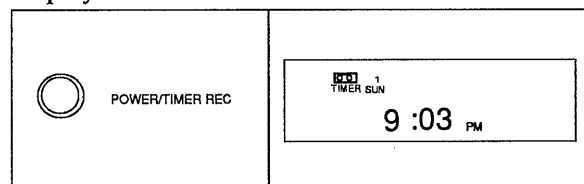


Now the program 1 is completed.

If you want to set another program, repeat steps [3] to [20].

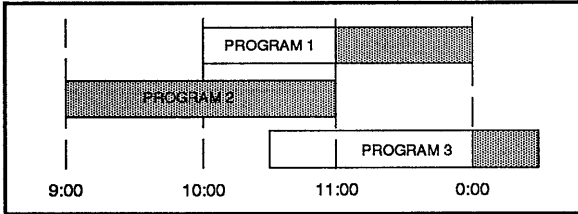
21

Press TIMER REC button to set automatic timer recording. The TIMER indicator lights up on the display. The number of all programmed events are displayed with current time.



To stop recording, press STOP button on the VCR.

Example: When the programs overlap, the earlier program has priority.



If you programmed as per the illustration the timer recording would be carried out as follows.

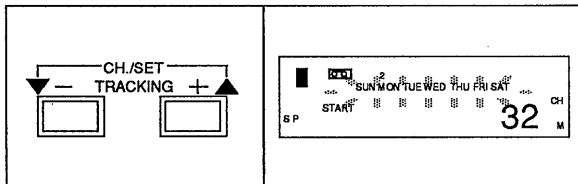
- 9:00 - 11:00 for PROGRAM 2
- 11:00 - 0:00 for PROGRAM 1
- 0:00 - for PROGRAM 3

DAILY PROGRAM

To record a program at the same time on the same channel every day, follow steps [1] to [4] on page 19~20, then step [5] below.

5

Press SET button ("+" or "-") repeatedly until all of the day indicators flash together.



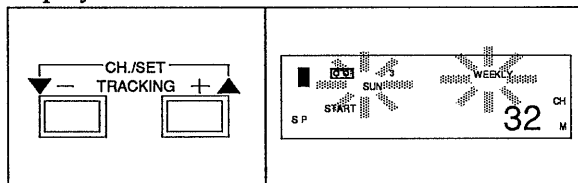
Continue with step [8] onwards.

WEEKLY PROGRAM

To record a program which is broadcast at the same time on the same channel every week, follow steps [1] to [4] on page 19~20, then step [5] below.

5

Press SET button repeatedly until "WEEKLY" and desired day of the week is illuminated on the display.



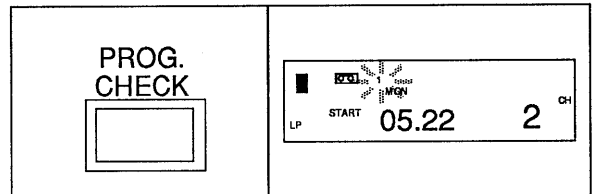
Continue with step [8] onwards.

TO CANCEL A PROGRAM

- ◆ Power must be ON.
- ◆ TIMER REC button must be in OFF so that TIMER indicator disappears.

1

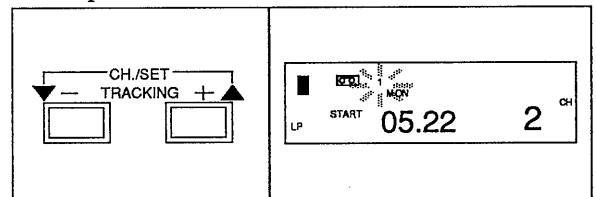
Press PROG.CHECK button.



2

Press SET button ("+" or "-") repeatedly until desired program number is displayed.

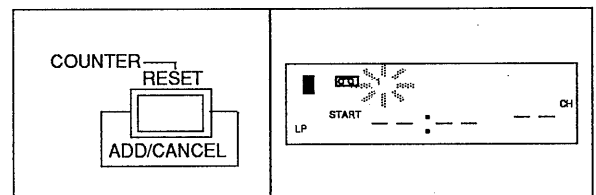
(Example: 1)



3

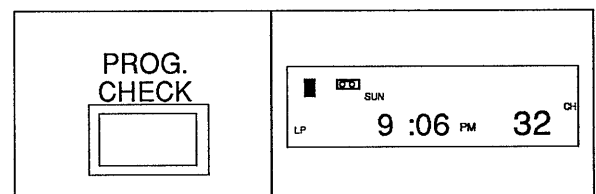
Press CANCEL button.

The selected program is erased.



4

Press PROG.CHECK button. The display returns to original mode.

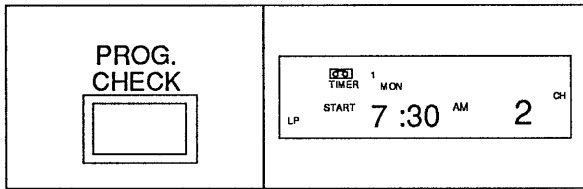


CHECKING THE START/END TIME

After setting the timer, you can confirm the program number, Start/End time and channel number.

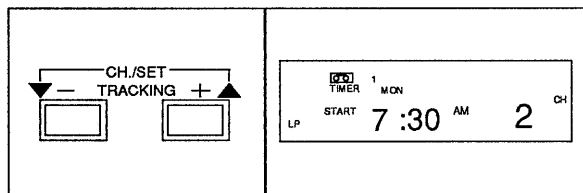
1

Press PROG. CHECK button.
Program numbers appear.



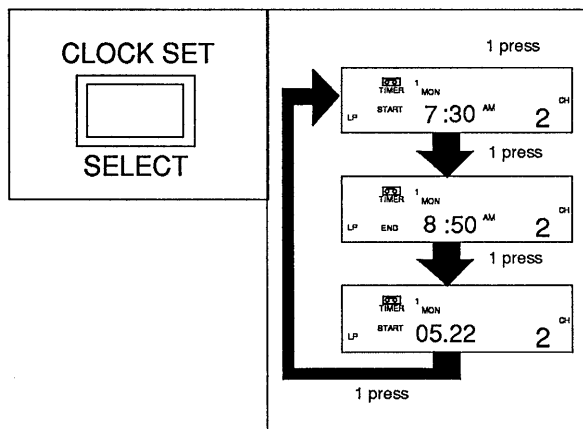
2

Press SET button ("+" or "-") repeatedly until desired program number is displayed.



3

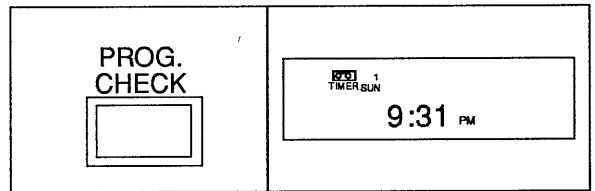
Press SELECT button.



Repeat step [2] and [3] for next program number.

4

Press PROG. CHECK button to return to current time display.



Notes:

- ◆ Once you have set the timer Start/End time and the TIMER REC button is on, the VCR will turn on, record, and turn off automatically at the set time.
- ◆ If the tape runs out before the end time, the VCR will switch to the stop mode immediately eject the tape and the VCR power will be shut off.

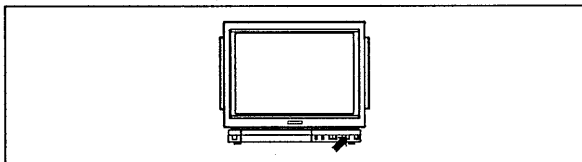
AUTOMATIC TIMER RECORDING HINTS

- ◆ If there a power failure or the VCR is unplugged for more than a few seconds, the clock setting and all timer settings are lost.
- ◆ If two timer programs overlap, the one that starts first has priority. When the first program ends, the VCR switches to record the remainder of the second program.
- ◆ If you are recording using the Programed Automatic Timer, you may not operate the unit manually, but, you may still stop the recording by pressing STOP button on the VCR.
Note: STOP button on the remote control unit will not function in this mode.
- ◆ If a tape is not loaded or the erase-protection tab is removed, the TIMER indicator flashes and automatic timer recording cannot occur. Press [POWER/TIMER REC] to stop the flashing. Then, load a tape that allows recording.

MONITORING DURING TIMER RECORDING

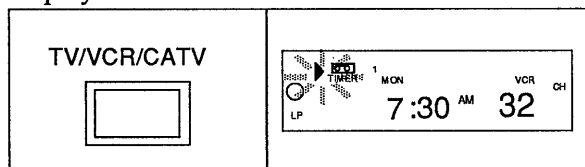
1

Turn on the TV and set the TV channel to the same channel as the 3CH/4CH switch located on the back of the VCR. (CH3 or 4)



2

Press TV/VCR/CATV button on remote control unit to select VCR so that VCR appears on the display.



The VCR will continue recording until the preset end time is reached or the tape runs out.

OTR (ONE TOUCH RECORDING)

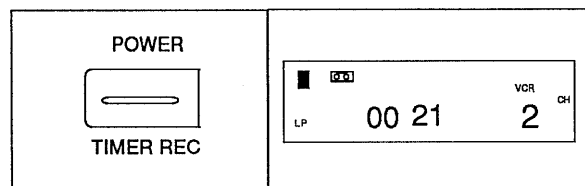
The One Touch Record function enables you to record a program simply by pressing OTR button on the VCR.

According to the table below, simply press OTR button as many times as needed to set the desired recording length. The channel number to be recorded and recording length will be shown in the display.

Note: This function cannot be operated on the remote control.

1

Press POWER/TIMER REC button to turn on the VCR.



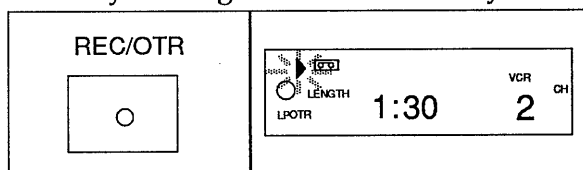
2

Press OTR button.

(Example: 4 pushes for 90 minutes)

Recording starts immediately when the OTR button is pressed, even if you are watching the same or different channel. The recording length can be determined by the number of times you press the OTR button.

Note: You can monitor the program being recorded by selecting the video channel on your TV.



Push(es)	DISPLAY	LENGTH
1push	NORMAL REC MODE	
2 pushes	0:30	30 minutes
3 pushes	1:00	60 minutes
4 pushes	1:30	90 minutes
5 pushes	2:00	120 minutes
6 pushes	2:30	150 minutes
7 pushes	3:00	180 minutes
8 pushes	3:30	210 minutes
9 pushes	4:00	240 minutes
10 pushes	4:30	270 minutes
11 pushes	5:00	300 minutes
12 pushes	5:30	330 minutes
13 pushes	6:00	360 minutes
14 pushes	6:30	390 minutes
15 pushes	7:00	420 minutes
16 pushes	7:30	450 minutes
17 pushes	8:00	480 minutes
18 pushes	NORMAL REC MODE	

The timer on display counts down as the recording progresses.

Notes:

- ◆ When you push OTR button, you will extend recording time by 30 minutes at a time up to 8-hours (or to the end of the tape).
- ◆ To stop the OTR operation, press STOP button.

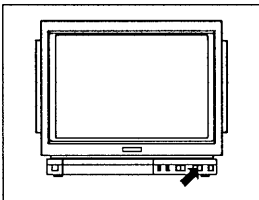
- ◆ When OTR button is pushed 18 times, the VCR will record continuously until the end of the tape.
- ◆ The recording length time counts down as the recording is started.
- ◆ Recording stops when 0:00 is reached.
- ◆ Please note that in the SLP (tape speed) mode maximum recording time, assuming the tape is started of the beginning, is 8 hours using T-160 (or 6 hours using T-120).
- ◆ When the OTR is used for recording, the unit cannot be operated manually.

PLAYBACK

Connect the VCR mains plug to a supply socket and switch the TV set on.

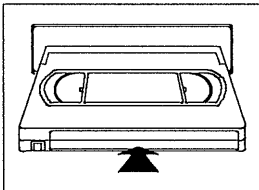
1

Turn on the TV and set the TV channel to the same channel as the 3CH/4CH switch located on the back of the VCR. (CH3 or 4)



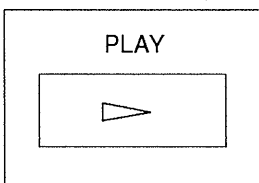
2

Insert a pre-recorded tape. The VCR will turn on automatically.



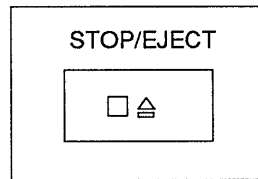
3

Press PLAY button. If inserted a cassette tape will out its safety tab in place VCR start playback automatically.



4

Press STOP button when playback is completed.



AUTO REWIND

When the end of a tape is reached during recording, playback, or fast-forward, the tape will automatically rewind to the beginning (or to the 0000 counter reading if the memory function is activated), eject, and the VCR turns off.

Notes:

- ◆ The tape will not auto-rewind during timer recording or One Touch Recording.
- ◆ When tape is rewound to the preset memory position, tape will not be ejected and VCR will not shut off.

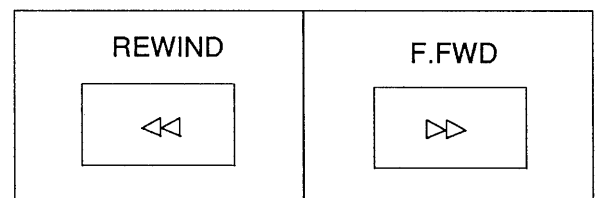
CUE AND REVIEW (VISUAL SEARCH)

You may view the video program at a high speed in either a forward or reverse direction. When in the play mode, press F.FWD button to view the tape at a fast speed in the forward direction. To view the tape at a fast speed in the reverse direction, press REWIND button. The sound will be muted.

This feature is useful in finding or skipping over a particular section of a tape. When you wish to view the tape in normal speed, simply press PLAY button.

Notes:

The picture will not be as good as normal playback during CUE and REVIEW.



SUPER HIGH SPEED SEARCH (LP/SLP MODE)

To Visual Search in super high speed press either F.FWD or REWIND button while the unit is in the play mode. Release button, then depress again and hold for approximately one second. The unit will now search in super high speed. For normal playback simply press PLAY button.

Note: Tape recorded in the LP,SLP mode will display a noise bar on the TV screen and the picture may revert to Black and White. This is normal.

STILL FRAME DURING PLAYBACK

If you press PAUSE button during playback with tapes recorded in EP (SLP) mode, the picture will "freeze" on the screen. You may use this feature to study details of a particular screen. Press PLAY button to continue playback.

Note: The VCR will automatically switch to the Stop mode, if it is left in the Pause mode for more than five minutes.

NOISE CANCELLING

If you use the PAUSE button to freeze the picture during playback with tapes recorded in EP(SLP) mode, usually there will be video "noise" lines on the screen. This is normal, however, this VCR has a special feature that allows you to reposition or reduce the lines. Each time you press PAUSE button the lines will change position on the screen. This enables you to see the picture in its entirety without distracting noise lines.

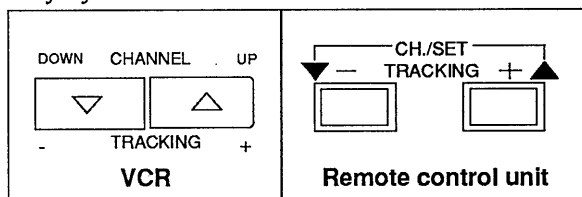
If the tape was originally recorded in SP or LP mode, the still picture will, in addition to the "noise bars", be black and white.

THIS IS NOT A FAULT OF THE MACHINE BUT MERELY A BY-PRODUCT OF THE TECHNOLOGY INVOLVED IN PRODUCING A VCR WITH LONG-PLAY MODE.

TRACKING ADJUSTMENT

When playing pre-recorded tapes or tapes recorded on units other than your own, noise lines (black and white streaks) may appear on the playback picture. If this occurs, adjust the TRACKING control by pressing TRACKING control button ("+" or "-") until the streaks disappear.

To set center position, press both "+" and "-" button at the same time. (This function is operative only by buttons on VCR.)

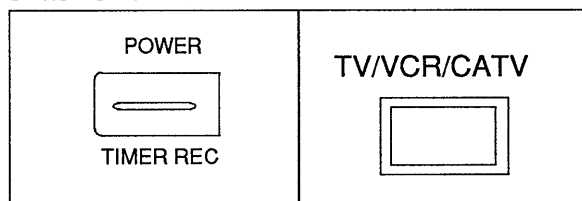


VIEWING ONLY TV (WITHOUT RECORDING)

- ◆ The VCR must be plugged into an AC outlet.
- ◆ VCR's power must be off.
- ◆ TV/VCR button must be set to TV when VCR's power is on.

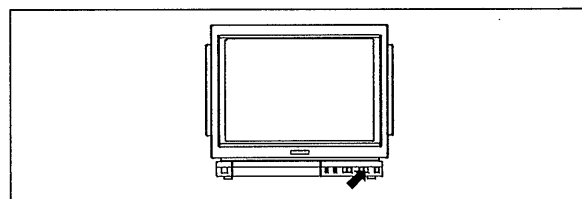
1

Turn VCR power off or press TV/VCR/CATV button on the remote control unit to select TV.



2

Turn on the TV and select the channel you want to watch.



DUBBING

The process of recording from one VCR to another is called dubbing.

- ◆ You can use VHF signals to make such recordings, but separate audio/video signals are preferred.
- ◆ Always use video-quality shielded cables with RCA-type connectors. **Do not use standard audio cables.**
- ◆ You can use a video disc player, satellite receiver, or other audio/video component with A/V outputs in place of the playback VCR.

Connections

Connect the VIDEO and AUDIO IN jacks of the editing(recording) VCR to the corresponding video and audio out jacks on the source(playing) VCR.

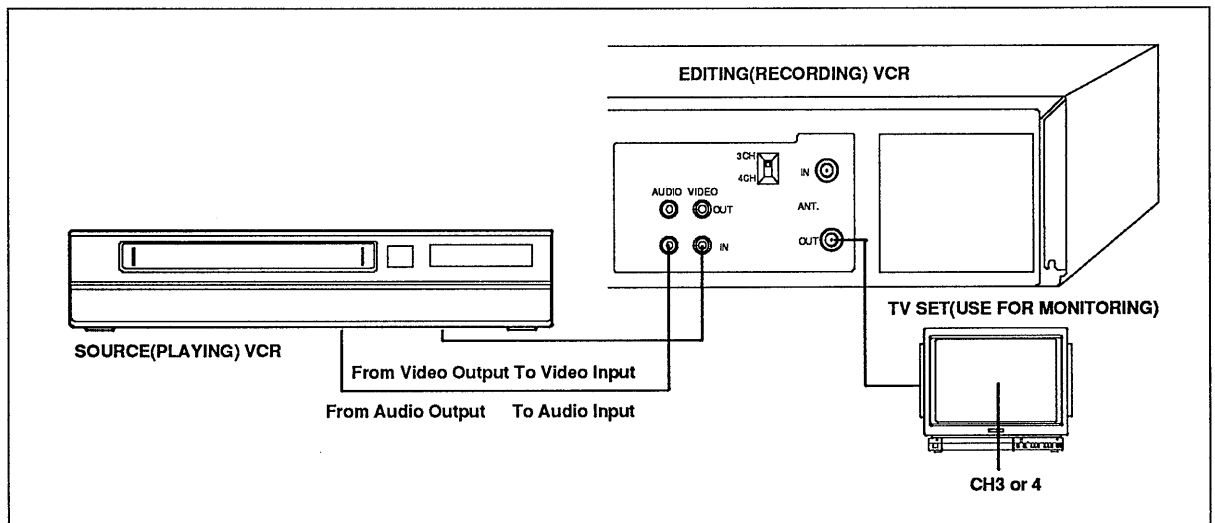
TO COPY A VIDEO CASSETTE

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 editing(recording) VCR cassette compartment.
3. If editing VCR has input selector switch, set the A/V mode.
4. Press [SPEED] to select the desired recording speed (SLP, LP or SP).
5. Press [REC] on the editing(recording) VCR.
6. Begin playback of the tape in the source(playing) VCR.

Note: For best results during dubbing, use the VCR's front panel controls whenever possible. The remote control might affect the playback VCR's operation.

TO MONITORING THE RECORDING

1. Turn on the TV connected to the the editing VCR, and set it to the same channel as the the editing VCR 3CH/4CH switch.
 2. Press [TV/VCR/CATV] on the editing VCR so that VCR appears on the display.
- Or, set your TV monitor to the video mode.



TROUBLESHOOTING GUIDE

If you have followed the instructions contained in this manual and have difficulty in operating your VCR, locate the SYMPTOM in the left column below. Check the corresponding POSSIBLE CAUSE and CORRECTIVE ACTION columns to remedy the problem.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
No power.	<ul style="list-style-type: none"> ◆ Power cord is not connected. ◆ POWER button is set to off. 	<ul style="list-style-type: none"> ◆ Connect power cord to AC outlet. ◆ Set the POWER button to on.
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 TIMER REC to on.
Rec mode cannot be engaged.	<ul style="list-style-type: none"> ◆ The record safety tab on cassette is missing. 	<ul style="list-style-type: none"> ◆ Place vinyl tape over missing safety tab.
No picture or poor picture on playback.	<ul style="list-style-type: none"> ◆ The TV channel selector is not set to the proper channel. ◆ The TV fine tuning is not set correctly. 	<ul style="list-style-type: none"> ◆ On playback, set the TV channel 3 or 4 for video channel. ◆ Fine tune your TV.
Noise in picture on playback.	<ul style="list-style-type: none"> ◆ Video head is dirty. 	<ul style="list-style-type: none"> ◆ Head cleaning is necessary, consult the nearest Funai Authorized Service Center.
No picture on TV.	<ul style="list-style-type: none"> ◆ TV/VCR button is TV mode. 	<ul style="list-style-type: none"> ◆ Press TV/VCR button again.
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.
On-the-air TV programs cannot be seen.	<ul style="list-style-type: none"> ◆ Connections are not correctly made. 	<ul style="list-style-type: none"> ◆ Re-check the ANT IN and ANT OUT connections.
No operation by infrared Remote Control.	<ul style="list-style-type: none"> ◆ Weak battery. 	<ul style="list-style-type: none"> ◆ Check the batteries of infrared Remote Control.

MAINTENANCE

CABINET CLEANING

- ◆ Wipe the front panel and other exterior surfaces of the 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 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 received is clear. This does not mean that the recorded program has been erased. Dirt accumulated on the head after long periods of use, or usage of rental or old tape causes this problem. In this case, head cleaning requires highly technical attention, therefore consult the nearest dealer. Clean heads only when problems occur.

SERVICING

- ◆ Should your 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 Funai Authorized Service Center for servicing.

SPECIFICATIONS

GENERAL SPECIFICATIONS

Television system	:NTSC, TV standard
Recording system	:Rotary two-head helical scan system
Tape width	:1/2inch (12.65mm)
Tape speed	
SP	:33.35mm/sec.
LP	:16.67mm/sec.
SLP	:11.12mm/sec.
Tuner channel	
VHF	:#2~#13
UHF	:#14~#69
Cable channel	:5A, A-5 ~ A-1, A ~ W+58
RF converter	:Built-in VHF converter
Converter output	:VHF Channel 3 or 4.
Timer indication	:AM/PM 12-hour system
Terminals	
Antenna input	:F type connector x 1
Antenna output	:F type connector x 1
Video input/output	:RCA connector x 2
Audio input/output	:RCA connector x 2

ELECTRICAL SPECIFICATIONS

Video output level	:1Vp-p
Video output impedanc	:75Ω
Audio output level	:-6dBv (1KHz)
Video input level	:0.5~2.0Vp-p
Audio input level	:-10dBv
Video S/N ratio	
SP	:More than 42dB
Audio S/N ratio	
SP	:More than 38dB

OTHER SPECIFICATIONS

Power requirement	:120V, 60Hz
Power consumption	:17 Watts
Dimensions	:360 (W) x 92 (H) x 282 (D) mm
Weight	:3.4Kg. (Approx.)
Accessories, included	:Remote control unit 2 "AA" Batteries :Owners Manual :Coaxial cable

- ◆ Designs and specifications are subject to change without notice.

CABLE CHANNEL DESIGNATIONS

This model is capable of receiving 99 cable channels. The channels are displayed as 1-99. Cable companies often designate the other channels with letters or letter-number combinations. Please check with your local cable company. The following is a chart of common cable channel designations.

CATV Channel	5A	2	3	4	5	6	7	8	9	10	11	12	13	A	B
VCR Display	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CATV Channel	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
VCR Display	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
CATV Channel	R	S	T	U	V	W	W+1	W+2	W+3	W+4	W+5	W+6	W+7	W+8	W+9
VCR Display	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
CATV Channel	W+10	W+11	W+12	W+13	W+14	W+15	W+16	W+17	W+18	W+19	W+20	W+21	W+22	W+23	W+24
VCR Display	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CATV Channel	W+25	W+26	W+27	W+28	W+29	W+30	W+31	W+32	W+33	W+34	W+35	W+36	W+37	W+38	W+39
VCR Display	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
CATV Channel	W+40	W+41	W+42	W+43	W+44	W+45	W+46	W+47	W+48	W+49	W+50	W+51	W+52	W+53	W+54
VCR Display	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
CATV Channel	W+55	W+56	W+57	W+58	A-5	A-4	A-3	A-2	A-1						
VCR Display	91	92	93	94	95	96	97	98	99						

FUNAI CORPORATION

LIMITED WARRANTY

FUNAI CORP. will repair this product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:

PARTS: FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Two (2) years for Picture Tube. Certain parts are excluded from this warranty.

LABOR: FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

LIMITS AND EXCLUSIONS:

This warranty is extended only to the original retail purchaser. A purchase receipt or other proof of original retail purchase will be required together with the product to obtain service under this warranty.

This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on FUNAI/SYMPHONIC product are altered, replaced, defaced or missing. This FUNAI CORPORATION Limited warranty does not apply to any FUNAI/SYMPHONIC product not purchased and used in the United States.

This warranty only covers failures due to defects in material or workmanship which occurs during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or product not supplied by FUNAI CORP., or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS.

FUNAI CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAI, ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTATIVES IN THE UNITED STATES.

ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY FUNAI AUTHORIZED SERVICE CENTER. THIS WARRANTY IS VALID WHEN THE UNIT IS CARRIED-IN TO FUNAI AUTHORIZED SERVICE FACILITY.

WHEN YOU ARE RETURNING THE PRODUCT FOR SERVICE TO FACTORY SERVICE CENTER, PLEASE CONTACT THE FUNAI SERVICE DEPARTMENT TO RECEIVE M.R.A. (MERCHANDISE RETURN AUTHORIZATION) NUMBER PRIOR TO SHIPPING. ANY POSTAGE, INSURANCE AND SHIPPING COST, INCURRED IN PRESENTING OR SENDING YOUR FUNAI/SYMPHONIC PRODUCT FOR SERVICE ARE SHIPPER'S RESPONSIBILITY.

CAREFULLY PACK WITH PROPER PACKING MATERIALS, PREFERABLY IN THE ORIGINAL CARTON.

ATTACH WRITTEN DOCUMENTATION DETAILING THE COMPLAINT, TO THE OUTSIDE OR INSIDE OF THE CARTON.

THE PRODUCT MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL RETAIL PURCHASE RECEIPT. IF NO PROOF OF PURCHASE IS ATTACHED, THE WARRANTY WILL NOT BE HONORED AND REPAIRS COSTS WILL BE CHARGED.

IMPORTANT:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. IF, AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

ATTENTION:

FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

For information of your nearest FUNAI Authorized Service Center or general service procedure, please call or write to the following:

FUNAI CORPORATION
Corporate Headquarters & Factory Service Center
Address :100 North Street Teterboro, NJ 07608
Tel :201-288-2666
(Eastern Time 9:00 AM - 4:30 PM)

