

Video Cassette Recorder

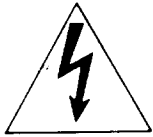
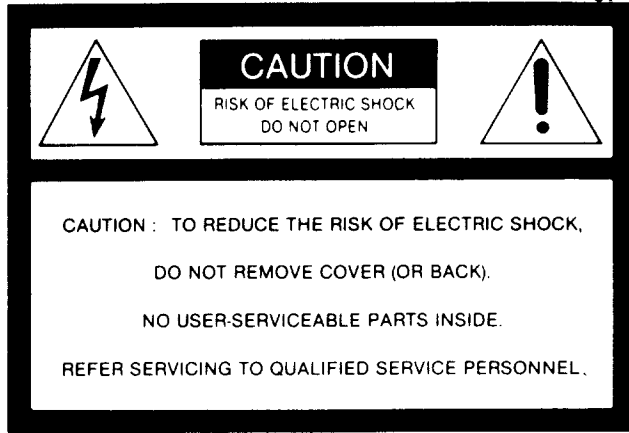
SLV-555UC

Operating Instructions



WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the U.S.A.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

Reorient the receiving antenna

Relocate the equipment with respect to the receiver

Move the equipment away from the receiver

Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

For the customers in Canada

This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

Owner's Record

The model number is located at the front.
The serial number is located on the top of the panel.
Record the serial number in the space provided right.
Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. SLV-555UC

Serial No. _____

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Precautions

On Safety

- Operate the unit only on 120V AC, 60Hz.
- Should anything fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Unplug the unit from the wall outlet if it will not be used for an extended period of time. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

On Installation

- Allow adequate air circulation to prevent internal heat build-up.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- The unit is designed for operation in a horizontal position. Do not install it in an inclined position.
- Keep the unit and cassette tapes away from equipment with strong magnets, such as microwave ovens or large loudspeakers.
- Do not place any heavy object on the unit.

On Operation

- When the unit is not in use, turn the power off to conserve energy and to extend the life of the unit.
- Remove and store video cassettes after recording or playback.
- Store the cassettes in their cases and keep them in an upright position to prevent intrusion of dust and uneven winding.

On Cleaning

- Clean the cabinet, panel and controls with a dry, soft cloth, or a soft cloth slightly moistened with a mild detergent solution.
- Do not use any type of solvent, such as alcohol or benzene, which might damage the finish.

On Repacking

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton.

If you have any questions about this unit, contact your Sony dealer or qualified technician.

How to Use This Manual

This manual is arranged to help you quickly find the information you need for the operation of the SLV-555UC. This manual consists of the following 4 sections.

- 1 Preliminaries
- 2 Preparation
- 3 Operation
- 4 Other Information

First, look through the Table of Contents. If you are already familiar with VCR operation, read starting from the "Preparations" section. If you are new to VCR operation, start with "Identifying the Operational Parts" to familiarize yourself with this unit. To have a quick overview of the operation of this unit, refer to "Playing a Tape" (page 28), "Recording TV Programs" (page 34), and "Timer Recording" (page 40).

Overview of the SLV-555UC

High-quality Picture

The SLV-555UC provides sharp, finely detailed pictures through High Quality picture technology. **HQ** The video cassette recorder (VCR) with this marking incorporates VHS high-quality picture technology and is compatible with any video cassette recorder bearing the **VHS** mark.

For editing

Input connectors located at the front allows you to connect a video camera recorder easily.

Control S input jack allow this VCR to be remotely controlled by other equipment involved in tape editing.

On-screen displays

AUTO MENU can be displayed to set the VCR to the desired automatic tape operation.

TIMER SET/CHECK menu can show all the timer recording settings on the TV screen.

Tape counter, tape speed, and remaining tape length are displayed.

Just before a timer recording starts, the date, time and channel of the program are recorded.

Convenient functions

With one push of the button, a selected tape transport operation can be started.

Auto tracking function automatically adjust the screen for a clear picture.

Full-loading mechanism quickly switches the tape transport operation.

You can preset recordings of 8 TV programs as much as one month in advance.

High-quality sound

This VCR automatically performs hi-fi recordings.

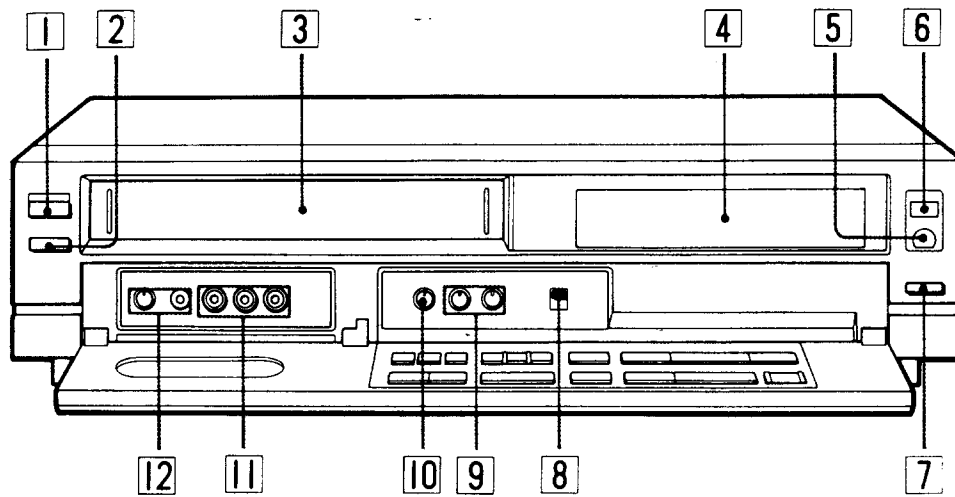
Dynamic range: More than 90 dB
Wow and flutter: Less than 0.005%
Audio frequency response: 20 — 20,000 Hz
Reproduces clear sound.

Before You Begin

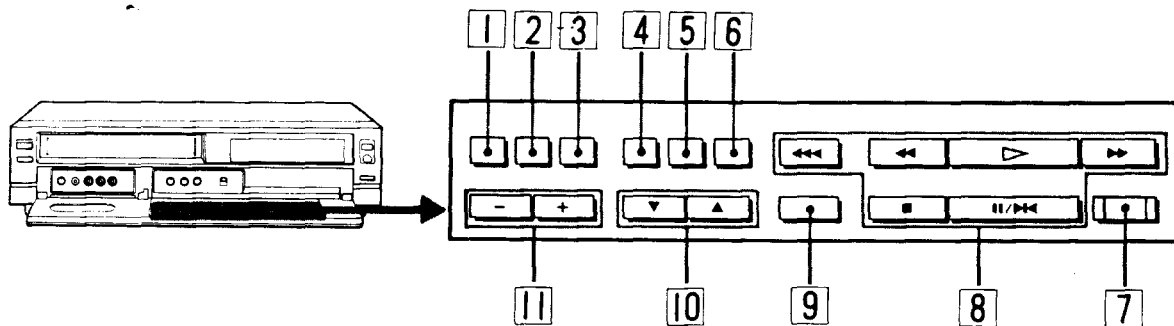
- 1 Check that the following accessories are in the carton with your unit:
 - Remote Commander RMT-V555A (1)
 - Size AA (R6) batteries (2)
 - External antenna connector (1)
 - 75-ohm coaxial cable with F-type connectors (1)
 - AC power cord (1)
 - Video connecting cable (1)
 - Audio connecting cable (1)
- 2 In the text of this manual, buttons and switches are shown in capital letters.

Press **PLAY**.
- 3 The buttons on the Commander and the unit with the same mark have the same functions.
- 4 Notes are enclosed in boxes.

Front



- 1 POWER switch and indicator**
Press to turn on and off the power of the VCR. The indicator lights when power is supplied.
- 2 EJECT button**
Press to eject a cassette.
- 3 Cassette compartment**
Insert a cassette.
- 4 Display window**
Various displays appear.
See "Indications in the Display Window." (page 57)
- 5 Remote sensor**
Point the supplied infrared Remote Commander RMT-V555A here.
- 6 Auto tracking indicator**
Blinks while the VCR is searching for the best tracking position.
Lights when the best position is obtained.
- 7 PUSH OPEN button**
Push to flip open the front panel.
- 8 COMMAND MODE switch**
To remotely control the VCR with the supplied wireless Commander, set this selector to the same position as that on the Commander.
Usually set to VTR 3.
- 9 REC LEVEL controls**
Adjust the audio recording level. Normally keep these controls at the center indented position.
- 10 SHARPNESS control**
Use to adjust the sharpness of the picture if necessary.
Normally set this control at the center indented position.
- 11 LINE IN 2 VIDEO/AUDIO jacks (phono type)**
Connect to the video/audio output of other VCR or video camera.
- 12 HEADPHONES jack (stereo mini type) and LEVEL (headphone level) control**
Connect headphones to this jack and adjust the sound level.

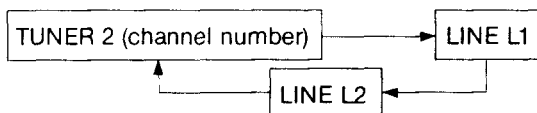


1 ANT TV/VTR button

Press so that the VTR indicator lights to watch a program selected on the unit. To watch one TV program while recording another, press this button again to turn off the indicator.

2 INPUT SELECT button

Press so that the desired input mode indicator appears in the display window to select the program to be recorded. The indicator changes as follows.



3 REC MODE button

Press to select the recording tape speed, SP or EP. The playback speed will be automatically detected regardless of the setting of this button.

4 EDIT button

Normally keep this button at OFF (i.e. the EDIT indicator is off). When using this VCR for editing, press this button to light the EDIT indicator.

5 TIMER REC ON/OFF button

When entering timer recording standby mode, press this button.
When changing or canceling a timer recording, or operating the unit before a timer recording starts, press this button to go out timer recording standby mode.

6 QUICK TIMER button

Press to start quick timer recording and to set the recording duration.

7 ● REC button

Press to start recording.

8 Tape transport buttons

◀ REW (rewind), ▷ PLAY, ▶▶ FF (fast-forward), ■ STOP, ||/▶▶ PAUSE/STILL, ◀◀ HIGH SPEED REWIND

9 AUTO TRACKING AUTO/MANUAL button

Use to change the manual tracking mode to automatic tracking mode.

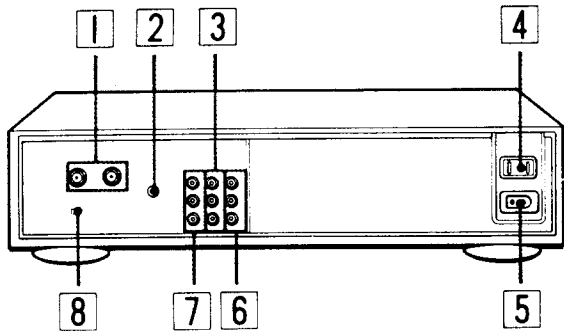
10 TRACKING NORMAL/SLOW and STILL ADJUST buttons

Press to clear streaks if they appear on the screen in the normal and slow playback. (Tracking normal/slow)
Press to reduce picture shaking in the still mode. (Still adjust)
Both functions are especially for tapes recorded on other VCRs.

11 CHANNEL +/- buttons

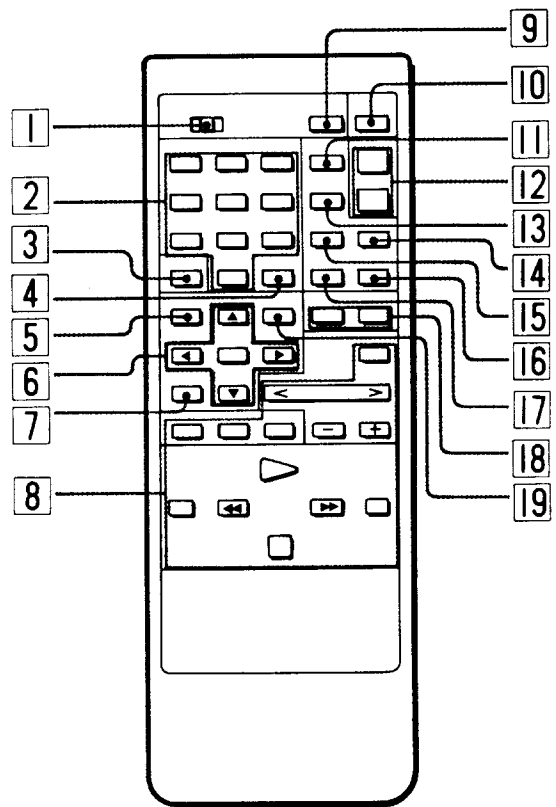
Press to select the channels. Press + to advance and - to reverse.

Rear Panel



- 1 **VHF/UHF IN and OUT connectors (F type)**
- 2 **CONTROL S IN jack (mini type)**
Connect to the CONTROL S output jack of other Sony product for systematic operations such as synchronized editing.
- 3 **LINE OUT AUDIO and VIDEO jacks (phono type)**
Connect to the LINE IN AUDIO and VIDEO jacks of other video equipments.
On-screen display cannot be output from these jacks.
- 4 **AC OUTLET (unswitched, max. 400W)**
Supplies AC power to video or audio equipment. Do not connect any equipment whose power consumption is more than 400W.
- 5 **AC IN**
Connect the supplied AC power cord.
- 6 **MONITOR OUT AUDIO and VIDEO jacks (phono type)**
Connect to the LINE IN jacks on a TV. The unit displays on-screen displays on the TV or monitor through this connection.
- 7 **LINE IN 1 AUDIO and VIDEO jacks (phono type)**
Connect to the LINE OUT AUDIO and VIDEO jacks of other video equipments.
- 8 **RF UNIT selector**
Use to select the channel for VCR playback, 3CH or 4 CH, whichever is not active in your area.

Remote Commander



- 1 **COMMAND MODE selector**
To remotely control the VCR with the Commander, set this selector to the same position as that on the unit. Usually set to VTR 3.
Change the position as shown below to control other Sony VCRs.
VTR 1: For Sony Betamax VCRs
VTR 2: For Sony 8mm format VCRs
VTR 3: For Sony VHS format VCRs
- 2 **Channel number buttons**
- 3 **TIMER CLEAR button**
Use to clear timer recordings.
- 4 **ENTER button**
Use to enter channel numbers.
For example, to select channel 10, press 1, 0 and ENTER.
- 5 **MENU button**
Press to enter the MENU mode. Press again to get out of the MENU mode.
- 6 **EXECUTE button and cursor shift buttons**
Used to preset items in the MENU display.
- 7 **FUNCTION MEMORY button**
Use to execute the type of tape operation selected in the FUNCTION MEMORY menu.

8 Tape transport buttons

■ PAUSE

● REC (press two buttons simultaneously.)

▶ SLOW (+ : to increase the speed,
- : to slower the speed)

< , > DIRECTION (Press to decide the direction of
PLAY, ×2 and SLOW. During still
mode, frame picture is available with
this button.)

×2 (double speed)

◀/▶ SEARCH (reverse/forward)

▶ PLAY

◀ REW (rewind)

▶ FF (fast-forward)

■ STOP

9 ANT TV/VTR (Antenna TV/VTR) button

When connecting the VCR and a TV via VHF antenna terminal, normally set this switch to VTR. When you wish to watch TV programs when the VCR is in use, set this switch to TV.

10 Power switch

11 INPUT SELECT button

Press to select the sources to be recorded.
The selected input mode indicator appears in the display window.

12 Channel + / - buttons

13 REC MODE button

Press to select the recording tape speed: SP or EP.
The playback speed will be automatically detected regardless of the setting of this button.

14 INDEX button

Use to enter the index function mode.

15 DATA SCREEN button

Press to turn on and off the on-screen display.

16 COUNTER RESET button

Press to reset the counter number to 0H00M00S.

17 AUDIO MONITOR button

Use to select the monitor sound.

18 INDEX MARK/ERASE buttons

Press MARK to mark an index signal at the desired point on a tape during recording or playback. To erase a previously recorded index signal, locate the index signal and press ERASE.

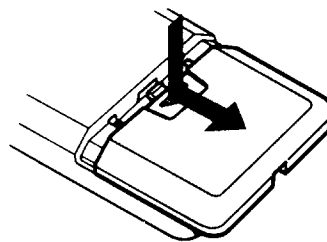
19 TIMER REC ON/OFF button

Press this button to enter timer recording standby mode.

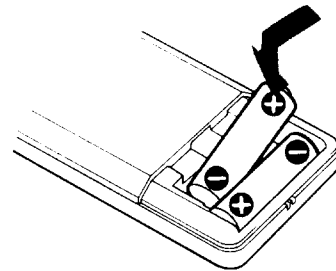
To change or cancel a timer recording, or to operate the unit before a timer recording starts, press this button to go out of timer recording standby mode.

Battery insertion

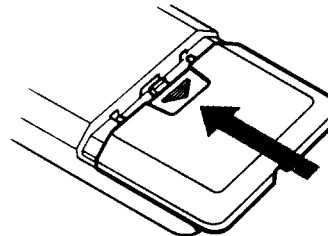
1 Open the lid.



2 Insert two size AA (IEC designation on R6) batteries with the polarity lined up correctly.



3 Close the lid.



Notes on the handling of batteries

- With normal operation, the batteries will last for approximately 6 months.
- If the Commander will not be used for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Connections

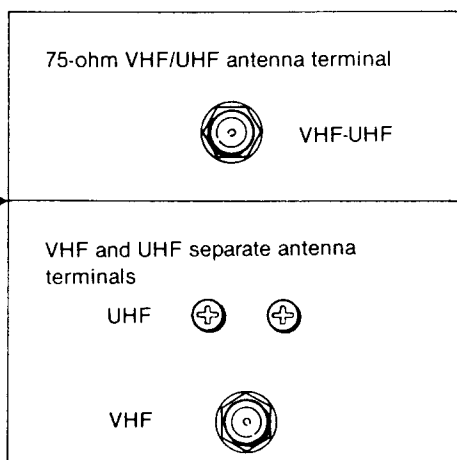
In order to watch the playback picture on the TV screen and receive TV programs on this VCR, this VCR and the TV receiver must be connected properly. The connection between the two units varies depending upon the type of TV receiver and antenna that you have. We will show you here some typical ways you can make this connection with the supplied accessories. Before operating the unit, read through this section and make the correct connections.

Before You Begin

- Turn off the power to the VCR and the TV.
- Disconnect the AC power cord of the VCR and the TV from the wall outlet.
- Do not connect the AC power cords until all of the connections are completed.
- **If your TV does not match the three examples below** Consult your nearest Sony dealer or qualified technician.

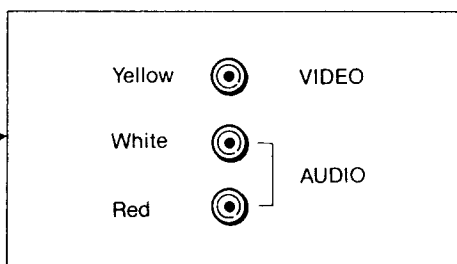
First Check Your TV

Check the antenna terminals on your TV



Read through "Connecting Examples 1 to 5."

If your TV has video and audio input jacks



You can enjoy a better quality picture. Read through "Connecting Example 6."

If you have an stereo audio system

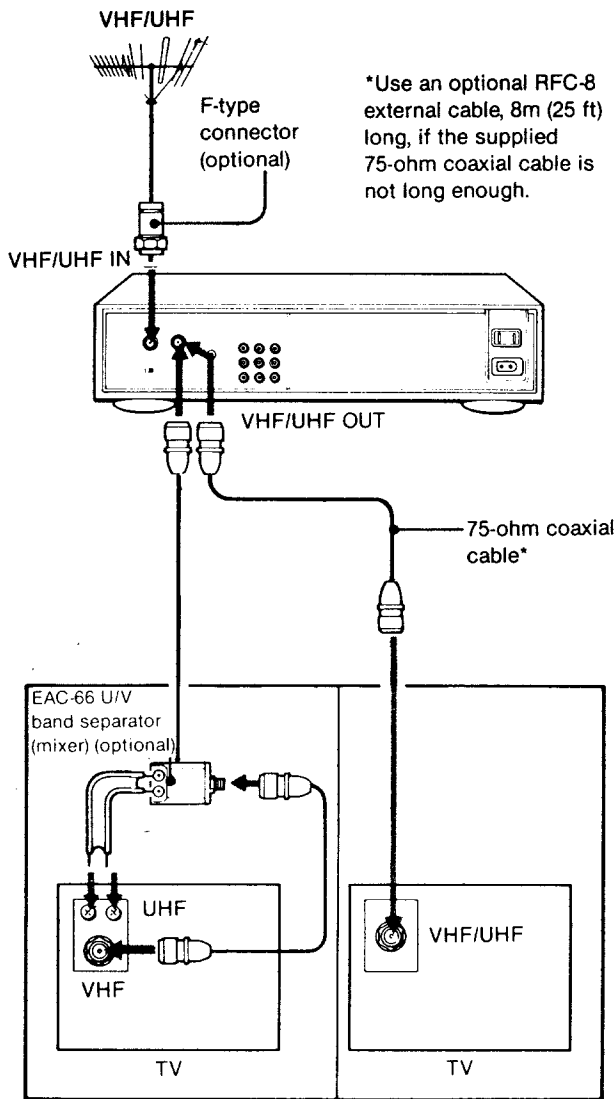
You can enjoy a better quality sound by connecting the VCR to the audio system. Read through "Connecting Example 7."

Caution

Connections between the recorder VHF/UHF OUT connector and the antenna terminals of a TV receiver should be made only as shown in the instructions. Failure to do so may result in operation that violates the regulations of the Federal Communications

Commission regarding the use and operation of rf devices. Never connect the output of the recorder to an antenna or make simultaneous (parallel) antenna and recorder connections at the antenna terminals of your receiver.

**Connecting Example 1
To Connect a Combination VHF/UHF Antenna**



1 Disconnect the TV antenna cable from the TV receiver, and connect it to the VCR.

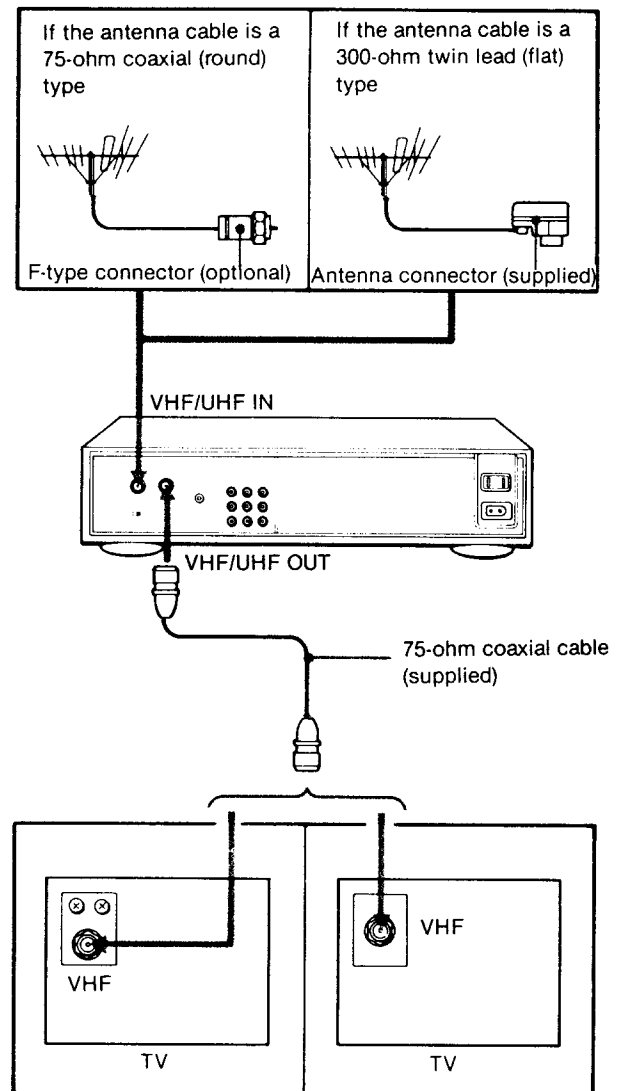
2 Connect the VCR and the TV.

TV with a single terminal for the VHF/UHF antenna
Connect directly using the supplied 75-ohm coaxial cable.

TV with separate VHF/UHF antenna terminals
Use a U/V band separator.

How to attach the U/V band separator and the F-type connector
See page 15.

**Connecting Example 2
To Connect a VHF Antenna Only**



1 Disconnect the TV antenna cable from the TV and connect it to the VCR.

If the antenna cable is a 75-ohm coaxial (round) type
Use an F-type connector (optional)

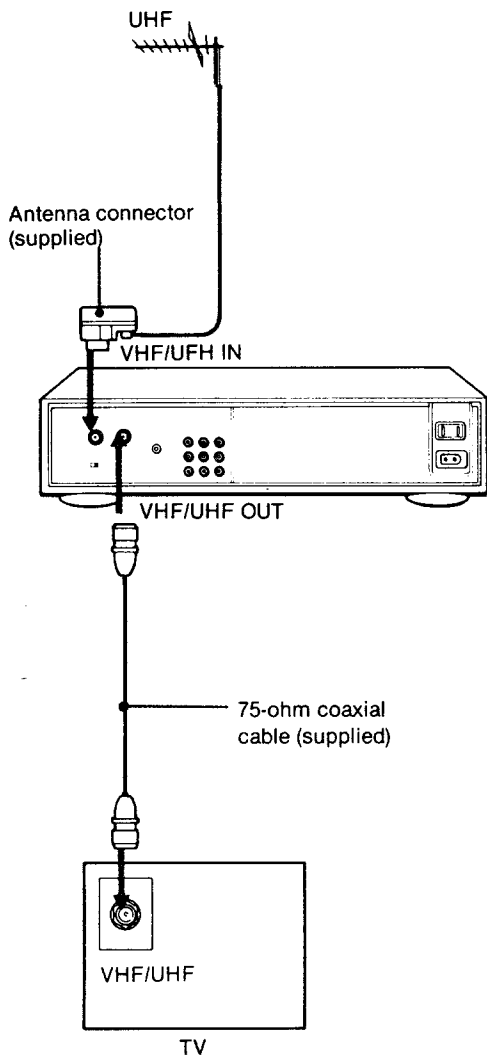
If the antenna cable is a 300-ohm twin lead (flat) type
Use the antenna connector (supplied)

2 Connect the VHF/UHF OUT terminal on the VCR and the VHF IN terminal on the TV with the 75-ohm coaxial cable (supplied).

How to attach the antenna connector and an F-type connector
See page 15.

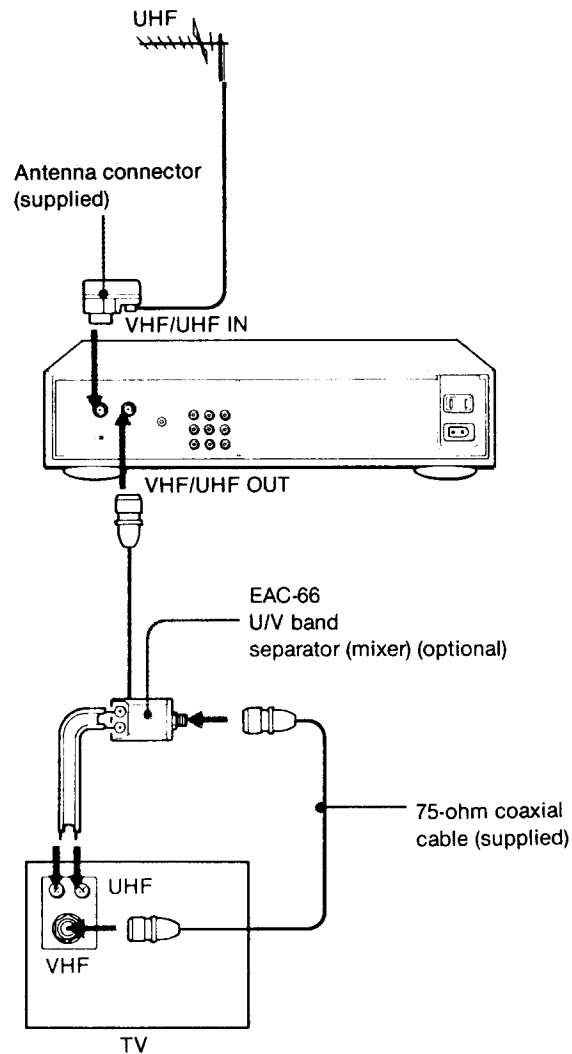
**Connecting Example 3
To Connect a UHF Antenna Only**

A The VHF/UHF antenna terminal on the TV is combined



- 1 Attach the supplied antenna connector to the cable.
- 2 Attach the antenna connector to VHF/UHF IN on the VCR.
- 3 Connect VHF/UHF OUT on the VCR and the VHF/UHF antenna terminal on the TV.

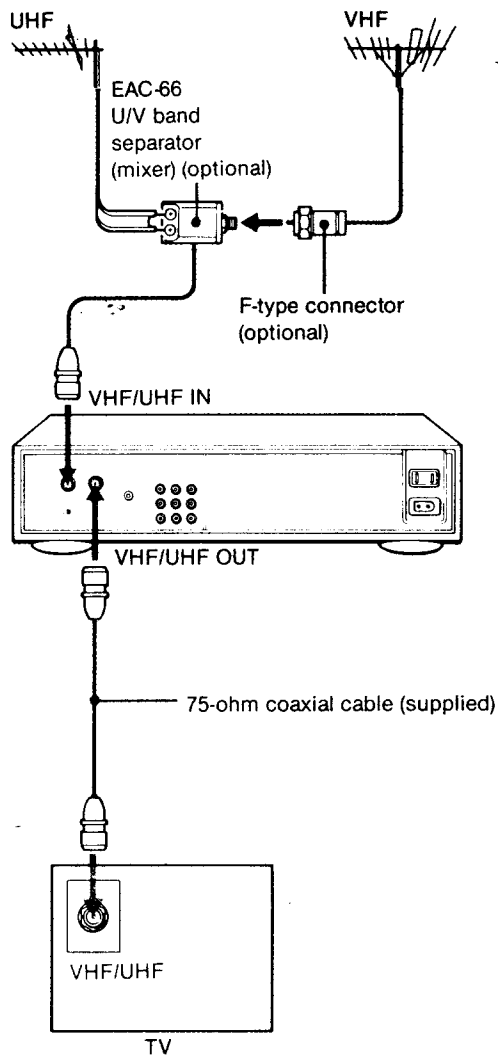
B The VHF/UHF antenna terminals on the TV are separated



- 1 Attach the supplied antenna connector to the cable.
- 2 Attach the antenna connector to the VHF/UHF IN on the VCR.
- 3 Attach an optional EAC-66 U/V band separator to the VHF/UHF OUT connector on the VCR.
- 4 Connect the separator to the VHF and UHF antenna terminal on the TV.

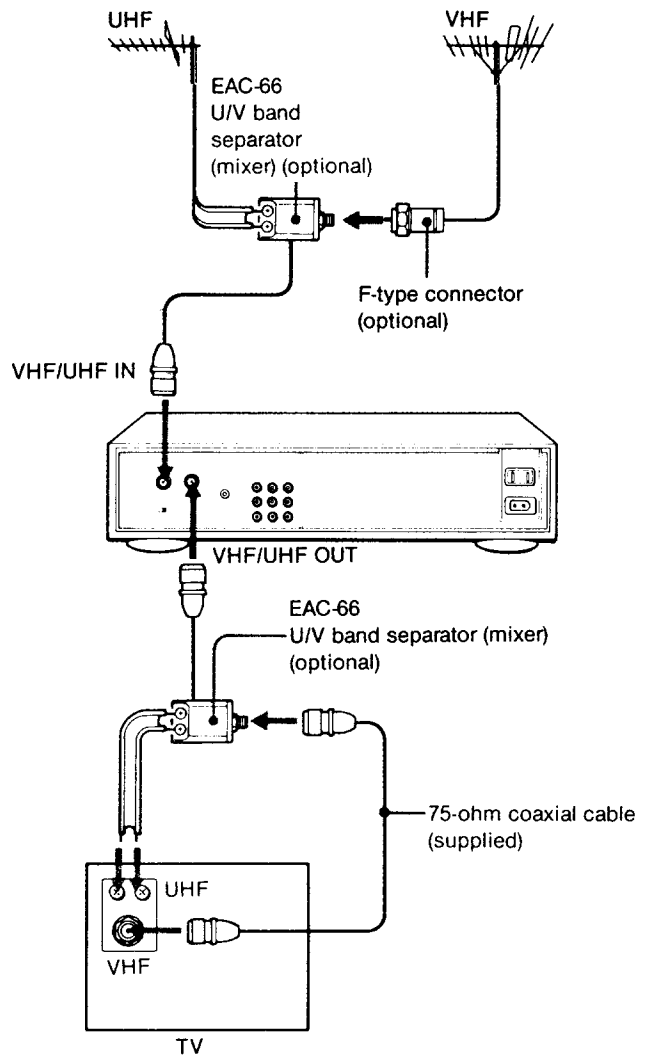
How to attach the antenna connector and the U/V band separator
See page 15.

A If the VHF/UHF antenna terminal on the TV is combined



- 1 Attach a U/V band separator with the VHF and UHF antennas to VHF/UHF IN terminal on the VCR.
- 2 Connect the VHF/UHF OUT terminal on the VCR and the VHF/UHF antenna terminal on the TV.

B If the VHF/UHF antenna terminals on the TV are separated



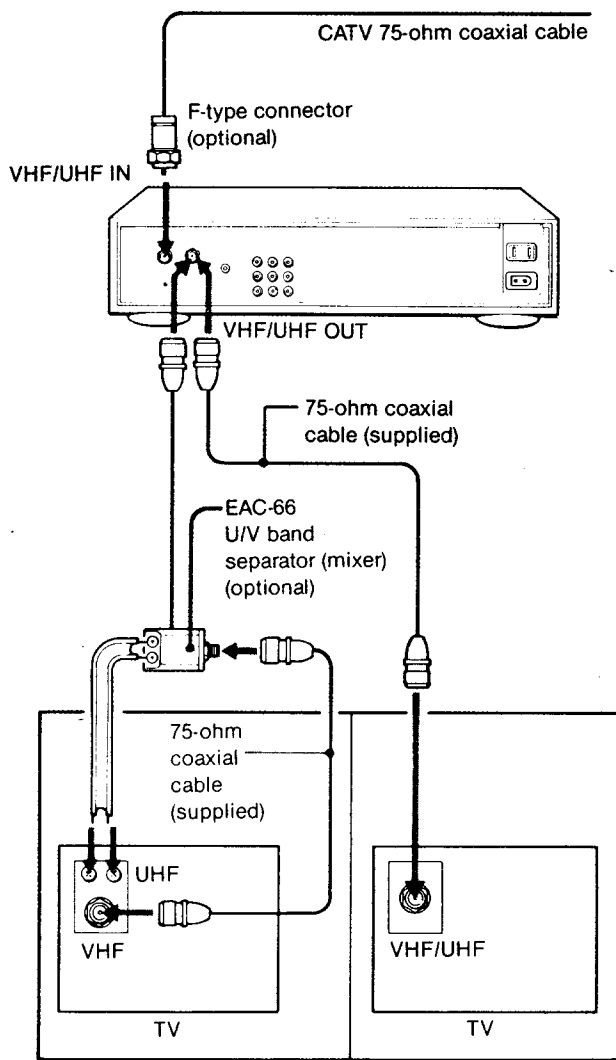
- 1 Attach an optional U/V band separator with the VHF and UHF antennas to the VHF/UHF IN terminal on the VCR.
- 2 Attach an optional U/V band separator to the VHF/UHF OUT connector on the VCR.
- 3 Connect the separator to the VHF and UHF antenna terminals on the TV.

How to attach a U/V band separator and an F-type connector

See page 15.

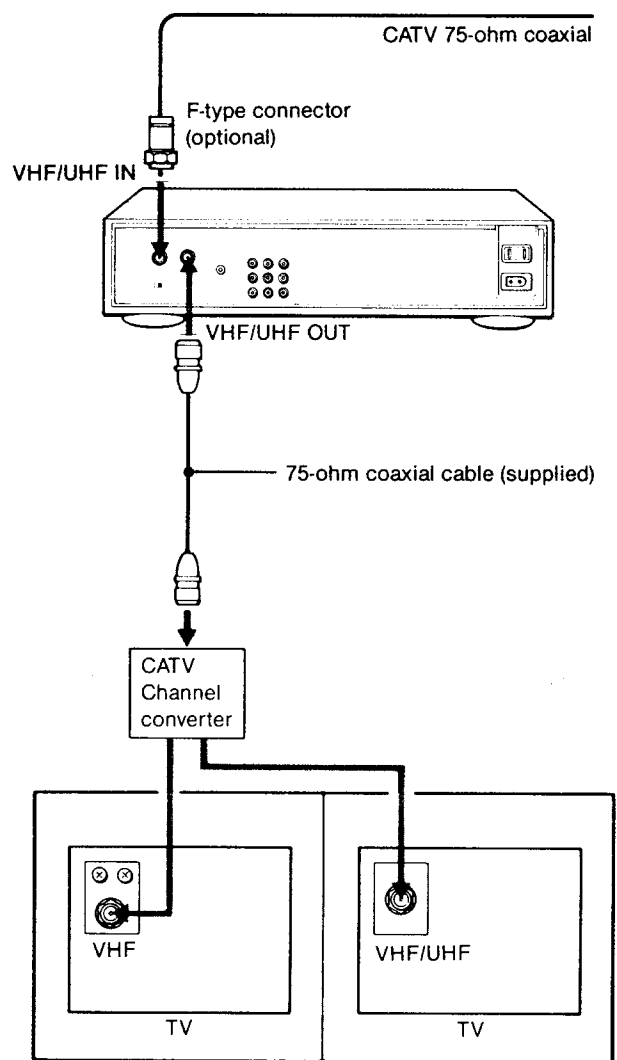
**Connecting Example 5
To Connect a Cable-TV System**

A If your TV set has a built in a CATV decoder



A connecting example is given above, but we recommend you to consult your cable company to make sure that the cable is properly connected.

B If your TV set does not have a built-in CATV decoder



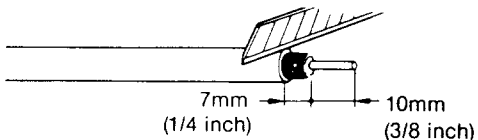
Connect the cable TV channel converter between the TV and the VCR. By setting the TV/VTR switch to TV, you can watch a cable TV program while playing back or recording video sources using the VIDEO LINE IN jack on the VCR.

Note to CATV system installer in the U.S.A

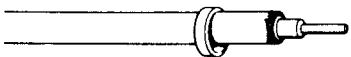
This reminder is provided to call the cable TV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Attaching an F-type connector

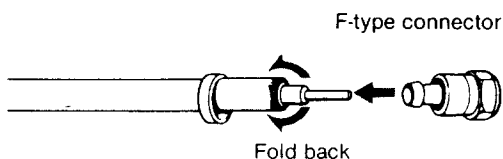
- 1 Strip 1/4 inch from the end of the cable so that 3/8 inch of the center conductor is exposed.



- 2 Slip the crimping ring over the cable.

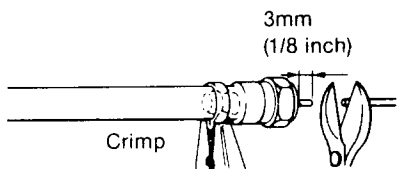


- 3 Insert the inner conductor into the F-type connector shaft and push the end of the cable into the connector as far as it will go.

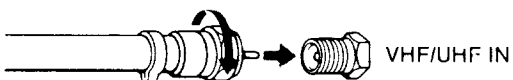


- 4 Slide the crimping ring over this assembly.

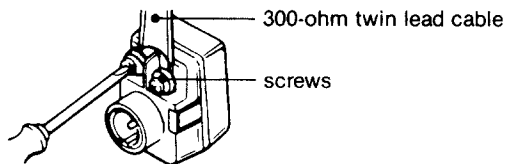
Then pinch the crimping ring with pliers to hold the connection in place.



- 5 Insert the F-type connector into VHF/UHF IN on the VCR.

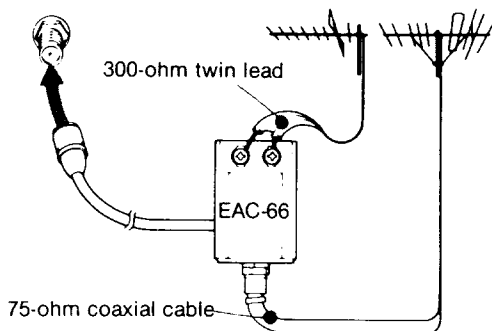


Attaching an external antenna connector



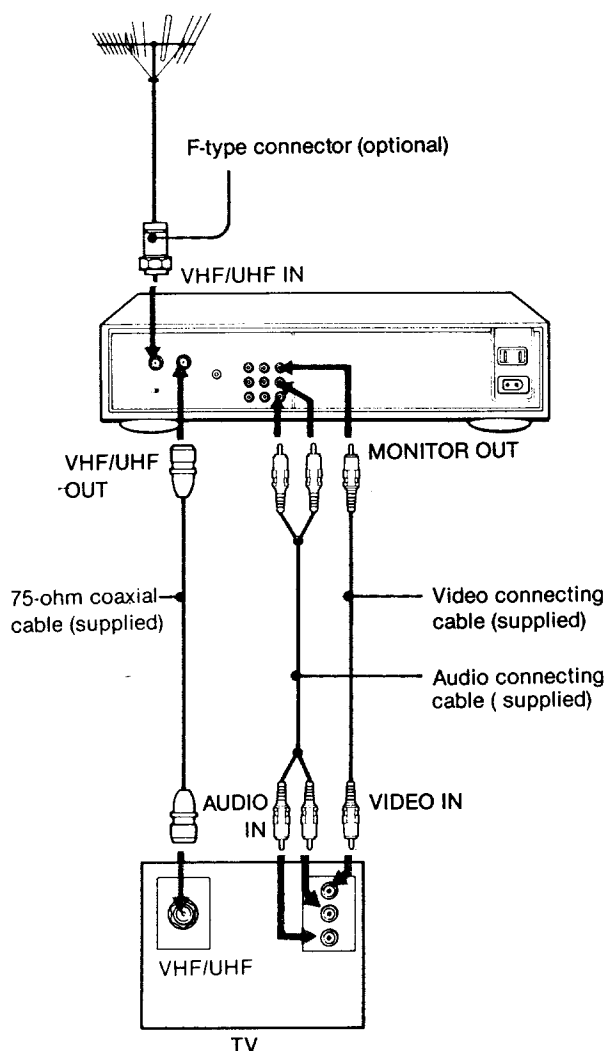
- 1 Loosen the screws on the antenna connector.
- 2 Fit the 300-ohm twin lead cable on the UHF antenna under the screws on antenna connector.
- 3 Tighten the screws again.

Attaching an EAC-66 U/V band separator(mixer) (optional)



- 1 Loosen the screws on the U/V band separator.
- 2 Fit the 300-ohm twin lead cable on the UHF antenna under the screws.
- 3 Connect the 75-ohm coaxial cable to the U/V band separator.
- 4 Connect the U/V band separator to the VHF/UHF IN terminal on the VCR.

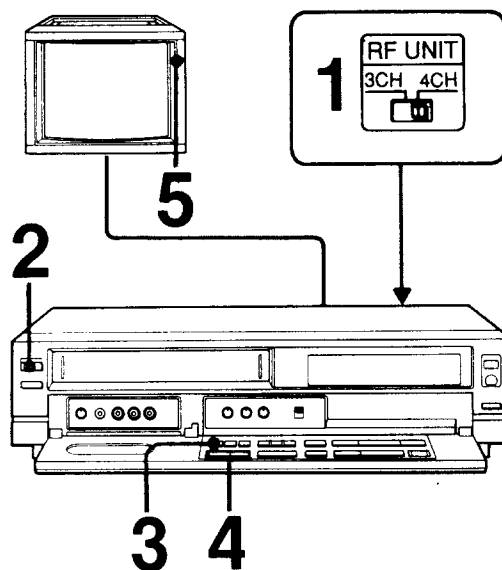
**Connecting Example 6
To Connect a TV Equipped With Video/Audio
Input Jacks**



For a high-quality picture, connect a color monitor or a TV equipped with video/audio input jacks.

- 1 Connect the VHF/UHF antenna to VHF/UHF IN terminal on the VCR.
- 2 Connect VHF/UHF OUT connector on the VCR and the VHF/UHF IN terminal on the TV with the supplied 75-ohm coaxial cable.
- 3 Connect MONITOR OUT jacks on the VCR and the video/audio input jacks on the TV with the video connecting cable and audio connecting cable.

Setting the RF Unit



Why the setting is necessary

Your TV must receive the signal from your VCR. To get the proper RF signal, set the RF UNIT selector switch on the rear panel of the VCR. If channel 4 is active in your area, set the switch to channel 3, and vice versa.

If you connect a color monitor or a TV equipped with video/audio input jacks, you do not need to make this adjustment.

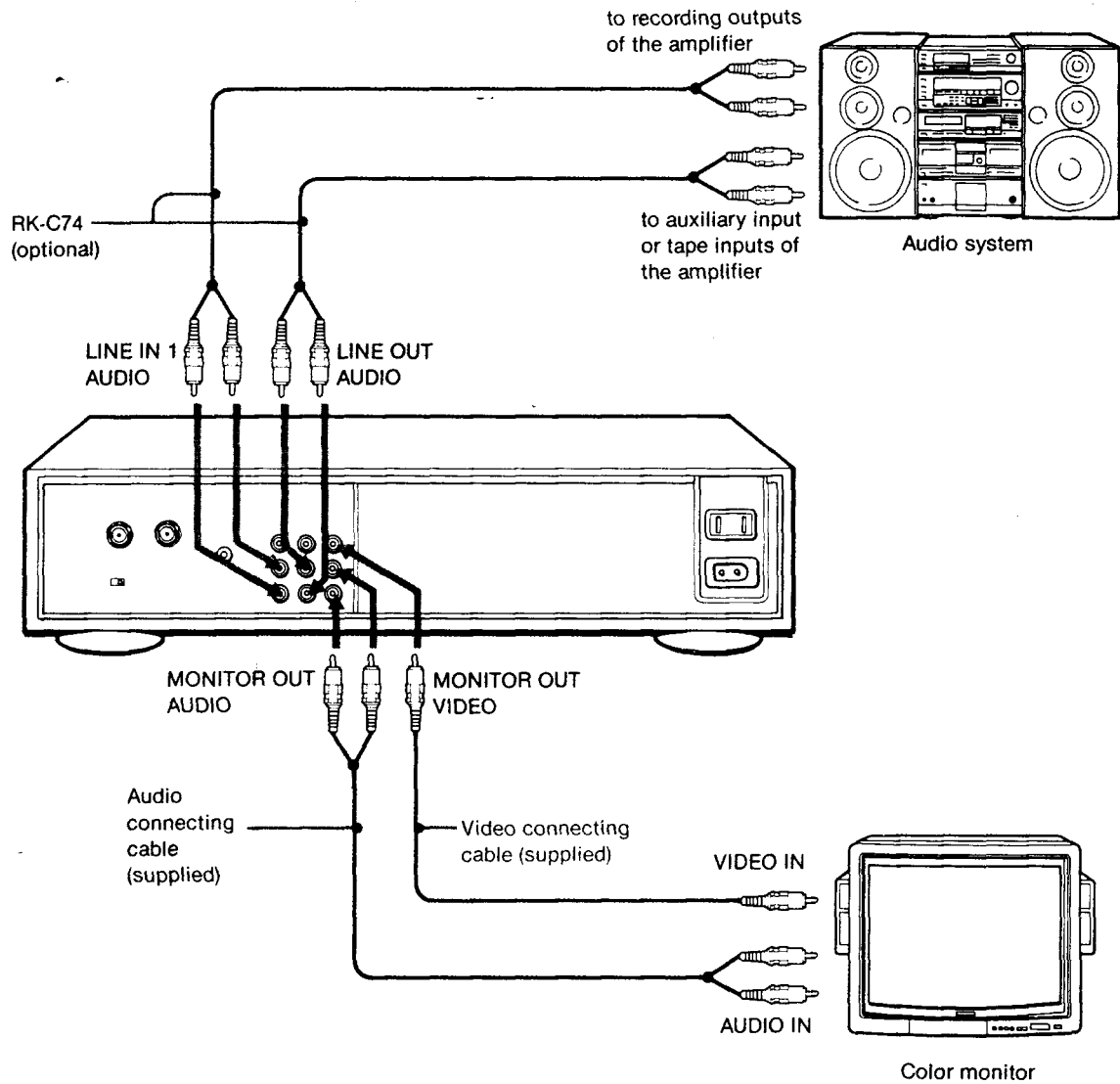
- 1 Set the RF UNIT at the rear to 3 CH or 4 CH, whichever is not active in your area.
- 2 Press **POWER**.
The indicator will light.
- 3 Press **TV/VTR** so that the VTR indicator lights.
- 4 Check that the **TUNER** indicator appears in the display window, then select an active channel in your area by pressing **CHANNEL +/-**.
- 5 Turn on the TV and set the TV to either VHF channel 3 or 4 whichever was set on to the RF UNIT setting. The TV program selected on the VCR will be displayed on the TV screen.

Your TV is now tuned to the VCR. Whenever you use the VCR, set the TV to the channel selected above.

Note

For details about TV channel adjustment see the instruction manual of the TV.

**Connecting Example 7
To Connect an Audio System**



You can enjoy tapes recorded in hi-fi stereo when the VCR is connected to your audio system.

Notes

- If the VCR is installed near a tuner or a radio, noise may be heard in AM reception. In this case, move the VCR away from the tuner or the radio, adjust the AM antenna for minimum noise, or connect an external AM antenna to the tuner.
- Since a hi-fi recorded tape has a wide dynamic range, turn down the volume on the amplifier before playing back the tape to avoid damaging the speakers.
- Before connecting or disconnecting the power cord of the VCR, be sure to turn off the connected amplifier.

About the Menu Display

The SLV-555UC is equipped with a menu display function. Menu display enables you to perform certain operations which are displayed on the TV or the monitor.

First display the main MENU, and select the item to be operated or preset.

Note

The position of the cursor is stored unless the power plug is disconnected.

Main MENU

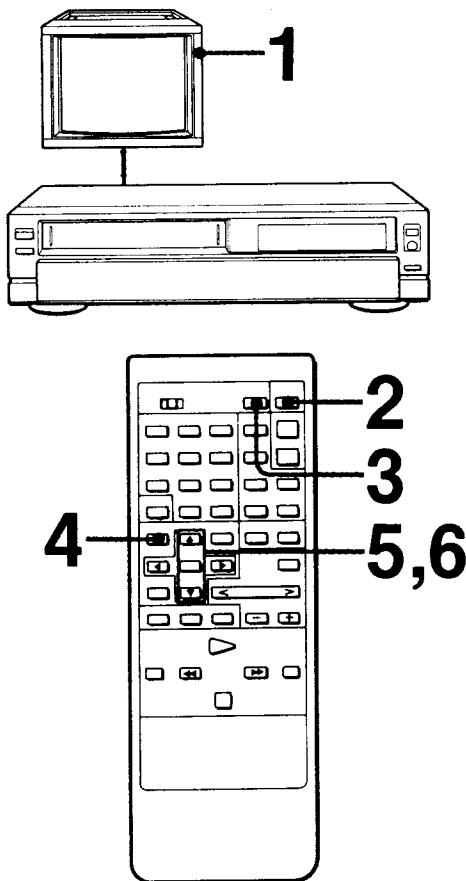
MENU

▶ AUTO MENU
TIMER SET/CHECK
MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION

How to Display the main MENU

Before you begin

- Check the connection between the VCR and the TV.
- If your TV is equipped with video/audio input jacks, connect them to the MONITOR OUT on the VCR for on-screen display. On-screen display is obtained from VHF/UHF OUT or MONITOR OUT, not from LINE OUT jacks.



Operation

- 1 Turn on the TV.
If your TV is equipped with video/audio input jacks
Select the input for the VCR.
If your TV is not equipped with video/audio input jacks
Select the channel for the VCR (3 or 4).
- 2 Press **POWER**.
- 3 Press **ANT TV/VTR** so that the VTR indicator lights.
(Only for TV without video/audio input jacks.)
- 4 Press **MENU**.
The main MENU display will appear.
- 5 Move cursor to the desired menu by **▲** or **▼** button.
- 6 Press **EXECUTE**.
The selected MENU display will appear.

To erase MENU display
Press **MENU** again.

To display another MENU display
1 Press **MENU** to erase the present display.
2 Press **MENU** again to display main MENU.
3 Move cursor to the desired menu.
4 Press **EXECUTE**.

Here is a list of the menus that can be selected from the main MENU.

For details, refer to the sections indicated.

AUTO MENU

Select the desired automatic tape operation.
See "Presetting the VCR's Operation." (page 30)

TIMER SET/CHECK

Preset the timer recording and check the contents.
See "Timer Recording." (page 40)

MODE SET

Set the desired mode.
See "Mode Setting." (page 20)

TUNER PRESET

Preset the active channels in your area.
See "Presetting Active Channels." (page 24)

FUNCTION MEMORY

Set the desired automatic tape operation.
With one press of the **FUNCTION MEMORY** button, the tape operation will start.
See "Presetting the VCR's Operation." (page 31)

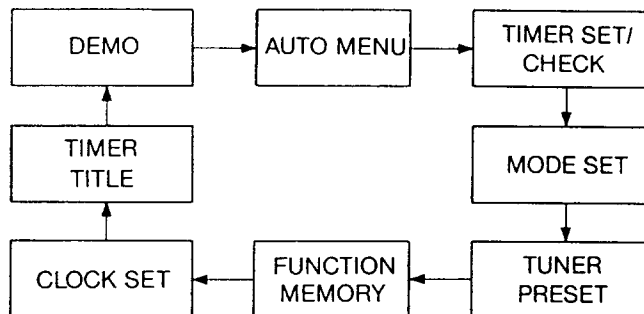
CLOCK SET

Set the clock.
See "Date and Clock Setting." (page 22)

DEMONSTRATION

Select DEMONSTRATION to display the contents of each MENU and an example of TIMER TITLE one after the other.

The display sequence is as follows:



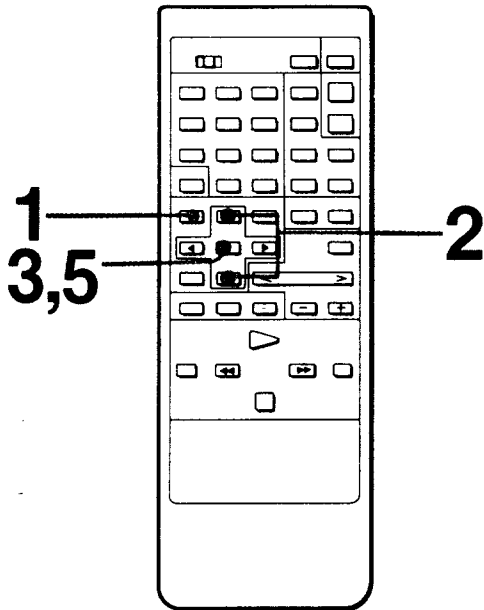
Press any key except EXECUTE to get out of the DEMONSTRATION display.

Mode Setting

Before operation you need to select the Mode setting.

Operation

Use ▲ and ▼ to move cursor.
Use ► and ◀ to select items.



1 Press **MENU**.
Main MENU will appear.

2 Move cursor to **MODE SET**.

```
MENU
AUTO MENU
TIMER SET/CHECK
▶MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION
```

3 Press **EXECUTE**.
MODE SET menu will appear.

```
MODE SET
▶AUTO ANT SEL  •ON OFF
AUTO STEREO   •ON OFF
AUDIO MIX     •ON OFF
TIMER TITLE   •ON OFF
TIMER REC-REW •ON OFF
NORMAL AUDIO  •MAIN SAP
BACK COLOR    •BL GR PK
```

4 Select the desired setting for each mode.

1 AUTO ANT SEL (Automatic Antenna Selector)

ON: Automatically displays the playback picture of the VCR on the screen when a tape is played back.

OFF: The picture on the TV screen be changed by pressing **ANT TV/VTR**.

If your TV is not equipped with video/audio inputs
Normally set to ON.

— **To view the picture played back or recorded on the VCR:**

Press **ANT TV/VTR** to light the VTR indicator. In the ON setting, the VTR indicator will automatically be lit when playing back a tape.

— **To watch TV programs:**

Press **ANT TV/VTR** to turn off the VTR indicator and select the desired program on the TV.

If your TV is equipped with video/audio inputs

Set to OFF to easily select the VCR's playback picture on the TV.

— **To view the picture played back or recorded on the VCR:**

Press **ANT TV/VTR** to turn off the VTR indicator and select video input on the TV to view higher quality picture.

— **To watch TV programs:**

Press **ANT TV/VTR** to turn off the VTR indicator and select the desired program on the TV.

2 AUTO STEREO

For details, see "To Record Multichannel TV Sound (MTS) Broadcasts (Stereocasts)." (page 36)

3 AUDIO MIX

Usually set to **OFF**.

For details, see "Selecting the Monitor Sound." (page 29)

4 TIMER TITLE

For details, see "Timer Recording". (page 42)

5 TIMER REC-REWIND

For details, see "Timer Recording". (page 42)

6 NORMAL AUDIO

When you want to record the main sound on the normal audio track, select **MAIN**.

When you want to record the SAP sound on the normal audio track, select **SAP**.

For details, see "To Record SAP (Second Audio Program) Broadcast." (page 37)

7 BACK COLOR

Select the desired background color on the screen when no picture is shown.

BL . . . blue

GR . . . green

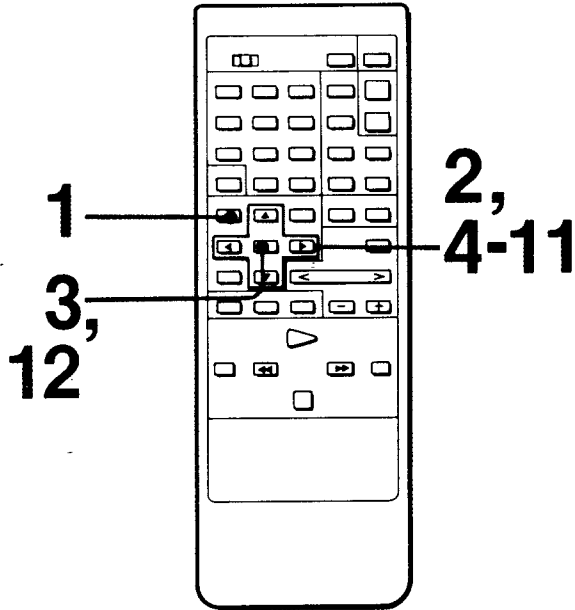
PK . . . pink

5 Press **EXECUTE**.
The settings will be memorized.

Date and Clock Setting

You can set the date and clock on the TV screen with the Remote Commander.
For example: It is August 4 1989 3:32 PM.

Use ▲ and ▼ to change the numbers
Use ► and ◀ to change the blinking position



1 Press **MENU**.
Main **MENU** will appear.

```
MENU
▶AUTO MENU
TIMER SET/CHECK
MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION
```

2 Move cursor to **CLOCK SET**.

```
MENU
AUTO MENU
TIMER SET/CHECK
MODE SET
TUNER PRESET
FUNCTION MEMORY
▶CLOCK SET
DEMONSTRATION
```

3 Press **EXECUTE**.
"1/1 1989 SUN AM 12:00" will be displayed. The month will be blinking.

```
CLOCK SET
1/1/1989 SUN AM12:00
```

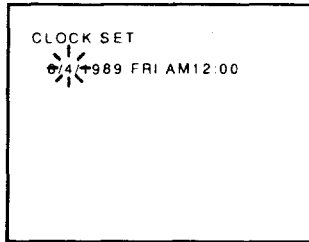
4 Press ▲ until 8 appears in the month position.

```
CLOCK SET
8/1/1989 TUE AM12:00
```

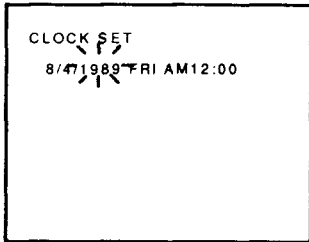
5 Press ► to make the day blink.

```
CLOCK SET
8/1/1989 TUE AM12:00
```

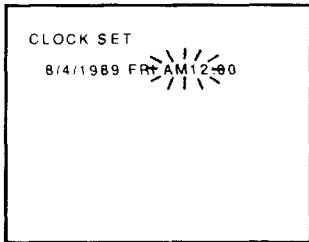
6 Press ▲ until 4 appears in that position.



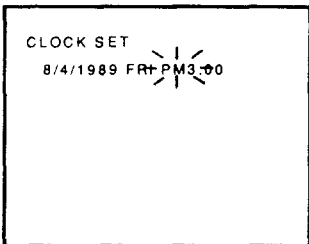
7 Press ▶ to make the year blink and press ▲ to change the year if necessary.



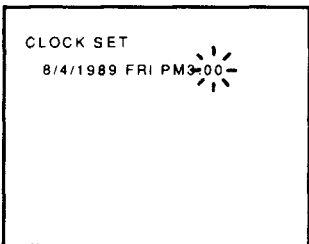
8 Press ▶ to make the hour blink.



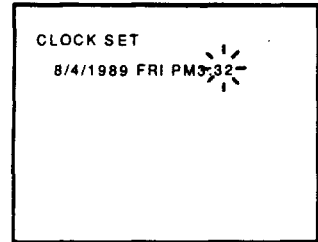
9 Press ▲ or ▼ until PM 3: appears.



10 Press ▶ to make the minute blink.



11 Press ▲ or ▼ until 32 appears in the minute position.



12 Press EXECUTE simultaneously with a time signal.
The clock will be set the 00 second point and starts.

To obtain the clock display, select CLOCK SET on the MENU display and press EXECUTE.

Notes

- You can perform clock setting except during timer recording, timer recording stand-by, quick timer recording.
- When you call up the CLOCK SET display, the clock keeps running and as long as the time is not changed. The seconds will not be reset to 00 when you return to the original screen.

Presetting Active Channels

You can preset the tuning of the SLV-555UC for VHF/UHF channels 2 to 69 and CATV channels 1 to 125.

You can preset these channels on the TV screen with the Remote Commander.

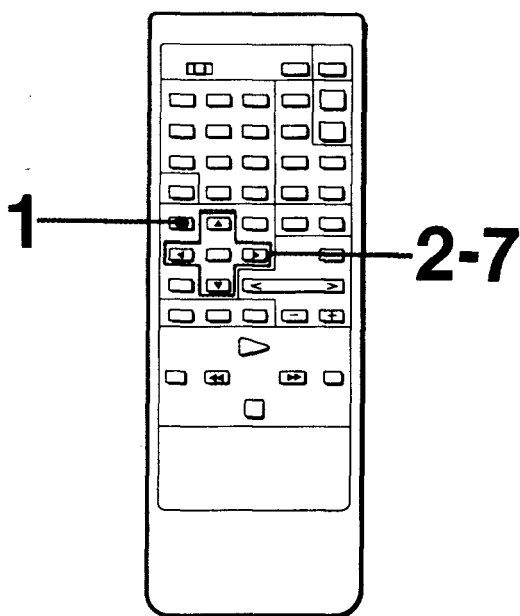
First, we recommend that you perform the automatic presetting.
If there are unwanted channels, erase them manually. If you already know which channels to be preset, preset them manually.

Before Presetting Channels

- Turn on the VCR and the TV.
- If your TV is not equipped with video/audio input jacks, make sure that the TV is set to the correct channel (3 or 4) for the VCR.
- Press **ANT TV/VTR** to display the VTR indicator.
- Press **INPUT SELECT** so that the TUNER indicator and channel number appear in the display window.

To Preset All Receivable Channels Automatically

Use ▲ and ▼ to move cursor.
Use ► and ◀ to select items.



- 1** Press **MENU**.
Main MENU will appear.

```
MENU
▶ AUTO MENU
  TIMER SET/CHECK
  MODE SET
  TUNER PRESET
  FUNCTION MEMORY
  CLOCK SET
  DEMONSTRATION
```

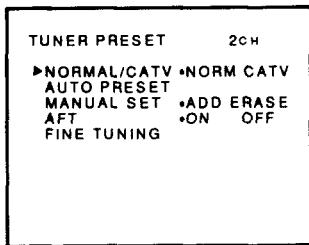
- 2** Move cursor to **TUNER PRESET**.

```
MENU
  AUTO MENU
  TIMER SET/CHECK
  MODE SET
  ▶ TUNER PRESET
  FUNCTION MEMORY
  CLOCK SET
  DEMONSTRATION
```

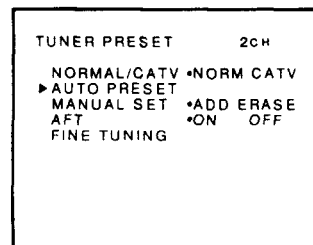
- 3** Press **EXECUTE**.
The **TUNER PRESET** display will appear.

```
TUNER PRESET      2ch
NORMAL/CATV ◀NORM CATV
AUTO PRESET
▶MANUAL SET ◀ADD ERASE
AFT          ◀ON  OFF
FINE TUNING
```

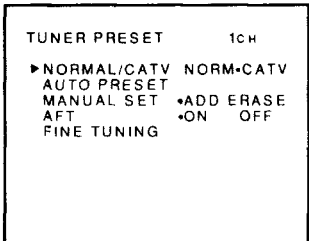

4 Move cursor to
NORMAL/CATV.



6 Move cursor to AUTO
PRESET.

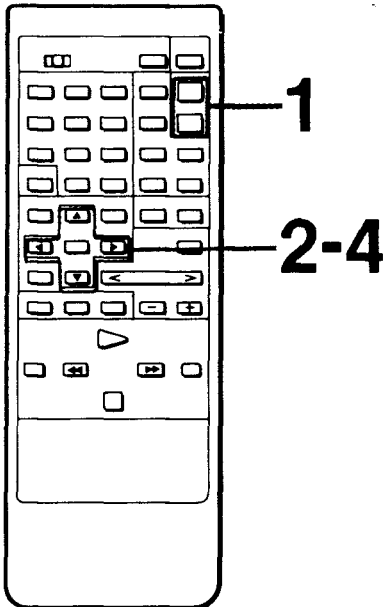


5 Select NORM to preset VHF and UHF channels.
Select CATV to preset cable TV channels.
The lowest channel number will appear.
NORM: 2
CATV: 1



7 Press EXECUTE.
Receivable channels will be preset in numerical
sequence.
When no more channels can be found, the presetting
will stop and lowest numbered channel will be
displayed.

To Preset Only Specific Channels or to Erase Unnecessary Channels



1 After automatic presetting is over press CHANNEL
+/- to select the channel to be added or erased.

2 Follow steps 1 to 3 in "To Preset All Receivable
Channels Automatically."

3 To add channels Select ADD.
To erase channels Select ERASE.

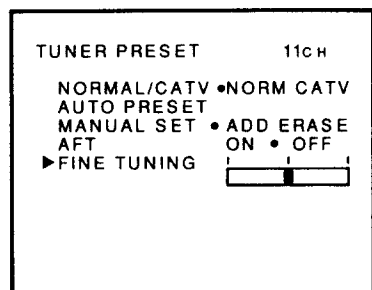
4 Press EXECUTE.
When pressing CHANNEL +/-, the erased channel
will be skipped and the added channel will be
displayed.

Fine-tuning

Normally the AFT (Auto Fine Tuning) function works and the AFT setting is set to ON. If the picture of a particular channel is not acceptable, fine-tune manually.

Operation

- 1 Follow the previous steps 1 to 3.
- 2 Move cursor to FINE TUNING.
The fine tuning indicator will appear.



- 3 Fine-tune with ► or ◀ to get a clear picture. If you cannot get a better picture, select ON on the AFT.
- 4 Press EXECUTE.

About the FINE TUNING indicator

The FINE TUNING indicator shows the operable extent of the fine tuning.

When the VCR is receiving a broadcast in the best condition, the indicator will be at the center or one space right or left of the center.

Even if the VCR is receiving the broadcast in the best condition, it may happen that the indicator is not at the center.

When the VCR is receiving input signal from a video game, the indicator may not be at the center even though the VCR is receiving it in the best condition.

Cable TV channel assignment

Cable TV systems use letters or numbers to designate the channels. To tune-in a CATV channel, refer to the chart below which shows the CATV channel numbers on this VCR and the corresponding CATV channel. Note that the channel number assignment shown in the chart may not correspond to the channel number used by your local cable company. Check with your local cable TV company for more information on the available channels.

Number on this VCR	1	2	...	13	14	15	16	17	18				
Corresponding CATV channel	A-8	2	...	13	A	B	C	D	E				
19	20	21	22	23	24	25	26	27	28	29	30	31	32
F	G	H	I	J	K	L	M	N	O	P	Q	R	S
33	34	35	36	37	...	94	95	96	97	98	99		
T	U	V	W	W+1	...	W+58	A-5	A-4	A-3	A-2	A-1		
100	...	125											
W+59	...	W+84											

This VCR is designed to correspond to the Standard cable system. However, the cable TV services may vary from area to area. Your local cable TV company may be either the HRC¹ or IRC² cable system. Even in these cases, this VCR is capable of receiving either of these cable systems in the best condition.

*1 HRC (Harmonic Related Carriers)

All channels except for 5 and 6 are 1250 kHz lower than the Standard cable system. Channel 5 and 6 are 750 kHz higher than the Standard cable system.

*2 IRC (Incremental Related Carriers)

All channels except for 5 and 6 are the same as the Standard cable system. Channels 5 and 6 are 2000 kHz higher than the Standard cable system.

FINE TUNING indication when receiving HRC or IRC cable systems

Even when the signals are received in the best condition, the FINE TUNING indicator will not stay at the center position for channels higher or lower than the Standard cable system because of the difference in the frequency.

Note

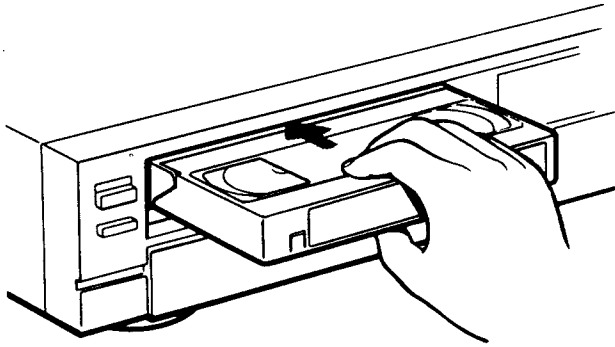
Pay cable TV systems use scrambled or encoded signals and require special converters (decoders) in addition to the normal cable connection.

Handling Video Cassettes

Inserting a Cassette

Insert a cassette fully into the compartment by slowly pressing its center with the arrow indication facing upwards.

Even if the power is turned off, the power will be automatically turned on.



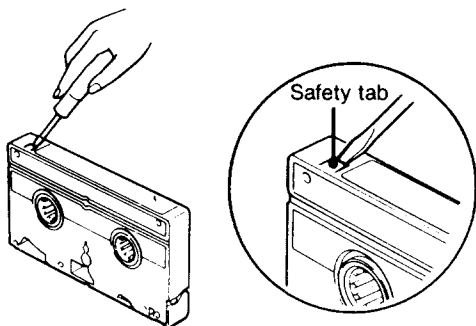
Ejecting a Cassette

Press **EJECT** to eject the cassette. As long as the AC power cord is connected to the wall outlet, the cassette can be ejected even when the power of the unit is turned off. After the ejection, the power will be automatically turned off.

To Avoid Erasing Previously Recorded Video Contents

When a new recording is made on a previously recorded cassette, the previous recording will be automatically erased. To avoid unintentional erasure of previously recorded video sources, break off the safety tab on the cassette.

To re-record on the cassette, cover the slot where the safety tab used to be located with plastic tape.



Maximum Recording Time of a Tape

Recording in the SP or EP mode is possible with this VCR.

When recording, select the desired recording time (SP or EP) with **REC MODE** on the Remote Commander or the unit.

During playback, the unit automatically detects the recording format, and then plays it back in the appropriate mode.

An SP Tape runs three times as fast as an EP tape does.

In playback mode, LP mode is possible. But you cannot record in LP mode.

Refer to the chart below for the recording/playback time available in each mode.

REC MODE setting	Cassette tape			
	T-160	T-120	T-60	T-30
SP (standard)	2 hr. 40 min.	2 hr.	1 hr.	30 min.
EP	8 hr.	6 hr.	3 hr.	1 hr. 30 min.

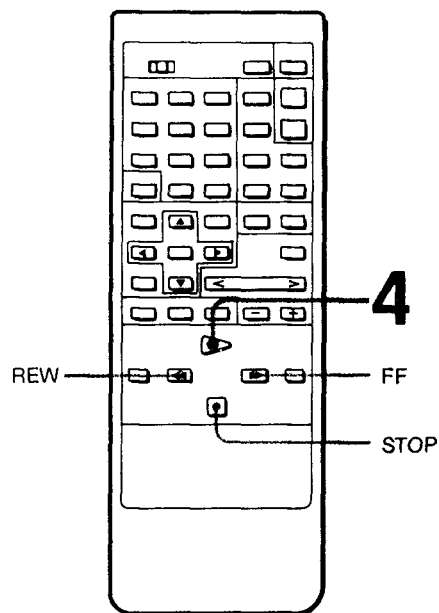
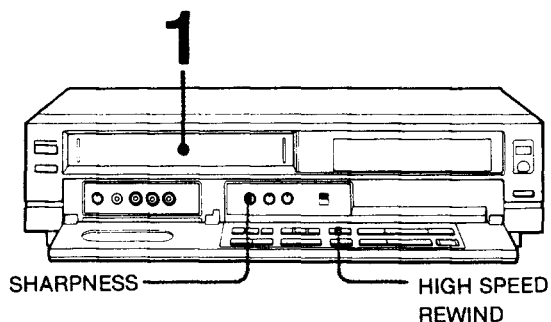
Tapes Recorded in LP Mode

Playback of tapes recorded in LP mode is also possible with this VCR. However, playback in modes other than normal speed forward is not guaranteed. Note that recording in LP mode is not possible. Also, note that the **AUTO TRACKING** function will not function.

Playing a Tape

In this section, we will explain some operations and functions relating to tape playback.

Basic Playback



1 Insert a cassette.

2 Turn on the TV.

3 *If your TV is equipped with video/audio input jacks*
Select the input for the VCR.
If your TV is not equipped with video/audio input jacks
Select the channel for the VCR (3 or 4).

4 Press ► PLAY.

To stop playback
Press ■ STOP.

To advance the tape rapidly
Press ►► FF.

To rewind the tape
Press ◀◀ REW.

To rewind the tape at high speed
Press ◀◀◀ HIGH SPEED REWIND.

To get a sharper picture
Turn the SHARPNESS control toward SHARP.

To get a softer picture
Turn the SHARPNESS control toward SOFT.

When the tape is played back to the end
The tape is automatically rewound to the beginning (auto rewind). The power remains on.

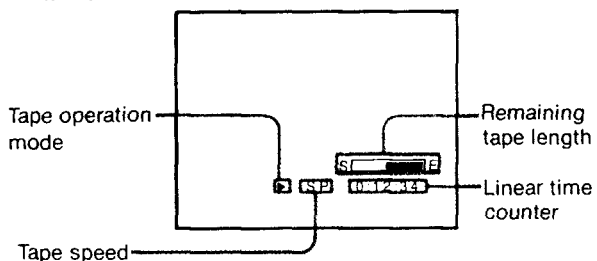
About the Data Screen

To erase the data screen from the screen, press **DATA SCREEN** on the Commander.
Press again to resume it.

Notes on the Remaining Tape Length Indicator

The displayed remaining tape length is not precise. Therefore, use it only as an approximate reference. When you insert a short tape such as T-20, T-30 or a nonstandardized commercially available tape, this indicator may not function correctly.

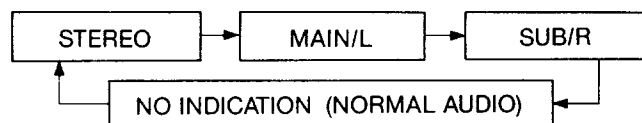
Data Screen



Selecting the Monitor Sound

You can play back tapes on which stereo sound programs or dual sound programs are recorded on the VCR.

Each press of the **AUDIO MONITOR** button on the Commander changes the display as follows.



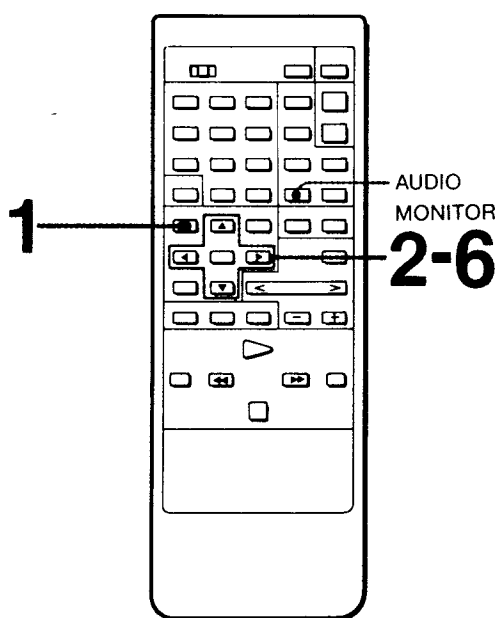
Note

When you play back a tape recorded in monaural, the sound will be monaural. The **AUDIO MONITOR** button will not function.

	Display	Sound you hear stereo program recorded tapes
To listen to hi-fi track	STEREO MAIN/L SUB/R	stereo left channel right channel
To listen to normal track	No indication	sound recorded on normal track (SAP)

To listen to the original sound and the after-recorded sound simultaneously. . . . AUDIO MIX

Use ▲ and ▼ to move cursor.
Use ► and ◀ to select items.



1 Press **MENU**.
Main MENU will appear.

```

MENU
AUTO MENU
TIMER SET/CHECK
▶MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION
  
```

2 Move cursor to **MODE SET**.

3 Press **EXECUTE**.
MODE SET display will appear.

```

MODE SET
▶AUTO ANT SEL  *ON OFF
AUTO STEREO   *ON OFF
AUDIO MIX     *ON OFF
TIMER TITLE   *ON OFF
TIMER REC-REW *ON OFF
NORMAL AUDIO *MAIN SAP
BACK COLOR   *BL GR PK
  
```

4 Move cursor to **AUDIO MIX**.

```

MODE SET
AUTO ANT SEL  *ON OFF
AUTO STEREO   *ON OFF
▶AUDIO MIX     *ON OFF
TIMER TITLE   *ON OFF
TIMER REC-REW *ON OFF
NORMAL AUDIO *MAIN SAP
BACK COLOR   *BL GR PK
  
```

Note

When you select ON in the AUDIO MIX, the **AUDIO MONITOR** button will not function. Return to OFF after listening to the sound in MIX mode.

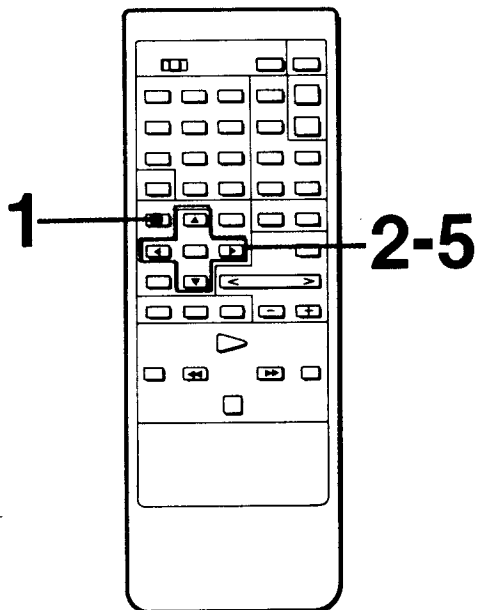
5 Select **ON**.

6 Press **EXECUTE**.

Presetting the VCR's Operation — Auto Play

By selecting the desired tape operation combination and pressing **EXECUTE**, a tape operation of several steps will start automatically.

Use ▲ and ▼ to move cursor.



1 Press **MENU** when the tape is in stop mode.
Main MENU will appear.

2 Move cursor to AUTO MENU.

3 Press **EXECUTE**.
AUTO MENU display will appear.

AUTO MENU

▶PLAY-REW-POWER OFF
GO TO ZERO-STOP
GO TO ZERO-PLAY
GO TO REC START-PLAY
REW-POWER OFF
REW-EJECT-POWER OFF
REW-PLAY
REW-TIMER REC

4 Move cursor to the desired tape operation.

5 Press **EXECUTE**.
The selected tape operation will start and the indication will be displayed on the screen for several seconds.

To return to the original screen without selecting from the AUTO MENU

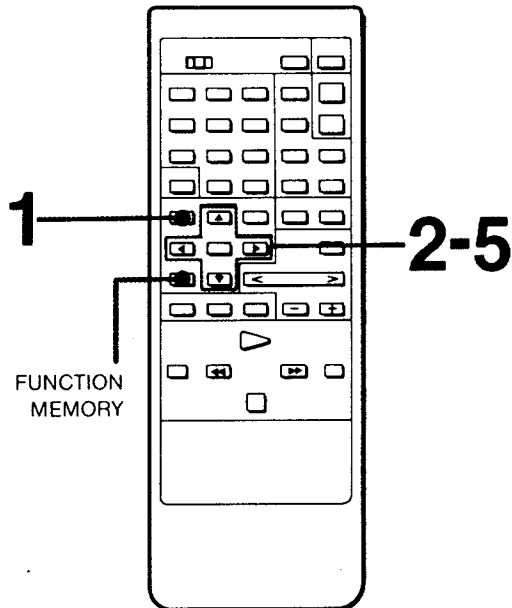
Press **MENU**.

When the power is turned off

The cursor will remain in its most recent position.

To memorize a tape operation and execute it automatically by pressing only one button — **FUNCTION MEMORY**

Use ▲ and ▼ to move cursor.



1 Press **MENU**.
Main MENU will appear.

2 Move cursor to **FUNCTION MEMORY**.

3 Press **EXECUTE**.
FUNCTION MEMORY display will appear.

FUNCTION MEMORY
PLAY-REW-POWER OFF
GO TO ZERO-STOP
GO TO ZERO-PLAY
GO TO REC START-PLAY
REW-POWER OFF
REW-EJECT-POWER OFF
REW-PLAY
▶[AUTO MENU]

4 Move cursor to the desired tape operation

5 Press **EXECUTE** to return to the original screen.

Whenever you press **FUNCTION MEMORY** on the Commander, the memorized tape operation will automatically start.

Note on FUNCTION MEMORY

The **FUNCTION MEMORY** function is operable only when the tape is stopped.

What does each operation indicator mean?

PLAY-REW-POWER OFF

The tape is played back to its end and rewound to its beginning. Then the power is turned off.

GO TO ZERO-STOP

The tape is fast-forwarded/rewound to around the zero counter position, and stops. See "Tape Return/Tape Return Play" (page 38) for detailed operation.

GO TO ZERO-PLAY

The tape is fast-forwarded/rewound to around the zero counter position, and is played back. See "Tape Return/Tape Return Play" (page 38) for detailed operation.

GO TO REC START-PLAY

The tape is fast-forwarded/rewound to the starting point of the recording, and is played back.

REW-POWER OFF

The tape is rewound to its beginning and the power is turned off.

REW-EJECT-POWER OFF

The tape is rewound to its beginning, and the cassette is ejected. Then the power is turned off.

REW-PLAY

The tape is rewound to its beginning and is played back.

REW-TIMER REC

The tape is rewound to its beginning and the VCR enters the standby mode for timer recording. This function is possible only when a timer recording has been already preset.

[AUTO MENU]

The **AUTO MENU** will be displayed immediately after **FUNCTION MEMORY** is pressed, providing a short cut to the **AUTO MENU**.

Note on "GO TO REC START-PLAY"

If you perform the following operations, the memory of the recording start position will be erased and "GO TO REC START-PLAY" is not operable.

- When you press **COUNTER RESET**.
- When you eject the cassette and insert another cassette again.
- When you press **HIGH SPEED REWIND**.

Various Playback Modes

To obtain a still picture

During playback mode press **||/▶ PAUSE/STILL** on the VCR or **|| PAUSE** on the Commander.

To return to normal playback, press **▶ PLAY** or **||/▶ PAUSE/STILL** or **|| PAUSE**.

When the pause mode lasts for more than 5 minutes, the VCR will re-enter the playback mode automatically.

To search for a particular scene — Picture search

During playback mode, press **◀ REW**, or **▶▶ FF**.

While the button is pressed, a high speed picture without sound will appear on the TV screen.

When the button is released, the VCR will return to the previous mode.

To watch the picture during hi speed playback — Locked picture search

During the playback mode, press **◀ SEARCH** or **▶▶ SEARCH** on the Commander.

A high speed picture in forward or reverse will appear on the screen even when the button is released. To resume normal playback, press **▶ PLAY**.

To watch a slow motion playback

During playback mode, press **▶ SLOW** on the Commander.

+ : To increase the speed

- : To slower the speed

To watch the picture momentarily while the VCR is in the fast forward or rewind mode without picture on the TV screen

During fast-forward mode, press **▶▶**.

During rewind mode, press **◀◀**.

The high speed playback picture can be seen while the button is pressed. Release the button to return to the previous mode.

To watch a playback picture at 2 times the normal speed

During playback mode, press **× 2** on the Commander.

To watch reverse direction playback, slow and × 2 picture

During forward playback of the desired mode, press **<** on the Commander. Press **▶** or **>** to resume forward playback.

To watch a frame-by frame picture

During still mode, press **>** to advance the picture one frame. Press **<** to reverse the picture one frame. Each press of **</>** will move the picture one frame. Press **▶** to resume normal play back.

If streaks or noise bands appear in a slow motion picture

Adjust the TRACKING SLOW control on the inside front panel of the unit.

How to Adjust the Picture Manually in Various Playback Modes

If streaks or noise appear in a slow motion picture

Adjust the **TRACKING NORMAL/SLOW** and **STILL**

ADJUST button inside the front panel of the VCR.

You can adjust the picture more easily at speeds closer to normal playback.

If the picture appears to shake in the still mode

Adjust the **TRACKING NORMAL/SLOW** and **STILL**

ADJUST button inside the front panel of the VCR until the picture stabilizes.

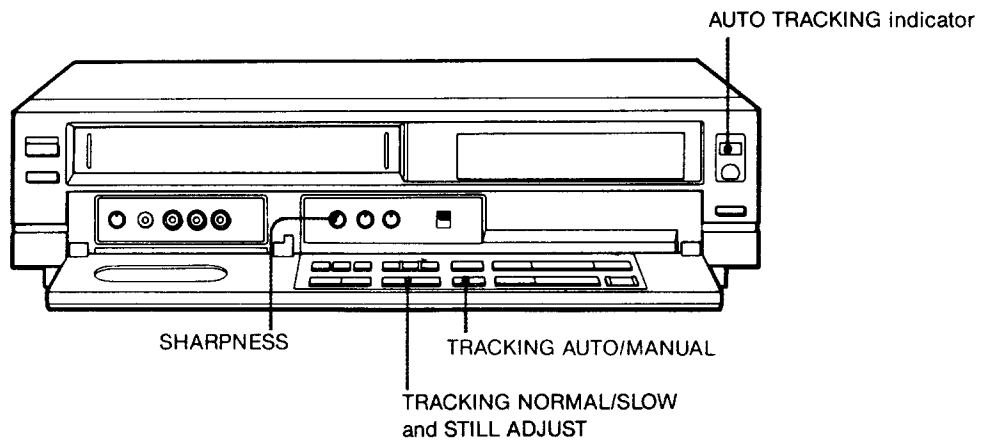
If a band appears on the top or bottom of the picture in the still mode

Change to the slow motion mode, and then adjust the **TRACKING NORMAL/SLOW** and **STILL ADJUST** control inside the front panel of the VCR.

Note

Streaks or noise cannot be eliminated completely in the reverse direction playback or in the reverse slow mode.

When playing back a tape recorded on another VCR, we recommend that you make some adjustments to obtain a better picture.



To get a sharper picture

Turn the **SHARPNESS** control toward **SHARP**.

To get a softer picture

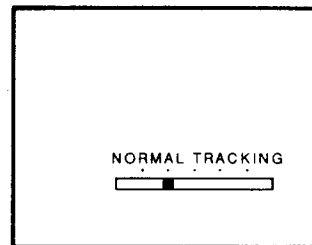
Turn the **SHARPNESS** control toward **SOFT**.

Usually automatic tracking function adjusts the picture (The AUTO TRACKING indicator lights).

The AUTO TRACKING function works in the following cases

- A tape is played back for the first time.
- Tape speed (EP, SP) changes.
- Streaks or snow appear because of scratches on the tape.
- **TRACKING AUTO/MANUAL** was pressed after manually adjusting the tracking (See page 32)

If streaks or snow appear during normal playback



Adjust the picture with TRACKING NORMAL/SLOW and STILL ADJUST.

The tracking indicator will appear on the TV screen and the AUTO TRACKING indicator on the VCR will be turned off.

Press two TRACKING ▲/▼ buttons simultaneously to get the normal tracking condition.

Then press either ▲ or ▼ to get the best possible picture.

Notes

- Auto tracking adjustment may be impossible and the tracking indicator will not appear on the TV screen when the recording condition of the tape is poor.
- During auto tracking adjustment, streaks or noise may appear.
- When **DATA SCREEN** on the Commander is pressed, the tracking indicator will not appear on the TV screen.
- Auto tracking adjustment is not possible on the tapes recorded in LP mode.

Recording TV Programs

Before You Begin

Before you begin recording, check the following and make sure that the VCR functions correctly.

1 Connections

Make sure the Connections have been made correctly.

2 Positions of the selectors

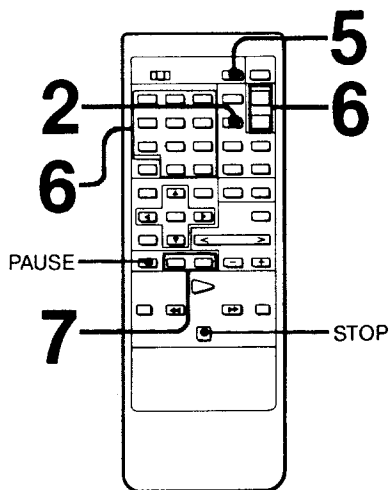
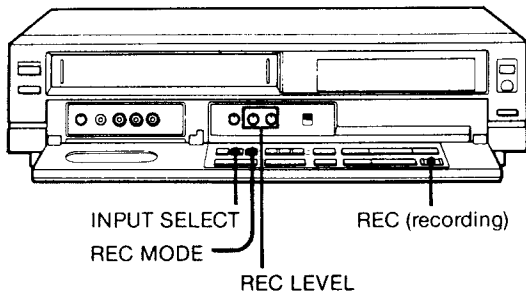
INPUT SELECT: TUNER (TUNER display appears in the display window.)

REC LEVEL: Indented center position

Caution

Television programs, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws. Also, use of this recorder with cable television transmission may require authorization from the cable television transmission and/or program owner.

Operation



To stop the recording

Press ■ **STOP**.

To stop the tape for a moment

Press || **PAUSE**.

To resume recording, press || **PAUSE** again.

During recording, if the pause mode lasts for more than approximately 5 minutes, the VCR will enter the stop mode automatically.

1 Insert a cassette.
The VCR will turn on automatically (Auto power on).

2 Select the recording tape speed, SP or EP, with **REC MODE**.

3 Turn on the TV.

4 If your TV is equipped with video/audio input jacks
Select the input for the VCR.
If your TV is not equipped with video/audio input jacks
Select the channel for the VCR (3 or 4.)

5 Press **ANT TV/VTR** so that the VTR indicator lights.
(Necessary only when the VCR and the TV are connected via the VHF antenna terminal.)

6 Select the channel to be recorded with **CHANNEL +/-** or channel number and **ENTER** buttons.

7 Press the two ● **REC** buttons simultaneously. (On the VCR there is only one ● **REC** button.)

When the tape reaches its end

The tape will be rewound to the beginning and the power of the unit will remain on.

Temporarily Stopping Recording at a Particular Point

You can stop recording when an unwanted scene appears and then resume recording smoothly.

- 1 Press **⏸ PAUSE** when the unwanted scene appears. Recording will stop and the VCR will enter the recording pause mode.
- 2 Press **⏸ PAUSE** at the desired point to continue recording.

When an unwanted scene has started being recorded, you can return the tape to the start of the unwanted portion and make the VCR enter the recording pause mode.

- 1 Set the VCR to the recording pause mode.
- 2 Press **▶ PLAY**. The VCR will enter the playback pause mode.
- 3 Locate the point from which you wish to continue recording by rewinding the tape.
- 4 Press the two **● REC** buttons simultaneously. The VCR will enter the recording pause mode.
- 5 Press **⏸ PAUSE** at the desired point. Recording will begin again.

To record a program without watching the TV
Turn off the power of the TV or color monitor.
Recording will continue.

What does the VTR indicator appearing in the display window indicate?

VTR indicator	What is shown
Lit	Channel selected by the VCR or playback picture
Unlit	Channel selected by a TV

Watching One TV Program While Recording Another

- 1 Press **ANT TV/VTR** so that the VTR indicator goes off.
- 2 Select the channel you want to watch on the TV.

Note

If you use a color monitor, you cannot view another program during recording unless the monitor has an internal TV tuner.

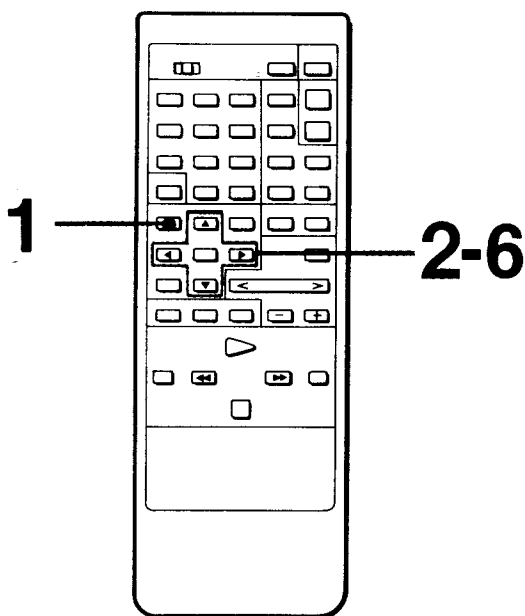
To Record Multichannel TV Sound (MTS) Broadcasts (Stereocasts)

To record a stereo broadcast

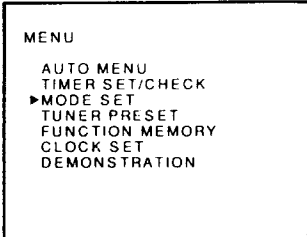
A stereo broadcast program is automatically recorded in stereo.

If a stereo program is noisy, do the steps below.

Use ▲ and ▼ to move cursor.
Use ► and ◀ to select items.

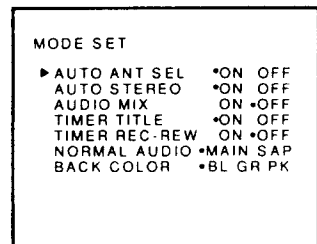


1 Press **MENU**.
Main MENU will appear.



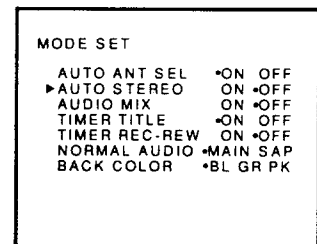
2 Move cursor to **MODE SET**.

3 Press **EXECUTE**.



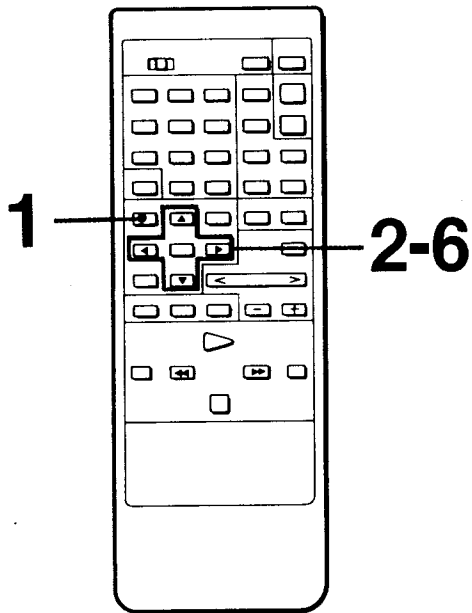
4 Move cursor to **AUTO STEREO**.

5 Select **OFF**.

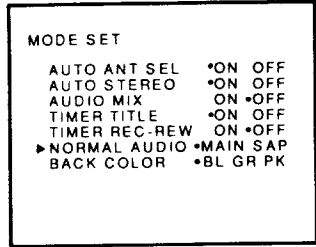


6 Press **EXECUTE** to restore the original picture.
The sound will be monaural and the noise will be reduced.

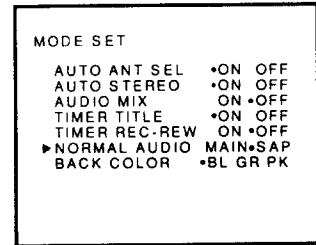
Preset the items in the MENU display.



4 Move cursor to NORMAL AUDIO.



5 Select SAP.

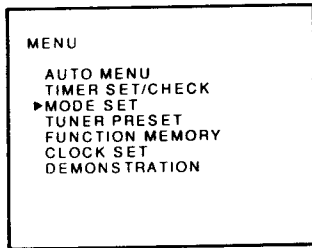


6 Press EXECUTE to return to the original screen.

In this way, SAP sound will be recorded on the normal audio track.

1 Press MENU.
Main MENU will appear.

2 Move cursor to
MODE SET.



3 Press EXECUTE.
MODE SET display will appear.

Selecting MAIN or SAP in step 5

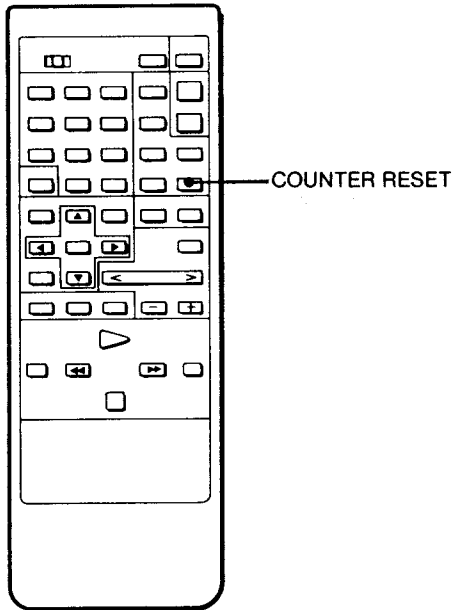
When you select MAIN	When you select SAP
You can hear only the main sound.	You can hear main or SAP sound.
AUDIO MONITOR is not operable.	Press AUDIO MONITOR to select the desired sound. The indicators in the display window are as follows. STEREO: stereo sound SAP: SAP sound No indication: monaural

Notes

- When the SAP sound is not broadcast, select MAIN in step 5. No sound will be recorded on the normal track.
- When the VCR and the TV are connected via the VHF antenna terminal, you cannot listen to a program in stereo.

Use of the Tape Counter

Indexing the Tape Contents



Before starting recording or playback, press **COUNTER RESET** to set the counter to zero. By noting the counter reading at the desired point, you can easily find that point later by referring to the counter. Use the label on the cassette to list the programs and their counter readings.

Note on counter reading

Even after the cassette is ejected, the counter reading is retained until a cassette is inserted again. The counter then returns to "0H00M00S".

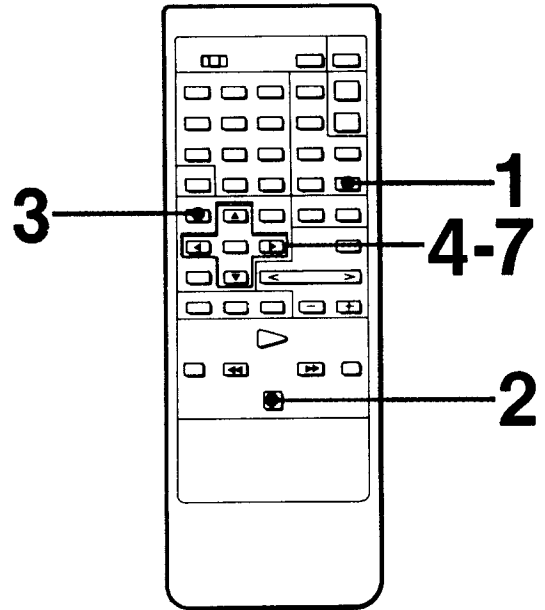
Display window

0 H 00 M : 00 S

Tape Return/Tape Return Play

Tape return

— To stop the tape at a particular point or to play back from a particular point



1 During recording or playback, press the **COUNTER RESET** at the point you want to locate later.
The tape counter will display "0H00M00S".

2 When recording or playback is completed, press **STOP**.

3 Press **MENU**.
Main MENU will appear.

4 Move cursor to **AUTO MEMU**.

```
MENU
▶AUTO MENU
TIMER SET/CHECK
MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION
```

5 Press **EXECUTE**.
AUTO MENU display will appear.

6 Move cursor to **GO TO ZERO-STOP**.

```
AUTO MENU
PLAY-REW-POWER OFF
▶GO TO ZERO-STOP
GO TO ZERO-PLAY
GO TO REC START-PLAY
REW-POWER OFF
REW-EJECT-POWER OFF
REW-PLAY
REW-TIMER REC
```

(Tape return)

7 Press **EXECUTE**.
The tape will be rewound or advanced close to the counter zero point, and stop at the counter zero point.

Tape return play

— To start playback automatically from the counter zero point

Follow steps 1 to 5 in the above procedure, then select **GO TO ZERO-PLAY** in the step 6 and press **EXECUTE**.

```
AUTO MENU
PLAY-REW-POWER OFF
GO TO ZERO-STOP
▶GO TO ZERO-PLAY
GO TO REC START-PLAY
REW-POWER OFF
REW-EJECT-POWER OFF
REW-PLAY
REW-TIMER REC
```

(Tape return play)

Notes

- The tape counter does not work when the inserted tape has no recordings.
- The counter number may be few seconds ahead or behind the exact time.

Timer Recording

You can preset up to eight recordings as much as one month* in advance.
 The recordings can be preset on the TV screen with the Remote Commander only.
 Do not use any buttons on the unit even it has the same name.

*Recording from today to one month later

If today is August 31st, you can set the timer to record a program broadcast between today and September 30(for 31 days).
 If today is January 31st, you can set the timer to record a program broadcast between today and February 28 (for 29 days). A Leap year is automatically calculated.

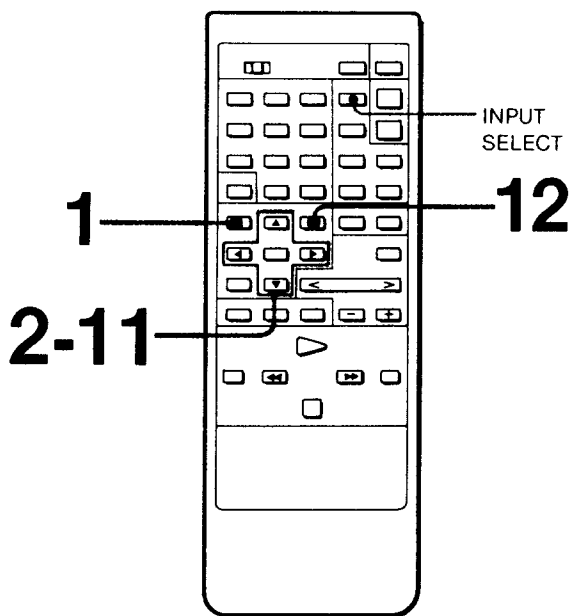
Before You Begin

- The date and clock must be set correctly. (See "Date and Clock Setting.") (page 22)
- Make sure the cassette tape is long enough to record all the programs.
- Be sure that the safety tab on the cassette has not been broken off. If you insert a cassette without its safety tab and press **TIMER REC ON/OFF**, the cassette will be automatically ejected.
- Set the **REC LEVEL** control to indented position.
- Turn on the VCR and the TV.

Timer Setting Example

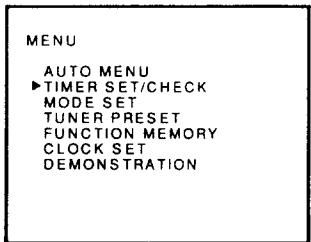
Suppose you want to make a recording of channel 26 from 9:00 PM. to 10:55 PM. on Wednesday August 16 in EP mode.

Use **▶** and **◀** to select items.
 Use **▲** and **▼** to change numbers and to move cursor.

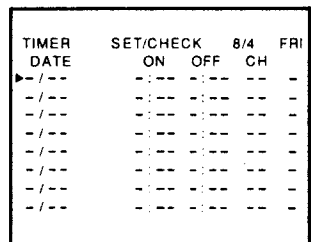


1 Press **MENU**.
 Main MENU will appear.

2 Move cursor to **TIMER SET/CHECK**.



3 Press **EXECUTE**.
TIMER SET/CHECK display will appear.



- 4** Press ▶.
Make sure that today's date is blinking.
If not, set the correct time. (See "Date and Time Setting.")

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
8/16	WED	PM 9	00PM10 5 5 2 6 SP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 9** Press ▶.
CH position blinks.
Press ▲ until 26 appear.
Only channels preset in the VCR will appear.
Channel number buttons can be used.

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
8/16	WED	PM 9 00PM10 5 5	2 6 SP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 5** Press ▲ until 8/16 WED appear.

- 6** Press ▶.
Current hour will blink in the on-time position.
Press ▲ or ▼ to make PM: 9 appear.

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
8/16	WED	PM 9	00PM10 5 5 2 6 SP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 10** Press ▶.
The recording tape speed position will blink.
Press ▲ or ▼ until EP appears.
REC MODE can be used.

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
8/16	WED	PM 9 00PM10 5 5	2 6 EP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 7** Press ▶.
Current minute will blink in the on-time position.
Press ▲ or ▼ to make 00 appear.

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
8/16	WED	PM 9:00	00PM10 5 5 2 6 SP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 11** Press ▶ to finish presetting.

When you want to preset another program

Move cursor to the second line and preset in the same way.

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
▶ 8/16	WED	PM 9 00PM10 5 5	2 6 EP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 8** Press ▶.
The on-time will blink in the off-time position.
Set the turn-off time referring to steps 6 and 7.

TIMER	SET/CHECK	8/4	FRI
DATE	ON	OFF	CH
8/16	WED	PM 9 00PM10 5 5	2 6 SP
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-
-/-	-	-	-

- 12** Press EXECUTE.
Press **TIMER REC ON/OFF** to set the VCR in the recording standby mode.
The VCR will be turned off.

When you want to preset LINE 1 or 2

Select LINE 1 or 2 with **INPUT SELECT** in step 4 to 11.

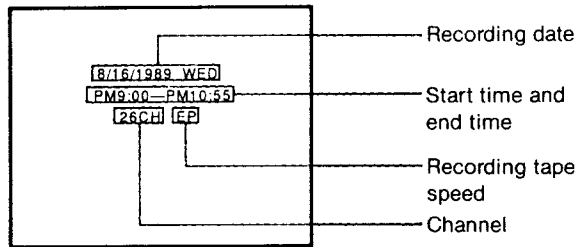
When you want to change an item before completing the setting

Press ◀ to return to the item to be changed.

Automatic power on

The VCR will be automatically turned on when the set time comes and will start recording. When it completes recording, the power will be automatically turned off.

Recording a Title Over a Blue, Green, or Pink Background — Timer Title



Use ▲ and ▼ to move cursor.
Use ► and ◀ to select items.

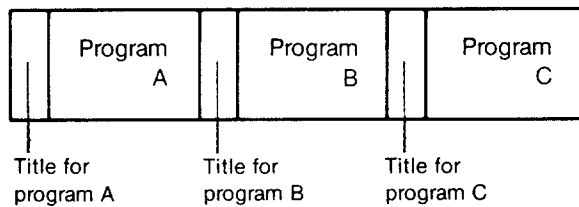
If you do not want a title recorded

- 1 Press **MENU**.
MAIN menu will appear.
- 2 Move cursor to MODE SET.
- 3 Press **EXECUTE**.
MODE SET display will appear.
- 4 Move cursor to TIMER TITLE.
- 5 Select OFF.
- 6 Press **EXECUTE** to return to the original screen.

Timer title is recorded for approximately 3 seconds at the beginning of each recording.

20 seconds before the timer recording starts, the power is automatically turned on and a title such as the one above is recorded for approximately 3 seconds. After that, the VCR enters the recording pause mode and it will start recording at the set time.

3 seconds



This function makes it easier to search for a certain program on a tape on which many programs have been recorded.

To rewind the tape automatically to the recording start point after timer recording is over

- 1 Press **MENU**.
MAIN menu will appear.
- 2 Move cursor to MODE SET.
- 3 Press **EXECUTE**.
MODE SET display will appear.
- 4 Move cursor to TIMER REC-REW.
- 5 Select ON.
- 6 Press **EXECUTE** to return to the original screen.

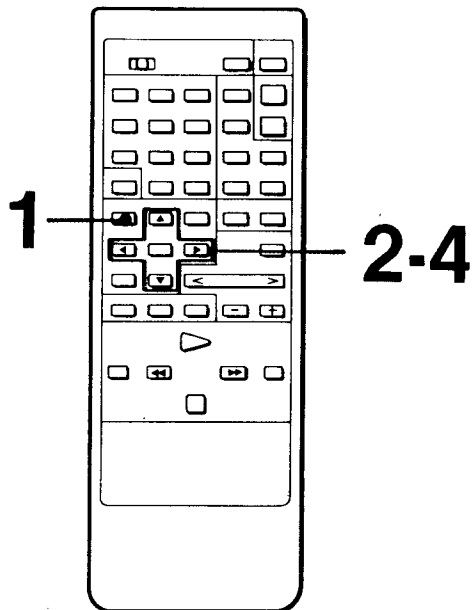
Notes

- If other timer recording remain in the memory after a timer recording is completed, TIMER REC-REW cannot be activated.
- If the tape comes to its end during timer recording, the tape will be rewound to the recording start point and the power will be turned off.

To Check Timer Setting

You can make all the timer settings appear on the TV screen. This makes checking timer settings easy.

Use ▲ and ▼ to move cursor.



- 1 Before checking, press **TIMER REC ON/OFF** to get out of the timer recording standby mode and turn on the VCR.
Press **MENU**.
Main MENU will appear.

- 2 Move cursor to **TIMER SET/CHECK**.

```

MENU
AUTO MENU
▶TIMER SET/CHECK
MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION
    
```

- 3 Press **EXECUTE**.
TIMER SET/CHECK display will appear.

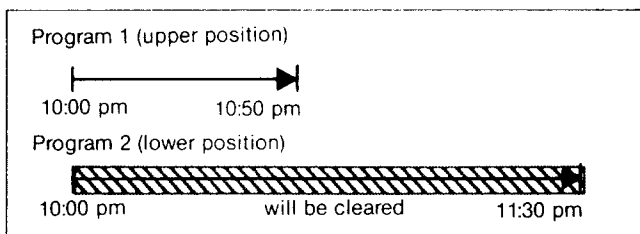
```

TIMER SET CHECK 8 4 FRI
DATE ON OFF CH
▶8/4 FRI AM 7 00AM 8 00 12 SP
8/15TUE PM12 00PM 2 15 LINE2 EP
9/3 SUN PM 1 00PM 2 00 LINE1 SP
MON-FRI PM11 00PM11 15 6 EP
MON-SAT AM 8 15AM 8 30 15 SP
SUN-SAT PM 9 00PM11 00 10 EP
EVERYSATPM 8 00PM 8 54 8 EP
8 27SUNAM10 00AM12 00 50 SP
    
```

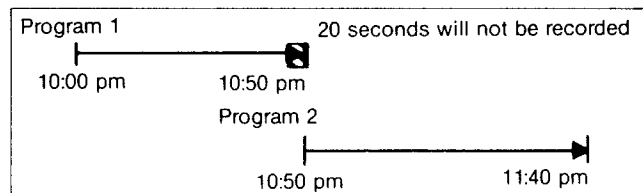
- 4 To erase the list, press **EXECUTE**.

When the Presettings of Timer Recordings Overlap

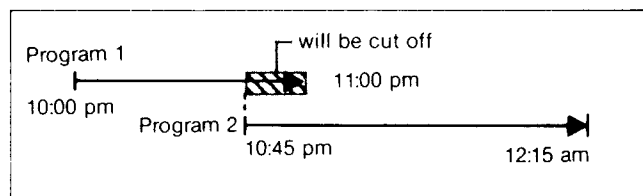
- 1 If the turn-on time of two programs are the same
The recording of the upper position on the **TIMER SET/CHECK** menu will be made. The memory of the program of the lower position will be cleared.



- 2 If the recording start time of program 2 is the same as the recording end time of program 1
The last 20 seconds of program 1 will not be recorded.



- 3 If the recording start time of program 2 comes before the recording of program 1 is finished
The recording of program 2 will begin before program 1 is finished.



Problems When TIMER REC ON/OFF is Pressed

The cassette is ejected automatically.	The safety tab of the inserted cassette has been broken off.
The TIMER indicator does not appear.	<ul style="list-style-type: none"> •No cassette has been inserted. •The tape is at its end.

Information about timer recording

- When the recording is completed, the memory of the program will be erased if it is for only one day.
- If the tape reaches at its end before the turn-off time, recording will stop and the power will turn off.

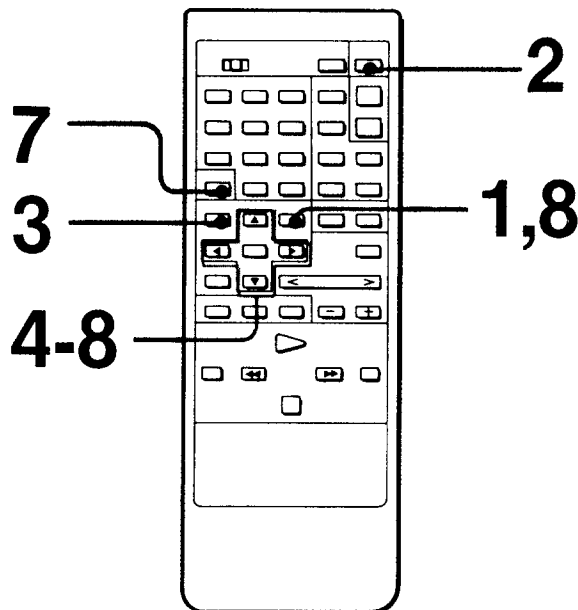
If a power-interruption occurs

- If a power interruption lasting less than approximately 3 hours occurs while the VCR is waiting for a preset time, the VCR will enter the standby mode for timer recording again. (If a power interruption lasting more than approximately 3 hours occurs before a timer recording the memory will be cleared. Reset the date and time, then preset the date for the timer recording again.)
- If a power interruption lasting less than approximately 3 hours occurs during a timer recording, the VCR will start recording again and the tape counter will indicate "0H00M00S."

To Cancel or Change the Timer Settings

You can also cancel or change the timer settings on the TV screen. First, display the TIMER SET/CHECK display. Then select the program and cancel or change it.

Use ▲ and ▼ to move cursor.
Use ► and ◀ to blink items.



1 If **TIMER REC** display is on, press **TIMER REC ON/OFF** so that the **TIMER REC** display disappear.

2 If the power is off, press **POWER** to turn the power on.

3 Press **MENU**.
Main **MENU** will appear.

4 Move cursor to **TIMER SET/CHECK**.

```
MENU
AUTO MENU
▶TIMER SET/CHECK
MODE SET
TUNER PRESET
FUNCTION MEMORY
CLOCK SET
DEMONSTRATION
```

5 Press **EXECUTE**.
TIMER SET/CHECK display will appear.

```
TIMER  SET CHECK  8 4  FRI
DATE  ON  OFF  CH
▶8/4  FRI  AM 7 00AM 8 00  12  SP
8/15TUE PM12 00PM 2 15 LINE2 EP
8/3  SUN  PM 1 00PM 2 00 LINE1 SP
MON-FRI: PM11 00PM 1 15  6  EP
MON-SAT AM 8 15AM 8 30  15  SP
SUN-SAT PM 9 00PM 11 00  10  EP
EVERYSATPM 8 00PM 8 54  8  EP
8 27SUNAM10 00AM12 00  50  SP
```

6 Move cursor to the desired program.

7 To cancel it, press **TIMER CLEAR**.
To change it, move the blinking position to the desired item and make the change.

```
TIMER  SET CHECK  8 4  FRI
DATE  ON  OFF  CH
8/4  FRI  AM 7 00AM 8 00  12  SP
8/15TUE PM12 00PM 2 15 LINE2 EP
▶MON-FRI PM11 00PM 11 15  6  EP
MON-SAT AM 8 15AM 8 30  15  SP
SUN-SAT PM 9 00PM 11 00  10  EP
EVERYSATPM 8 00PM 8 54  8  EP
8 27SUNAM10 00AM12 00  50  SP
```

```
TIMER  SET CHECK  8 4  FRI
DATE  ON  OFF  CH
8/4  FRI  AM 7 00AM 8 00  12  SP
8/15TUE PM12 00PM 2 15 LINE2 EP
▶8/20SUN PM 1 30PM 3 00 LINE1 EP
MON-FRI PM11 00PM 11 15  6  EP
MON-SAT AM 8 15AM 8 30  15  SP
SUN-SAT PM 9 00PM 11 00  10  EP
EVERYSATPM 8 00PM 8 54  8  EP
8 27SUNAM10 00AM12 00  50  SP
```

8 Press **EXECUTE** to return to the original screen.
Press **TIMER REC ON/OFF** to return to timer recording standby mode.

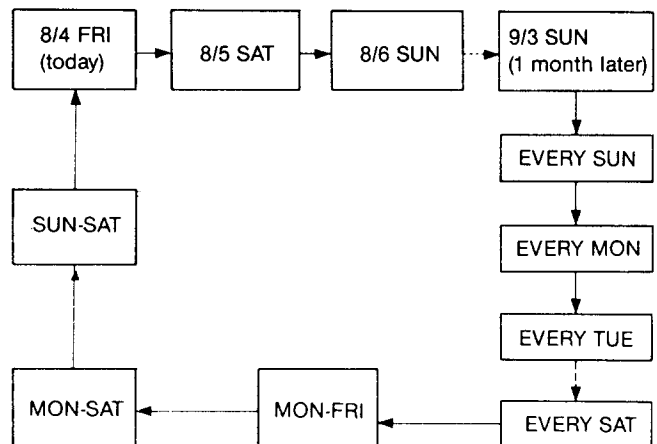
Every Week Recording and Every Day Recording

You can preset every week or every day timer recordings. This function is convenient if, for example, you wish to record the same movie program every Friday from 9:00 PM to 11:00 PM on channel 8.

Operation

Use ▲ and ▼ to move cursor and to change items.
Use ► and ◀ to blink items.

- 1 Press **MENU**.
Main MENU will appear.
- 2 Move cursor to **TIMER SET/CHECK**.
- 3 Press **EXECUTE**.
- 4 Make the **DATE** position blink.
- 5 Change the date by pressing ▲.
The date changes as follows.

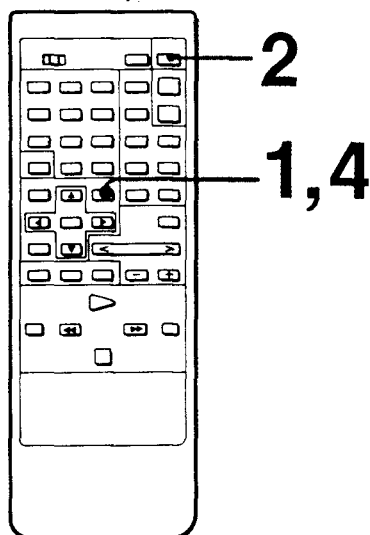


Press ▼ for the reverse direction.

EVERY SUN — EVERY SAT At the same time on the same day every week
MON — FRI At the same time every day from Monday to Friday
MON — SAT At the same time every day from Monday to Saturday
SUN — SAT At the same time every day

- 6 According to steps 6 to 12 on page 41, follow the necessary procedure.

If you want to use the VCR in the timer recording standby mode, you must cancel the standby mode.



1 Press **TIMER REC ON/OFF** so that the **TIMER REC** indicator in the display window disappears.

2 Turn on the power of the VCR.

3 Operate the VCR.

4 After the operation, press **TIMER REC ON/OFF** so that the **TIMER REC** indicator appears.

To stop a timer recording after recording has started
Press **TIMER REC ON/OFF**.

Buttons which can be operated during timer recording

- **TIMER REC ON/OFF**
- **COUNTER RESET**
- **ANT TV/VTR**, (to watch the picture broadcast on another channel)
- **DATA SCREEN**
- **TIMER SET/CHECK** (During recording, checking another setting is possible. But changing or canceling is not possible.)

Quick Timer Recording

This function is convenient, for example, when you want to begin recording a program immediately, and do something else.

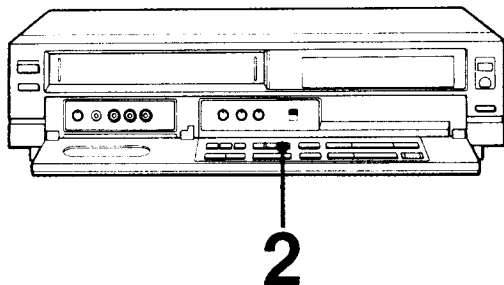
The timer can be set to operate within 8 hours in units of 30 minutes.

Before You Begin

- Set INPUT SELECT to TUNER (i.e. TUNER indicator appears.)
- Set the tape speed to SP or EP with **REC MODE**.
- REC LEVEL must be set to the indented position.
- The TIMER REC indicator must not be displayed. Press **TIMER REC ON/OFF** if the indicator is lit.

Operation

If you are recording now, perform only step 3.

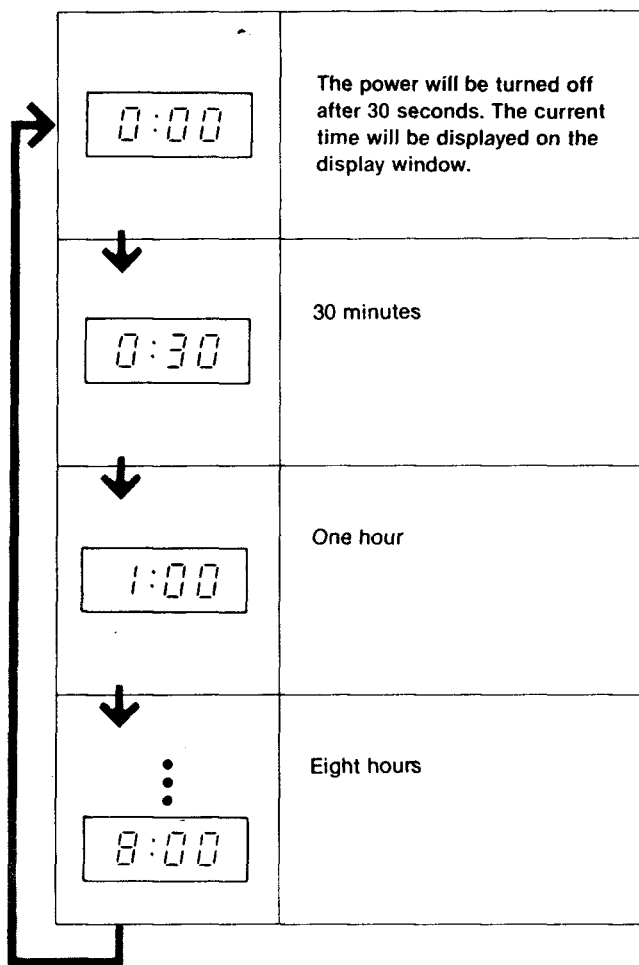


- 1** Insert a cassette.
- 2** Press **QUICK TIMER** on the VCR. During the channel display is blinking, select the desired channel with **CHANNEL +/–** or the channel number buttons. Check INPUT SELECT and the tape speed.
- 3** Press **QUICK TIMER** again so that recording starts. Now decide the recording duration. Every time you press **QUICK TIMER**, the recording duration displayed will increase by 30 minutes.

You can leave the unit after turning off the TV. The power of the VCR will be turned off automatically at the preset time.

Recording Duration Indication

Every time you press **QUICK TIMER**, the recording duration indication will change as shown below.



You can change the recording duration with **QUICK TIMER** even during quick timer recording. During recording, the displayed recording duration will decrease minute by minute.

Operable Buttons During Quick Timer Recording

PAUSE	To stop quick timer recording momentarily
TIMER REC ON/OFF	To stop quick timer recording
QUICK TIMER	To change recording duration
COUNTER RESET	To reset the tape counter to zero
INDEX MARK	To mark an index signal
ANT TV/VTR	To watch the picture broadcast on another channel
MENU	Only to check timer recording settings

If the tape runs out during quick timer recording
Recording will stop and the power will be turned off. The tape will not be rewound automatically.

If a cassette without its safety tab is inserted
The cassette will be ejected automatically when you press **QUICK TIMER**.

If a power interruption occurs during quick timer recording
Recording will stop and the power will turn off. If the power interruption lasts less than three hours and power is restored before the end of the time set, recording will start again.

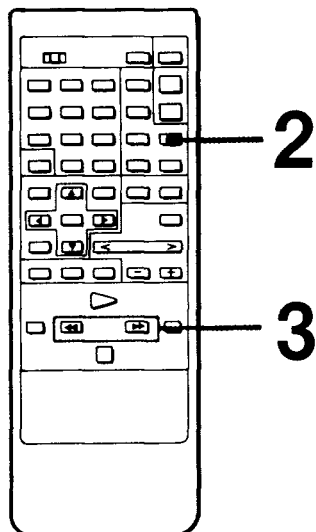
Troubleshooting

If any difficulty should arise during operation, first check the power cord connection, then go through the following list. Should the difficulty persist, unplug the unit, and contact your Sony dealer or local authorized Sony service facility.

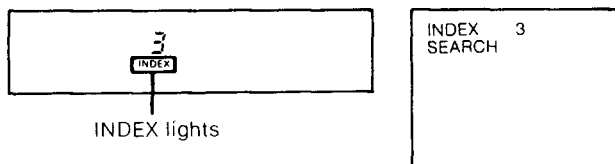
	Symptom	Possible causes and remedies
Power	The POWER switch does not function.	<ul style="list-style-type: none"> •The power cord is disconnected. •The VCR is in the timer standby mode.
	The power is turned off.	The safety device on the unit has been activated. Turn the power off, disconnect the power cord from the wall outlet and leave the unit turned off for more than 1 minute.
Clock and timer	The clock has stopped and "AM 12:00" is blinking.	There has been a power interruption. Reset the date, clock time and timer setting.
TV reception	TV program is not clearly displayed on the TV screen.	<ul style="list-style-type: none"> •The channel for VCR is not correctly tuned on the TV receiver. •The TV signal is weak. Adjust the direction of the antenna. •The AC power cord of the VCR is disconnected.
Recording and playback	Noisy picture during recording	<ul style="list-style-type: none"> •The TV's channel is not set to that preset for the VCR. •The TV signal is weak. Adjust the direction of the antenna.
	No picture on the TV screen	<ul style="list-style-type: none"> •Press TV/VTR so that the VTR indication appears in the display window. •The TV's channel is not set to 3 CH or 4 CH, or the video input has not been selected at the monitor.
	Recording cannot be made.	<ul style="list-style-type: none"> •No cassette has been inserted. •The tape is at its end. •INPUT SELECT is not set correctly.
	The playback picture is not clear.	<ul style="list-style-type: none"> •The channel for the VCR is not correctly tuned on the TV receiver. •A tape recorded on another VCR is being played back. •The video heads are dirty. Clean the heads using the Sony T-25CL video head cleaning cassette. For details on cleaning, refer to the instructions furnished with the cleaning cassette. If the cleaning cassette is not available in your area, have the heads cleaned at the nearest Sony facility. (Do not use a commercially available wet-type cleaning cassette. It damage the video heads.) •If you used a commercially available wet-type cleaning cassette, it may have damaged the video heads. •The video heads are worn out. •Adjust SHARPNESS. •Adjust TRACKING. •When an LP mode tape is inserted, the auto tracking function is not operable.

Index Search

You can locate a particular program and play it back automatically by designating the number of its index signal.
Up to 19 index signals from the preset position on the tape can be located.



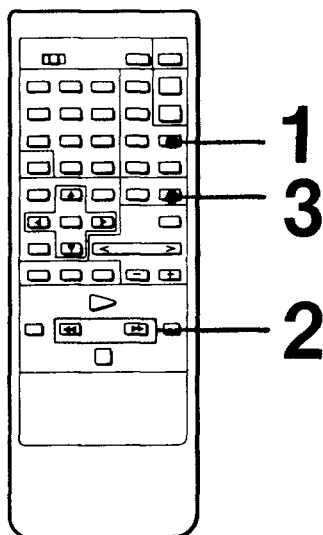
- 1 Insert a cassette that has index signal marked.
- 2 Press **INDEX** until the index number of the desired program is displayed.
The **INDEX** indicator and the **INDEX SEARCH** number will light up in the display window.



- 3 To locate a previous program on the tape, press **REW**.
To locate a program ahead, press **FF**.
The tape will be rewound or rapidly advanced.
Every time an index signal is detected, the **INDEX SEARCH** number will decrease. When the number reaches 0, playback of your desired program will begin.

To Erase Index Signals

You can erase unnecessary index signals.



- 1 Press **INDEX** once.
- 2 Press **REW** or **FF**.
The tape will be rewound or rapidly advanced. Every time an index signal is detected, the tape will be played back and then rewound or advanced to the next index signal.
- 3 Press **ERASE** within approximately 10 seconds after you have verified the playback picture.
While the index signal is being erased, the recorded sound will not be heard, but it will not be erased.

Notes

- Index signals just before and after SP and EP are switched cannot be erased.
- Index signals on a LP tape cannot be erased.

Hi-fi Recording

What is Hi-fi Recording?

In conventional recording, audio signals are recorded on the audio track and video signals on the video track. In hi-fi recording, audio signals are recorded in the same manner as video signals, using two rotary hi-fi audio heads. Thus, high-quality sound recording is possible.

Before You Begin

- Your audio system must be correctly connected to the VCR. (See "Connections.") (page 17)
- The switches must be set as follows.
 - 1 INPUT SELECT — LINE 1 or LINE 2 to whichever your audio system is connected to
 - 2 REC MODE — SP or EP
 - 3 REC LEVEL
Manually adjust **REC LEVEL** while observing the **PEAK PROGRAM METER** when the sound to be recorded is played back.

When the recording source is a record or FM tuner

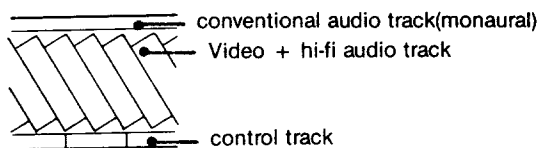
Adjust so that the right-most element sometimes lights up.

When the recording source is a compact disc or PCM digital audio processor

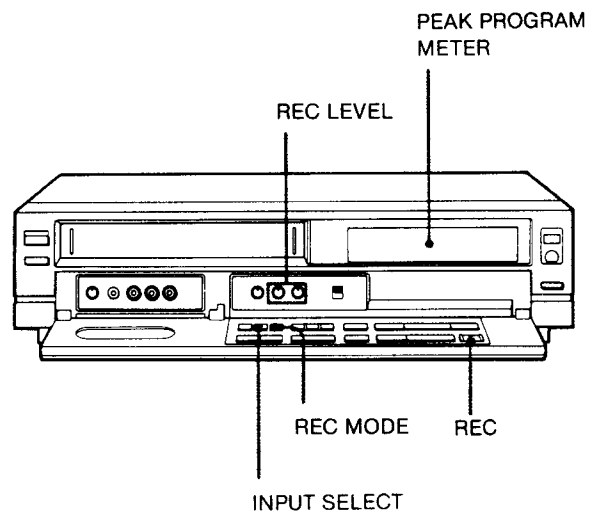
Adjust so that the right-most element lights up only at the highest signal level.

Hi-fi recording pattern on a tape

The VCR automatically performs hi-fi recording and conventional audio recording at the same time, so that these tapes can also be played back on any ordinary VCR without a hi-fi system.



Operation

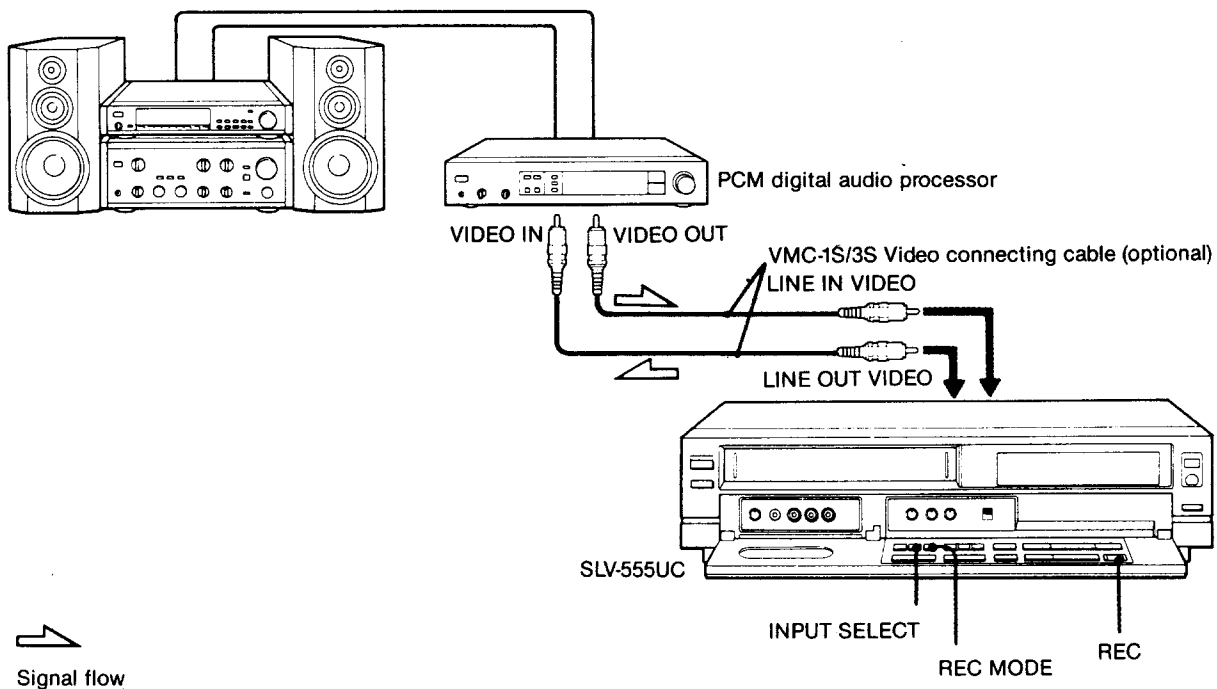


1 Insert a cassette.

2 Press the ● **REC** on the unit or the two ● **REC** buttons on the Commander simultaneously.

You can enjoy PCM recording and playback with the VCR.

Audio System



Signal flow

Before You Begin

- Your PCM digital audio processor and audio system must be correctly connected to the VCR.
- The switches must be set as follows:
 - INPUT SELECT — LINE 1 or LINE 2 (Select the input connected to the PCM digital audio processor)
 - REC MODE — SP or EP
- For details, refer to the instruction manual of the digital audio processor and the audio system.

Operation

- 1 Insert a cassette.
- 2 Press the ● REC on the unit or the two ● REC on the Commander simultaneously.

Editing with Another VTR

Using an additional VCR, you can create your own video program tape.

Before You Begin

When you use the SLV-555UC as the recording VCR

Before starting to edit, check the switches.

- INPUT SELECT — LINE 1 or LINE 2
(Select the input connected to another VCR)
- REC MODE — SP or EP
- REC LEVEL — Adjust according to another VCR

When you use the SLV-555UC as the playback VCR

Before starting to edit, do the followings:

Select the sound to be recorded with **AUDIO MONITOR** on the Commander.

Use of the EDIT button

Before editing, press **EDIT** so that the EDIT indicator lights in the display window.

Even when using the EDIT mode during editing, the quality of the edited tape will have a certain degree of deterioration in picture.

It is better to avoid dubbing from an edited tape.

Caution

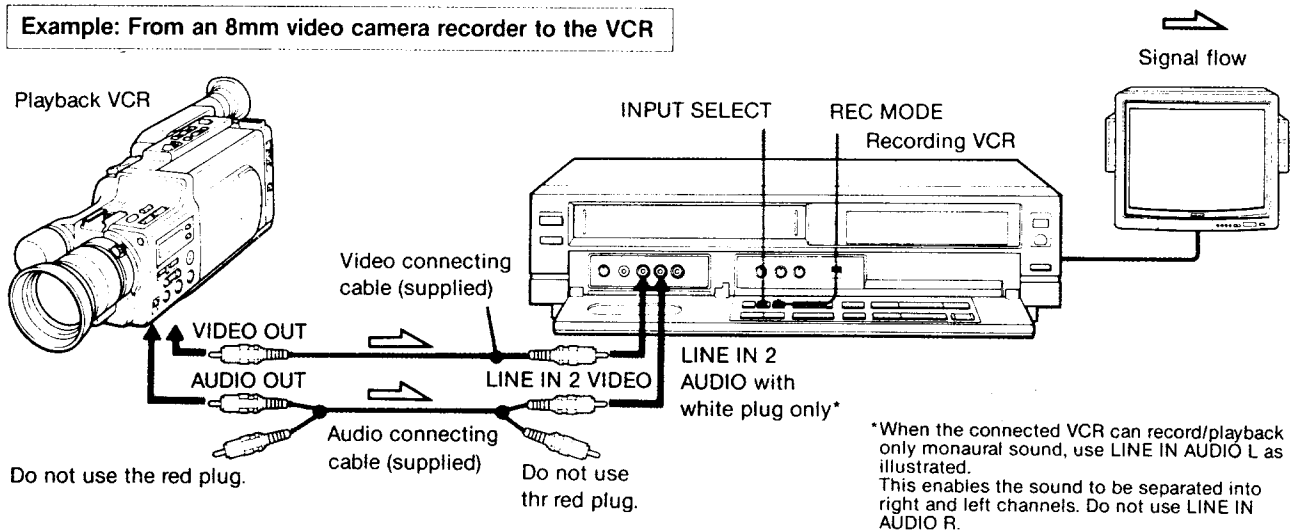
Television programs, films, video tapes and other materials may be copyrighted.

Unauthorized duplication of such material may be contrary to the provisions of the copyright laws.

Editing with Another VCR without a Sony Control Terminal

Editing a Home Movie Tape from Another VCR

Example: From an 8mm video camera recorder to the VCR

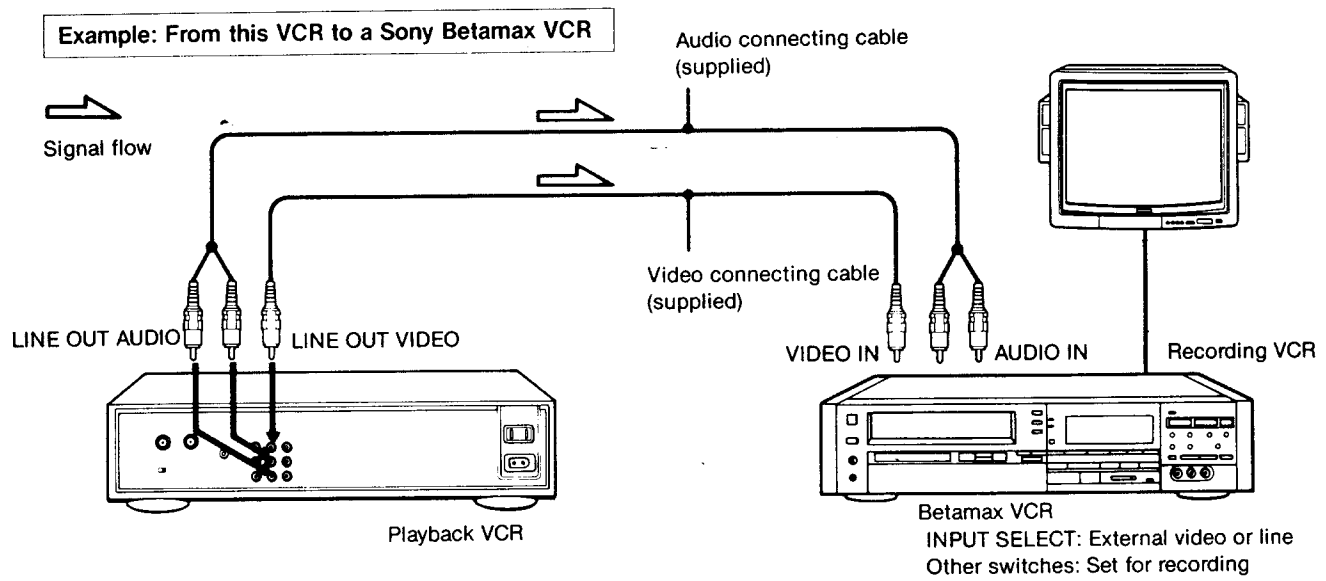


Operation

- 1 Turn on the power of the playback VCR and insert a source tape.
- 2 Insert a cassette for recording.
- 3 Press **EDIT** to light the indicator.
Activate the EDIT mode if the playback VCR has this function.
- 4 Find the playback start point and enter the playback pause mode.
- 5 Find the recording start point and enter the recording pause mode.
- 6 Press the pause button of both units simultaneously.
The other VCR will start playback and the VCR will start recording.

When editing is completed

Press the **STOP** button on both of the units.



- 1 Insert a source tape into this VCR.
- 2 Turn on the power of the recording VCR and insert a cassette for recording.
- 3 Press **EDIT** to light the EDIT indicator in the display window.
Activate EDIT function if the recording VCR has the function.
- 4 Find the playback start point and enter the the playback pause mode.
- 5 Find for the recording start point and enter the recording pause mode.
- 6 Press the **PAUSE** button on both of the units simultaneously.
The VCR will start playback and the other VCR will start recording.

When copying is completed

Press the STOP button on both of the units.

If the connected VCR is monaural

- Use the RK-C71 connecting cable instead of the supplied audio connecting cable.
- To play back a cassette tape on which an MTS broadcast has been recorded, select the monitor sound with **AUDIO MONITOR** on the Commander.

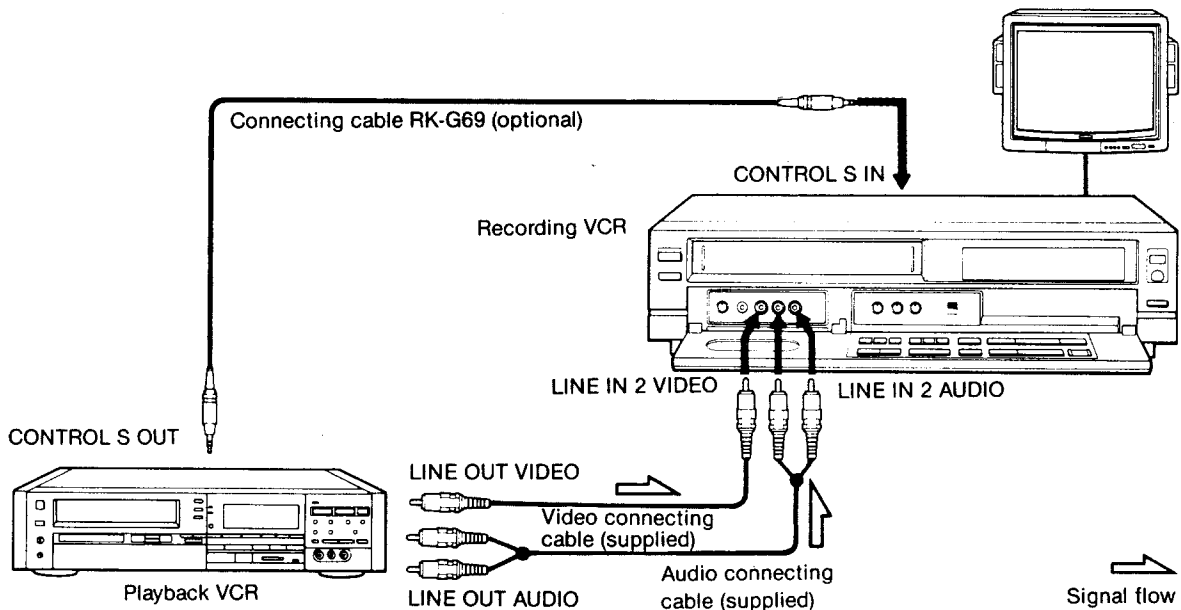
Note

Do not connect the same VCR to both the LINE IN and LINE OUT jacks of the VCR. This may cause a humming noise.

Editing with Another VCR with a Control S Out Jack and Synchro Edit Function

Editing a home movie tape from another VCR

Example: From a Sony Betamax VCR to this VCR



Operation

- 1 Turn on the power of the playback VCR and insert a source tape. Activate the EDIT function if the VCR has it.
- 2 Insert a cassette for recording into this VCR.
- 3 Find the edit start point on the recording VCR and enter the recording pause mode.
- 4 Find the playback start point on the playback VCR and enter the playback pause mode.
- 5 Press the SYNCHRO EDIT button on the playback VCR. The other VCR will start playback and this VCR will start recording.
- 6 Press the SYNCHRO EDIT button on the playback VCR at the end point of the edit. The playback VCR will enter the playback pause mode and this VCR will enter recording pause mode.

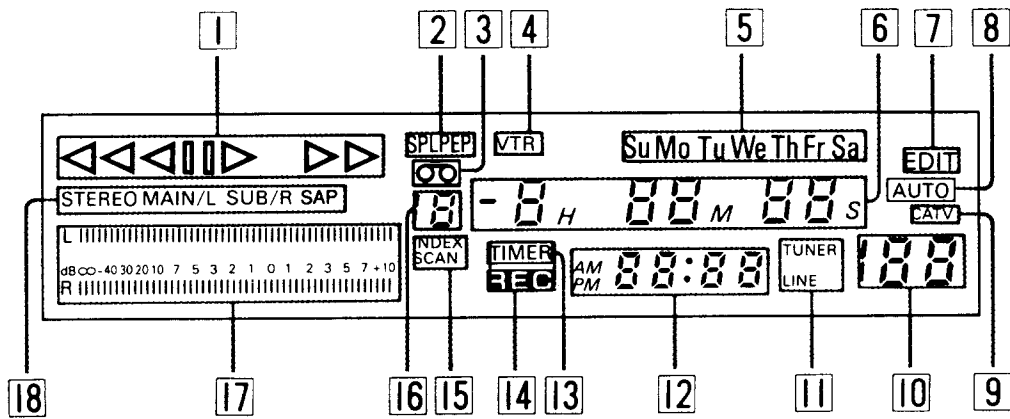
To edit the next scene

Repeat steps 3 to 6. (Step 4 is not necessary.)

When editing is completed

Press the stop button on both of the units.

Indications in the Display Window



- 1 Tape transport indicator
- 2 Tape speed indicator (LP is for playback only)
- 3 Cassette indicator
- 4 VTR indicator
- 5 Day of the week indicator
- 6 Linear time counter
- 7 EDIT indicator
- 8 Automatic function indicator
- 9 CATV indicator
- 10 Channel number and input mode
- 11 Input mode indicators
- 12 Current time
- 13 TIMER recording indicator
Appears while the VCR is performing timer-recording, is waiting for the turn-on time of timer recording, or is performing quick timer recording.
- 14 REC (recording) indicator
Appears while the VCR is performing normal recording, timer recording, is waiting for the turn-on time of timer-recording, or is performing quick timer recording.
- 15 INDEX, INDEX SCAN indicator
- 16 INDEX number
- 17 Peak program meter
- 18 Stereo program/SAP indicator

Troubleshooting

If any difficulty should arise during operation, first check the power cord connection, then go through the following list. Should the difficulty persist, unplug the unit, and contact your Sony dealer or local authorized Sony service facility.

	Symptom	Possible causes and remedies
Power	The POWER switch does not function.	<ul style="list-style-type: none"> •The power cord is disconnected. •The VCR is in the timer standby mode.
	The power is turned off.	The safety device on the unit has been activated. Turn the power off, disconnect the power cord from the wall outlet and leave the unit turned off for more than 1 minute.
Clock and timer	The clock has stopped and "AM 12:00" is blinking.	There has been a power interruption. Reset the date, clock time and timer setting.
TV reception	TV program is not clearly displayed on the TV screen.	<ul style="list-style-type: none"> •The channel for VCR is not correctly tuned on the TV receiver. •The TV signal is weak. Adjust the direction of the antenna. •The AC power cord of the VCR is disconnected.
Recording and playback	Noisy picture during recording	<ul style="list-style-type: none"> •The TV's channel is not set to that preset for the VCR. •The TV signal is weak. Adjust the direction of the antenna.
	No picture on the TV screen	<ul style="list-style-type: none"> •Press TV/VTR so that the VTR indication appears in the display window. •The TV's channel is not set to 3 CH or 4 CH, or the video input has not been selected at the monitor.
	Recording cannot be made.	<ul style="list-style-type: none"> •No cassette has been inserted. •The tape is at its end. •INPUT SELECT is not set correctly.
	The playback picture is not clear.	<ul style="list-style-type: none"> •The channel for the VCR is not correctly tuned on the TV receiver. •A tape recorded on another VCR is being played back. •The video heads are dirty. Clean the heads using the Sony T-25CL video head cleaning cassette. For details on cleaning, refer to the instructions furnished with the cleaning cassette. If the cleaning cassette is not available in your area, have the heads cleaned at the nearest Sony facility. (Do not use a commercially available wet-type cleaning cassette. It damage the video heads.) •If you used a commercially available wet-type cleaning cassette, it may have damaged the video heads. •The video heads are worn out. •Adjust SHARPNESS. •Adjust TRACKING. •When an LP mode tape is inserted, the auto tracking function is not operable.

	Symptom	Possible causes and remedies
Recording and playback	The picture moves vertically during picture search mode.	Adjust the vertical hold control on the TV or color monitor.
	Distorted or noisy sound	Recording level was not properly adjusted.
	Sound drop-out	<ul style="list-style-type: none"> •The tape is defective. •Use a new video cassette tape.
	Stereo recording cannot be made.	AUTO STEREO is set to OFF. (MONO)
	Both main and SAP sounds are heard when playing back a tape on which an MTS broadcast was recorded.	Select OFF on the AUDIO MIX setting.
	No sound is recorded in the normal track.	NORMAL AUDIO is set to SAP when there is no SAP broadcast.
Timer recording	Timer setting cannot be made.	The current time has not been preset.
	The TIMER indicator disappears even though you pressed TIMER REC ON/OFF.	<ul style="list-style-type: none"> •No cassette has been inserted. •The tape is at its end. •No timer recording setting is set.
	The cassette is ejected when you press TIMER REC ON/OFF.	The safety tab of the cassette has been broken off.
	Timer recording was not be made.	<ul style="list-style-type: none"> •There had been a power interruption of 3 hours or more. •TIMER REC ON/OFF was not pressed.
Data screen	The data screen disappears	<ul style="list-style-type: none"> •Press DATA SCREEN. •The TV or color monitor is connected through the LINE OUT jack.
Others	Cassette cannot be inserted	Another cassette is already in the compartment.
	The Commander cannot be operated.	<ul style="list-style-type: none"> •The COMMAND MODE switch has not been set correctly. •The batteries are exhausted.
	When trying to operate the VCR with the Commander, the VCR beeps.	<p>The beep shows that the operation is not possible. EX.</p> <ul style="list-style-type: none"> •When you try to preset channels during recording •When you try to execute an AUTO MENU function during playback •When you try to set a timer recording before setting the clock

Specifications

System

Video recording system	Rotary two-head helical scanning FM system
Audio recording system	Rotary two-head hi-fi system (Recording on the conventional audio track is monaural)
Video signal	EIA standard, NTSC color
Tape speed	SP: 33.35mm (1 3/8 inches)/second EP: 11.11mm (7/16 inches)/second LP: 22.22mm (7/8 inches)/second (playback only)
Maximum recording/ playback time	8 hours (EP), (T-160)
Fast-forward and rewind time	Approx. 4 min. (T-120)
HIGH SPEED REWIND time	Approx. 2 min. 30 sec. (T-120)
Audio frequency response	20Hz — 20kHz
Dynamic range	More than 90 dB
Wow and flutter	Less than 0.005%

Tuner section

Tuner system (audio)	Split inter carrier system
Channel coverage	VHF channels 2 to 13 UHF channels 14 to 69 CATV channels A-8 to A-1 A to W W+1 to W+84
Antenna	75 ohm antenna terminal for VHF/UHF

INPUT and OUTPUT

LINE IN 1 and 2	VIDEO IN (phono jack) (1 each) input signal: 1Vp-p, 75 ohms, unbalanced, sync negative AUDIO IN (phono jack) (2 each) Input level: -7.5dBs (0 dBs= 0.775Vrms) Input impedance: more than 47 kilohms
LINE OUT	VIDEO OUT (phono jack) (1) Output signal: 1Vp-p, 75 ohms, unbalanced, sync negative AUDIO OUT (phono jack) (2) Standard output: -7.5 dBs at load impedance 47 kilohms Output impedance :less than 10 kilohms
MONITOR OUT	VIDEO OUT (phono jack) (1) Output signal: 1Vp-p, 75 ohms, unbalanced, sync negative AUDIO OUT (phono jack) (2) Standard output: -7.5dBs at load impedance 47 kilohms Output impedance: less than 10 kilohms
CONTROL S IN	Minijack (1)
HEADPHONEs jack	Stereo minijack (1) Output impedance:more than 8 ohms Output level: 45 mW at load impedance 8 ohms

Sony Corporation Printed in Japan

Timer section

Clock	Quartz locked
Time indication	12-hour cycle
Timer setting	Only for recording 8 programs over one month at max.
Power back up	Built-in self-charging battery Back-up duration: Up to 3 hours at one time

General

Power requirements	120V AC, 60 Hz
Power consumption	33 W
AC outlet	Max. 400 W (unswitched)
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions	430 × 99 × 357 mm (w/h/d) (17 × 4 × 14 1/8 inches)
Weight	5.9 kg (13 lb)

Wireless Commander RMT-V555A

Remote control system	Infrared control
Command mode	VTR1/VTR2/VTR3 selectable
Power requirements	3V DC, 2 size AA batteries (IEC designation R6)
Dimensions	62 × 20 × 175 mm (w/h/d) (2-1/2 × 13/16 × 7 inches)
Weight	100 g (3.5 oz) (excluding batteries)

Accessories supplied

Wireless commander RMT-V555A with two size AA batteries (IEC designation R6)	(1)
75-ohm coaxial cable with F-type connectors	(1)
Audio connecting cable (2 phono to 2 phono)	(1)
Video connecting cable (Phono to phono)	(1)
Antenna connector	(1)
AC power cord	(1)

Design and specifications are subject to change without notice.