

# ***Video Cassette Recorder***

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Operating Instructions



***SLV-SE70EE***    **Hi-Fi**  
***SLV-SE50EE***

## WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Mains lead must only be changed at a qualified service shop.

## Precautions

### Safety

- This unit operates on 220 – 240 V AC, 50 Hz. Check that the unit's operating voltage is identical with your local power supply.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- The unit is not disconnected from the mains as long as it is connected to the mains, even if the unit itself has been turned off.
- Unplug the unit from the wall outlet if you do not intend to use it for an extended period of time. To disconnect the cord, pull it out by the plug, never by the cord.

### Installing

- Allow adequate air circulation to prevent internal heat buildup.
- 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.
- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and cassettes away from equipment with strong magnets, such as microwave ovens or large loudspeakers.
- Do not place heavy objects on the unit.
- If the unit is brought directly from a cold to a warm location, moisture may condense inside the VCR and cause damage to the video head and tape. When you first install the unit, or when you move it from a cold to a warm location, wait for about three hours before operating the unit.

## Caution

Television programmes, 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 transmitter and/or programme owner.

## Compatible colour systems

This VCR is designed to record using the PAL (B/G or D/K) or MESECAM (B/G or D/K) colour system and play back using the PAL (B/G or D/K), MESECAM (B/G or D/K), and NTSC 4.43 colour systems.

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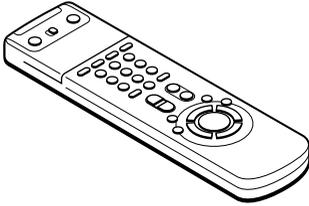
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# Step 1

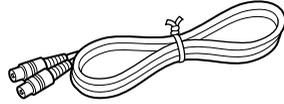
## Unpacking

Check that you have received the following items with the VCR:

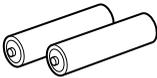
- Remote commander



- Aerial cable



- R6 (size AA) batteries



### Checking your model name

The instructions in this manual are for the 2 models: SLV-SE70EE and SE50EE. Check your model number by looking at the rear panel of your VCR. The SLV-SE70EE is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, “SLV-SE50EE only.”

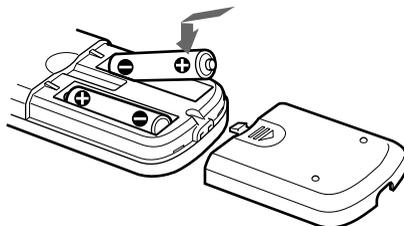
## Step 2

# Setting up the remote commander

### Inserting the batteries

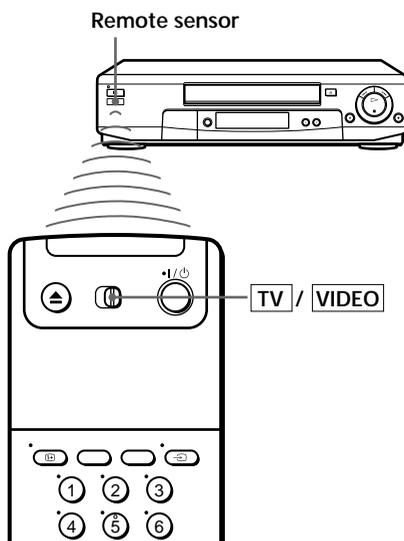
Insert two R6 (size AA) batteries by matching the + and - on the batteries to the diagram inside the battery compartment.

Insert the negative (-) end first, then push in and down until the positive (+) end clicks into position.



### Using the remote commander

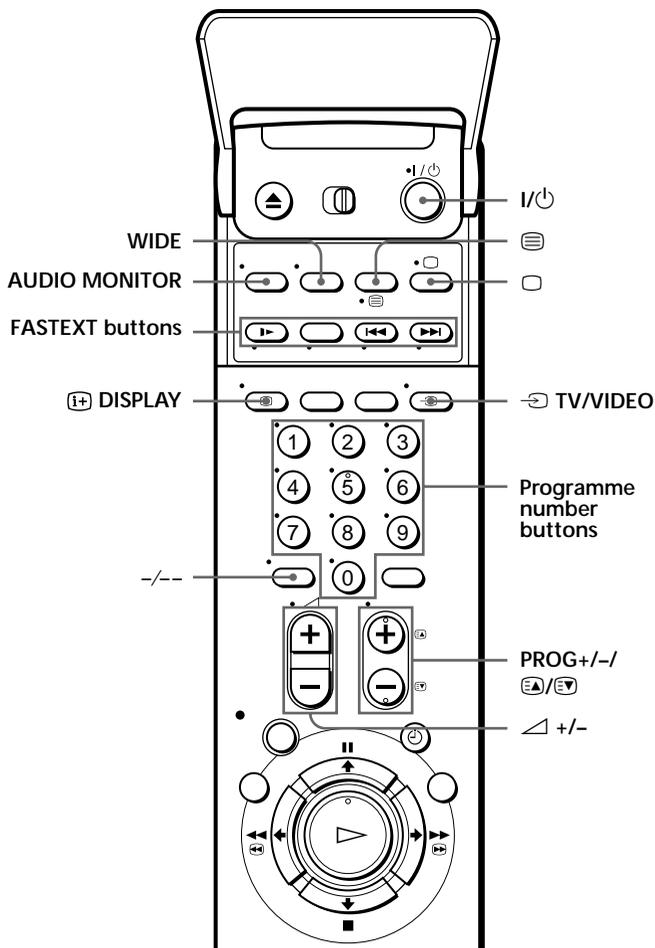
You can use this remote commander to operate this VCR and a Sony TV. Buttons on the remote commander marked with a dot (•) can be used to operate your Sony TV. If the TV does not have the  symbol near the remote sensor, this remote commander will not operate the TV.



To operate	Set <b>TV</b> / <b>VIDEO</b> to
the VCR	<b>VIDEO</b> and point at the remote sensor on the VCR
a Sony TV	<b>TV</b> and point at the remote sensor on the TV

continued

## Step 2 : Setting up the remote commander (continued)



### TV control buttons

To	Press
Turn the TV into standby mode	I/⏻
Select an input source of the TV either from aerial in or from line in	TV/VIDEO
Select the programme position of the TV	Programme number buttons, -/--, PROG +/-

To	Press
Adjust the volume of the TV	+/-
Switch to TV (Teletext off)	(TV)
Switch to Teletext	(Teletext)
Select the sound	AUDIO MONITOR
Use FASTTEXT	FASTTEXT buttons
Call up on-screen display	DISPLAY
Change the Teletext page	/
Switch to/from wide mode of a Sony wide TV (For other manufacture's wide TV, see "Controlling other TVs with the remote commander" below.)	WIDE

#### Notes

- With normal use, the batteries should last about three to six months.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not use a new battery with an old one together.
- Do not use different types of batteries together.
- Some buttons may not work with certain Sony TVs.

## Controlling other TVs with the remote commander

The remote commander is preprogrammed to control non-Sony TVs. If your TV is listed in the table below, set the appropriate manufacturer's code number.

- 1 Set at the top of the remote commander to .
- 2 Hold down , and enter your TV's code number(s) using the programme number buttons. Then release .

Now you can use the following TV control buttons to control your TV: , TV/VIDEO, programme number buttons, -- (ten's digit), PROG +/-, +/-, (TV), (Teletext), FASTTEXT buttons, WIDE\*, MENU\*, \*/\*/\*/\*, and OK\*.

\* These buttons may not work with all TVs.

#### Tip

- When you set your TV's code number correctly while the TV is turned on, the TV turns off automatically.

continued

## Step 2 : Setting up the remote commander (continued)

### Code numbers of controllable TVs

If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

To make wide mode settings, see the footnotes below this table for the applicable code numbers.

Manufacturer	Code number	Manufacturer	Code number
Sony	01* <sup>1</sup> , 02	Panasonic	17* <sup>1</sup> , 49
Akai	68	Philips	06* <sup>1</sup> , 07* <sup>1</sup> , 08* <sup>1</sup>
Ferguson	52	Saba	12, 13
Grundig	10* <sup>1</sup> , 11* <sup>1</sup>	Samsung	22, 23
Hitachi	24	Sanyo	25
JVC	33	Sharp	29
Loewe	45	Telefunken	36
Mivar	09, 70	Thomson	43* <sup>2</sup>
NEC	66	Toshiba	38
Nokia	15, 16, 69* <sup>3</sup>		

\*<sup>1</sup> Press WIDE to switch the wide picture mode on or off.

\*<sup>2</sup> Press WIDE, then press  $\triangleleft$  +/- to select the wide picture mode you want.

\*<sup>3</sup> Press WIDE. The menu appears on the TV screen. Then, press  $\uparrow$ / $\downarrow$ / $\leftarrow$ / $\rightarrow$  to select the wide picture you want and press OK.

### Notes

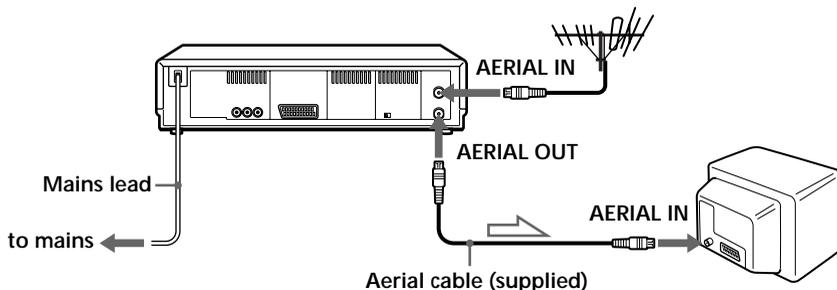
- If the TV uses a different remote control system from the one programmed to work with the VCR, you cannot control your TV with the remote commander.
- If you enter a new code number, the code number previously entered will be erased.
- When you replace the batteries of the remote commander, the code number may change. Set the appropriate code number every time you replace the batteries.

## Step 3

# Connecting the VCR

If your TV has a EURO-AV connector, see page 10.

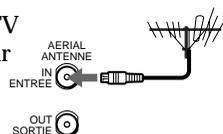
## If your TV does not have a EURO-AV (Scart) connector



 : Signal flow

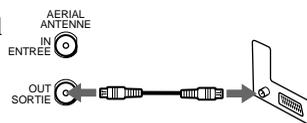
### 1

Disconnect the aerial cable from your TV and connect it to AERIAL IN on the rear panel of the VCR.



### 2

Connect AERIAL OUT of the VCR and the aerial input of your TV using the supplied aerial cable.



### 3

Connect the mains lead to the mains.

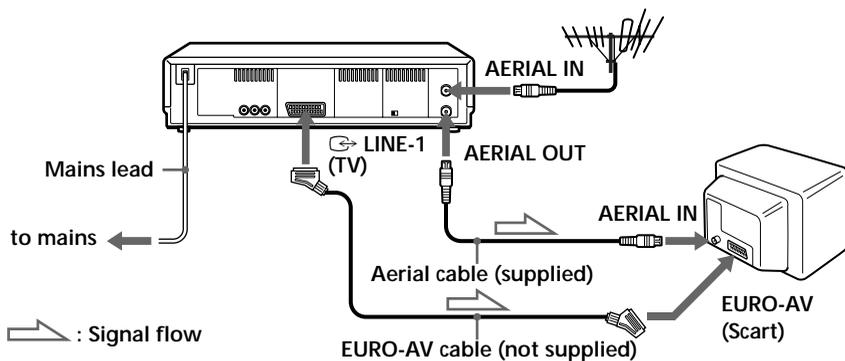
#### Note

- When you connect the VCR and your TV only with an aerial cable, you have to set RF MODULATOR in the OPTIONS-2 menu to ON (initial setting) (see page 57).

continued

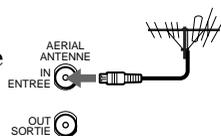
### Step 3 : Connecting the VCR (continued)

#### If your TV has a EURO-AV (Scart) connector



1

Disconnect the aerial cable from your TV and connect it to AERIAL IN on the rear panel of the VCR.



2

Connect AERIAL OUT of the VCR and the aerial input of your TV using the supplied aerial cable.

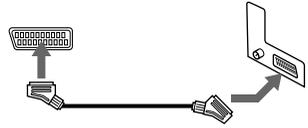


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**3**

Connect LINE-1 (TV) on the VCR and the EURO-AV (Scart) connector on the TV with the optional EURO-AV cable.

This connection improves picture and sound quality. Whenever you want to watch the VCR picture, press  TV/VIDEO to display the VIDEO indicator in the display window.



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**4**

Connect the mains lead to the mains.

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**Note**

- If the TV is connected to the LINE-1 (TV) connector, setting the RF MODULATOR in the OPTIONS-2 menu to OFF is recommended. In the OFF position, only the signal from the aerial is output through the AERIAL OUT connector (see page 57). You do not have to tune your TV to the VCR. Skip “Tuning your TV to the VCR” on page 14.

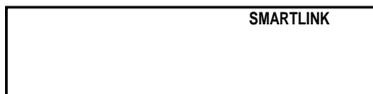
**continued**

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## Step 3 : Connecting the VCR (continued)

### About the SMARTLINK features (SLV-SE50EE only)

If the connected TV complies with SMARTLINK, MEGALOGIC<sup>\*1</sup>, EASYLINK<sup>\*2</sup>, Q-Link<sup>\*3</sup>, or EURO VIEW LINK<sup>\*4</sup>, you can use the SMARTLINK function after you complete the steps on the



previous page (the SMARTLINK indicator appears in the VCR's display window when you turn on the TV). You can enjoy the following SMARTLINK features.

- **Preset Download**  
You can download your TV tuner preset data to this VCR and tune the VCR according to that data in Auto Set Up. This greatly simplifies the Auto Set Up procedure. Be careful, not to disconnect the cables or exit the Auto Set Up function during the procedure.  
See "Setting up the VCR with the Auto Set Up function" on page 16.
- **TV Direct Rec**  
You can easily record what you are watching on the TV (other than tapes being played on this VCR). For details, see "Recording what you are watching on the TV (TV Direct Rec)" on page 38.
- **One Touch Play**  
With One Touch Play, you can start playback automatically without turning on the TV. For details, see "Starting playback automatically with one button (One Touch Play)" on page 33.
- **One Touch Menu**  
You can turn on the VCR and TV, set the TV to the video channel, and display the VCR's on-screen display automatically by pressing MENU on the remote commander.
- **One Touch Timer**  
You can turn on the VCR and TV, set the TV to the video channel, and display the TIMER menu automatically by pressing  TIMER on the remote commander.
- **Automatic Power Off**  
You can have the VCR turn off automatically, if the VCR is not used after you turn off the TV.

\*1 "MEGALOGIC" is a registered trademark of Grundig Corporation.

\*2 "EASYLINK" is a trademark of Philips Corporation.

\*3 "Q-Link" is a trademark of Panasonic Corporation.

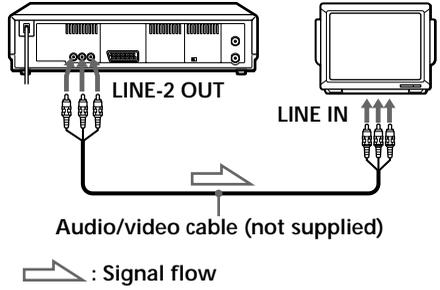
\*4 "EURO VIEW LINK" is a trademark of Toshiba Corporation.

#### Note

- Not all the TVs respond to the functions above.

## Additional connections

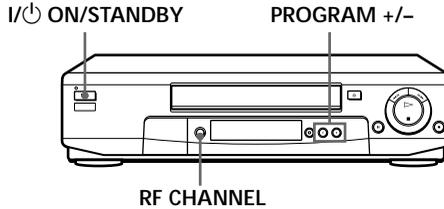
This additional connection improves picture and sound quality. If your TV has LINE IN connector, connect your TV by using audio/video cable as shown on the right. Whenever you want to watch the VCR picture, press  TV/VIDEO to display the VIDEO indicator in the display window.



## Step 4

# Tuning your TV to the VCR

If you have connected the VCR to your TV using the EURO-AV cable, skip this step.



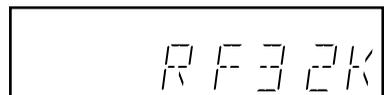
- 
- 1**  Press I/ON/STANDBY to turn on the VCR.

- 
- 2**  Press RF CHANNEL on the VCR lightly.  
The factory-preset RF channel appears in the display window.  
The VCR signal is output through this channel to the TV.



- 
- 3** Turn on your TV and select a programme position for the VCR picture.  
This programme position will now be referred to as the video channel.

- 
- 4**  Press RF CHANNEL.  
The TV system appears in the display window.



5



Press PROGRAM +/- (repeatedly) to select the appropriate TV system for your area. Select "G" for the B/G TV system, or "K" for the D/K TV system.

6

Tune the TV to the same channel as that shown in the display window so that the picture on the right appears clearly on the TV screen.

Refer to your TV manual for tuning instructions.

If you select the wrong TV system in step 5, the picture on the right may not appear. Select the appropriate TV system and tune the TV again.

If the picture does not appear clearly, see "To obtain a clear picture from the VCR" below.



7



Press RF CHANNEL.

You have now tuned your TV to the VCR. Whenever you want to play a tape, set the TV to the video channel.

#### To check to see if the TV tuning is correct

Set the TV to the video channel and press PROGRAM +/- on the VCR. If the TV screen changes to a different programme each time you press PROGRAM +/-, the TV tuning is correct.

#### To obtain a clear picture from the VCR

If the screen does not appear clearly in step 6 above, go to step 7 to finish this procedure once. Then start again from step 2. After pressing RF CHANNEL, press PROGRAM +/- while the RF channel is displayed, so that another RF channel appears. Then tune the TV to the new RF channel until a clear picture appears.

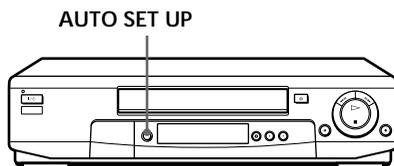
#### Note

- If you set the wrong TV system, you may have no sound or sound may be distorted.

## Step 4

# Setting up the VCR with the Auto Set Up function

Before using the VCR for the first time, set up the VCR using the Auto Set Up function. With this function, you can set the TV channels guided by the sequence indicated on the TV screen.



Hold down **AUTO SET UP** on the VCR for more than three seconds. The VCR automatically turns on.

The VCR starts searching for all of the receivable channels and presets them according to the TV system you selected in “Tuning your TV to the VCR.”



When no more receivable channels can be found, presetting stops and “SET UP” disappears from the display window.

### To cancel the Auto Set Up function

Press **AUTO SET UP**.

#### Tip

- The factory preset language for the on-screen display is English. If you want to change the language to Russian, see page 19.

#### Note

- Do not cancel the Auto Set Up function during presetting. If you do, repeat the step above.

## Step 6

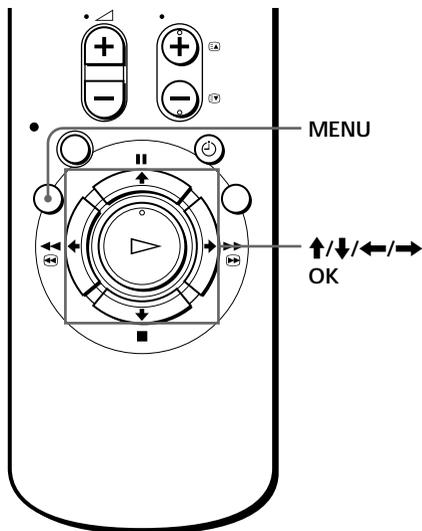
# Setting the clock

You must set the time and date on the VCR to use the timer recording features properly.

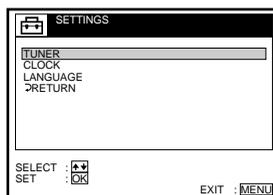
## Setting the clock manually

Before you start...

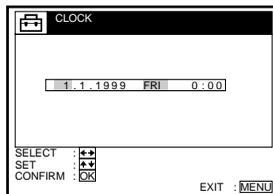
- Turn on the VCR and the TV.
- Set the TV to the video channel.



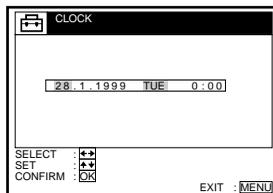
- 1 Press MENU, then press  $\uparrow/\downarrow$  to highlight SETTINGS and press OK.



- 2 Press  $\uparrow/\downarrow$  to highlight CLOCK, then press OK.



- 3 Press  $\uparrow/\downarrow$  to set the date.



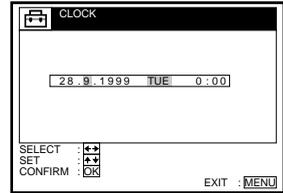
continued

## Step 6 : Setting the clock (continued)

4



Press → to highlight the month and set the month pressing ↑/↓.

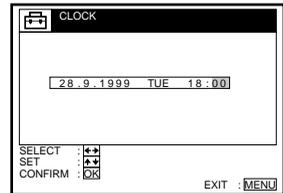


5



Set the year, hour, and minutes in sequence, pressing → to highlight the item to be set, and press ↑/↓ to select the digits.

The day of the week is set automatically.



6



Press OK to start the clock.

### Tips

- To change the digits during setting, press ← to return to the item to be changed, and select the digits pressing ↑/↓.
- If you want to return to the previous menu, highlight RETURN and press OK.

### Note

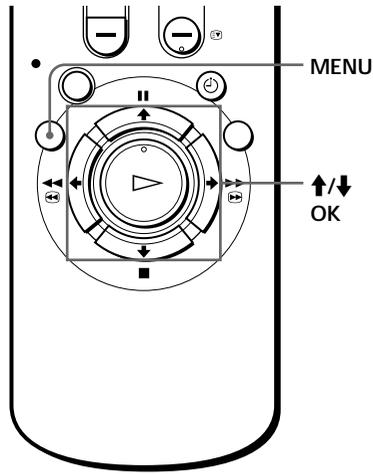
- The menu disappears automatically if you don't proceed for more than a few minutes.

# Selecting a language

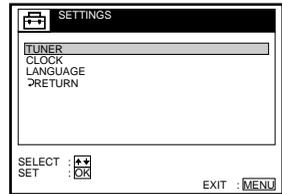
You can change the on-screen display language from the one you selected with the Auto Set Up function.

Before you start...

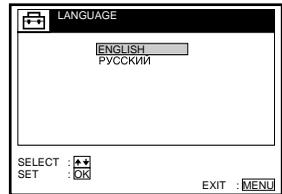
- Turn on the VCR and the TV.
- Set the TV to the video channel.



- 1** Press MENU, then press  $\uparrow/\downarrow$  to highlight SETTINGS and press OK.



- 2** Press  $\uparrow/\downarrow$  to highlight LANGUAGE, then press OK.



- 3** Press  $\uparrow/\downarrow$  to highlight the desired language, then press OK.



- 4** Press MENU to exit the menu.



## Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

## Note

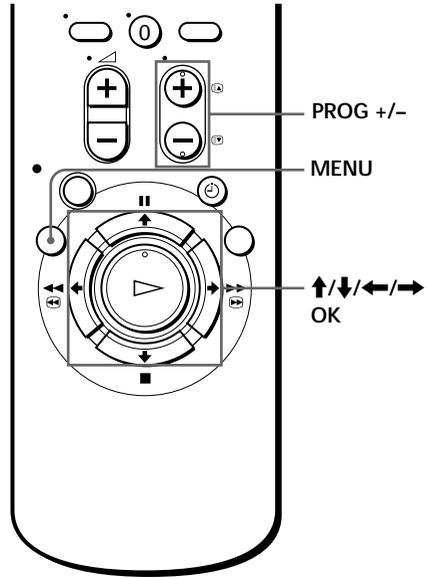
- The menu disappears automatically if you don't proceed for more than a few minutes.

# Presetting channels

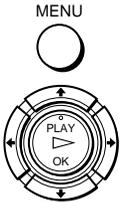
If some channels could not be preset using the Auto Set Up function, you can preset them manually.

Before you start...

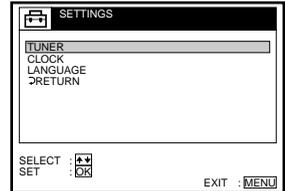
- Turn on the VCR and the TV.
- Set the TV to the video channel.



1



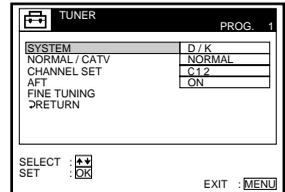
Press MENU, then press **↑/↓** to highlight SETTINGS and press OK.



2



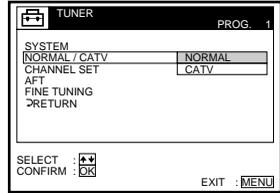
Press **↑/↓** to highlight TUNER, then press OK.



3



Press **↑/↓** to highlight NORMAL/  
CATV, then press OK.

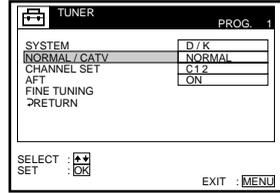


4



Press **↑/↓** to highlight NORMAL, then  
press OK.

To preset CATV (Cable Television)  
channels, select CATV.



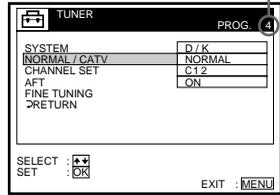
5

• PROG



Press PROG +/- to select the programme  
position.

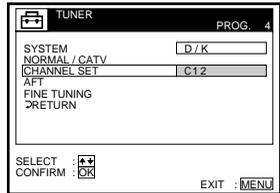
Selected programme  
position



6



Press **↑/↓** to highlight CHANNEL SET,  
then press OK.



continued

## Presetting channels (continued)

7



Press  $\uparrow/\downarrow$  repeatedly until the channel you want is displayed.  
The channels appear in the following order:

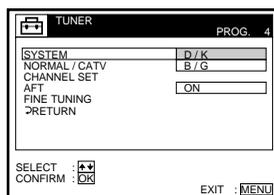
B/G TV system		D/K TV system	
Channel number in the CHANNEL SET field	Receivable Channel	Channel number in the CHANNEL SET field	Receivable Channel
C02	E2	C02	R1
C03	E3	C05	R6
C04	E4	C06	R7
C05	E5	C12	R12
C06	E6	C13	R2
C07	E7	C14	R3
C08	E8	C15	R4
C09	E9	C16	R5
C10	E10	C17	R8
C11	E11	C18	R9
C12	E12	C19	R10
C21-C69	E21-E69	C20	R11
S01-S41	S1-S41	C21-C69	R21-R69
S42-S46	S01-S05		

If you know the number of the channel you want, press the programme number buttons. For example, for channel 5, first press "0" and then press "5."

8



If the TV sound is distorted or noisy, press  $\uparrow/\downarrow$  to highlight SYSTEM and press OK. Then press  $\uparrow/\downarrow$  to select B/G or D/K so that you get the better sound.



9

To allocate another channel to another programme position, repeat steps 5 to 8.

10



Press MENU to exit the menu.

## Disabling unwanted programme positions

After presetting channels, you can disable unused programme positions. The disabled positions will be skipped later when you press the PROG +/- buttons.

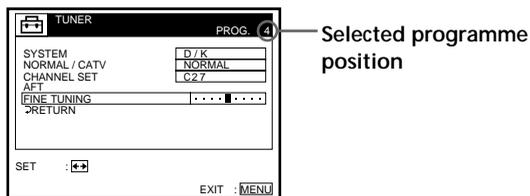
- 1 In step 7 above, press programme number button “0” twice to display the number “00” beside CHANNEL SET.
- 2 Press MENU to exit the menu.

## If the picture is not clear

Normally, the Auto Fine Tuning (AFT) function automatically tunes in channels clearly. If, however, the picture is not clear, you may also use the manual tuning function.

- 1 Press PROG +/- or the programme number buttons to select the programme position for which you cannot obtain a clear picture.
- 2 Press MENU, then select SETTINGS and press OK.
- 3 Select TUNER, then press OK.
- 4 Select FINE TUNING, then press OK.

The fine tuning meter appears.



- 5 Press ←/→ to get a clearer picture, then press MENU to exit the menu.

Note that the AFT (Auto Fine Tuning) setting switches to OFF.

### Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

### Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

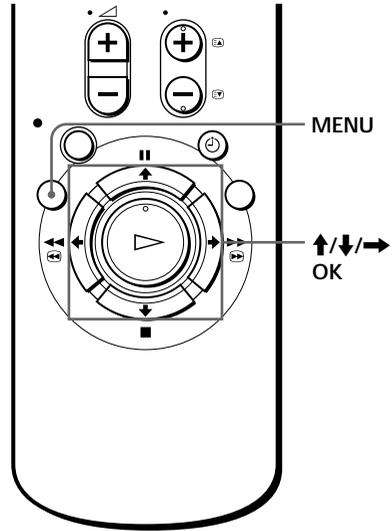
# Changing/ disabling programme positions

After setting the channels, you can change the programme positions and station names as you like. If any programme positions are unused or contain unwanted channels, you can disable them.

## Changing programme positions

Before you start...

- Turn on the VCR and the TV.
- Set the TV to the video channel.

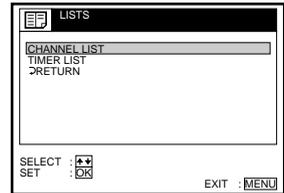


1

MENU



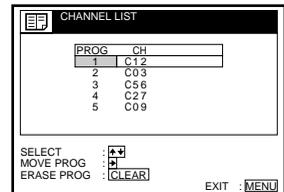
Press MENU, then press **↑/↓** to highlight **LISTS** and press **OK**.



2



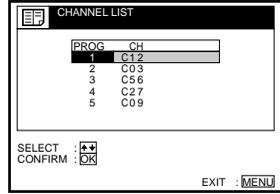
Press **↑/↓** to highlight **CHANNEL LIST**, then press **OK**.





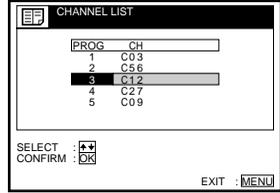
Press **↑/↓** to highlight the row on which you want to change the programme position, then press **→**.

To display other pages for programme positions 6 to 60, press **↑/↓** repeatedly.



Press **↑/↓** until the selected channel row moves to the desired programme position.

The selected channel is inserted at the new programme position and the intermediate channels are displaced to fill the gap.



Press **OK** to confirm the setting.



To change the programme position of another station, repeat steps 3 to 5.



Press **MENU** to exit the menu.

#### Tip

- If you want to return to the previous menu, highlight **RETURN** and press **OK**.

#### Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

continued

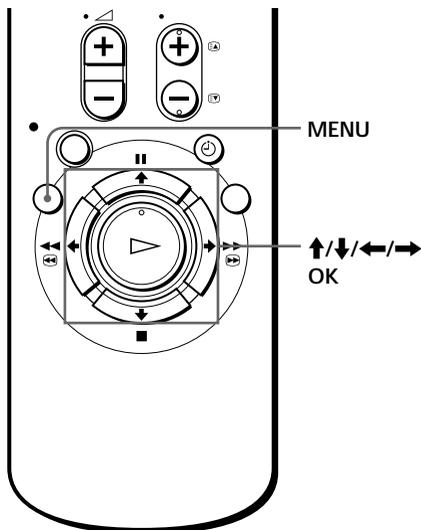
## Changing/disabling programme positions (continued)

### Changing the station names (SLV-SE50EE only)

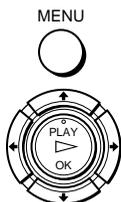
You can change or enter the station names (up to 5 characters).

Before you start...

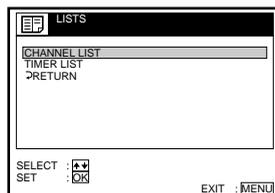
- Turn on the VCR and the TV.
- Set the TV to the video channel.



1



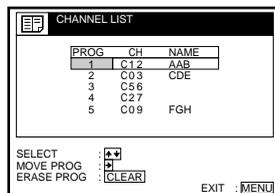
Press MENU, then press  $\uparrow/\downarrow$  to highlight **LISTS** and press OK.



2



Press  $\uparrow/\downarrow$  to highlight **CHANNEL LIST**, then press OK.

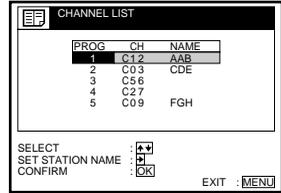


3



Press  $\uparrow/\downarrow$  to highlight the row on which you want to change the station name, then press  $\rightarrow$ .

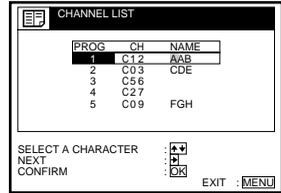
To display other pages for programme positions 6 to 60, press  $\uparrow/\downarrow$  repeatedly.



4



Press  $\rightarrow$ .



5



Enter the station name.

1 Press  $\uparrow/\downarrow$  to select a character.

Each time you press  $\uparrow$ , the character changes as shown below.

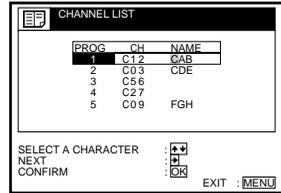
A  $\rightarrow$  B  $\rightarrow$  ...  $\rightarrow$  Z  $\rightarrow$  a  $\rightarrow$  b  $\rightarrow$  ...  $\rightarrow$  z  
 $\rightarrow$  0  $\rightarrow$  1  $\rightarrow$  ...  $\rightarrow$  9  $\rightarrow$  (symbols)  $\rightarrow$   
 (blank space)  $\rightarrow$  A

2 Press  $\rightarrow$  to set the next character.

The next space is highlighted.

To correct a character, press  $\leftarrow/\rightarrow$  until the character you want to correct is highlighted then reset it.

You can set up to 5 characters for the station name.



6



Press OK to confirm the new name.

7

MENU



Press MENU to exit the menu.

#### Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

#### Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

continued

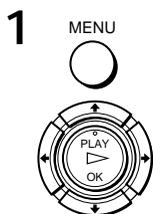
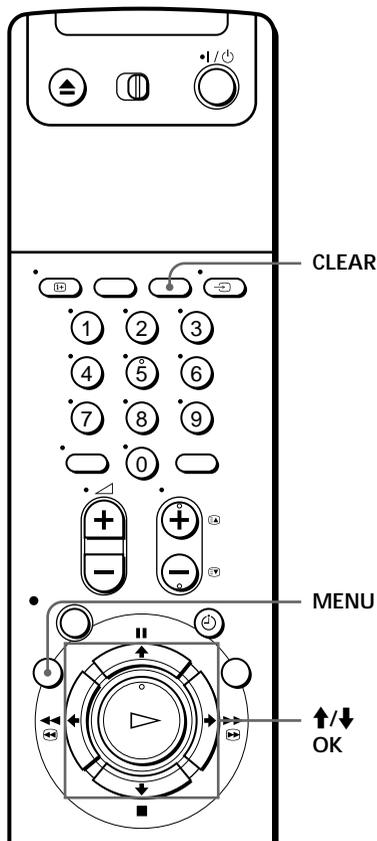
## Changing/disabling programme positions (continued)

### Disabling unwanted programme positions

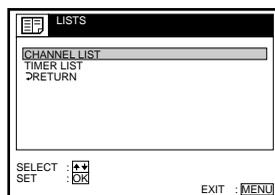
After presetting channels, you can disable unused programme positions. The disabled positions will be skipped later when you press the PROG +/- buttons.

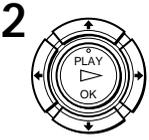
Before you start...

- Turn on the VCR and the TV.
- Set the TV to the video channel.

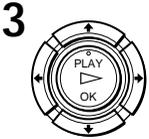
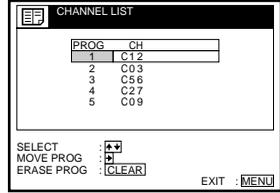


Press MENU, then press **↑/↓** to highlight **LISTS**, and press OK.

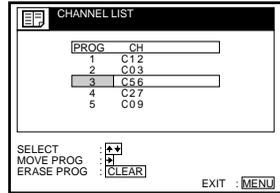




Press **↑/↓** to highlight CHANNEL LIST, then press OK.

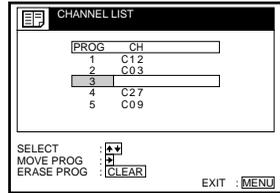


Press **↑/↓** to highlight the row on which you want to disable.



Press CLEAR.

The selected row will be cleared as shown on the right.



5

Repeat steps 3 and 4 for any other programme positions you want to disable.



Press MENU to exit the menu.

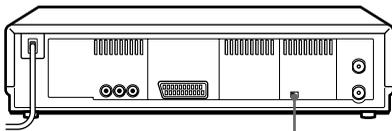
#### Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

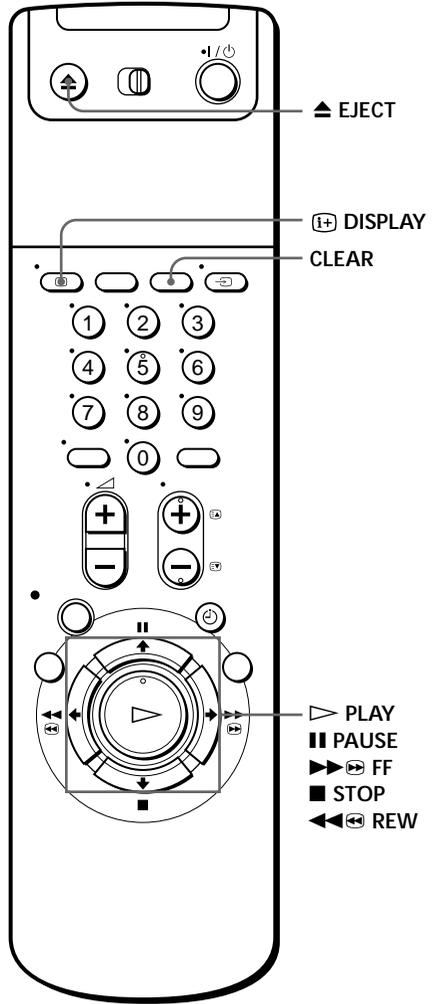
#### Notes

- The menu disappears automatically if you don't proceed for more than a few minutes.
- Be sure to select the programme position you want to disable correctly. If you disable a programme position by mistake, you need to reset that channel manually.

# Playing a tape



NTSC PB



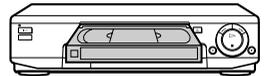
1

Turn on your TV and set it to the video channel.

2

Insert a tape.

The VCR turns on and starts playing automatically if you insert a tape with its safety tab removed.



**3**

Press  PLAY.

When the tape reaches the end, it will rewind automatically.

### Additional tasks

To	Press
Stop play	■ STOP
Pause play	PAUSE
Resume play after pause	PAUSE or  PLAY
Fast-forward the tape	 FF during stop
Rewind the tape	 REW during stop
Eject the tape	▲ EJECT

### To set the colour system

If the playback picture has no colour, or streaks appear during playback, set COLOUR SYSTEM in the OPTIONS-1 menu to conform to the system that the tape was recorded in (see page 56). (Normally set the option to AUTO.)

### To play an NTSC-recorded tape

Set NTSC PB at the rear of the VCR according to the colour system of your TV.

When your TV is	Set NTSC PB to
PAL only	ON PAL TV
PAL and NTSC	NTSC 4.43

continued

## Playing a tape (continued)

### To use the time counter

At the point on the tape that you want to find later, press CLEAR. The counter in the display window resets to "0:00:00." Search for the point afterwards by referring to the counter.



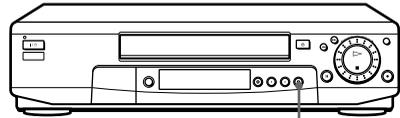
To display the counter on the TV screen, press **[i+] DISPLAY**.

### Enjoying the simulated stereo sound (Virtual Stereo) (SLV-SE50EE only)

When you connect the VCR to a stereo TV or a stereo system, you can use the Virtual Stereo function to give monaural sources a simulated stereo effect.

To activate this function, press **VIRTUAL STEREO**. The **VIRTUAL STEREO** button lights up.

To cancel this function, press **VIRTUAL STEREO** again. The **VIRTUAL STEREO** button goes off.



**VIRTUAL STEREO**

### Notes

- The counter resets to "0:00:00" whenever a tape is reinserted.
- The counter stops counting when it comes to a portion with no recording.
- The time counter does not appear on the TV screen when using an NTSC-recorded tape.
- Depending on your TV, the following may occur while playing an NTSC-recorded tape:
  - The picture becomes black and white.
  - The picture shakes.
  - No picture appears on the TV screen.
  - Black streaks appear horizontally on the TV screen.
  - The colour density increases or decreases.
- If you play back a tape in LP or EP mode with NTSC system, the sound is heard in monaural.
- While setting the menu on the TV screen, buttons for playback on the remote commander do not function.

## Starting playback automatically with one button (One Touch Play) (SLV-SE50EE only)

If you use the SMARTLINK connection, you can turn on the VCR and the TV, set the TV to the video channel, and start playback automatically with one button.

### 1 Insert a tape.

The VCR automatically turns on.

If you insert a tape with its safety tab removed, the TV turns on and switches to the video channel. Playback starts automatically.

### 2 Press ▷ PLAY.

The TV turns on and switches to the video channel automatically. Playback starts.

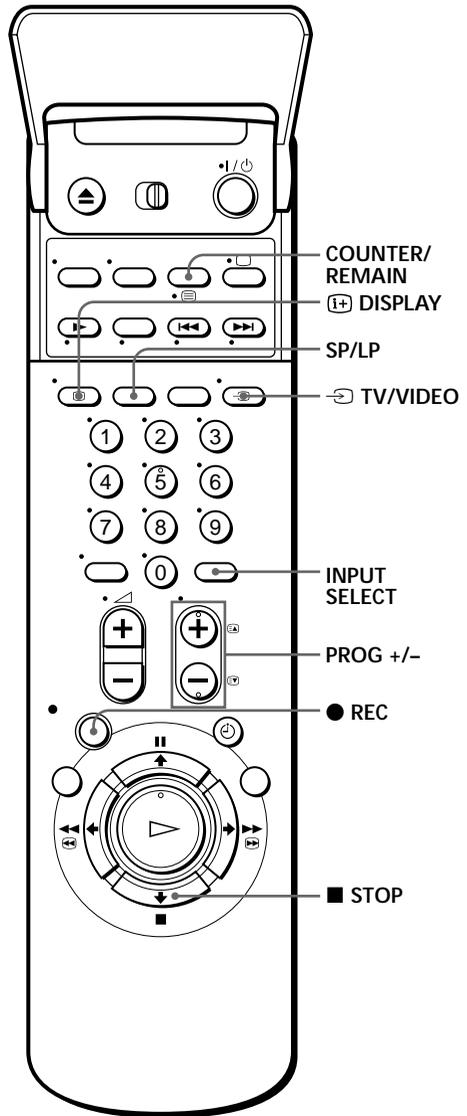
#### Tip

- When there already is a tape in the VCR, the VCR and the TV turn on, the TV is set to the video channel, and playback starts automatically in one sequence when you press ▷ PLAY.

#### Note

- When you use the One Touch Play function, leave the TV on or in the standby mode.

# Recording TV programmes



---

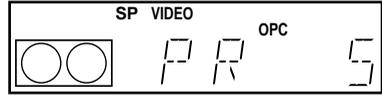
**1** Turn on your TV and set it to the video channel.

---

**2** Insert a tape with its safety tab in place.

3 INPUT SELECT  


Press INPUT SELECT until a programme position number appears in the display window.



4 •PROG  


Press PROG +/- to select the programme position you want to record.



5 SP / LP  


Press SP/LP to select the tape speed, SP or LP.

LP (Long Play) provides recording time twice as long as SP, however, SP (Standard Play) produces better picture and audio quality.



6 •REC  


Press ●REC to start recording.

The recording indicator lights up red in the display window.

Recording indicator



To stop recording  
 Press ■ STOP.

continued

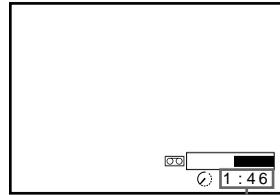
## Recording TV programmes (continued)

### To check the remaining time

Press **[+]** DISPLAY. With the display on, press COUNTER/REMAIN to check the remaining time. Each time you press COUNTER/REMAIN, the time counter and the remaining time appear alternately. The remaining time with the  indicator also appears in the display window.



Time counter



Remaining time

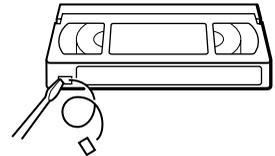
To correctly check the remaining time of the tape, set TAPE LENGTH in the OPTIONS-1 menu according to the tape type you use (see page 56).

### To watch another TV programme while recording

- 1 Press **[TV]** TV/VIDEO to turn off the VIDEO indicator in the display window.
- 2 Select another programme position on the TV.

### To save a recording

To prevent accidental erasure, break off the safety tab as illustrated. To record on a tape again, cover the tab hole with adhesive tape.



Safety tab

### Tips

- To select a programme position, you can use the programme number buttons on the remote commander. For two-digit numbers, press the -/-- (ten's digit) button followed by the programme number buttons.
- You can select a video source from the LINE-1 (TV) connector or the LINE-2 IN jacks also using the INPUT SELECT button.
- The display appears on the TV screen indicating information about the tape, but the information won't be recorded on the tape.
- If you don't want to watch TV while recording, you can turn off the TV.

### Notes

- The display does not appear during still (pause) mode or slow-motion playback.
- The display will not appear while playing an NTSC-recorded tape.
- If a tape has portions recorded in both PAL and NTSC systems, the time counter reading will not be correct. This discrepancy is due to the difference between the counting cycles of the two video systems.
- When you insert a non-standard commercially available tape, the remaining time may not be correct.
- The remaining time is intended for rough measurement only.
- About 30 seconds after the tape begins playback, the tape remaining time will be displayed.

continued

### Recording what you are watching on the TV (TV Direct Rec) (SLV-SE50EE only)

If you use the SMARTLINK connection, you can easily record what you are watching on the TV (other than tapes being played on the VCR).

- 1 Insert a tape with its safety tab in place.
- 2 Press ● REC while you are watching a TV programme or external source.

The VCR automatically turns on, then the TV indicator lights up and the VCR starts recording what you are watching on the TV.

#### Tips

- The TV indicator appears in the display window after you press ● REC in some situations such as:
  - when you are watching a source connected to the TV's line input, or
  - when the TV tuner preset data for the programme position is different from the data in the VCR tuner preset.
- If there is a tape with its safety tab in place in the VCR, the VCR automatically turns on and starts recording what you are watching on the TV when you press ● REC.
- You can turn the TV Direct Rec function ON and OFF in the OPTIONS-2 menu (see page 57).

#### Notes

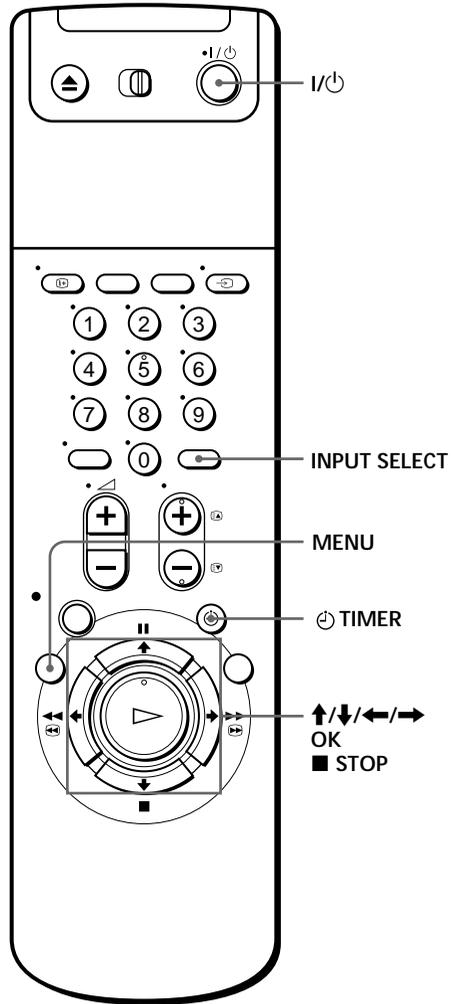
- You cannot record what you are watching using this method when the VCR is in the following modes; pause, timer standby, tuner preset, Auto Set Up, and recording.
- When the TV indicator is lit in the display window, do not turn off the TV nor change the TV programme position. When the TV indicator is not lit, the VCR continues recording the programme even if you change the TV programme position on the TV.

# Recording TV programmes using the timer

You can preset up to eight programmes at a time.

Before you start...

- Check that the VCR clock is set to the correct time and date.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- Turn on your TV and set it to the video channel.

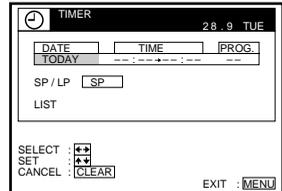


1



Press  TIMER.

The TIMER menu appears on the TV screen.



continued

## Recording TV programmes using the timer (continued)

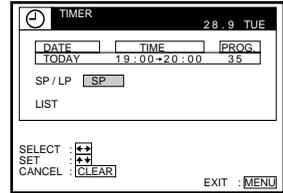
2



Set the date, start and stop times, programme position, and tape speed:

- 1 Press **→** to highlight each item in turn.
- 2 Press **↑/↓** to set each item.

To correct a setting, press **←** to return to that setting and reset.



- To record the same programme every day or the same day every week, see “Daily/weekly recording” on page 41.
- To record from a source connected to the **LINE-1 (TV)** connector or the **LINE-2 IN** jacks, press **INPUT SELECT** to display “L1” or “L2” in the “PROG.” position.

INPUT SELECT



3



Press **MENU** to exit the menu.

4



Press **I/⏻** to turn off the VCR.

The **⏻** indicator appears in the display window and the VCR stands by for recording.

To record from a source, leave the connected equipment switched on.

**To stop recording**

To stop the VCR while recording, press **■ STOP**.

## Daily/weekly recording

In step 2 above, press **↓** to select the recording pattern. Each time you press **↓**, the indication changes as shown below. Press **↑** to change the indication in reverse order.

TODAY → SUN-SAT (Sunday to Saturday) → MON-SAT (Monday to Saturday)  
 → MON-FRI (Monday to Friday) → SAT (every Saturday) .....  
 → MON (every Monday) → SUN (every Sunday) → 1 month later  
 → (dates count down) → TOMORROW → TODAY

## To use the VCR after setting the timer

To use the VCR before a timer recording begins, just press **1/⏻**. The **⏻** indicator turns off and the VCR switches on. Remember to press **1/⏻** to reset the VCR after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter.
- Display tape information on the TV screen.
- Check the timer settings.
- Watch another TV programme.

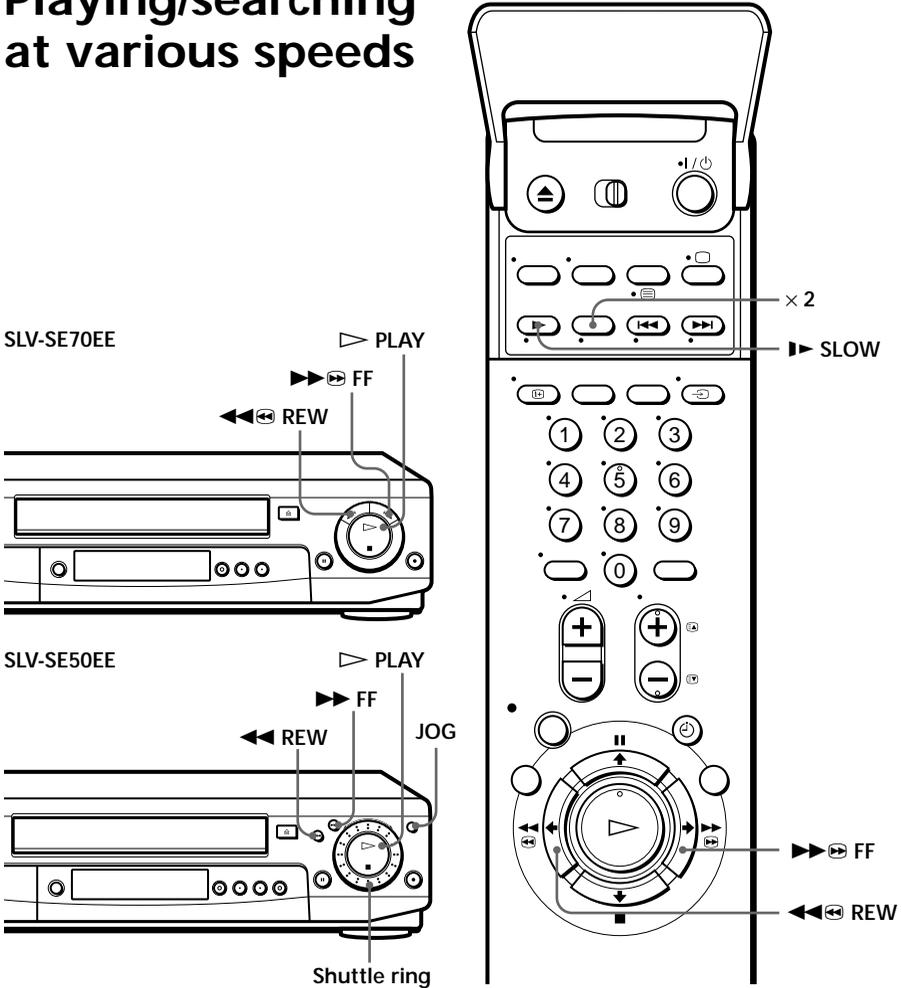
## Tips

- To set the programme position with a two digit number, press **--** (ten's digit) button followed by the programme number button.
- To set the programme position, you can also use the **PROG +/-** button or programme number buttons.
- To set the tape speed, you can also use the **SP/LP** button.
- When you are recording a programme in the **SP** mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the **LP** mode. Note that some interference will appear on the picture at the point the tape speed is changed. If you want to keep the same tape speed, set **AUTO LONG PLAY** to **OFF** in the **OPTIONS-1** menu (page 56).
- To confirm, change, or clear the programme setting, press **←/→** to choose **LIST**, then press **OK** after step 4. For details, see step 3 in "Checking/changing/cancelling timer settings" (page 46).

## Note

- The **⏻** indicator flashes in the display window when you press **1/⏻** with no tape inserted.

# Playing/searching at various speeds



**Playback options**

**Operation**

View the picture during fast-forward or rewind

During fast-forward, hold down ►►►► FF/►►►► FF. During rewind, hold down ◄◄◄◄ REW/◄◄◄◄ REW.

Play at high speed

- During playback, press ►►►► FF or ◄◄◄◄ REW on the remote commander.
- During playback, hold down ►►►► FF/►►►► FF or ◄◄◄◄ REW/◄◄◄◄ REW. When you release the button, normal playback resumes.

Playback options	Operation
Play at twice the normal speed	During playback, press $\times 2$ .
Play in slow motion	During playback, press $\blacktriangleright$ SLOW.
Play frame by frame	During pause, press $\blacktriangleright$ FF or $\blacktriangleleft$ REW <u>on the remote commander</u> . Hold down $\blacktriangleright$ FF or $\blacktriangleleft$ REW to play one frame each second.
Rewind and start play	During stop, press $\blacktriangleright$ PLAY <u>on the VCR</u> while holding down $\blacktriangleleft$ REW / $\blacktriangleleft$ REW <u>on the VCR</u> .

### To resume normal playback

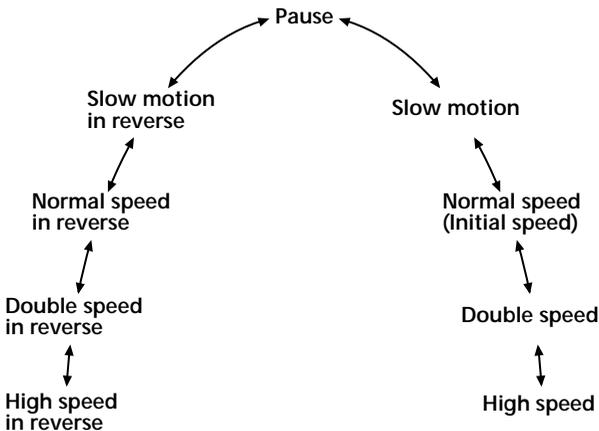
Press  $\blacktriangleright$  PLAY.

## Using the shuttle ring (SLV-SE50EE only)

With the shuttle ring, you can operate a variety of playback options. There are two ways for using the shuttle ring, normal mode and jog mode.

### To use the shuttle ring in normal mode

During playback or pause, turn the shuttle ring clockwise or anticlockwise. Each change in the shuttle ring position changes the playback mode in the following way.



continued

---

## *Playing/searching at various speeds (continued)*

### To use the shuttle ring in jog mode

Use this mode for frame-by-frame playback.

Press JOG to enter the jog mode. The JOG button lights up. If you change to the jog mode during any playback mode, the playback pauses so you can see a still picture. Each change in the shuttle ring position shifts the picture one frame. To shift frames in reverse, turn the shuttle ring anticlockwise. The frame shift speed depends on the speed you turn the shuttle ring. To resume normal mode, press JOG again. The JOG button goes off.

### Tip

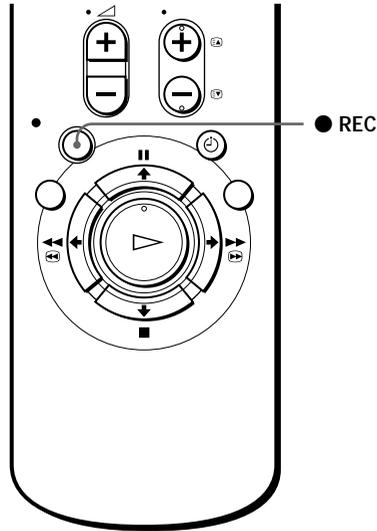
- Adjust the picture using the TRACKING +/- buttons if:
    - Streaks appear while playing in slow motion.
    - Bands appear at the top or bottom while pausing.
    - The picture shakes while pausing.
- To set tracking to the centre position, press both buttons (+/-) at the same time.

### Notes

- The sound is muted during these operations.
- In the LP mode, noise may appear or there may be no colour.

# Setting the recording duration time

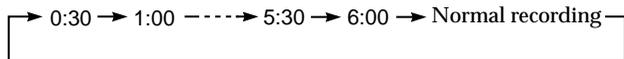
After starting recording in the normal way, you can have the VCR stop recording automatically after a specified duration.



- 1 While recording, press ● REC.  
The ⌚ indicator appears in the display window.



- 2 Press ● REC repeatedly to set the duration.  
Each press advances the time in increments of 30 minutes.



The tape counter decreases minute by minute to 0:00, then the VCR stops recording and turns off automatically.

## To extend the duration

Press ● REC repeatedly to set a new duration.

## To cancel the duration

Press ● REC repeatedly until the ⌚ indicator disappears and the VCR returns to normal recording mode.

## To stop recording

To stop the VCR while recording, press ■ STOP.

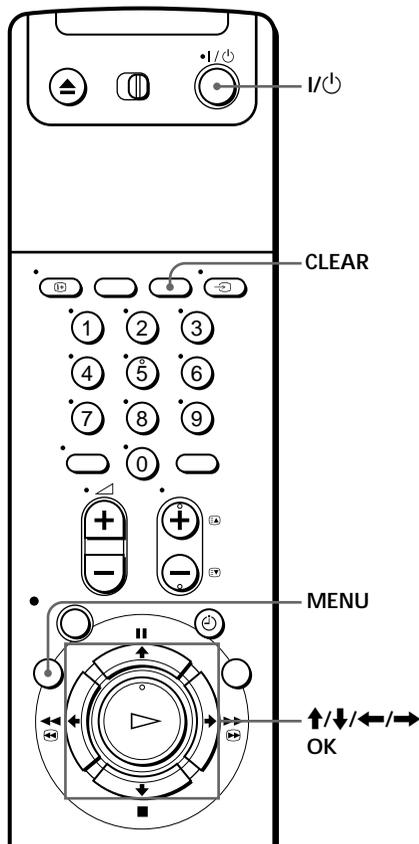
## Note

- You cannot display the current tape time in the display window when setting the recording duration.

# Checking/ changing/ cancelling timer settings

Before you start...

- Turn on your TV and set it to the video channel.



- 1 Press I/Power to turn on the VCR.
- 2 Press MENU, then press ↑/↓ to highlight LISTS and press OK.
- 3 Press ↑/↓ to highlight TIMER LIST, then press OK:

- If you want to change or cancel a setting, go on to the next step.
- If you do not need to change or cancel the settings, press MENU, then turn off the VCR to return to recording standby.

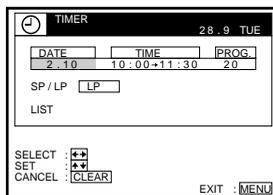
TIMER LIST				28. 9 TUE	
DATE	TIME	PROG.	SP		
TODAY	19:00-20:00	35	SP		
30. 9	20:00-21:00	20	SP		
2. 10	10:00-11:30	60	LP		
MON-FRI	14:00-15:00	42	LP		
SUN	6:30- 7:00	L1	LP		
---	---	---	---		
---	---	---	---		
---	---	---	---		

RETURN : **←→**  
 SELECT : **OK**  
 SET : **OK**  
 CANCEL : **CLEAR**

EXIT : **MENU**

- 4 Press **↑/↓** to select the setting you want to change or cancel, then press OK.

The selected setting appears in the **TIMER** menu.



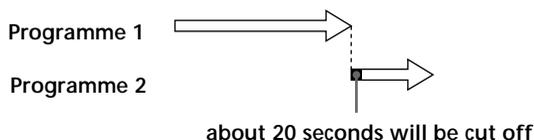
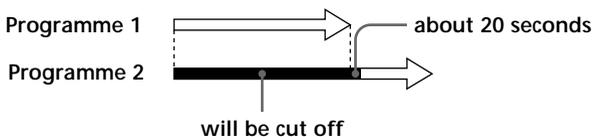
- 5
- To change the setting, press **←/→** to highlight the item you want to change, and press **↑/↓** to reset it.
  - To cancel the setting, press **CLEAR**.

- 6 Press **MENU**.

If any settings remain, turn off the VCR to return to recording standby.

### When the timer settings overlap

The programme that starts first has priority and the second programme starts recording only after the first programme has finished. If the programmes start at the same time, the programme listed first in the menu has priority.



# Selecting stereo and bilingual programmes (SLV-SE70EE only)

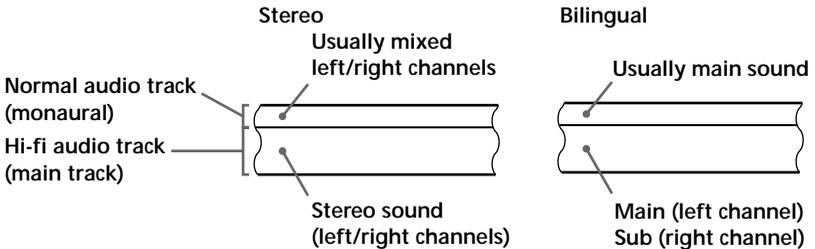
## Selecting the sound during playback

Press AUDIO MONITOR to select the sound you want.

To listen to	On-screen display	Display window
Stereo/main and sub (left and right channels)	STEREO	STEREO
Left channel/main	LCH	STEREO
Right channel/sub	RCH	STEREO
Standard sound	No indicator	No indicator

## How sound is recorded on a video tape

The VCR records sound onto two separate tracks. Hi-fi audio is recorded onto the main track along with the picture. Monaural sound is recorded onto the normal audio track along the edge of the tape.



### Notes

- To listen to playback sounds in stereo, you must use the EURO-AV or AUDIO OUT connections.
- When you play a tape recorded in monaural, the sound is heard in monaural regardless of the AUDIO MONITOR setting.
- If the AUDIO MONITOR button does not function, check that AUDIO MIX in the OPTIONS-1 menu is set to OFF (see page 56).

# Searching using the Smart Search function

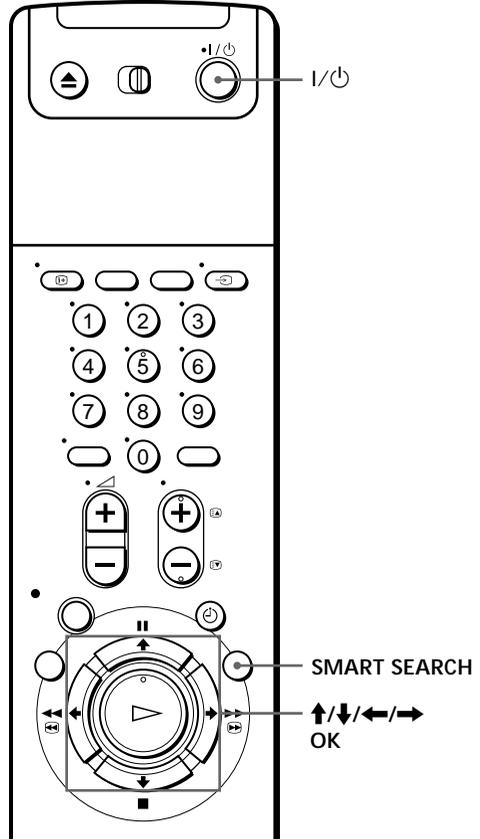
If you record multiple programmes on a tape, use the Smart Search function to see what has been recorded on your tape. You can see information such as date, time, and channel of programmes recorded on a tape. You can also start playback directly from the selected programme using the SMART SEARCH screen.

All programmes are listed on the screen, regardless of how the programme was recorded.

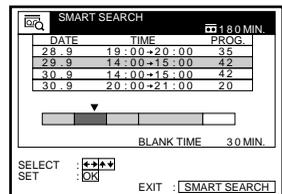
The data of the last tape inserted into the VCR is automatically stored in memory. If you want to recall the latest data screen, select LATEST DATA in the SMART SEARCH screen (see page 50).

### Before you start...

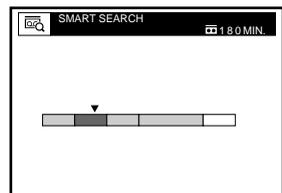
- Turn on your TV and set it to the video channel.



- 1 After recording, press I/Power to turn on the VCR.
- 2 Press SMART SEARCH.
- 3 Press ↑/↓/←/→ to select the programme you want to start viewing.



- 4 Press OK.  
The VCR starts searching, and playback starts automatically from the beginning of the selected programme.



continued

## Searching using the Smart Search function (continued)

To stop searching

Press ■ STOP.

To exit the SMART SEARCH screen

Press SMART SEARCH.

To record in a blank space

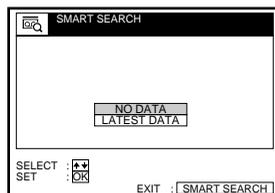
Blank space on the tape will appear as a blank row in the SMART SEARCH screen. Select the blank row in step 3, then press OK. The VCR rewinds/fast-forwards the tape to the beginning of the blank space, then stops. Start recording.

### To recall the latest data screen after you remove the tape

You can display the data of the last tape used to record a programme, even after you have removed the tape.

If you reinsert the tape and record additional programmes, be sure to select LATEST DATA. Otherwise, all of the data for the tape is deleted.

- 1 Reinsert the last tape that you used to record a programme.
- 2 Press SMART SEARCH.

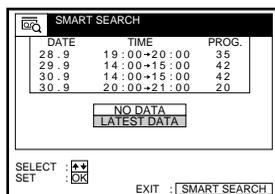


- 3 Press ▲/▼ to highlight LATEST DATA.

If you want to reset the latest data screen, highlight NO DATA and press OK, then record a programme.

- 4 Press OK.

The latest data stored in the VCR's memory is displayed.



### Tips

- You can store information for up to 24 programmes on a single list.
- While recording, you can display the SMART SEARCH screen using the SMART SEARCH button. If you decide to stop recording, press SMART SEARCH to make the SMART SEARCH screen disappear first. Then press ■ STOP.

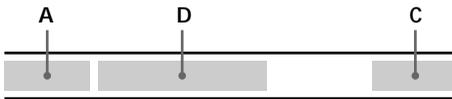
### Notes

- If you begin recording a programme "D" from the middle of a previously recorded programme "A" and into another previously recorded programme "B," the Smart Search information for the second programme "B" which is recorded over is deleted.

#### Originally recorded programmes



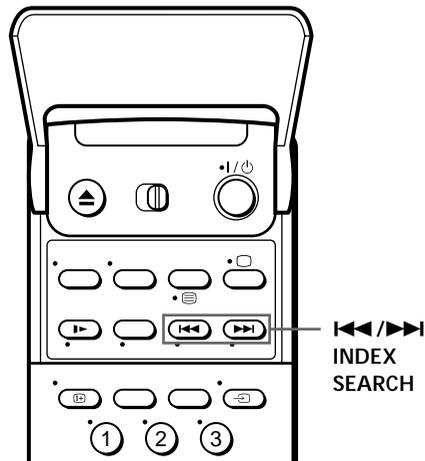
#### Recording the programme "D" over the programme "A" and "B"



- You cannot use this function unless the clock is set.
- Depending on the tape, the total or remaining time may not appear correctly.
- When recording a short programme (less than 10 minutes in SP mode, or 20 minutes in LP mode), the Smart Search function may not be available or the programme information may not appear. Also, if you record a long programme directly after a short programme, the Smart Search information for the short programme may be deleted.
- Blank space is measured from the end of the last recorded programme to the end of the tape. However, if you eject the tape then make a new recording on the same tape, the original recorded programme(s) is displayed as a blank space.
- If no information is stored in the VCR's memory, LATEST DATA does not appear in the SMART SEARCH screen.

# Searching using the index function

The VCR marks the tape with an index signal at the point where each recording begins. Use these signals as references to find a specific recording.

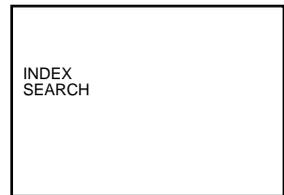


1 Insert an indexed tape into the VCR.

2 Press **INDEX SEARCH**.

- To search ahead, press **INDEX SEARCH**.
- To search backwards, press **INDEX SEARCH**.

The VCR starts searching, and playback starts automatically from that point.



## To stop searching

Press **STOP**.

## Note

- No index signal will be added when recording starts from recording pause. However, an index signal will be marked if you change the programme position during recording pause.

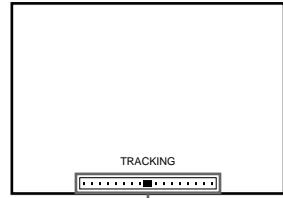
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# Adjusting the picture

## Adjusting the tracking

Although the VCR automatically adjusts the tracking when playing a tape (the  indicator flashes in the display window, then goes off), distortion may occur if the tape was recorded in poor condition. In this case, manually adjust the tracking.

During playback, press TRACKING +/- to display the tracking meter. The distortion should disappear as you press one of the two buttons (the  indicator lights up). To resume automatic tracking adjustments, eject the tape and re-insert it.



Tracking meter

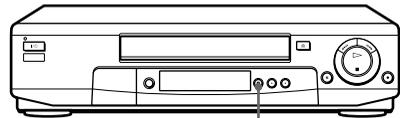
## About the Reality Regenerator (RR) function

The Reality Regenerator (RR) function automatically restores the picture to its original quality during playback.

To use the RR function, press REALITY REGENERATOR. The REALITY REGENERATOR button lights up.

You can set RR to NORMAL or HIGH in the OPTIONS-2 menu (see page 57).

To turn off, press REALITY REGENERATOR. The REALITY REGENERATOR button goes off.



REALITY REGENERATOR

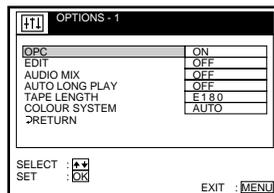
continued

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## Adjusting the picture (continued)

### About the Optimum Picture Control (OPC) function

The Optimum Picture Control (OPC) function automatically improves recording and playback quality by adjusting the VCR to the condition of the video heads and tape. To maintain better picture quality, we recommend that you set OPC to ON in the OPTIONS-1 menu (with the OPC indicator in the display window lit). For details, see page 56.



#### OPC playback

The OPC function automatically works on all types of tapes, including rental tapes and tapes that were not recorded with OPC.

#### OPC recording

Whenever you insert a tape and start recording for the first time, the VCR adjusts to the tape using the OPC function (the OPC indicator flashes rapidly). This adjustment is retained until the tape is ejected.

#### To deactivate the OPC function

Set OPC to OFF in the OPTIONS-1 menu. The OPC indicator in the display window goes off.

#### Tip

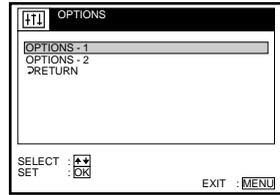
- To set tracking to the centre position, press the TRACKING + and - buttons at the same time.

#### Notes

- You can adjust the tracking for the NTSC-recorded tape but the tracking meter won't be displayed.
- With the Auto Long Play function on, the OPC function will work only in SP mode. If the tape speed automatically switches from SP to LP, the OPC function turns off. If, however, the entire programme is recorded in LP mode, the OPC function will work.
- There is a delay about ten seconds before the VCR actually starts recording while the VCR analyses the tape. To avoid the delay, first set the VCR to recording pause (the OPC indicator flashes slowly) and press ● REC to have the VCR analyse the tape (the OPC indicator flashes rapidly). After the OPC indicator stops flashing, press ■ PAUSE to start recording immediately. If you want to start recording quickly without using the OPC function, first set the VCR to recording pause (the OPC indicator flashes slowly) and press ■ PAUSE to start recording.

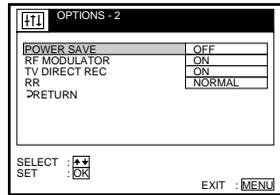
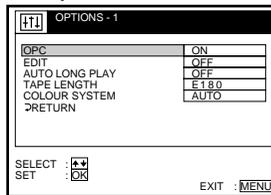
# Changing menu options

- 1 Press MENU, then select OPTIONS and press OK.



- 2 Press  $\uparrow/\downarrow$  to highlight OPTIONS-1 or OPTIONS-2, then press OK.

## Example: SLV-SE50EE



- 3 Press  $\uparrow/\downarrow$  to select the option, then press OK.
- 4 Press  $\uparrow/\downarrow$  to change the setting, then press OK.
- 5 Press MENU to return to the original screen.

continued

## Changing menu options (continued)

### Menu choices

Initial settings are indicated in bold print.

#### OPTIONS-1

Menu option	Set this option to
OPC	<ul style="list-style-type: none"><li>• <b>ON</b> to switch on the OPC (Optimum Picture Control) function and improve picture quality.</li><li>• <b>OFF</b> to switch off OPC.</li></ul>
EDIT	<ul style="list-style-type: none"><li>• <b>ON</b> to minimize picture deterioration when editing.</li><li>• <b>OFF</b> to turn off EDIT.</li></ul>
AUDIO MIX (SLV-SE70EE only)	<ul style="list-style-type: none"><li>• <b>ON</b> to listen to the hi-fi and normal audio tracks at the same time. The AUDIO MONITOR button will not function.</li><li>• <b>OFF</b> to listen to the hi-fi and normal audio tracks separately. Select the sound using the AUDIO MONITOR button.</li></ul> <p>For details, see page 48.</p>
AUTO LONG PLAY	<ul style="list-style-type: none"><li>• <b>ON</b> to change the timer recording tape speed automatically to the LP mode when the remaining tape becomes shorter than the recording time.</li><li>• <b>OFF</b> to keep the set tape speed.</li></ul>
TAPE LENGTH	<ul style="list-style-type: none"><li>• <b>E180</b> to use an E-180 or shorter type tape.</li><li>• <b>E195</b> to use an E-195 type tape.</li><li>• <b>E240</b> to use an E-240 type tape.</li><li>• <b>E300</b> to use an E-300 type tape.</li></ul>
COLOUR SYSTEM	<ul style="list-style-type: none"><li>• <b>AUTO</b> to set the colour system automatically.</li><li>• <b>PAL</b> to play back a tape recorded in the PAL colour system.</li><li>• <b>MESECAM</b> to play back a tape recorded in the MESECAM colour system.</li></ul> <p>For details, see page 31.</p>

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## OPTIONS-2

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Menu option	Set this option to
POWER SAVE	<ul style="list-style-type: none"><li>• <b>ON</b> to turn off the indicators in the display window to conserve the VCR power.</li><li>• <b>OFF</b> to turn on the indicators in the display window while the VCR is standing by.</li></ul>
RF MODULATOR	<ul style="list-style-type: none"><li>• <b>ON</b> if you connect the VCR to your TV using only the aerial cable.</li><li>• <b>OFF</b> if you connect the VCR to your TV using the EURO-AV cable.</li></ul>
TV DIRECT REC (SLV-SE50EE only)	<ul style="list-style-type: none"><li>• <b>ON</b> to activate the TV Direct Rec function.</li><li>• <b>OFF</b> to deactivate it.</li></ul>
RR	<ul style="list-style-type: none"><li>• <b>NORMAL</b> for normal everyday use.</li><li>• <b>HIGH</b> for well-used video tapes such as rented tapes. Select this option when <b>NORMAL</b> does not improve the picture quality.</li></ul>

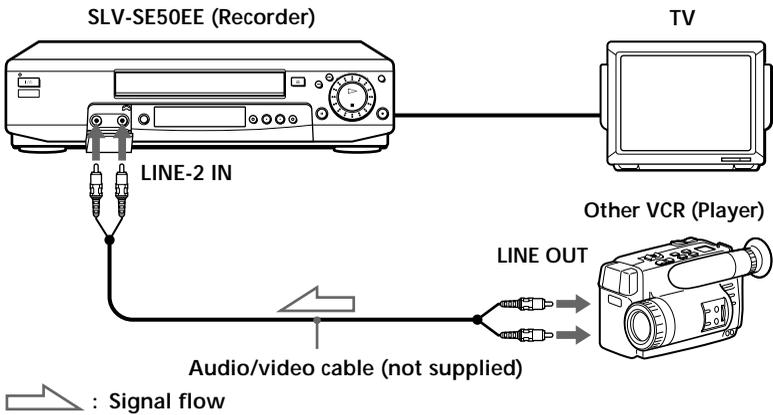
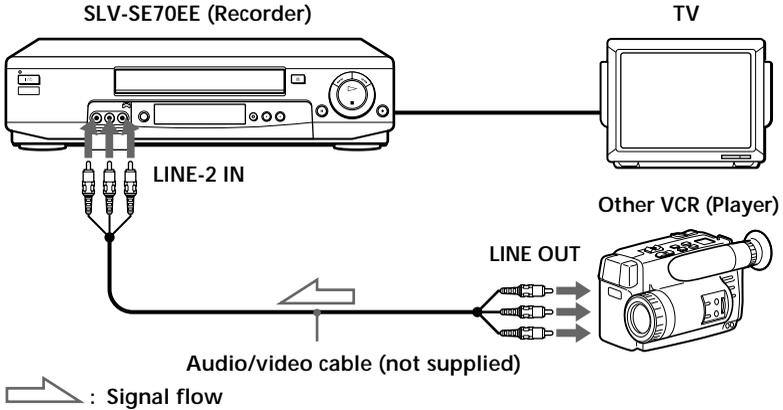
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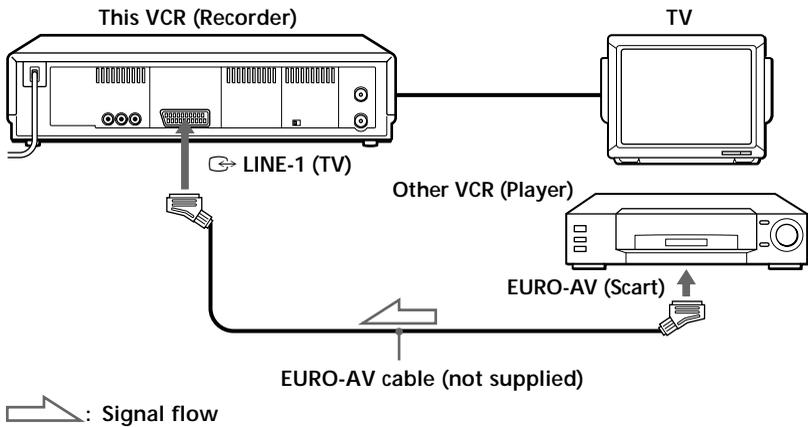
### Notes

- When you set a timer recording, the indicators in the display window remain on, even though **POWER SAVE** is set to **ON**.
- With the **EDIT** option **ON**, the **OPC** function does not work.

# Connecting to a VCR or stereo system

## How to connect to record on this VCR





### Notes

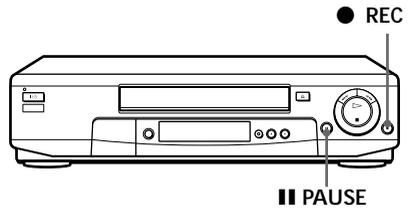
- Make sure you connect the plugs to jacks of the same colour.
- If the other VCR is a monaural type, leave the red plugs unconnected (SLV-SE70EE only).
- If the other VCR is a stereo type, leave the red plugs unconnected (SLV-SE50EE only).
- If you connect this VCR to both the LINE IN and LINE OUT jacks of the other VCR, select the input correctly to prevent a humming noise.

### How to connect to a stereo system (SLV-SE50EE only)

Connect the LINE-2 IN AUDIO jack on this VCR to the audio output jacks on the stereo system.

# Basic editing

(when recording on this VCR)



## Before you start editing

- Turn on your TV and set it to the video channel.
- Press INPUT SELECT to display “L2” (or “L1”) in the display window.
- Press SP/LP to select the tape speed, SP or LP.
- On this VCR, set EDIT to ON in the OPTIONS-1 menu. If the other VCR has a similar function, turn it on also.

- 1** Insert a source tape with its safety tab removed into the other (playback) VCR. Search for the point to start playback and set it to playback pause.
- 2** Insert a tape with its safety tab in place into this (recording) VCR. Search for the point to start recording and press **|| PAUSE**.
- 3** Press **● REC** on this VCR to set it to recording pause.
- 4** To start editing, press the **|| PAUSE** buttons on both VCRs at the same time.

## To stop editing

Press the **■ STOP** buttons on both VCRs.

### Tip

- To cut out unwanted scenes while editing, press **|| PAUSE** on this VCR when an unwanted scene begins. When it ends, press **|| PAUSE** again to resume recording.

### Note

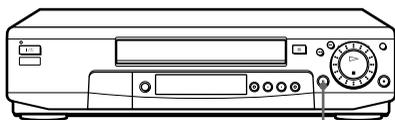
- If you start editing following the procedure above, the VCR won't start recording with the OPC function. To record a tape with the OPC function, press **● REC** again during recording pause in step 3 so the VCR analyses the tape. Then, when you start editing in step 4, press **|| PAUSE** after the OPC indicator stops flashing. If you press **|| PAUSE** before the OPC indicator stops flashing, the OPC function is cancelled.

# Audio dubbing (SLV-SE50EE only)

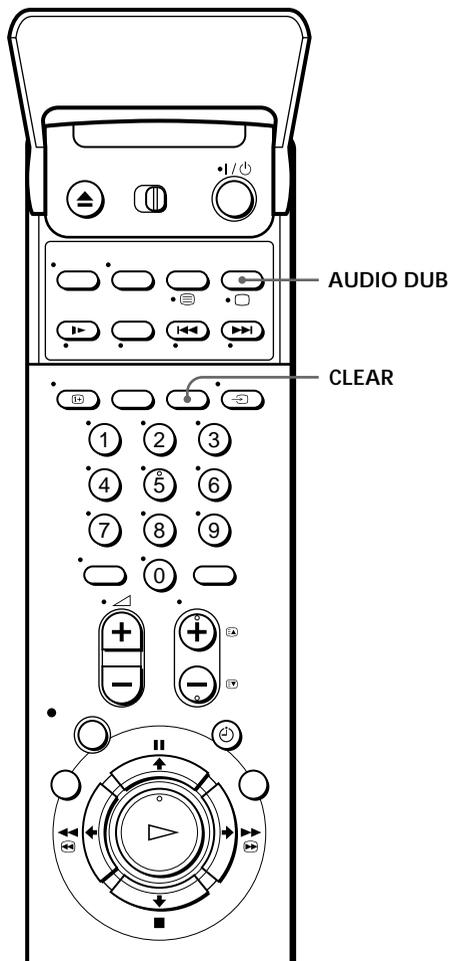
This feature lets you record over the normal audio track. The monaural sound previously recorded is replaced while the original sound remains unchanged. Use this feature to add commentary to a tape that you have recorded with a camcorder.

## Before you start...

- Connect a playback source to the LINE-2 IN AUDIO jack on the front panel.
- Turn on the TV and set it to the video channel.



|| PAUSE



- 1 Insert a source tape into the stereo system (or the playback VCR). Search for the point to start playback and set it to playback pause.
- 2 Insert a prerecorded tape with its safety tab in place into this (recording) VCR. Search for the end of the section to be replaced and press || PAUSE.
- 3 Press CLEAR to reset the counter to "0H00M00S."
- 4 Rewind the prerecorded tape to the beginning of the section to be replaced.

The VCR enters pause mode.

continued

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## **Audio dubbing (SLV-SE50EE only) (continued)**

- 5** Press AUDIO DUB.  
The programme position changes to “L2,” and the ⊖ indicator appears in the display window.
- 6** To start editing, press the ■ PAUSE buttons on this VCR and the stereo system (or other VCR) at the same time.  
When the counter reaches “0H00M00S,” audio dubbing stops automatically.

### **To stop while editing**

Press ■ STOP on this VCR and the stereo system (or other VCR).

#### **Note**

- After you use this feature, the audio in playback mode is automatically set to monaural.

# Troubleshooting

If you have any questions or problems not covered below, please consult your nearest Sony service facility.

	Symptom	Remedy
Power	The I /⏻ON/STANDBY switch does not function.	<ul style="list-style-type: none"> <li>• Connect the mains lead to the mains securely.</li> </ul>
	The power is turned on but the VCR does not operate.	<ul style="list-style-type: none"> <li>• Moisture condensation occurs. Turn the power off, unplug the mains lead and leave the VCR to dry for over three hours.</li> </ul>
Clock	The clock has stopped and “-:-” lights in the display window.	<ul style="list-style-type: none"> <li>• The clock stops if the VCR is disconnected from the mains for more than one hour. Reset the clock (and timer).</li> </ul>
	The playback picture does not appear on the TV screen.	<ul style="list-style-type: none"> <li>• Make sure the TV is set to the video channel. If you are using a monitor, set it to video input.</li> <li>• If the VCR is connected to the TV only with the aerial cable, make sure that RF MODULATOR in the OPTIONS-2 menu is set to ON.</li> </ul>
Playback	The picture is not clear.	<ul style="list-style-type: none"> <li>• Adjust the tracking with the TRACKING +/- buttons.</li> <li>• The video heads are dirty (see below). Clean the video heads using the Sony T-25CLD, E-25CLDR, or T-25CLW video head cleaning cassette. If these cleaning cassettes are not available in your area, have the heads cleaned at your nearest Sony service facility (a standard service charge will be required). Do not use a commercially available liquid type cleaning cassette other than Sony's, as it may damage the video heads.</li> <li>• The video heads may have to be replaced. Consult your local Sony service facility for more information.</li> </ul>

## Symptoms caused by contaminated video heads

• Normal picture

• Rough picture

• Unclear picture

• No picture (or black & white screen appears)



initial contamination



terminal

continued

## Troubleshooting (continued)

	Symptom	Remedy
Playback	The picture is no colour.	<ul style="list-style-type: none"> <li>The COLOUR SYSTEM option in the OPTIONS-1 menu is set to the wrong position. Set the option to conform to the system that the tape was recorded.</li> </ul>
	The picture rolls vertically during picture search.	<ul style="list-style-type: none"> <li>Adjust the vertical hold control on the TV or monitor.</li> </ul>
	The picture has no sound.	<ul style="list-style-type: none"> <li>The tape is defective.</li> <li>If you made A/V connections, check the audio cable connection.</li> </ul>
Recording	No TV programme appears on the TV screen.	<ul style="list-style-type: none"> <li>Make sure the TV is set to the video channel. If you are using a monitor, set it to video input.</li> <li>If the VCR is connected to the TV using only the aerial cable, make sure that RF MODULATOR in the OPTIONS-2 menu is set to ON.</li> <li>Select the correct source with the INPUT SELECT button. Select a programme position when recording TV programmes; select "L1" or "L2" when recording from other equipment.</li> </ul>
	TV reception is poor.	<ul style="list-style-type: none"> <li>Adjust the TV aerial.</li> <li>Make sure the TV system is correctly set for your TV.</li> <li>Make sure SYSTEM (B/G or D/K) in the TUNER menu is set to the same system in your local area.</li> </ul>
	The tape starts playing as soon as it is inserted.	<ul style="list-style-type: none"> <li>The safety tab has been removed. To record on this tape, cover the tab hole.</li> </ul>
	The tape is ejected when you press ● REC.	<ul style="list-style-type: none"> <li>Check that the safety tab has not been removed.</li> </ul>
	Nothing happens when you press ● REC.	<ul style="list-style-type: none"> <li>Make sure the tape is not at its end.</li> </ul>
Timer recording	The timer does not operate.	<ul style="list-style-type: none"> <li>Check that the clock is set.</li> <li>Make sure a tape has been inserted.</li> <li>Check that the safety tab has not been removed.</li> <li>Make sure the tape is not at its end.</li> <li>Make sure a programme has been set for timer recording.</li> <li>Make sure your timer settings have not already passed the current time.</li> <li>The clock stops if the VCR is disconnected from the mains for more than one hour. Reset the clock and timer.</li> </ul>

Symptom	Remedy
A tape cannot be inserted.	<ul style="list-style-type: none"> <li>• Check that a tape isn't already in the tape compartment.</li> </ul>
The remote commander does not function.	<ul style="list-style-type: none"> <li>• Make sure you are pointing the remote commander at the remote sensor on the VCR.</li> <li>• Replace all the batteries in the remote commander with new ones if they are weak.</li> <li>• Make sure the [TV]/[VIDEO] remote control switch is set correctly.</li> </ul>
The SMARTLINK function does not work. (SLV-SE50EE only)	<ul style="list-style-type: none"> <li>• Check that your TV complies with SMARTLINK, MEGALOGIC, EASYLINK, Q-Link, or EURO VIEW LINK.</li> <li>• Make sure you use the optional EURO-AV cable to connect the VCR and your TV.</li> <li>• Make sure the EURO-AV cable is connected securely.</li> </ul>
The tracking meter does not appear on the TV screen.	<ul style="list-style-type: none"> <li>• The recording condition of the tape is very poor and tracking cannot be adjusted.</li> <li>• The tracking meter does not appear when playing back an NTSC-recorded tape.</li> </ul>
You cannot control other TVs.	<ul style="list-style-type: none"> <li>• Set your TV's code number. The code number may change when you replace the batteries of the remote commander.</li> </ul>
The VCR needs to be cleaned.	<ul style="list-style-type: none"> <li>• 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 benzine.</li> </ul>

Others

---

# Specifications

## System

Channel coverage

PAL (B/G, D/K)

VHF E2-E12, R1-R12

UHF E21-E69, R21-R69

CATV S1-S41, S01-S05

RF output signal

UHF channels 21 to 69

Aerial out

75-ohm asymmetrical aerial socket

## Inputs and outputs

↪ LINE-1 (TV)

21-pin

Video input: pin 20

Audio input: pins 2 and 6

Video output: pin 19

Audio output: pins 1 and 3

LINE-2 IN (SLV-SE70EE only)

VIDEO IN, phono jack (1)

Input signal: 1 Vp-p, 75 ohms,

unbalanced, sync negative

AUDIO IN, phone jack (2)

Input level: 327 mVrms

Input impedance: more than 47 kilohms

LINE-2 IN (SLV-SE50EE only)

VIDEO IN, phono jack (1)

Input signal: 1 Vp-p, 75 ohms,

unbalanced, sync negative

AUDIO IN, phone jack (1)

Input level: 327 mVrms

Input impedance: more than 47 kilohms

LINE-2 OUT

AUDIO OUT, Phono jack (2)

Rated output level: 327 mVrms

Load impedance: 47 kilohms

Output impedance: less than 10 kilohms

VIDEO OUT, Phono jack (1)

Rated output level: 327 mVrms

Load impedance: 47 kilohms

Output impedance: less than 10 kilohms

## General

Power requirements

220 – 240 V AC, 50 Hz

Power consumption

22 W

Operating temperature

5°C to 40°C

Storage temperature

-20°C to 60°C

Dimensions

Approx. 430 × 100 × 314 mm (w/h/d)

including projecting parts and controls

Mass

Approx. 4.6 kg

## Supplied accessories

Remote commander (1)

R6 (size AA) batteries (2)

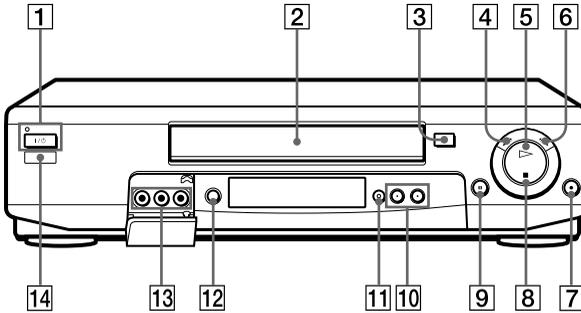
Aerial cable (1)

Design and specifications are subject to change without notice.

# Index to parts and controls

Refer to the pages indicated in parentheses ( ) for details.

## Front panel (SLV-SE70EE)

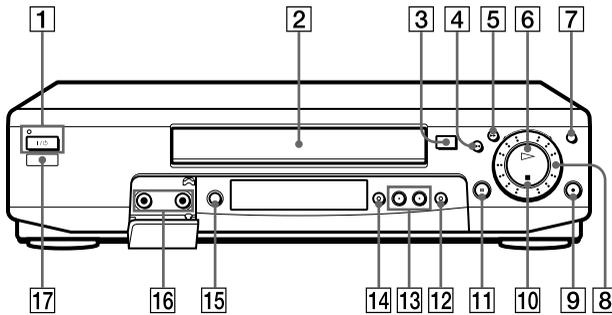


- |  |   |
|--|---|
| <b>1</b> I/⏻ ON/STANDBY switch/<br>indicator (14)  | <b>9</b> ■■ PAUSE button (31, 60)   |
| <b>2</b> Tape compartment                          | <b>10</b> PROGRAM/TRACKING +/-<br>buttons (15, 44, 53)                    |
| <b>3</b> ≡ EJECT button (31)                       | <b>11</b> REALITY REGENERATOR button<br>(53)                              |
| <b>4</b> ◀◀⏮ REW (rewind) button (31, 42)          | <b>12</b> AUTO SET UP/<br>RF (Radio Frequency) CHANNEL<br>button (14, 16) |
| <b>5</b> ▷▶▶▶ PLAY button (31, 43)                 | <b>13</b> LINE-2 IN VIDEO/AUDIO L/R<br>jacks (58)                         |
| <b>6</b> ▶▶▶▶ FF (fast-forward) button (31,<br>42) | <b>14</b> Remote sensor (5)   |
| <b>7</b> ● REC (record) button (35, 45, 60)        |   |
| <b>8</b> ■ STOP button (31, 60)                    |   |

continued

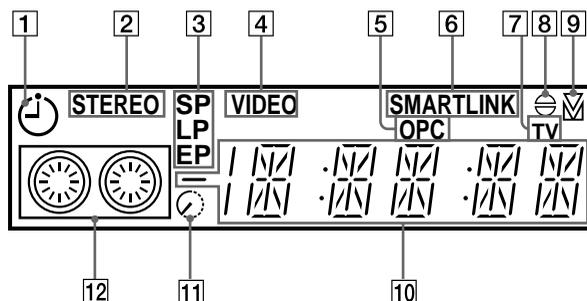
## Index to parts and controls (continued)

### Front panel (SLV-SE50EE)



- |   |   |
|---|---|
| <b>1</b> I/⏻ ON/STANDBY switch/<br>indicator (14) | <b>11</b> ■ PAUSE button (31, 60)   |
| <b>2</b> Tape compartment                         | <b>12</b> VIRTUAL STEREO button (32)                                      |
| <b>3</b> ≡ EJECT button (31)                      | <b>13</b> PROGRAM/TRACKING +/-<br>buttons (15, 44, 53)                    |
| <b>4</b> ◀◀ REW (rewind) button (31, 42)          | <b>14</b> REALITY REGENERATOR button<br>(53)                              |
| <b>5</b> ▶▶ FF (fast-forward) button (31, 42)     | <b>15</b> AUTO SET UP/<br>RF (Radio Frequency) CHANNEL<br>button (14, 16) |
| <b>6</b> ▷ PLAY button (31, 43)                   | <b>16</b> LINE-2 IN VIDEO/AUDIO<br>(MONO) jacks (58)                      |
| <b>7</b> JOG button (44)                          | <b>17</b> Remote sensor (5)   |
| <b>8</b> Shuttle ring (43)                        |   |
| <b>9</b> ● REC (record) button (35, 45, 60)       |   |
| <b>10</b> ■ STOP button (31, 60)                  |   |

## Display window

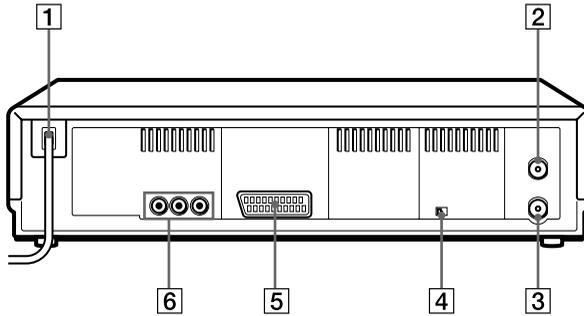


- |   |   |
|---|---|
| <b>1</b> Timer indicator (40)                         | <b>8</b> Audio dubbing indicator (SLV-SE50EE only) (62)                     |
| <b>2</b> STEREO indicator (SLV-SE70EE only) (48)      | <b>9</b> Tracking indicator (53)  |
| <b>3</b> Tape speed indicators (35)                   | <b>10</b> Time counter/clock/line/programme position indicator (32, 35, 60) |
| <b>4</b> VIDEO indicator (11, 36)                     | <b>11</b> Remaining time indicator (36)                                     |
| <b>5</b> OPC (Optimum Picture Control) indicator (54) | <b>12</b> Tape/recording indicator (35)                                     |
| <b>6</b> SMARTLINK indicator (SLV-SE50EE only) (12)   |   |
| <b>7</b> TV indicator (SLV-SE50EE only) (33)          |   |

continued

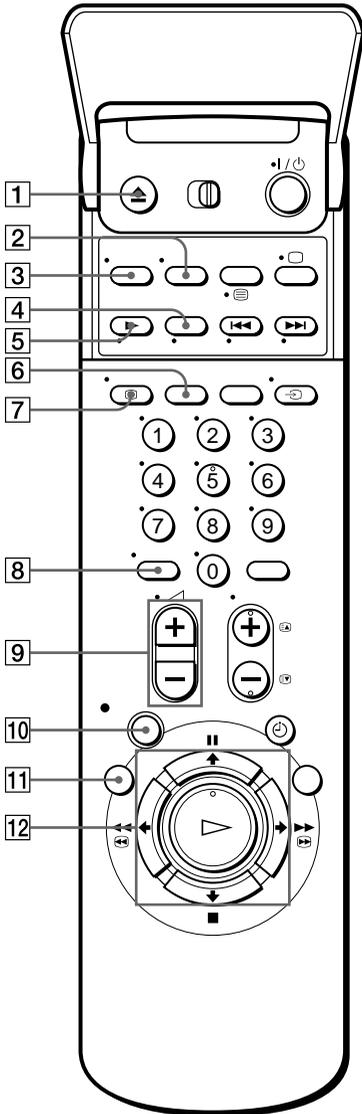
## Index to parts and controls (continued)

### Rear panel



- |  |  |
|--|--|
| <b>1</b> Mains lead (9, 10)                                | <b>5</b> ↪ LINE-1 (TV)<br>↪ LIGNE-1 (TV) connector (10, 59)  |
| <b>2</b> AERIAL IN<br>ANTENNE ENTREE connector (9,<br>10)  | <b>6</b> SLV-SE70EE:<br>LINE-2 OUT VIDEO/AUDIO L/R<br>jacks (13)<br>SLV-SE50EE:<br>LINE-2 OUT VIDEO/AUDIO<br>(MONO) jacks (13) |
| <b>3</b> AERIAL OUT<br>ANTENNE SORTIE connector (9,<br>10) |  |
| <b>4</b> NTSC PB (Play Back) switch (31)                   |  |

## Remote commander

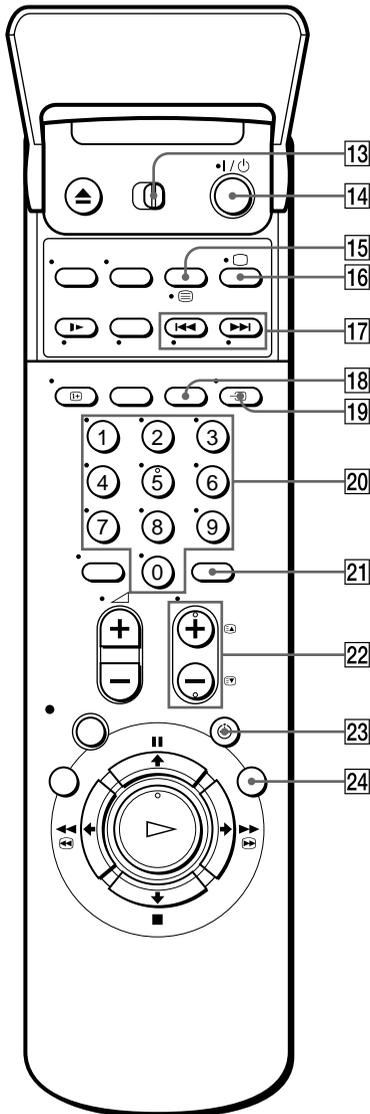


- 1 ▲ EJECT button (31)
- 2 WIDE button (*for TV*) (7)
- 3 AUDIO MONITOR button (48)
- 4 × 2 button\* (43)
- 5 ► SLOW button\* (43)
- 6 SP (Standard Play)/LP (Long Play) button (35)
- 7 [⊕] DISPLAY button (36)
- 8 --- (ten's digit) button (6, 37)
- 9 ∟ (volume) +/- buttons (*for TV*) (7)
- 10 ● REC (record) button (35, 45)
- 11 MENU button (17, 46)
- 12 ■■ PAUSE/▲ button (17, 31)  
 ■ STOP/▼ button (17, 31)  
 ◀◀⌂ REW (rewind)/◀ button (31, 42)  
 ▶▶▶ FF (fast-forward)/▶ button (31, 42)  
 ▷ PLAY/OK button (17, 31)

\* FASTTEXT buttons (*for TV*)

continued

## Index to parts and controls (continued)



- 13 TV/VIDEO remote control switch (5)
- 14 I/⏻ (on/standby) switch (6, 40)
- 15 COUNTER/REMAIN button (36)
- ☰ (Teletext) button (for TV) (7)
- 16 AUDIO DUB button (SLV-SE50EE only) (62)
- ⏻ TV power on/TV mode select button (for TV) (7)
- 17 ◀◀/▶▶ INDEX SEARCH buttons\* (52)
- 18 CLEAR button (47)
- 19 ↻ TV/VIDEO button (6, 36)
- 20 Programme number buttons (6, 37)
- 21 INPUT SELECT button (35, 40, 60)
- 22 PROG (programme) +/- buttons (6, 21, 35)
- ⏮/⏭ Teletext page access buttons (for TV) (7)
- 23 ⏻ TIMER button (39)
- 24 SMART SEARCH button (49)

\* FASTTEXT buttons (for TV)







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