Index

SONY

Video Cassette Recorder

Operating Instructions

VHS
PAL NTSC 4.43

VIDEOplus+

SLV-E530UX
SLV-E295UX

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 be changed only at qualified service shop.

NOTICE for the customers in the United Kingdom

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.
Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362, (i.e. marked with ⊚ or ⊛ mark) must be used.
If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

Precautions

Safety
- Check that the unit's operating voltage is identical with your local power supply. The unit operates on 220 – 240V AC, 50Hz.
- 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 outlet, even if the unit itself has been turned off.
- Unplug the unit from the mains 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 one hour 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 (I) colour system and play back using the PAL (I) and NTSC 4.43 colour systems. Recording of video sources based on other colour systems cannot be guaranteed.
- Tapes recorded with the NTSC colour system can be played back on this unit using a TV or a colour monitor for the PAL colour system.

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*   VIDEO Plus+ and PlusCode are trademarks applied for by Gemstar Development Corp. VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

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-E295UX, and E530UX. Check your model number by looking at the rear panel of your VCR. The SLV-E530UX is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, "SLV-E530UX 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 the position.

Using the remote commander

Remote sensor

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.

[TV]/
[VIDEO]

To operate	Set [TV]/[VIDEO] to
the VCR	[VIDEO] and point at the remote sensor on the VCR
a Sony TV	[TV] and point at the remote sensor on the TV

ON/STANDBY

DISPLAY

TV/VIDEO

WIDE

Programme number buttons

;

PROG+/–/

⌃ /

v

VOL+/–

MENU/> / . / ? //

FASTEXT

TV control buttons

To	Press
Turn the TV into standby or active mode	ON/STANDBY
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 +/–
Adjust the volume of the TV	VOL +/–
Switch to TV (Teletext off)	; (TV)
Turn on the TV/switch to Teletext	v (Teletext)
Use FASTEXT	FASTEXT buttons
Call up on-screen display	DISPLAY
Change the Teletext page	⌃ /
Operate TV menu options	MENU/> / . / ? //
Switch the wide mode of a Sony wide TV	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.
- Do not use different types of batteries.

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 [TV]/[VIDEO] at the top of the remote commander to [TV.]

2   Hold down ON/STANDBY, and enter your TV's code number(s) using the programme number buttons. Then release ON/STANDBY.

Now you can use the following TV control buttons to control your TV:

ON/STANDBY, TV/VIDEO, programme number buttons, PROG +/–, VOL +/–, ; (TV), V (Teletext), FASTEXT buttons, WIDE, MENU, > / . /? // and OK with some TV.

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

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[*1], 02	Philips	06[*1], 07[*1], 08[*1]
Akai	68	Saba	12, 13
Ferguson	52	Samsung	22, 23
Grundig	10[*1], 11[*1]	Sanyo	25
Hitachi	27[*1], 28[*1], 50[*1], 51[*1]	Sharp	29
Mitsubishi	09	TEAC	67
NEC	66	Telefunken	36
Nokia	15, 16, 69[*3]	Thomson	43[*2]
Panasonic	17[*1], 49	Toshiba	38

[*1] Press WIDE to switch the wide picture mode on or off.

[*2] Press WIDE, then press VOL +/– to select the wide picture mode you want.

[*3] Press WIDE. The menu appears on the TV screen. Then, press > / . /? // 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 automatically resets to 01 (Sony). Reset the appropriate code number.

Additional connection

To a TV that has a EURO-AV (Scart) connector

This additional connection improves picture and sound quality. Connect the TV 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.

This VCR

TV

: **LINE-1(TV)**

EURO-AV (Scart)

VMC-2121 EURO-AV cable (not supplied)

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

  If the TV is connected to the LINE-1(TV) connector, setting RF MODULATOR in the OPTIONS menu to OFF is recommended. In the OFF position, only the signal from the aerial is output through the AERIAL OUT connector (see page 52).

Step 4

Setting up the VCR with the Auto Set Up function

AUTO SET UP

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

AUTO SET UP

RF CHANNEL

Hold down AUTO SET UP on the VCR for more than three seconds.

The ATP (Auto Tuner Preset) function starts searching for all of the receivable channels and presets them with the guide channels for VIDEO Plus+ in the following order.

Station	Guide Channel
BBC1	1
BBC2	2
ITV	3
CH4	4
CH5	5

After the search is complete, the current time appears in the display window for any stations that transmit a time signal.

SETUP

To cancel the Auto Set Up function

Press AUTO SET UP.

Tip

• If you want to change the language for the on-screen display from English, see page 19.

Note

• Do not cancel the Auto Set Up function during the ATP operations. If you do, repeat the step above.

Step 5

Tuning your TV to the VCR

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

PROGRAM +/–
RF CHANNEL

1 AUTO SET UP
RF CHANNEL

Press RF CHANNEL on the VCR.

The RF channel appears in the display window.

The VCR signal is output through this channel to the TV.

$$RF21$$

2 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.

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

Refer to your TV manual for tuning instructions.

If the picture does not appear clearly, see "To obtain a clear picture from the VCR" on page 13.

SONY VIDEO CASSETTE
RECORDER

4 AUTO SET UP
RF CHANNEL

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 picture does not appear clearly in step 3 above, go to step 4 to finish this procedure once. Then start from step 1. After pressing RF CHANNEL in step 1 to display the RF channel, press PROGRAM +/– so that another RF channel appears. Then tune the TV to the new RF channel until a clear picture appears.

Manual setup — Setting the clock

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

The Auto Clock Set function works only if a station in your area is broadcasting a time signal.

If the Auto Set Up function did not set the clock correctly for your local area, try another station for the Auto Clock Set function.

Before you start…
- Turn on the VCR and the TV.
- Set the TV to the video channel.

MENU

>/./? //

OK

Setting the clock manually

1 ●MENU   Press MENU, then press > / . to select SETTINGS and press OK.

```
⌂SETTINGS

▶□OPTIONS
  ⌂TUNER
  ⌂VIDEO PLUS+
  ⌂CLOCK
  ⌂LANGUAGE

SELECT      : V v
SET         : OK
```

2 Press > / . to select CLOCK and press OK.

```
tCLOCK

  1.  1. 1998  TH   0 : 00

▶AUTO ADJUST     [OFF]

SELECT      : V v
SET         : B b
END         : OK
```

3

Press > / . to move the cursor ( ) to the clock row, then press / .

The day starts flashing.

```
t CLOCK

  1. 1998  TH   0 : 00
 AUTO  ADJUST       [OFF]


SELECT         : B b
SET            : V v
END            : OK
```
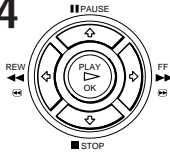
4

Press > / . to set the date.

```
t CLOCK

11. 1. 1998  SU    0 : 00
 AUTO  ADJUST       [OFF]


SELECT         : B b
SET            : V v
END            : OK
```
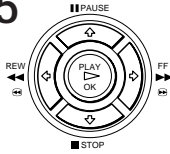
5

Press / to flash the month and set the month using > / . .

```
t CLOCK

11. 1. 1998  SU    0 : 00
 AUTO  ADJUST       [OFF]


SELECT         : B b
SET            : V v
END            : OK
```

6

Set the year, hour, and minutes in sequence, using / to flash the item to be set, and press > / . to select the digits.

The day of the week is set automatically.

```
t CLOCK

 11. 12. 1998  FR   15 : 30
 AUTO  ADJUST       [OFF]


SELECT         : B b
SET            : V v
END            : OK
```

7

Press / to start the clock.

The cursor ( ) appears at the beginning of the line.

```
t CLOCK

▶ 11. 12. 1998  FR   15 : 30
 AUTO  ADJUST       [OFF]


SELECT         : V v
SET            : B b
END            : OK
```

Manual setup — Setting the clock (continued)

8 Press OK.

Tip
- To change the digits during setting, press ? to return to the item to be changed, and select the digits using > / . .

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

Changing the station for the Auto Clock Set function

MENU

> / . / ? / /

OK

---

1 ● MENU

Press MENU, then press > / . to select SETTINGS and press OK.

```
 SETTINGS

▶  OPTIONS
    TUNER
    VIDEO  PLUS+
    CLOCK
    LANGUAGE


SELECT          : V v
SET             : OK
```

PAUSE
REW
PLAY
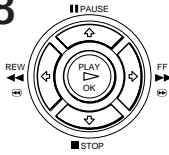OK
FF
STOP

2

Press > / . to select CLOCK and press OK.

The cursor ( ) is on AUTO ADJUST.

```
 CLOCK

   1.  1. 1998  TH   0 : 00

▶AUTO ADJUST      [OFF]


SELECT          : V v
SET             : B b
END             : OK
```

PAUSE
REW
PLAY
OK
FF
STOP

3

Press / to select ON.

```
 CLOCK

  11. 12. 1998  FR   15 : 30

▶AUTO ADJUST       [ON  ]
 CLOCK PROG       [BBC1]
SELECT          : V v
SET             : B b
END             : OK
```

PAUSE
REW
PLAY
OK
FF
STOP

Manual setup — Setting the clock (continued)

4

PAUSE
REW PLAY OK FF
STOP

Press . to move the cursor ( ) to CLOCK PROG, then press ? // repeatedly until the programme position of the station that carries the time signal appears.

If the VCR does not receive the time signal from any station, AUTO ADJUST returns to OFF automatically.

```
▦VIDEO PLUS+

 PROG      CH      GUIDE CH
 BBC1      C21        ＼╫╫╱
▸BBC2      C12        ╣123╠
 ITV       C33        ╱╫╫＼
 CH4       C47         ---
 CH5       C55         ---
SELECT             : ∨ ∨
SET                : 0 - 9
CANCEL             : CLEAR
```

5

PAUSE
REW PLAY OK FF
STOP

Press OK.

Tip
• If you set AUTO ADJUST to ON, the Auto Clock Set function is activated whenever the VCR is turned off. The date and time is adjusted automatically by making reference to the time signal from the station whose programme position is displayed in the "CLOCK PROG" row.
If you do not need the Auto Clock Set function, select OFF.

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

Manual setup — Selecting a language

You can change the on-screen display language.

Before you start…
- Turn on the VCR and the TV.
- Set the TV to the video channel.

MENU

> / . /? / /

OK

Getting Started

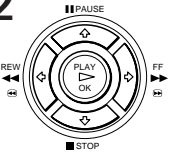
1 ● MENU   Press MENU, then press > / . to select
SETTINGS and press OK.

```
⌂ SETTINGS

▶ ▨ OPTIONS
  ᛉ TUNER
  ▤ VIDEO  PLUS+
  ◷ CLOCK
  Ⓐ LANGUAGE


SELECT          : ∨ v
SET             : OK
```
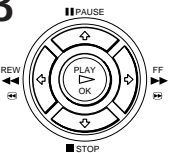
---

2   Press > / . to select LANGUAGE, then
press OK.

```
Ⓐ LANGUAGE

● ENGLISH        NEDERLANDS
  DEUTSCH        DANSK
  FRANÇAIS       SVENSKA
  ITALIANO       SUOMI
  ESPAÑOL        EΛΛHNIKA
  PORTUGUÊS

SELECT          : ∨ v
SET             : OK
```

---

3   Press > / . /? / /   to move the dot (⌐) to
the desired language, then press OK.

Getting Started   19

Manual setup — Presetting channels

PROG +/–

MENU

> / . / ? //

OK

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 ●MENU

Press MENU, then press > / . to select SETTINGS and press OK.

```
SETTINGS

▶OPTIONS
 TUNER
 VIDEO PLUS+
 CLOCK
 LANGUAGE


SELECT        : V v
SET           : OK
```

2

Press > / . to select TUNER, then press OK.

```
TUNER              PROG14

▶CHANNEL SET    [C23 ]
                   BBC1
 AFT            [ON  ]
 FINE TUNING


SELECT        : V v
SET           : B b
```

3

Press > / . to move the cursor ( ) to CHANNEL SET.

```
TUNER              PROG14

▶CHANNEL SET    [C23 ]
                   BBC1
 AFT            [ON  ]
 FINE TUNING


SELECT        : V v
SET           : B b
```

4 •PROG

Press PROG +/− to select the programme position.

Selected programme position

```
⁗TUNER           PROG 7
▶CHANNEL SET     [C23 ]
                  BBC1
 AFT             [ON  ]
 FINE TUNING


SELECT        : V v
SET           : B b
```

5

Press ? // repeatedly until the channel you want is displayed.

The channels appear in the following order:

• UHF B21 - B69

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."

```
⁗TUNER           PROG 7
▶CHANNEL SET     [C41 ]
                  ITV
 AFT             [ON  ]
 FINE TUNING


SELECT        : V v
SET           : B b
```

6 To allocate another channel to another programme position, repeat steps 4 and 5.

7 Press OK.

Disabling unwanted programme positions

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

1 In step 5 above, press programme number button "0" twice to display the number "00" beside CHANNEL SET.

2 Press OK.

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 +/– 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 and press OK.

4 Select FINE TUNING. The fine tuning meter appears.

```
TUNER              PROG 14        ──── Selected programme position

  CHANNEL SET    [C23 ]
                  BBC1
  AFT            [OFF ]
▶FINE  TUNING
                 ────▊────


SELECT         : V v
SET            : B b
```

5 Press ? // to get a clearer picture, then press OK.

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

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

Manual setup — Setting up VIDEO Plus+

VIDEO Plus+ is a feature that simplifies programming the VCR to make timer recordings. To use VIDEO Plus+, each programme position needs to be matched with its VIDEO Plus+ guide channel. To get the guide channel numbers, see "Guide channels for VIDEO Plus+" on page 25, or look in the programme guide for your area that features PlusCode.

• If you want to record satellite broadcasts using VIDEO Plus+, see page 26.

Before you start…
• Turn on the VCR and the TV.
• Set the TV to the video channel.

Programme number button

MENU

> / . / ? / /

OK

---

1 ● MENU

Press MENU, then press > / . to select SETTINGS and press OK.

```
SETTINGS

▶ OPTIONS
  TUNER
  VIDEO  PLUS+
  CLOCK
  LANGUAGE


SELECT        : V v
SET           : OK
```

2

Press > / . to select VIDEO PLUS+ and press OK.

The preset channels are displayed on the screen. "- - -" in the GUIDE CH column means that the guide channel has not been preset.

```
VIDEO  PLUS+

  PROG    CH    GUIDE CH
▶ BBC1    C21        1
  BBC2    C12        2
  ITV     C33        3
  CH4     C47        4
  CH5     C55        5
SELECT        : V v
SET           : 0 – 9
CANCEL        : CLEAR
```

3

Press > / . to move the cursor ( ) to the row on which you want to set the guide channel.

To display other pages for programme positions 6 to 60, press > / . repeatedly.

```
SHOWVIEW

 PROG      CH      GUIDE CH
   6       C01          - - -
   7       C02        |+++|
►  8       C03        [- - -]
   9                  |+++|
  10       C15          - - -
SELECT            : V v
SET               : 0 – 9
CANCEL            : CLEAR
```

4

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
   ⓪

Press programme number buttons to enter the guide channel number assigned in the programme guide.

```
SHOWVIEW

 PROG      CH      GUIDE CH
   6       C01          - - -
   7       C02        |+++|
►  8       C03        [1 2 3]
   9                  |+++|
  10       C15          - - -
SELECT            : V v
SET               : 0 – 9
CANCEL            : CLEAR
```

5

To set the guide channel of another station, repeat steps 3 to 4.

6

Press OK.

Guide channels for VIDEO Plus+

Guide channel	Station name		Guide channel	Station name
001	BBC1		125	BRAVO
002	BBC2			HSND
003	ITV			EBN
004	CHANNEL 4		126	CNN
005	CHANNEL 5		127	EURONEWS
006	RTE 1		128	PERFORMANCE
007	RTE 2			THE ARTS CHANNEL
008	TV NA GAELTACHTA		129	SKY MOVIES GOLD
101	SKY ONE			WEATHER
102	SKY NEWS		130	UK LIVING
103	SKY MOVIES			TELEVISION X FANTASY
104	THE MOVIE CHANNEL			CHANNEL
105	SKY SPORT		131	GRANADA +
106	NICKELODEON		132	GRANADA TALK
	PARAMOUNT CHANNEL		132	SKY SCOTTISH
107	EUROSPORT		133	TV5 EUROPE
	QUANTOM TV		134	TVE INTERNATIONAL
108	WARNER BROTHERS		135	MBC
109	MTV EUROPE			ARABIC
110	CHILDREN'S CHANNEL		136	QVC
	THE FAMLY CHANNEL		137	SPORTNET
111	THE DISNEY CHANNEL		138	COUNTRY MUSIC TV
112	BBC WORLD SERVICE			JAPANESE TV
113	RTL 4		140	SKY SPORT 2 & SOAPS &
114	FILMNET 2			TRAVEL & HIST & SF
	SUPER SPORT		141	TV ASIA
	ADULT CHAN		142	GRANADA GOOD LIFE
115	RTL PLUS INTERNATIONAL		142	GRANADA TV HIGH STREET
116	SAT 1		142	GRANADA FOOD + WINE
117	PREMIERE		142	GRANADA HEALTH AND
118	3 SAT			BEAUTY
119	SKY 2		142	GRANADA HOME + GARDEN
119	FOX KIDS		143	LIVE TV
120	PRO 7		144	SUPERCHANNEL
121	TELE 5		145	VIDEO HITS ONE
122	TELECLUB			VH-1 (ENGLISH)
123	UK GOLD		146	SELECT TV
124	TLC		147	FILMNET 1 (24 HOUR)
	DISCOVERY		148	SKY SPORT 3
	REGAL SHOP			PLAYBOY TV
			149	TNT
				CARTOON NETWORK

Note
• The guide channel codes listed above are as of 20 February 1997. If you have any questions about the guide channels, please consult your nearest Sony service facility or the marketing group of Sony UK.
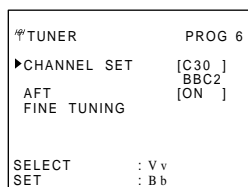
Setting up VIDEO Plus+ for satellite broadcasts

When your satellite tuner is connected via the AERIAL IN connector, first you have to set the programme position for each satellite channel using the TUNER menu. Then set the guide channel number for each satellite channel using the VIDEO Plus+ menu.

If your satellite tuner is connected via the LINE-1(TV) connector, you don't have to set programme positions nor guide channel numbers for satellite channels. Skip the following procedure.

1   Turn on the satellite tuner.

2   Press MENU, then select SETTINGS and press OK.

3   Select TUNER and press OK.

4   Press PROG +/– to select a programme position you want to use for watching a satellite channel.

5   Select CHANNEL SET, then press ? // repeatedly to tune the VCR to the satellite tuner.

The channel number displayed beside CHANNEL SET is used for receiving all satellite broadcasts from the satellite tuner.

```
 TUNER              PROG 6

CHANNEL SET      [C30 ]
                  BBC2
 AFT             [ON  ]
 FINE TUNING


SELECT        : V v
SET           : B b
```

6   Press PROG +/– to select another programme position for the next satellite channel, and press the programme number buttons to enter the same channel number as the one displayed in step 5.

Repeat this step for all satellite channels.

7   Set the guide channel number for each programme position assigned to the satellite channel, following the procedures on pages 23 and 24.

Notes
- The menu disappears automatically if you don't proceed for more than a few minutes.
- If you use a satellite tuner connected via the LINE-1 (TV) connector, you don't have to set up VIDEO Plus+. Just record a satellite programme using VIDEO Plus+, and the VCR automatically records the programme from the LINE-1 (TV) connector.
- If you inadvertently entered a guide channel number, press CLEAR.
- The VCR does not allow entering the guide channel number if the same number has been set.
- When you record a satellite broadcast using VIDEO Plus+, you need to select the desired channel on the satellite tuner manually.

Setting your personal code

For identification, you can enter a personal code into the VCR. Once you enter your personal code, you can confirm it any time but can never change it.

Before you start…
- Turn on the TV.
- Set the TV to the video channel.
- If there is a tape in the VCR, remove it.
- Turn off the VCR.

CLEAR

> / . / ? / /

OK

ON/STNADBAY   ⓟ **PAUSE**

1 ● ON/STANDBY

ⓟ PAUSE

Hold down ⓟ PAUSE and ON/STANDBY <u>on the VCR</u> simultaneously for more than three seconds.

```
SECURITY FUNCTION

PERSONAL CODE

[--------- ]

SELECT      : B b
SET         : V v
CONFIRM     : OK
```

2

Enter your personal code.

1 Press > / . to select a character.

Each time you press > , the character changes as shown below.

A n **B** n … n **Z** n **0** n **1** n … n **9** n **(blank space)** n **– (hyphen)** n **A**

2 Press / to set the next character.

The next space flashes.

To correct a character, press ? // until the character you want to correct flashes, then reset it.

You can set up to 11 characters for your personal code.

```
SECURITY FUNCTION
PERSONAL CODE
[WB21575----]


SELECT      : B b
SET         : V v
CONFIRM     : OK
```
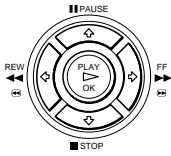
3

Press OK.

A confirmation screen appears.

```
SECURITY FUNCTION
PERSONAL CODE
[WB21575----]



FINAL CONFIRM : OK
CANCEL        : CLEAR
```

4

If the displayed personal code is correct, press OK.

If the displayed personal code is wrong, press CLEAR and continue from step 2.

CLEAR

To confirm you personal ID

While the VCR is turned off and there is no tape in the VCR, hold down P PAUSE and ON/STANDBY on the VCR simultaneously for more than three seconds. The entered personal code appears on the TV screen. Press any button to enter normal viewing mode.

Note
• Once you enter your personal code, you cannot change it by yourself. If you need to change the entered personal code, consult your nearest Sony service facility.

Playing a tape

6 **EJECT**

DISPLAY

COUNTER RESET

ℙ **PAUSE**

REPLAY

) #   **FF**

ℙ **STOP**

Æ   **PLAY**

0 3   **REW**

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 PLAY   Press Æ   PLAY.
    ▷
    OK   When the tape reaches the end, it will rewind automatically.

Additional tasks

To	Press
Stop play	p STOP
Pause play	P PAUSE
Resume play after pause	P PAUSE or Æ PLAY
Fast-forward the tape	)# FF during stop
Rewind the tape	0 3 REW during stop
Eject the tape	6 EJECT

To replay a recently watched scene

You can immediately rewind and playback the scene you want to watch again.

During playback, press REPLAY up to four times. The VCR rewinds the tape about 10 seconds on the counter for each press of the button, and restarts playback.

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

To use the time counter

At the point on the tape that you want to find later, press COUNTER RESET. 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 DISPLAY.

Playing a tape (continued)

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.
- When you play back the tape recorded with the NTSC colour system, the counter does not appear on the TV screen.
- 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.
  - Deterioration of the picture quality may occur.
- If a tape has portions recorded in both PAL and NTSC systems, the time counter reading will not be correct. This is due to the difference between the counting cycles of the two video systems.
- While setting the menu on the TV screen, buttons for playback do not function.

Recording TV programmes

DISPLAY

COUNTER/
REMAIN

TV/VIDEO

r REC

PROG +/–

INPUT SELECT

SP/LP

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

To record from a decoder, turn it on.

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.

SP VIDEO

P R   5

4

•PROG

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

```
            SP  VIDEO
 ◯◯          PR    12
```

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 (Standard Play), however, SP produces better picture and audio quality.

```
                VIDEO
            LP
 ◯◯          PR    12
```

6

● REC

Press r REC to start recording.

The recording indicator lights up red in the display window.

```
                VIDEO
            LP
 ◉◉          0:00:10
```

Recording indicator

To stop recording

Press p STOP.

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.

```
┌─────────────────────────┐     ┌─────────────────────────┐
│              PROG12      │     │              PROG12      │
│                         │     │                         │
│                         │     │                         │
│                         │     │                         │
│                         │     │                         │
│                         │     │         ⟳ ┌──────┐       │
│         SP ┌────────┐   │     │           │1H 46M│       │
│            │0:00:22 │   │     │           └──────┘       │
└────────────┴────────┴───┘     └─────────────────────────┘
            Time counter              Remaining time
```
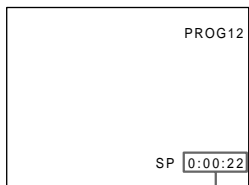
To correctly check the remaining time of the tape, set TAPE SELECT in the TAPE OPTIONS menu according to the tape type you use (see page 52).

To watch another TV programme while recording

1 Press TV/VIDEO to turn off the VIDEO indicator in the display window.
If the TV is connected to the VCR using only the aerial cable, skip this step.

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

Recording TV programmes (continued)

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) or LINE-3 IN connector, or LINE-2 IN jacks using INPUT SELECT or PROG +/−. When you use PROG +/−, "L1," "L3" or "L2" appears in the display window between the lowest programme position and the highest one.
• The display appears on the TV screen indicating information about the tape, but the information won't be recorded on the tape.
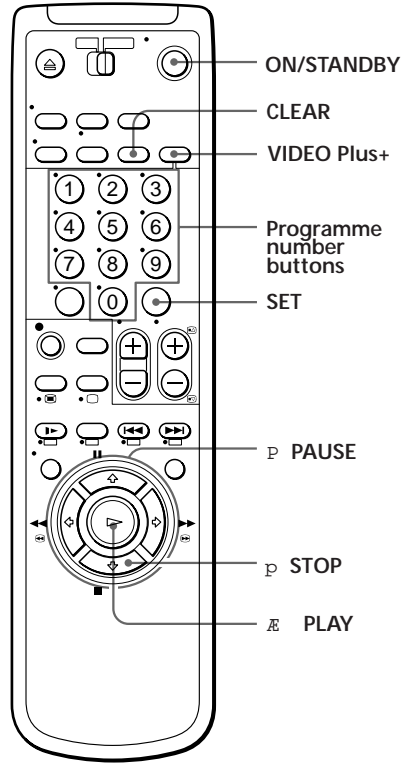• If you don't want to watch TV while recording, you can turn off the TV.

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 doesn't work for an NTSC-recorded tape. "–:– –" appears in the display window.
• The remaining time is intended for rough measurement only.
• If you play back the tape for about 30 seconds after you have inserted it, the remaining time will be displayed.
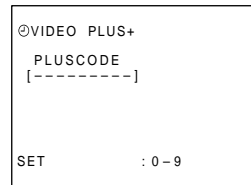
Recording TV programmes using VIDEO Plus+

Just enter the programme's "PlusCode" listed in the TV programme guide. The date, times, and programme position of that programme are set automatically. You can preset up to eight programmes at a time.

Before you start…
- Check that the VCR clock is set to the correct time.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
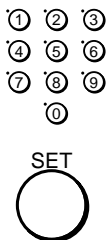
ON/STANDBY

CLEAR

VIDEO Plus+

Programme number buttons

SET

P **PAUSE**

p **STOP**

Æ **PLAY**

1 VIDEO Plus+   Press VIDEO Plus+.

```
 VIDEO PLUS+

  PLUSCODE
 [---------]



SET        : 0 – 9
```

2

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
　 ⓪

SET

Press the programme number buttons to enter the programme's PlusCode, then press SET.

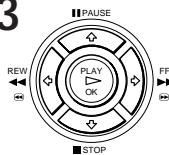If you make a mistake, press VIDEO Plus+ before pressing SET and re-enter the correct number.

The date, start and stop times, programme position, tape speed, and the VPS/PDC function setting appear on the TV screen.

For details of the VPS/PDC function, see "Timer recording with VPS/PDC signals" on page 39.

If the information is incorrect, press CLEAR to cancel the setting.

```
tTIMER            11. 12  FR

 DATE    TIME          PROG
 TODAY   19:00b20:00    35

  SP/LP    VPS/PDC
   SP        ON

SELECT         : B b
SET            : V v
OK             : OK
```
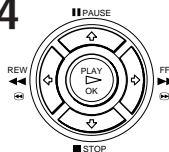
3

If you want to change the date, tape speed, and the VPS/PDC function setting:

1 Press ? // to flash the item you want to change.
2 Press > / . to reset it.

```
tTIMER            11. 12  FR

 DATE    TIME          PROG
 TODAY   19:00b20:00    35

  SP/LP    VPS/PDC
   LP        ON

SELECT         : B b
SET            : V v
OK             : OK
```

• To record the same programme every day or the same day every week, see "Daily/weekly recording" on page 39.
• To record from other source connected to the LINE-1 (TV) or LINE-3 IN connector, or LINE-2 IN jacks, press INPUT SELECT to display "L1", "L3", or "L2" in the "PROG" position.

4

Press OK to complete the setting.

5

● ON/STANDBY

Press ON/STANDBY to turn off the VCR.

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

To stop recording

To stop the VCR while recording, press p STOP.

Daily/weekly recording

In step 3 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** n **SU-SA (Sunday to Saturday)** n **MO-SA (Monday to Saturday)** n
> **MO-FR (Monday to Friday)** n **SA (every Saturday)** .....
> n **MO (every Monday)** n **SU (every Sunday)** n **1 month later** n **(dates
> count down)** n **TODAY**

Timer recording with VPS/PDC signals

The broadcast systems transmit VPS (Video Programme System) or PDC
(Programme Delivery Control) signals with their TV programmes. These
signals ensure that your timer recordings are made regardless of broadcast
delay, early starts or broadcast interruptions.

To use the VPS/PDC function, set VPS/PDC to ON. You can also use the
VPS/PDC function for a source connected to the LINE-1(TV), LINE-3 IN
connectors, and LINE-2 IN jacks.

To record satellite broadcasts

If you connect the satellite tuner and the VCR, you can record satellite
programmes.

1 Turn on the satellite tuner.

2 On the satellite tuner, select the satellite programme for which you
want to make a timer setting.

3 Keep the satellite tuner turned on until the VCR finishes recording the
satellite programme for which you have made a timer setting.

To use the VCR after setting the timer

To use the VCR before a timer recording begins, just press ON/STANDBY.
The ⏲ indicator turns off and the VCR switches on. Remember to press
ON/STANDBY 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 tape speed, you can also use the SP/LP button.
• When you are recording a progamme 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 TAPE SPEED to OFF in the TAPE OPTIONS menu (page 52).
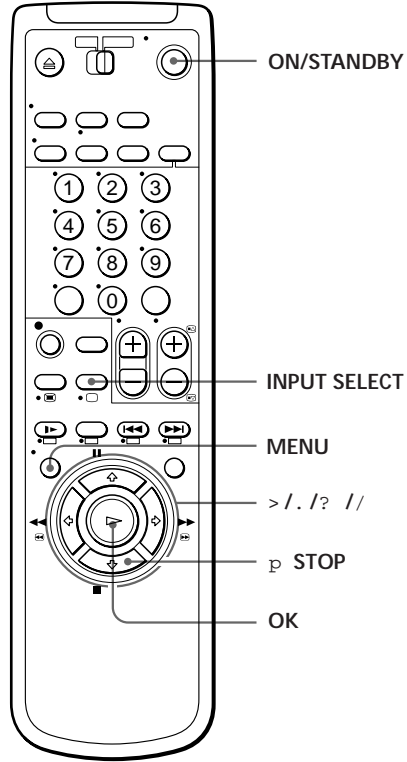
Note
• If the PlusCode is incorrect, the VIDEO Plus+ menu appears instead of the TIMER menu after pressing SET.

Setting the timer manually

If VIDEO Plus+ is not available in you area, follow the instructions below to set the timer to record programmes.
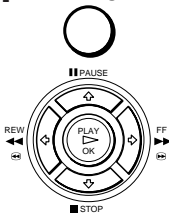
Before you start…
- Check that the VCR clock is set to the correct time.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- Turn on your TV and set it to the video channel.
- To record from a decoder, turn it on.

ON/STANDBY

INPUT SELECT

MENU

>/./? //

p STOP

OK

---

1 ● MENU Press MENU, then press > / . to select TIMER and press OK.

```
t TIMER            11. 12  FR

 DATE      TIME         PROG
 TODAY   19:00b20:00     35

 SP/LP    VPS/PDC
   SP        ON

SELECT      : B b
SET         : V v
OK          : OK
```
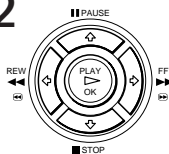
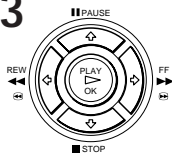## *Setting the timer manually (continued)*

2

Set the date, start and stop times, programme position, tape speed and VPS/PDC function:

1 Press ? // to flash each item in turn.
2 Press > / . to set each item.

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

```
tTIMER          11. 12  FR
DATE     TIME         PROG
TODAY    19:00b20:00   35
SP/LP    VPS/PDC
>LP<        ON
SELECT       : B b
SET          : V v
OK           : OK
```

- To record the same programme every day or the same day every week, see "Daily/weekly recording" on page 43.
- To use the VPS/PDC function, see "Timer recording with VPS/PDC signals" on page 43.
- To record from other source connected to the LINE-1 (TV) or LINE-3 IN connector, or LINE-2 IN jacks, press INPUT SELECT to display "L1", "L3", or "L2" in the "PROG" position.

3

Press OK.

4 ON/STANDBY

Press ON/STANDBY 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 p STOP.

To use the VCR after setting the timer

To use the VCR before a timer recording begins, just press ON/STANDBY. The ⏲ indicator turns off and the VCR switches on. Remember to press ON/STANDBY 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.

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** n **SU-SA (Sunday to Saturday)** n **MO-SA (Monday to Saturday)** n **MO-FR (Monday to Friday)** n **SA (every Saturday)** .....
> n **MO (every Monday)** n **SU (every Sunday)** n **1 month later** n **(dates count down)** n **TODAY**

Timer recording with VPS/PDC signals

The broadcast systems transmit VPS (Video Programme System) or PDC (Programme Delivery Control) signals with their TV programmes. These signals ensure that your timer recordings are made regardless of broadcast delay, early starts or broadcast interruptions.

To use the VPS/PDC function, set VPS/PDC to ON. You can also use the VPS/PDC function for a source connected to the LINE-1(TV), LINE-3 IN connectors, and LINE-2 IN jacks.
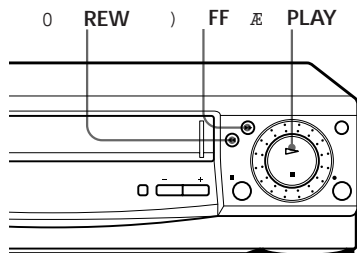
Tips
• To set the programme position, you can also use the PROG +/– or programme number buttons.
• To set the tape speed, you can also use the SP/LP button.
• When you are recording a progamme in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically 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 TAPE SPEED to OFF in the TAPE OPTIONS menu (page 52).
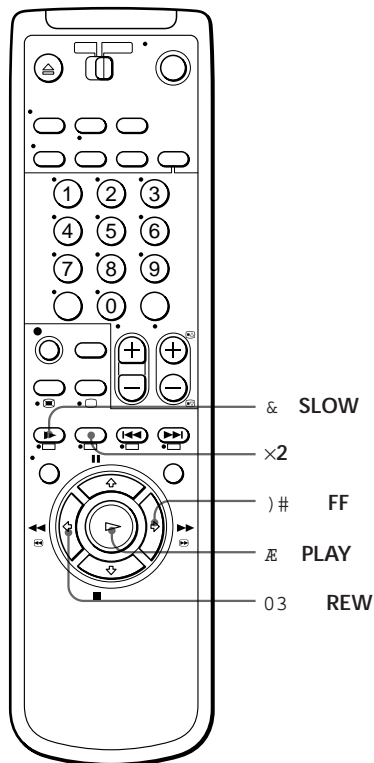
Notes
• When setting the timer with VPS/PDC signals, enter the start and stop times exactly as indicated in the TV programme guide, otherwise the VPS/PDC function won't work.
• If the VPS/PDC signal is too weak or the broadcasting station failed to transmit VPS/PDC signals, the VCR will start recording at the set time without using the VPS/PDC function.
• The ⏲ indicator flashes in the display window when you press ON/STANDBY with no tape inserted.

Playing/searching at various speeds

SLV-E530UX

0   **REW**   )   **FF**   Æ   **PLAY**

SLV-E295UX

Æ   **PLAY**

03   **REW**   )#   **FF**

&   **SLOW**

×2

)#   **FF**

Æ   **PLAY**

03   **REW**

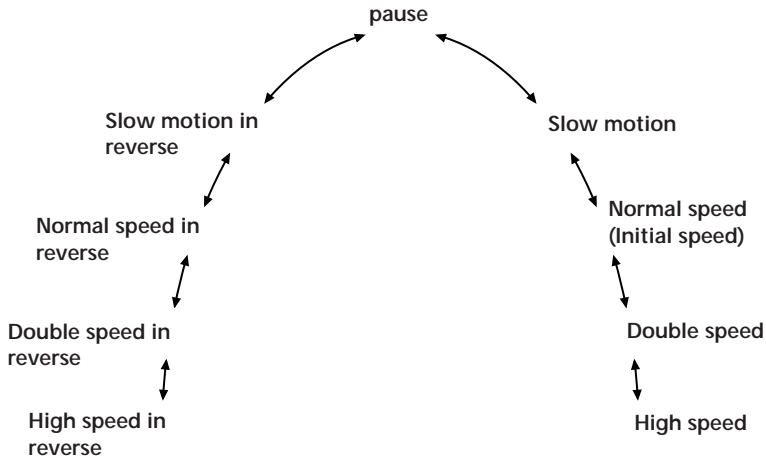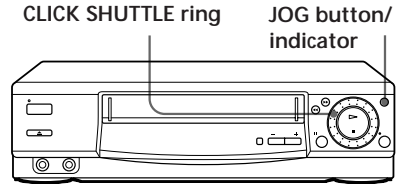| Playback options	Operation
View the picture during fast-forward or rewind	During fast-forward, hold down)# FF or) FF. During rewind, hold down 03 REW or 0 REW.
Play at high speed	• During playback, press)# FF or 03 REW. • During playback, hold down)# FF or 03 REW. To resume normal playback, release the button.
Play at twice the normal speed	During playback, press ×2.
Play in slow motion	During playback or pause, press & SLOW.
Play frame by frame	During pause, press)# FF or 03 REW. Hold down the button to play one frame each second.
Rewind and start play	During stop, press Æ PLAY on the VCR while holding down 03 REW or 0 REW on the VCR.

To resume normal playback

Press Æ   PLAY.

Using the CLICK SHUTTLE ring (SLV-E530UX only)

With the CLICK SHUTTLE ring, you can operate a variety of playback options.

During playback or pause, turn the CLICK SHUTTLE ring clockwise or counterclockwise. Each change in the CLICK SHUTTLE ring position changes the playback mode in the following way.

CLICK SHUTTLE ring   JOG button/ indicator

pause

Slow motion in reverse

Slow motion

Normal speed in reverse

Normal speed (Initial speed)

Double speed in reverse

Double speed

High speed in reverse

High speed

To use the CLICK SHUTTLE ring in jog mode

Use this mode for frame-by-frame play back.

Press JOG to enter the jog mode. The JOG button/indicator lights up. If you change to jog mode during any playback mode, playback pauses so you can see a still picture. Each change in the CLICK SHUTTLE ring position shifts the picture one frame. To shift frames in reverse, turn the CLICK SHUTTLE ring counterclockwise. The frame shift speed depends on the speed you turn the CLICK SHUTTLE ring. To cancel the jog mode, press JOG again. The JOG indicator goes off and the VCR enters the pause mode.

Playing/searching at various speeds (continued)

Tip
- Adjust the picture using the TRACKING +/– buttons on the VCR if:
    – streaks appear while playing in slow motion
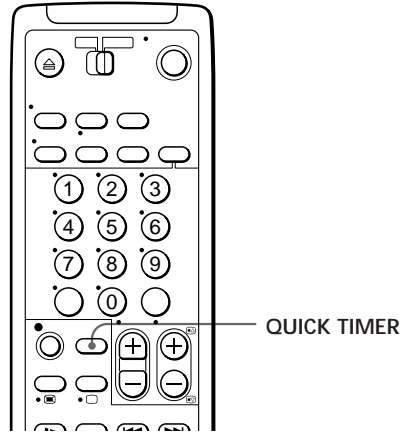   – the picture shakes while pausing.
    To set tracking to the centre position, press both buttons (+/–) at the same time.

Notes
- The sound is muted during these operations.
- Tapes recorded in the LP mode on other VCRs can be played back on this VCR but the picture quality cannot be guaranteed.
- The picture may shake, be distorted or discoloured during the various playback operations.
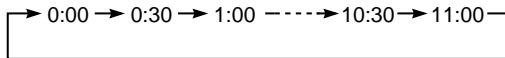
Recording TV programmes using the quick timer

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

QUICK TIMER

1 While recording, press QUICK TIMER once.

The ⏲ indicator appears in the display window.

SP VIDEO

$0:00$

2 Press QUICK TIMER repeatedly to set the duration.

Each press advances the time in increments of 30 minutes.

0:00 → 0:30 → 1:00 ----→ 10:30 → 11:00

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

To extend the duration

Press QUICK TIMER repeatedly to set to the new duration.

To stop recording

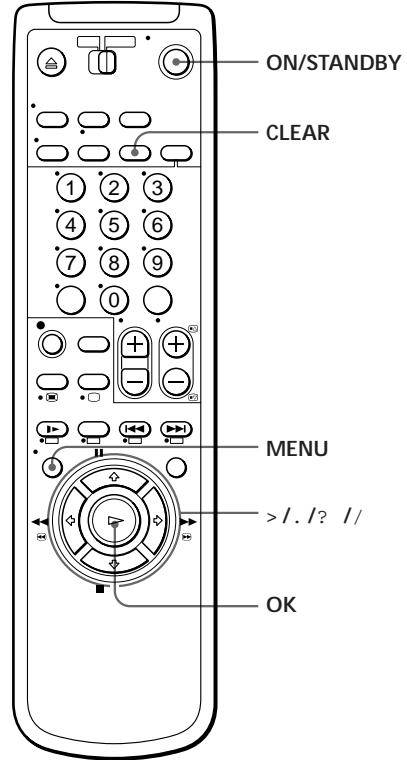To stop the VCR while recording, press p STOP.

Using the quick timer during stop mode

You can set the quick timer and start recording during stop mode by pressing QUICK TIMER. To set the channel, you can use the PROG +/– or INPUT SELECT buttons. Press QUICK TIMER repeatedly to set the recording duration. The recording will start automatically.

Checking/ changing/ cancelling timer settings

Before you start…

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

ON/STANDBY

CLEAR

MENU

> / . / ? / /

OK

1 Press ON/STANDBY to turn on the VCR.

2 Press MENU, then press > / . to select LIST and press OK:

- If you want to change a setting, go on to the next step.

- If you do not need to change the settings, press OK, then turn off the VCR to return to recording standby.

```
tLIST              11. 12  FR
 DATE    TIME        PROG
▶TU     1900b2000  BBC2 SP VPS
                            PDC
 13. 12  0930b1000  CH5  SP VPS
                            PDC
 11. 12  0500b0530  BBC1 LP
 MO-FR   1200b1300    L2 LP VPS
                            PDC
 MO-SA   2300b2330    L2 SP
 SU-SA   1212b1313  ITV  LP VPS
                            PDC
 --. -   ---b ---   --  -
```

3 Press > / . to select the setting you want to change or cancel, then press OK.

4 • To change the setting, press ? // to flash the item you want to change, and press > / . to reset it.

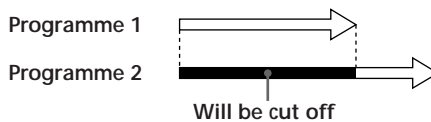• To cancel the setting, press CLEAR.

```
tTIMER              11. 12  FR

 DATE    TIME        PROG
 TODAY   19:00b20:00   35

 SP/LP    VPS/PDC
 >LP<       ON
 /|

SELECT           : B b
SET              : V v
OK               : OK
```

5 Press OK.

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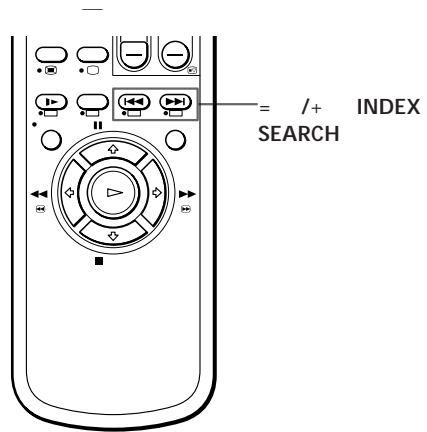
When the timer settings overlap

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.

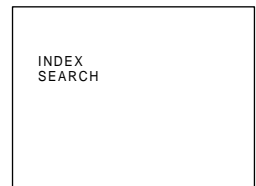Programme 1

Programme 2

Will be cut off

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.

=   /+   **INDEX SEARCH**

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. Playback starts automatically from that point.

```
INDEX
SEARCH
```

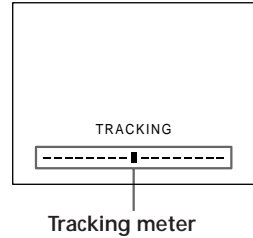**To stop searching**

Press p 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.

Adjusting the picture
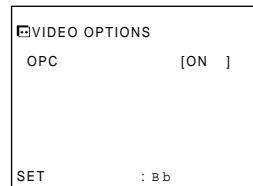
Adjusting the tracking

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. If so, manually adjust the tracking.

During playback, press the TRACKING +/– buttons on the VCR 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 adjustment eject the tape and restart it.

```
              TRACKING
   ┌─────────────────────────┐
   │ --------█-------         │
   └─────────────────────────┘
```

Tracking meter

About Optimum Picture Control (OPC)

Optimum Picture Control (OPC) 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 VIDEO OPTIONS menu (with the OPC indicator in the display window lit). For details, see page 52.

```
 ⊡VIDEO OPTIONS

   OPC              [ON  ]




 SET          : B b
```

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 first start recording, the VCR adjusts to the tape using the OPC function (the OPC indicator flashes rapidly). This adjustment is retained until the tape is ejected.
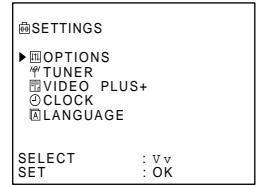
To deactivate the OPC

Press MENU and select SETTINGS, OPTIONS, VIDEO OPTIONS then set OPC to OFF. The OPC indicator in the display window goes off.

Note
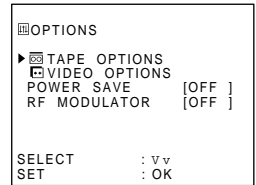• There is a delay of a few seconds before the VCR actually starts recording while the VCR analyses the tape. To avoid the delay, first set the VCR to recording pause (the OPC indicator flashes slowly) and press r REC to have the VCR analyse the tape. After the OPC indicator stops flashing, press P PAUSE to start recording immediately. If you press P PAUSE before the OPC indicator stops flashing, the OPC function is cancelled.

Changing menu options

1 Press MENU, then press > / . to select
SETTINGS and press OK.

```
🏠SETTINGS

▶🖿OPTIONS
 📡TUNER
 📺VIDEO PLUS+
 🕐CLOCK
 🅰LANGUAGE


SELECT      : ∨ v
SET         : OK
```

2 Press > / . to select OPTIONS, then press OK.

```
🖿OPTIONS

▶🔲TAPE OPTIONS
 📺VIDEO OPTIONS
 POWER SAVE     [OFF ]
 RF MODULATOR   [OFF ]


SELECT      : ∨ v
SET         : OK
```

3 Press > / . to select the option you want to change:

- To change the TAPE OPTIONS or VIDEO OPTIONS

    1 Press OK after selecting TAPE OPTIONS or VIDEO OPTIONS.

    2 Press > / . to select the option, then press ? / / to change the setting.

- To change the other options

    Press ? / / to change the setting.

4 Press OK to return to the original screen.

Menu choices
Initial settings are indicated in bold print.

TAPE OPTIONS

Menu option	Set this option to
AUTO TAPE SPEED	• ON to change the timer recording tape speed automatically to the LP mode when the remaining tape becomes shorter than the recording time. • **OFF** to keep the set tape speed.
TAPE SELECT	• 300 to use an E-300 type tape. • 240 to use an E-240 type tape. • **195** to use an E-195 or shorter type tape.

VIDEO OPTIONS

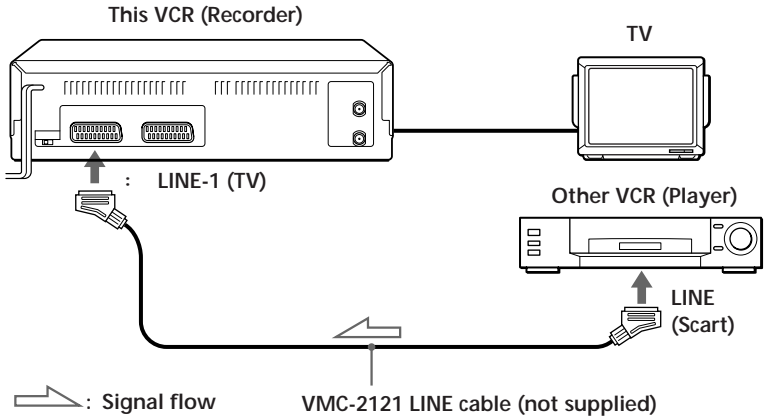| Menu option	Set this option to
OPC	• **ON** to switch on the OPC (Optimum Picture Control) function and improve picture quality. • OFF to switch off OPC.

Other options

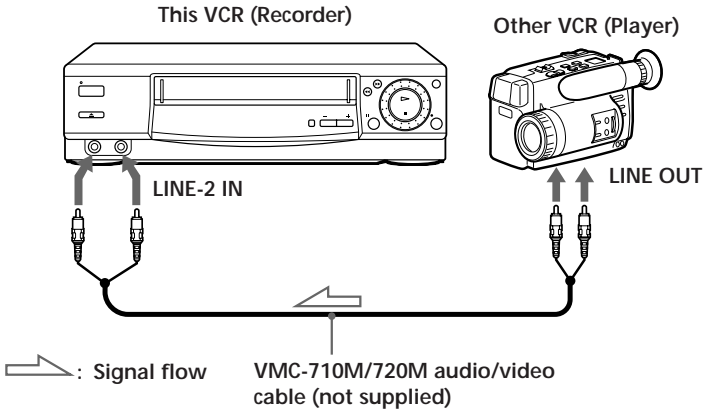| Menu option	Set this option to
POWER SAVE	• **OFF** to turn on the indicators in the display window while the VCR is standing by. • ON to turn off the indicators in the display window to conserve the VCR power.
RF MODULATOR	• **ON** if you connect the VCR to your TV using only the aerial cable. • OFF if you connect the VCR to your TV using the EURO-AV cable.

Note
• When you set a timer recording, the indicators in the display window are on even though POWER SAVE is set to ON.

Editing with another VCR

Connecting to record on this VCR

This VCR (Recorder)

TV

:   **LINE-1 (TV)**

Other VCR (Player)

LINE (Scart)

: **Signal flow**

VMC-2121 LINE cable (not supplied)

You can connect to the jacks on the front panel.

This VCR (Recorder)

Other VCR (Player)

LINE-2 IN

LINE OUT

: **Signal flow**

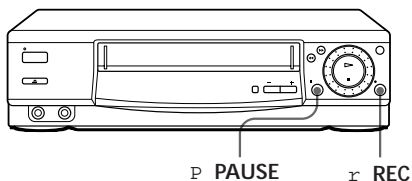**VMC-710M/720M audio/video cable (not supplied)**

Notes
- Make sure you connect the plugs to jacks of the same colour.
- 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.

Operation (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 "L1" (or "L2" or "L3") in the display window.
• Press SP/LP to select the tape speed, SP or LP.

P **PAUSE**   r **REC**

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 P PAUSE.

3 Press r REC on this VCR and set it to recording pause.

4 To start editing, press the P PAUSE buttons on both VCRs at the same time.

To stop editing

Press the p STOP buttons on both VCRs.

Tips
• To edit more precisely, press the P PAUSE buttons on the VCRs to release pause.
• To cut out unwanted scenes while editing, press P PAUSE on this VCR when an unwanted scene begins. When it ends, press P PAUSE again to resume recording (Assemble Editing).

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

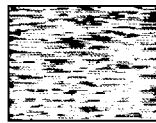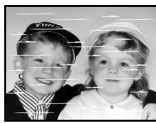# Troubleshooting

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

	Symptom	Remedy
Power	The ON/STANDBY switch does not function.	• Connect the mains lead to mains securely.
	The power is turned on but the VCR does not operate.	• Moisture condensation occurs. Turn the power off, unplug the mains lead and leave the VCR to dry for over one hour.
Clock	The clock has stopped and "–:– –" lights in the display window.	• The clock stops if the VCR is disconnected from the mains for more than an hour. Reset the clock (and timer).
Playback	The playback picture does not appear on the TV screen.	• Make sure the TV is set to the video channel. If you are using a monitor, set it to video input. • If the VCR is connected to the TV only with the aerial cable, make sure that RF MODULATOR in the OPTIONS menu is set to ON.
	The picture is not clear.	• Adjust the tracking with the TRACKING +/– buttons. • 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. • The video heads may have to be replaced. Consult your local Sony service facility for more information.
	The picture rolls vertically during picture search.	• Adjust the vertical hold control on the TV or monitor.
	The picture has no sound.	• The tape is defective. Use a new tape.

Symptoms caused by contaminated video heads

• Normal picture   • Rough picture   • Unclear picture   • No picture (or black & white screen appears)

initial contamination ⟶ terminal

	Symptom	Remedy
Recording	No TV programme appears on the TV screen.	• Make sure the TV is set to the video channel. If you are using a monitor, set it to video input. • If the VCR is connected to the TV using only the aerial cable, make sure that RF MODULATOR in the OPTIONS menu is set to ON.
	TV reception is poor.	• Adjust the TV aerial.
	The tape starts playing as soon as it is inserted.	• The safety tab has been removed. To record on this tape, cover the tab hole.
	The tape is ejected when you press r REC.	• Check that the safety tab has not been removed.
	Nothing happens when you press r REC.	• Make sure the tape is not at its end. • Select the correct source with the INPUT SELECT button. Select a programme position when recording TV programmes; select "L1," "L2," or "L3" when recording from other equipment.
Timer recording	The timer does not operate.	• Check that the clock is set. • Make sure a tape has been inserted. • Check that the safety tab has not been removed. • Make sure the tape is not at its end. • Make sure a programme has been set for timer recording. • Make sure your timer settings have not already passed the current time. • Check that the decoder is turned on. • Check that the satellite tuner is turned on. • The clock stops if the VCR is disconnected from the mains for more than one hour. Reset the clock and timer.

Symptom	Remedy
A tape cannot be inserted.	• Check that a tape isn't already in the tape compartment.
The remote commander does not function.	• Make sure you are pointing the remote commander at the remote sensor on the VCR. • Replace all the batteries in the remote commander with new ones if they are weak. • Make sure the [TV]/[VIDEO] remote control switch is set correctly.
The tracking meter does not appear on the screen.	• The recording condition of the tape is very poor and tracking cannot be adjusted or the NTSC system is being used.
You cannot control other TVs.	• Set your TV's code number. The code number resets to 01 when you replace the batteries of the remote commander.
The VCR needs to be cleaned.	• 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.

Others

Specifications

System

Channel coverage
    PAL (I)
    UHF B21 - B69
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-3 IN
    21-pin
    Video input: pin 20
    Audio input: pins 2 and 6
LINE-2 IN
    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

General

Power requirements
    220 – 240 V AC, 50 Hz
Power consumption
    20 W
Operating temperature
    5°C to 40°C
Storage temperature
    –20°C to 60°C
Dimensions
    Approx. $355 \times 96 \times 285$ mm (w/h/d) including projecting parts and controls
Mass
    Approx. 3.9 kg

Supplied accessories

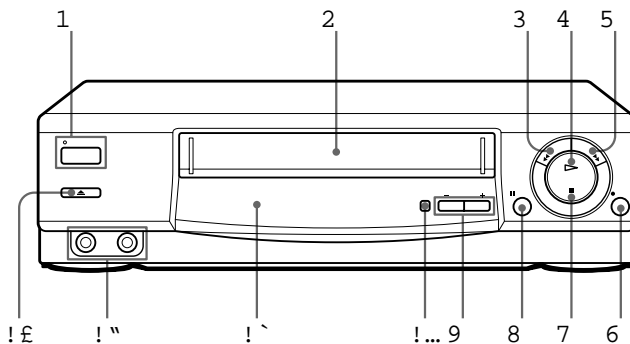Remote commander (1)
R6 (size AA) batteries (2)
Aerial cable (1)

Design and specifications are subject to change without notice.
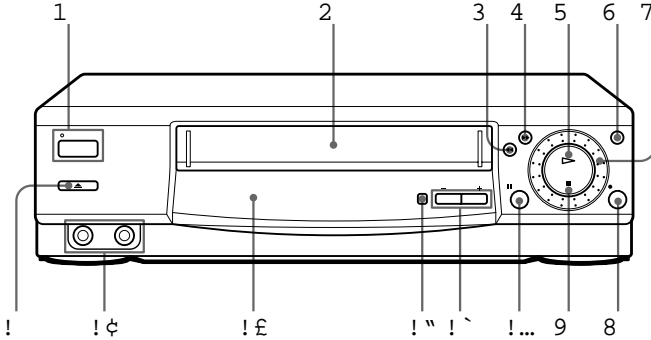
Index to parts and controls

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

Front panel (SLV-E295UX)

1   ON/STANDBY switch/indicator (38)

2   Tape compartment

3   O3   REW (rewind) button (31, 44)

4   Æ   PLAY button (30)

5   )#   FF (fast-forward) button (31, 44)

6   r REC (record) button (34)

7   p STOP button (34)

8   P PAUSE button (31)

9   PROGRAM/TRACKING +/– buttons (34, 51)

!…   AUTO SET UP/RF (Radio Frequency) CHANNEL button (11, 13)

!`   Remote sensor (5)

!"   LINE-2 IN VIDEO/AUDIO jacks (54)

!£   6 EJECT button (31)

Front panel (SLV-E530UX)

1   ON/STANDBY switch/indicator
     (38)

2   Tape compartment

3   0   REW (rewind) button (31, 44)

4   )   FF (fast-forward) button (31, 44)

5   Æ   PLAY button (30)

6   JOG button/indicator (45)

7   CLICK SHUTTLE ring (45)

8   r REC (record) button (34)

9   p STOP button (34)

0   P PAUSE button (31)

!`   PROGRAM/TRACKING +/–
     buttons (34, 51)

!“   AUTO SET UP/RF (Radio
     Frequency) CHANNEL button
     (11, 13)

!£   Remote sensor (5)

!¢   LINE-2 IN VIDEO/AUDIO jacks
     (54)

!   6 EJECT button (31)

Display window

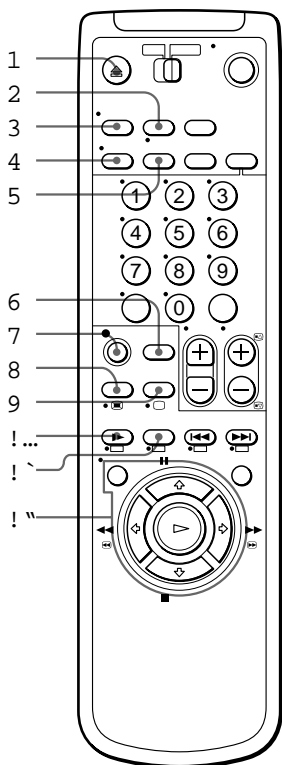|	
1 Timer indicator (38)	6 Tracking indicator (51)
2 Tape speed indicators (34)	7 Time counter/clock/line/ programme position indicator (31, 34, 55)
3 VIDEO indicator (35)	
4 OPC (Optimum Picture Control) indicator (51)	8 Remaining time indicator (35)
5 VPS/PDC (Video Programme System/Programme Delivery Control) indicator (39, 43)	9 Tape/recording indicator (34)

Rear panel

1   **Mains lead (9)**

2   **AERIAL IN**
    ANTENNE ENTREE connector (9)

3   **AERIAL OUT**
    ANTENNE SORTIE connector (9)

4   **LINE-3 IN**
    ENTREE LIGNE-3 connector

5   **:   LINE-1 (TV)**
    :   LIGNE-1 (TV) connector (10, 54)

6   **NTSC PB (PlayBack) switch (31)**

Remote commander

1   6 EJECT button (31)

2   COUNTER RESET button (31)

3   DISPLAY button (31)

4   WIDE button *(for TV)* (6)

5   TV/VIDEO button (35)

6   QUICK TIMER button (47)

7   r REC (record) button (34)

8   SP (Standard Play)/LP (Long Play)
     button (34)
     V (Teletext) button *(for TV)* (6)

9   INPUT SELECT button (33, 42)
     ; TV power on/TV mode select
     button *(for TV)* (6)

!… & SLOW button* (44)

!` ×2 button* (44)

!" Tape/menu operatin buttons

     MENU button (14, 52)
     P PAUSE/> button (31)
     p STOP/. button (34)
     0 3 REW (rewind)/? button
     (31, 44)
) # FF (fast-forward)// button
     (31, 44)
     Æ PLAY/OK button (30)

!£ [TV] / [VIDEO] remote control switch (5)

!¢ ON/STANDBY switch (38)

! COUNTER/REMAIN button (35)

!/ CLEAR button (49)

!ƒ VIDEO Plus+ button (37)

!¥ Programme number buttons (24, 38)

!» SET button (38)

@… ? (ten's digit) button (36)

@` PROG (programme) +/– buttons (34)
   ^ / Teletext page access buttons *(for TV)* (6)

@" VOL (volume) +/– buttons (*for TV*) (6)

@£ = / + INDEX SEARCH buttons* (50)

@¢ REPLAY button (31)

* FASTEXT buttons (*for TV*)