

KV-V1430K/P
KV-V2110K/P

Operating Instructions **GB**

Trinitron Colour Video TV

VHS Video
COMBO

Black **Trinitron**



WARNING

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

Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.

Caution

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

Unauthorized recording of such materials may be contrary to the provisions of the copyright laws.

Colour System of Your Set

This video TV is designed to receive TV programmes based on PAL (B/G and D/K) and SECAM (B/G and D/K) colour systems and to record and play on PAL and MESECAM colour systems. Also, the video TV can play tapes on NTSC colour system.

Precautions

Safety Information

For general safety:

- Do not expose the unit to rain or moisture.
- Do not open the rear cover.

For safe installation:

- Do not block the ventilation openings.
- Do not install the unit in hot, humid, or excessively dusty places.
- Do not install the unit where it may be exposed to mechanical vibrations.

For safe operations:

- Do not operate the unit on anything but 230 V AC.
- Do not operate the unit if any liquid or solid object falls in it—have it checked immediately.
- 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.

For your protection, refer all servicing to qualified personnel.

About Moisture Condensation

If the unit is brought directly from a cold place to a warm place, moisture may condense on the video head drum. If this happens, the tape may stick to the head drum and it may be damaged or the unit may not operate correctly. To avoid possible damage caused by moisture condensation, be sure not to leave a cassette inside the compartment when the unit is not in use. When bringing the unit from a cold place to a warm place, wait for about 10 minutes before operating it.

If the tape operation buttons do not work due to moisture condensation, leave the unit for more than one hour with the power on.

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About This Manual

The instructions in this manual are for models KV-V1430K/P and KV-V2110K/P.

The KV-V2110K/P differs from the KV-V1430K/P in the location of some jacks on rear panel of the video TV.

There are no differences between these models in operation.

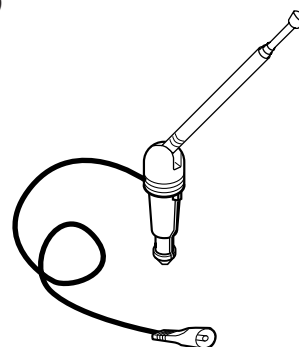
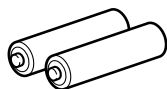
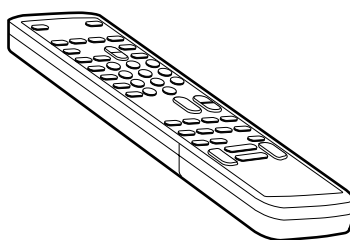
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Step 1 — Preparation

Checking the Supplied Accessories

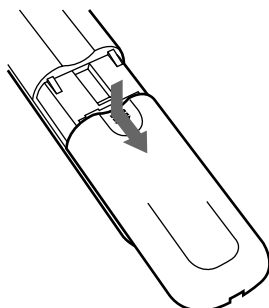
When you have taken everything out of the carton, check that you have these items:

- Remote Commander
- Two R6 (size AA) batteries
- Monopole aerial (KV-V1430K/P only)
- Aerial connector (KV-V1430K/P only)

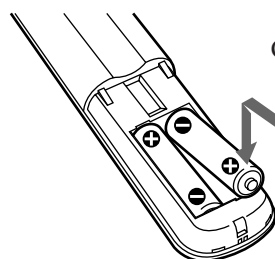


(KV-V1430K/P only)

Inserting Batteries into the Remote Commander



Turn the Commander over, and remove the cover.



Check the polarities and position two R6 batteries correctly.

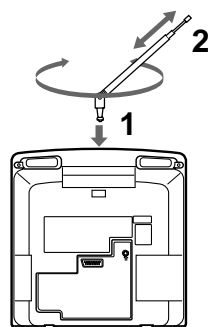
Step 2 — Connecting the Aerial

Connecting an Indoor Aerial (KV-V1430K/P only)

If your local VHF/UHF signal is strong, an indoor aerial can be used to obtain a clear picture. Connect the supplied dipole aerial as follows.

- 1 Insert the aerial until it clicks.
- 2 After turning on the video TV, adjust the aerial for best reception.

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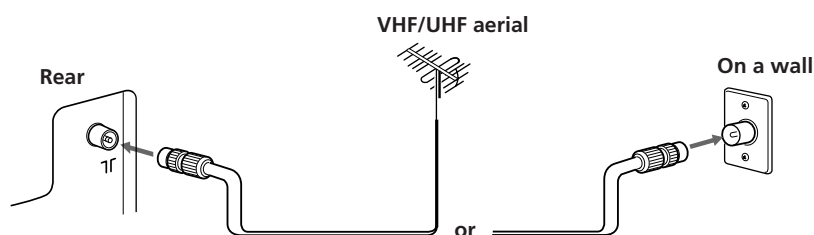


Connecting an Outdoor Aerial

For better TV reception and recording with clear video picture, connect an outdoor aerial to your video TV.

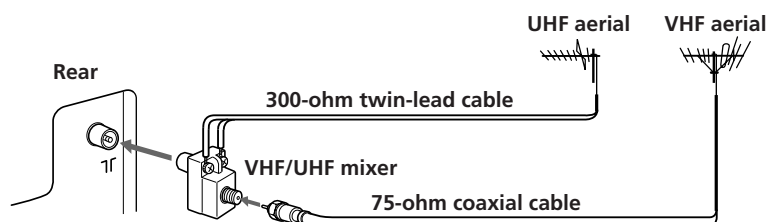
To connect a VHF aerial or a combination VHF/UHF aerial—75-ohm coaxial cable (round)

Attach an IEC aerial connector to 75-ohm coaxial cable. Plug the connector into the 1F (aerial) socket of the video TV.



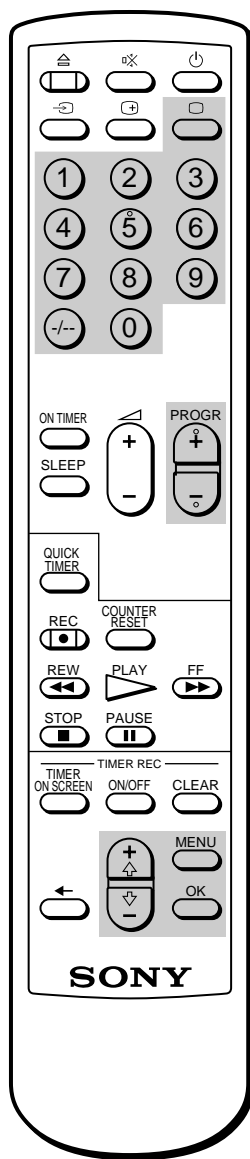
To connect both VHF and UHF aerials

Attach the aerial cable ends to the VHF/UHF mixer (not supplied). Plug the mixer into the 1F (aerial) socket of the video TV.



After connecting the aerial, connect the mains lead to a wall outlet.

Step 3 — Tuning in to TV Stations



Note on the DEMONSTRATION function

If you choose "DEMONSTRATION" on the main menu and press OK, you can see a sequential demonstration on the menu functions on the screen. Press any button (e.g. MENU) to stop this function.

You should preset the channels (up to 60 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you want to allocate programme numbers to the channels one by one.

Before you begin

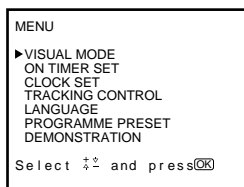
- If the  lamp on the video TV is lit in red, press , PROG +/– or a number button on the Remote Commander.


Selecting the Language on the Menu

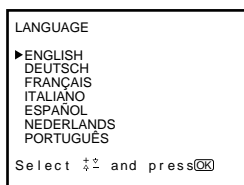
You can select one of several languages for the menu and on-screen information.



The initial setting is English.

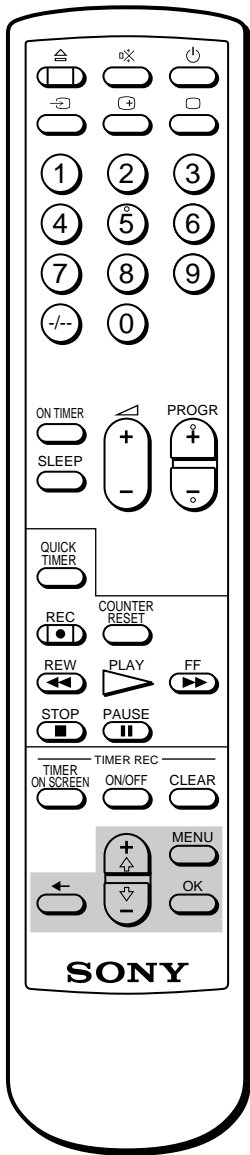
- 1 Press MENU.
The main menu appears.



- 2 Move the cursor (▶) to "LANGUAGE" with +  or –  and press OK.
The LANGUAGE menu appears.



- 3 Select the language you want with +  or –  and press OK.
The selected language is coloured green, and the menu appears in the selected language.
- 4 Press MENU to go back to the original screen.

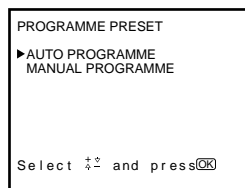


To stop automatic channel presetting

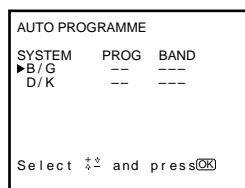
Press on the Remote Commander.

Presetting Channels Automatically

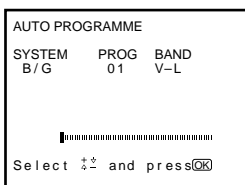
- 1 Press MENU to display the main menu.
- 2 Move the cursor (▶) to "PROGRAMME PRESET" with + ⬆ or - ⬇ and press OK.
The PROGRAMME PRESET menu appears.



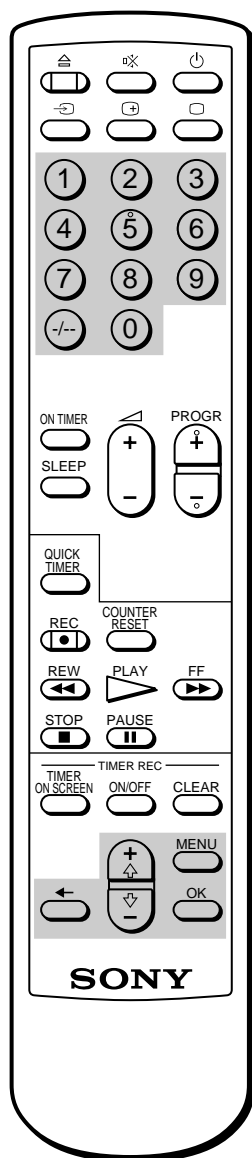
- 3 Move the cursor (▶) to "AUTO PROGRAMME" with + ⬆ or - ⬇ and press OK.
The AUTO PROGRAMME menu appears.



- 4 Move the cursor (▶) to "B/G" or "D/K" with + ⬆ or - ⬇ and press OK.
The programme number you previously watched appears in red in the "PROG" position.
Using + ⬆ or - ⬇, select the programme number from which you want to start presetting.
- 5 Press OK.
The tuning bar appears, and the video TV starts scanning and presetting a receivable channel from programme number selected in step 4.
The band scanning by tuning bar is displayed in the "BAND" position.



The preset programme and channel numbers are displayed on the screen in sequence. When presetting is finished, the original screen appears. All available channels are now stored on successive number buttons.



For programme positions beyond 2

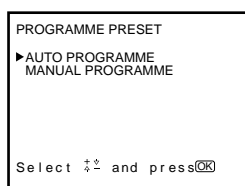
The display scrolls by pressing \downarrow repeatedly.

If you have made a mistake

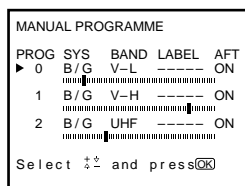
Press \leftarrow to go back to the previous position.

Presetting Channels Manually

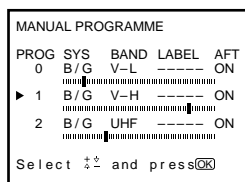
- 1 Press MENU to display the main menu.
- 2 Move the cursor (\blacktriangleright) to "PROGRAMME PRESET" with $+$ \uparrow or $-$ \downarrow and press OK.
The PROGRAMME PRESET menu appears.



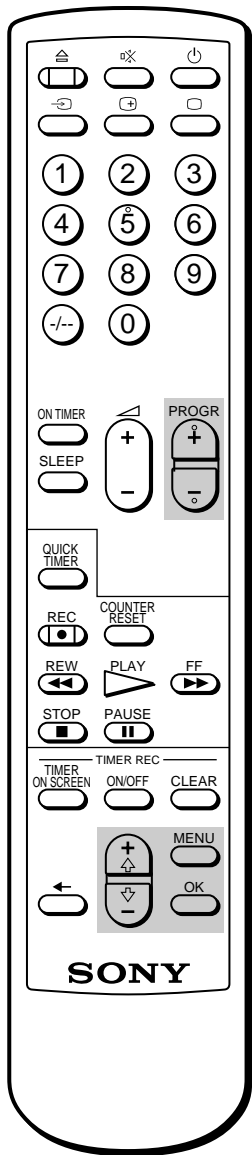
- 3 Move the cursor (\blacktriangleright) to "MANUAL PROGRAMME" with $+$ \uparrow or $-$ \downarrow and press OK.
The MANUAL PROGRAMME menu appears.



- 4 Using $+$ \uparrow or $-$ \downarrow , move the cursor (\blacktriangleright) to the programme position (number button) to which you want to preset the channel, and press OK.



- 5 Press OK.
The BAND position turns red.
- 6 Select the band (V-L, V-H or UHF) you want to preset with $+$ \uparrow or $-$ \downarrow , and press OK repeatedly until the tuning bar turns red.
- 7 Press $+$ \uparrow (up) or $-$ \downarrow (down).
The tuning bar turns green and starts scanning receivable channels. When the receivable channel is found, the tuning bar stops. If you want to preset this channel, press OK. If not, press $+$ \uparrow or $-$ \downarrow again to search for another band.
- 8 Repeat steps 4 to 7 to preset other channels.
- 9 After you finish presetting, press MENU to go back to the original screen.

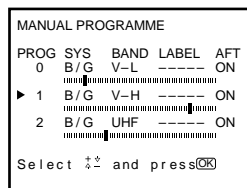


Skipping Programme Positions

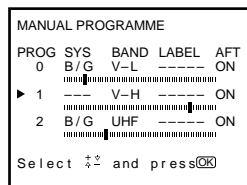
You can skip unused programme positions when selecting programme with PROGR +/- buttons. However, the skipped programmes may still be called up when you select them with the number buttons.

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- 1** Press MENU to display the main menu.
- 2** Move the cursor (▶) to "PROGRAMME PRESET" with + ⬆ or - ⬇ and press OK.
The PROGRAMME PRESET menu appears.
- 3** Move the cursor (▶) to "MANUAL PROGRAMME" with + ⬆ or - ⬇ and press OK.
The MANUAL PROGRAMME menu appears.
- 4** Using + ⬆ or - ⬇, move the cursor (▶) to the programme position which you want to skip and press OK.
The "SYS" position turns red.



- 5** Press + ⬆ or - ⬇ until "----" appears in the "SYS" position and press OK.

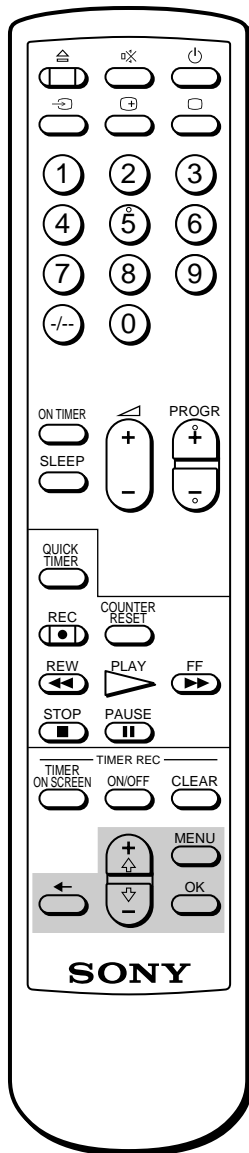


When you select programmes using the PROGR +/- buttons, the programme position is skipped.

For programme positions beyond 2

The display scrolls by pressing - ⬇ repeatedly.

- 6** Repeat steps 4 and 5 to skip other programme positions.
- 7** Press MENU to go back to the original screen.



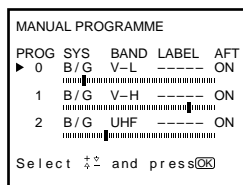
If you have made a mistake

Press **←** to go back to the previous position.

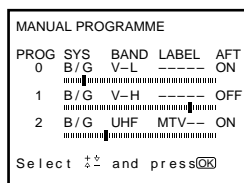
Captioning a TV Station Name

You can name a channel using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. MTV). Using this function, you can easily identify which channel you are watching.

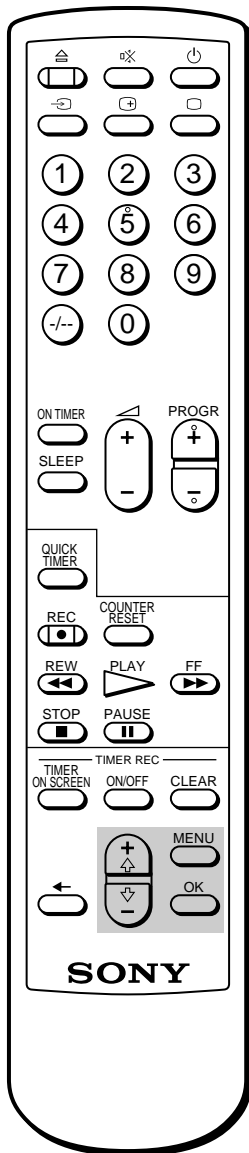
- 1** Press **MENU** to display the main menu.
- 2** Move the cursor (▶) to "PROGRAMME PRESET" with + ⬆ or - ⬇ and press **OK**.
The PROGRAMME PRESET menu appears.
- 3** Move the cursor (▶) to "MANUAL PROGRAMME" with + ⬆ or - ⬇ and press **OK**.
The MANUAL PROGRAMME menu appears.



- 4** Using + ⬆ or - ⬇, move the cursor (▶) to the programme position you want to caption and press **OK** repeatedly until the first element of the "LABEL" position turns red.
- 5** Select a letter or number with + ⬆ or - ⬇ and press **OK**.
The next element turns red. Select other characters in the same way. For the element you want to leave blank, select "-" and press **OK**.



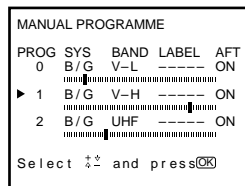
- 6** After selecting all the characters, press **OK** repeatedly until the cursor appears. Now the caption you chose is stored.
- 7** Repeat steps 4 to 6 to caption other channels.
- 8** Press **MENU** to go back to the original screen.



Manual Fine-Tuning

Normally, the automatic fine-tuning (AFT) is already working. However, if the picture of a programme is distorted, you can use the manual fine-tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- 2 Move the cursor (▶) to "PROGRAMME PRESET" with + ⬆ or - ⬇ and press OK.
The PROGRAMME PRESET menu appears.
- 3 Move the cursor (▶) to "MANUAL PROGRAMME" with + ⬆ or - ⬇ and press OK.
The MANUAL PROGRAMME menu appears.
- 4 Using + ⬆ or - ⬇, move the cursor (▶) to the programme position which you want to manually fine-tune.



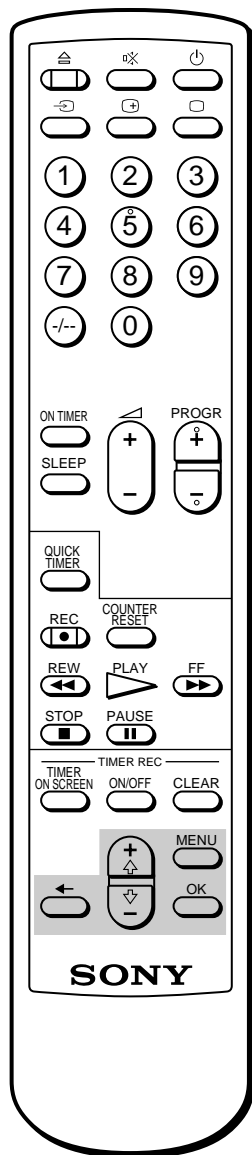
- 5 Press OK repeatedly until the AFT position turns red, then press + ⬆ or - ⬇ to select OFF.
- 6 Press OK.
The tuning bar turns red.
While holding down + ⬆ or - ⬇, the tuning bar flashes red and green by turns, and the channel is fine-tuned. When the best TV reception is found, release + ⬆ or - ⬇.
- 7 Press OK.
The cursor (▶) appears. Now the fine-tuned level is stored.
- 8 Repeat steps 4 to 7 to fine-tune other channels.
- 9 Press MENU to go back to the original screen.

To reactivate automatic fine-tuning (AFT)

Repeat from the beginning and select "ON" in step 5.

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Step 4 — Setting the Clock



If you have made a mistake

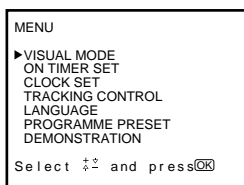
Press **←** to go back to the previous position.

If power is interrupted or you disconnect the mains lead for more than one day

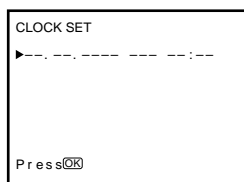
You have to re-set the clock.

You need to set the clock for using timer recording and quick-timer recording functions.

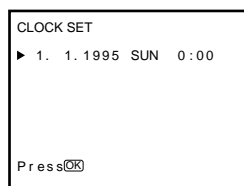
- 1 Press MENU to display the main menu.



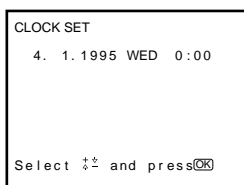
- 2 Move the cursor (▶) to "CLOCK SET" with + ↑ or - ↓ and press OK. The CLOCK SET menu appears.



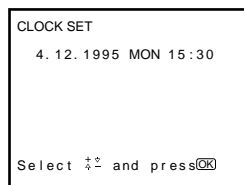
- 3 Press OK to start setting the clock. The day section turns red.



- 4 Set the day with + ↑ or - ↓ and press OK. The month section turns red.



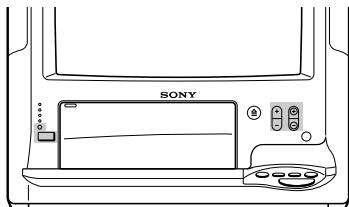
- 5 Using + ↑ or - ↓ and OK, set the month, year, hour and minute in the same way as in step 4.



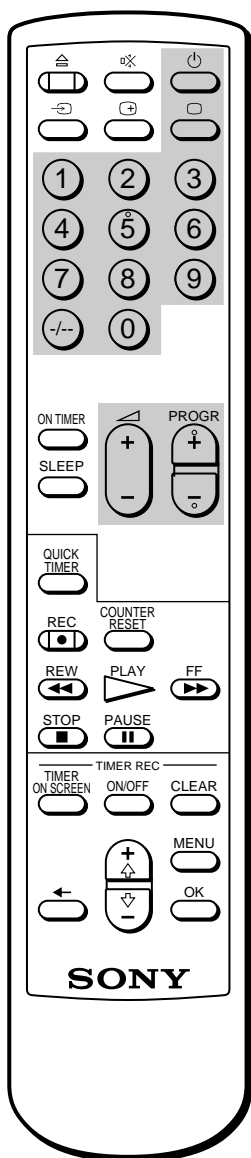
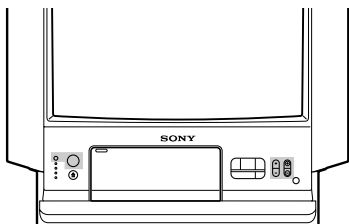
- 6 After setting the minute, press OK. The clock starts working.
- 7 Press MENU to go back to the original screen.

Watching the TV

KV-V1430K/P



KV-V2110K/P




This section explains the basic functions you use while watching the TV. Most of the operations can be done using the Remote Commander.


Switching the TV On and Off

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Switching on

Press , **PROGR +/-** or number buttons on the Remote Commander, or **PROGR +/-** on the video TV.

Switching off

Press .
The video TV enters standby mode and the  lamp on the front of the video TV lights up in red.

To switch off the main power

Disconnect the mains lead from a wall outlet.

Selecting TV Programmes

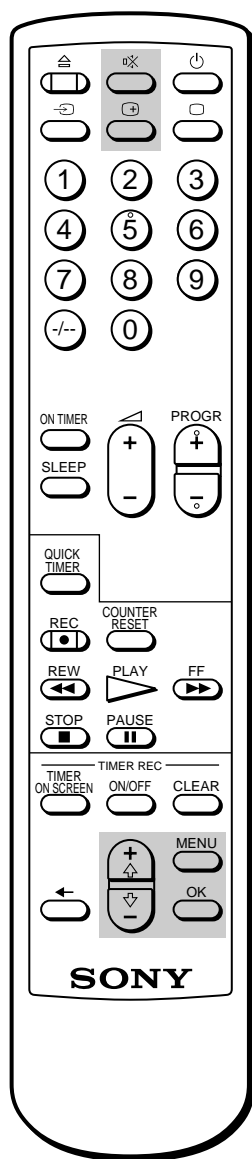
Press **PROGR +/-** or number buttons on the Remote Commander or **PROGR +/-** on the video TV.

To select a double-digit number using the number buttons

Press **-/-**, then the numbers.
For example, if you want to choose 14, press **-/-**, 1 and 4.

Adjusting the Volume

Press  **+/-**.



Muting the Sound

Press

The indicator appears and stays on the screen.

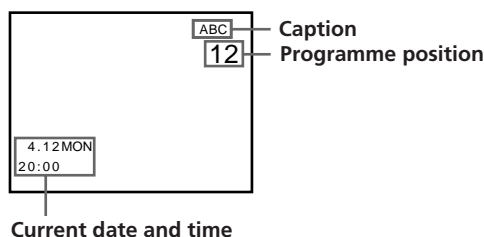
To resume normal sound, press again or +.

Displaying the On-screen Information

Press to display the following on-screen information.

To have the programme number and caption stay on the screen, press again.

To make the indications disappear, press until no indications are displayed on the screen.

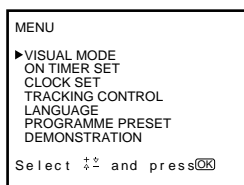


Adjusting the Picture

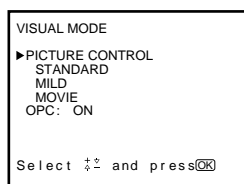
You can select one of four settings for picture effect in the menu. You can also adjust the picture to suit your own taste.

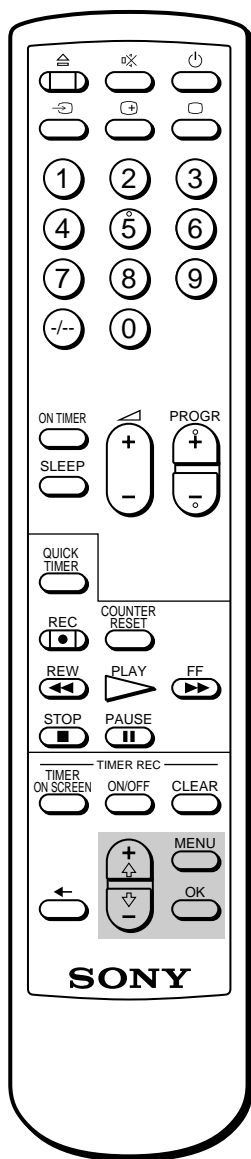
Selecting the picture effect

- 1 Press MENU to display the main menu.



- 2 Move the cursor () to VISUAL MODE with + or - and press OK. The VISUAL MODE menu appears.





- 3 Using + \uparrow or - \downarrow , select the setting you want and press OK. For the effect of each setting, see the table below. The selected setting is stored.

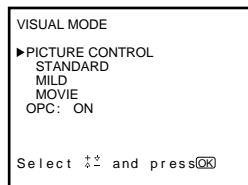
Effect of each setting

Setting	Picture effect
PICTURE CONTROL	The adjusted picture control levels are stored. (See "Adjusting the picture displayed on the screen.")
STANDARD	More contrast
MILD	Less contrast
MOVIE	Darker e.g. when watching a movie

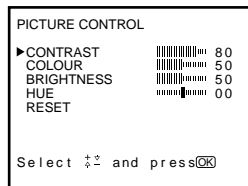
- 4 Press MENU to go back to the original screen.

Adjusting the picture displayed on the screen

- 1 Press MENU to display the main menu.
- 2 Move the cursor (\blacktriangleright) to VISUAL MODE with + \uparrow or - \downarrow and press OK. The VISUAL MODE menu appears.



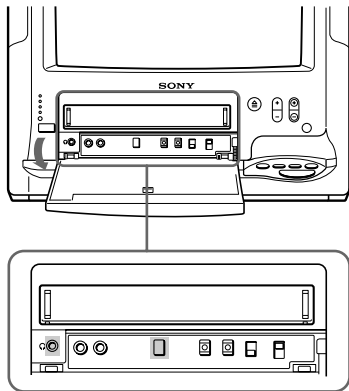
- 3 Move the cursor (\blacktriangleright) to PICTURE CONTROL with + \uparrow or - \downarrow and press OK. The PICTURE CONTROL menu appears.



Note
The HUE adjustment is available only for the NTSC colour system.

- 4 Using + \uparrow or - \downarrow , select the item you want to adjust and press OK.
- 5 Adjust the picture with + \uparrow or - \downarrow and press OK. With each press the vertical bars increase or decrease and the figure at the right margin changes to show the control level. (See the table on the next page.)
- 6 Repeat steps 4 and 5 to adjust other items.

KV-V1430K/P

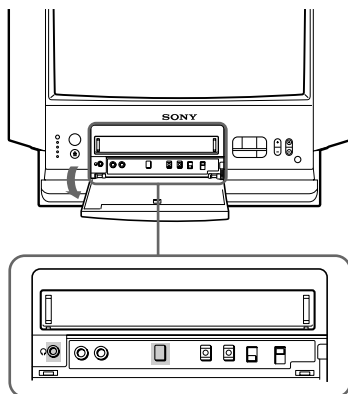


- Press MENU to go back to the original screen. The adjusted control levels are stored.

Effect of each control

PICTURE CONTROL	Effect
CONTRAST	Less ██████████..... More
COLOUR	Less ██████████..... More
BRIGHTNESS	Darker ██████████..... Brighter
HUE	Greenish Reddish
RESET	Resets all the items to the factory preset levels.

KV-V2110K/P

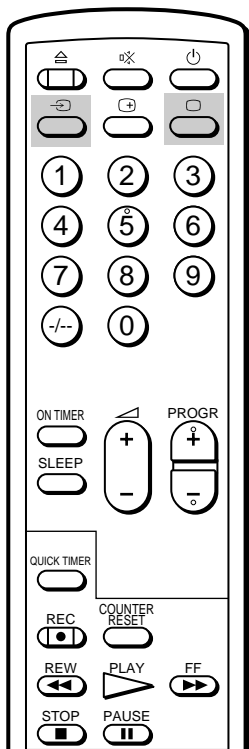


Watching Line Input

Press repeatedly until the desired input indicator appears. To go back to the normal TV picture, press until the programme position appears, or press on the Remote Commander once. For details of the video input picture, see page 30.

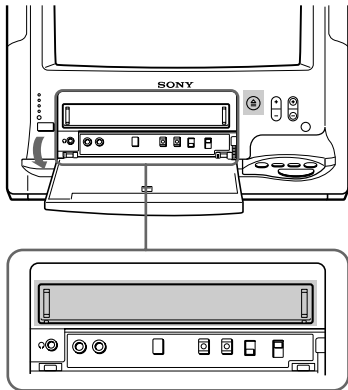
Listening with Headphones

Plug the headphones (not supplied) to the (headphones) jack inside the front panel on the video TV. The sound from the speaker is shut off.

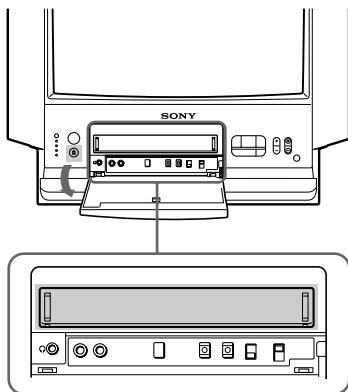


Playing a Tape

KV-V1430K/P



KV-V2110K/P



This section shows you how to insert a cassette and to play it. More convenient functions you can use while playing a tape is shown in "Additional Operations" from page 26.

Inserting a Video Cassette

- 1 Press , **PROGR +/-** or number buttons on the Remote Commander, or **PROGR +/-** on the video TV.
- 2 Open the front panel on the video TV.
- 3 Gently press the centre of the front side of a cassette with the arrow indication facing upwards. The cassette is automatically loaded into the cassette compartment.

The indicator appears on the screen and stays until the cassette has been loaded.

The video TV turns on automatically when it is in standby mode. If you insert a cassette with its safety tab removed, playback starts.

Ejecting a Video Cassette

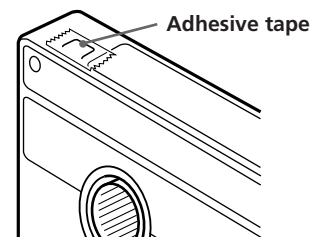
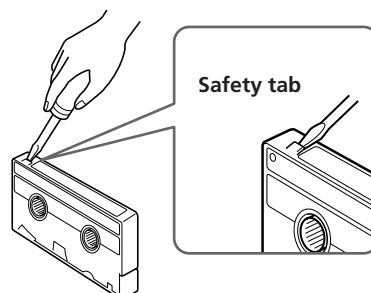
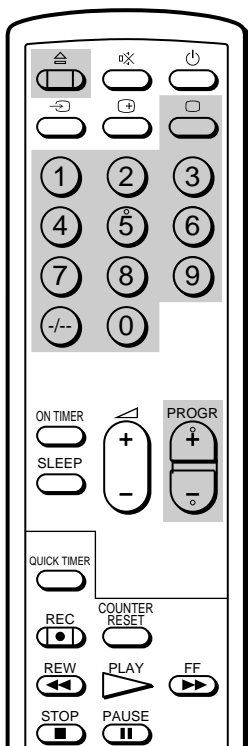
Press **EJECT** on the video TV or on the Remote Commander. The indicator appears and stays until the cassette is ejected. You can eject the cassette even if the power is off.

Protecting Your Cassette against Accidental Erasure

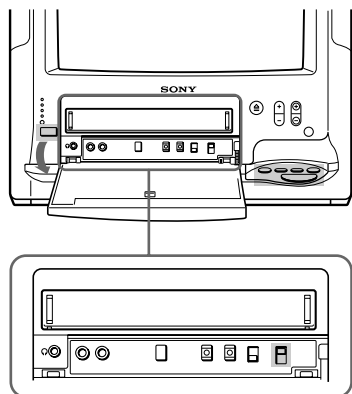
The cassette is provided with a safety tab to protect against accidentally erasing a previous recording. Break off the safety tab with a screw driver or a similar tool.

If the safety tab is removed, the cassette is ejected when you try to record on it.

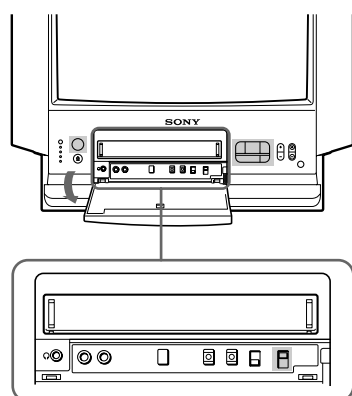
To record on a cassette with the safety tab broken off, simply cover the tab hole with adhesive tape.



KV-V1430K/P



KV-V2110K/P



Playing a Tape

- 1 Press , **PROGR +/-** or number buttons on the Remote Commander, or **PROGR +/-** on the video TV when the lamp is lit in red.
- 2 Insert a cassette.
If you insert a cassette with its safety tab removed, playback starts automatically.
- 3 Set the **COLOUR SYSTEM** switch to conform to the colour system of the tape to be played. Normally, set it to **AUTO**. If streaks appear when playing a tape, switch it to select the colour system.
PAL: to play a tape recorded in PAL or MESECAM colour system
NTSC: to play a tape recorded in NTSC colour system
- 4 Press **PLAY** .
Playback starts. On-screen information is displayed for some seconds.

To stop playback

Press **STOP** .

The video TV goes back to the normal TV picture.

To stop playback for a moment

Press **PAUSE** . The picture pauses.

Press **PAUSE** again or press **PLAY** to resume playback.

If you leave your video TV in pause mode, normal playback resumes after about 5 minutes to protect the quality of video tapes.

To fast forward the tape

Press **STOP** , then press **FF** .

To rewind the tape

Press **STOP** , then press **REW** .

To search a tape at high speed

During playback, press and hold **REW** (rewind) or **FF** (fast forward).

A high-speed picture appears on the TV screen.

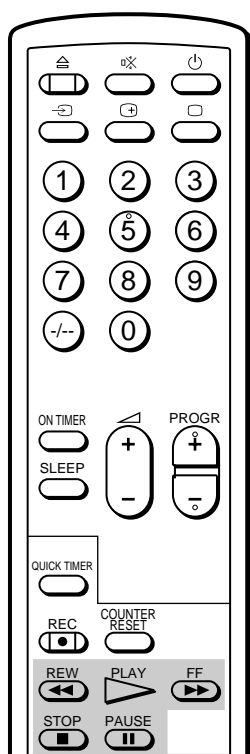
To resume normal playback, release the button.

To view the picture in fast forward or rewind mode

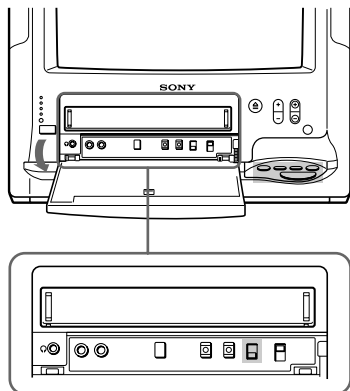
Press and hold **FF** during fast forward or **REW** during rewind.

While you hold the button, you can view the picture.

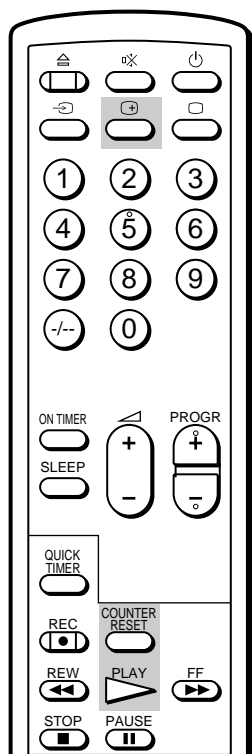
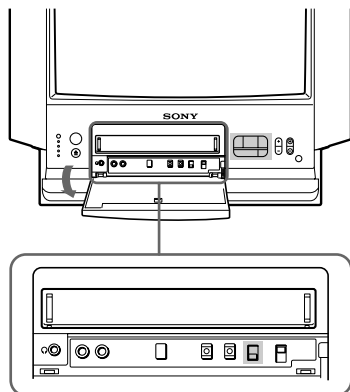
When you release the button, fast forward or rewind mode is resumed.



KV-V1430K/P



KV-V2110K/P



Note

The tape operation mode will be displayed whenever you change the mode (even when the \oplus is turned off.)

Playing a Tape Repeatedly (Auto Repeat)

You can play the recorded portion of the tape repeatedly. Set the AUTO REPEAT switch on the video TV to ON, and press PLAY \triangleright .

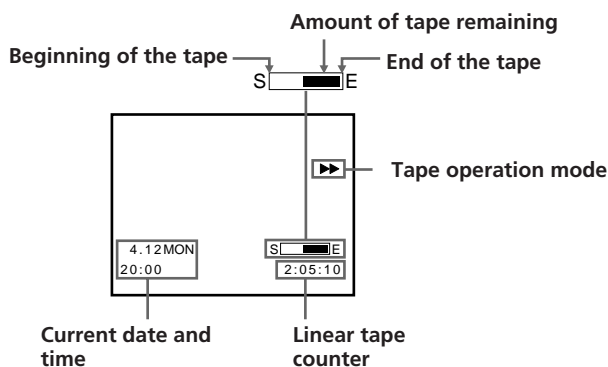
Playback starts. When the tape reaches the end, the video TV rewinds the tape to the beginning, then plays it.

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Displaying the on-Screen Indications

Press \oplus to display the following on-screen information. To show only the amount of tape remaining and linear tape counter on the screen, press \oplus again.

To make the indications disappear, press \oplus until no indications appear.

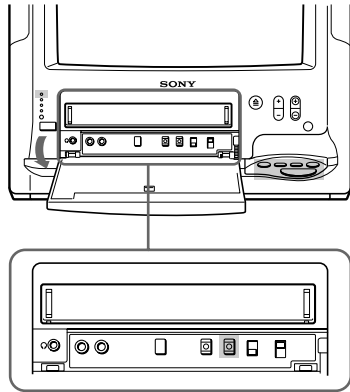


Resetting the Tape Counter




The tape counter helps you to locate a certain scene after playback. Press COUNTER RESET on the Remote Commander to set the counter to "0:00:00" before playing the tape. The tape counter is automatically reset to "0:00:00" whenever a cassette is inserted. The video TV keeps counting the length of the tape being played. Note, however, that the tape counter does not count the portions without video signals recorded.

Recording TV Programmes

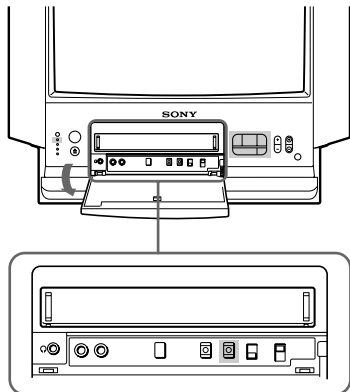
KV-V1430K/P



Recording TV Programmes

- 1 Press , PROGR +/- or number buttons on the Remote Commander, or PROGR +/- on the video TV when the  lamp is lit in red.
 - 2 Insert a cassette with a safety tab.
 - 3 Select the programme position with PROGR+/- . You can also use number buttons on the Remote Commander. For double-digit numbers (e.g.14), first press -/--, then press 1 and 4.
 - 4 Press REC .
- The REC lamp on the front of the video TV lights up and recording begins.

KV-V2110K/P




To stop recording

Press STOP .



When the tape reaches the end, the video TV rewinds the tape automatically to the beginning, then stops. This function does not work when the power of the video TV is off.

To pause recording

Press PAUSE .

To resume recording, press PAUSE  again.

You can cut out an unwanted scene during recording with this button.

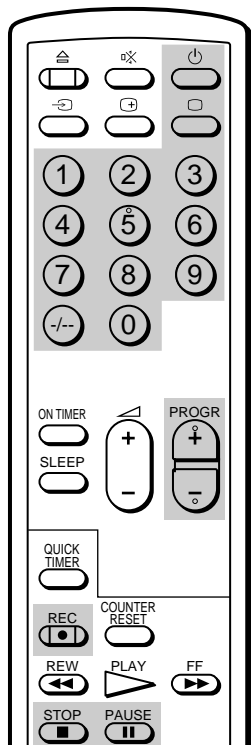
- 1 Press PAUSE  when an unwanted scene appears on the screen.
Recording pauses.
- 2 Press PAUSE  again to release the pause mode at the desired scene.
Recording resumes from the point set in step 1.

When the recording pause mode lasts for about 5 minutes, the video TV stops recording to protect the quality of video tapes.

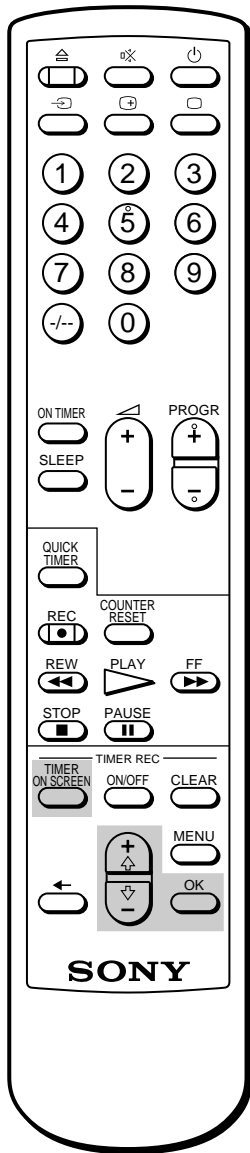
Recording with the TV Off

Press .

The TV screen is turned off and the  lamp lights up.
The video TV continues recording.




Recording TV Programmes Using the Timer



The Timer Recording function allows you to preset your video TV to record up to six programmes within a one-month period.

Before you begin

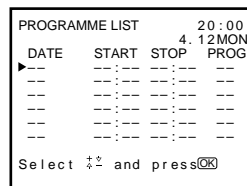
- Press , PROGR +/- or number buttons on the Remote Commander, or PROGR +/- on the video TV to switch on the video TV.
- Make sure that the time and date clock are set. If not, the message "Please set the clock" is displayed on the screen. Refer to "Setting the clock" on page 12.
- Make sure that the loaded cassette has its safety tab. If a cassette without safety tab is loaded, the message "Tape with safety tab is required for recording" is displayed.


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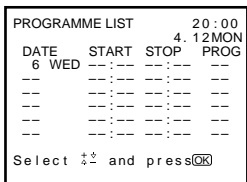
Setting the Timer

Example: Here is how to record a programme broadcast on programme position 26 from 20:15 to 21:55 on Wednesday, 6th December 1995.

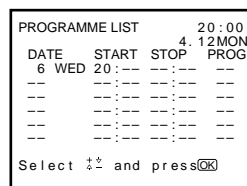
- 1 Press **TIMER ON SCREEN**.
The **PROGRAMME LIST** appears.

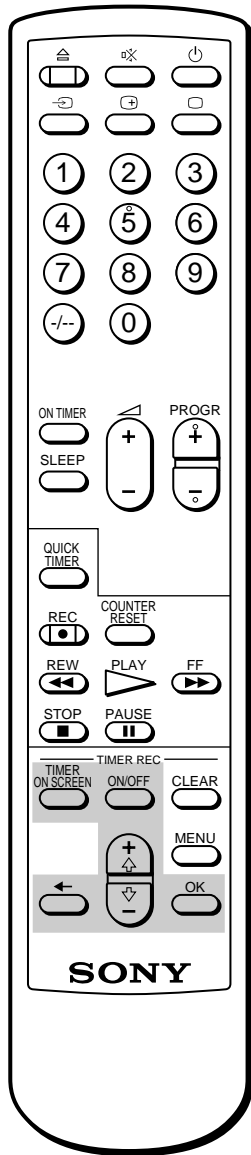


- 2 Press **OK**.
Today's date coloured red appears.
- 3 Press **+ ** until "6 WED" appears.
For daily and weekly recording see "Daily/weekly recording" on page 23.



- 4 Press **OK**, then set the hour of the recording start time to "20" with **+ ** or **- **.





If you have made a mistake during timer setting

Press **←** to go back to the previous position and correct the setting.

If you try to enter the recording start time prior to the current time

All the items of the setting will be erased.

If you try to do incorrect operation

The video TV displays a message on the screen to interrupt your setting.

- 5 Press OK, then set the minute of the recording start time to "15" with + ⇧ or - ⇩.

PROGRAMME LIST				20:00
DATE	START	STOP	PROG	4. 12MON
6 WED	20:15	--:--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Select ⇧⇩ and press **OK**

- 6 Press OK, then set the hour of the recording stop time to "21" with + ⇧ or - ⇩.

PROGRAMME LIST				20:00
DATE	START	STOP	PROG	4. 12MON
6 WED	20:15	21:--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Select ⇧⇩ and press **OK**

- 7 Press OK, then set the minute of the recording stop time to "55" with + ⇧ or - ⇩.

PROGRAMME LIST				20:00
DATE	START	STOP	PROG	4. 12MON
6 WED	20:15	21:55	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Select ⇧⇩ and press **OK**

- 8 Press OK, then set the programme position to "26" with + ⇧ or - ⇩.

PROGRAMME LIST				20:00
DATE	START	STOP	PROG	4. 12MON
6 WED	20:15	21:55	26	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Select ⇧⇩ and press **OK**

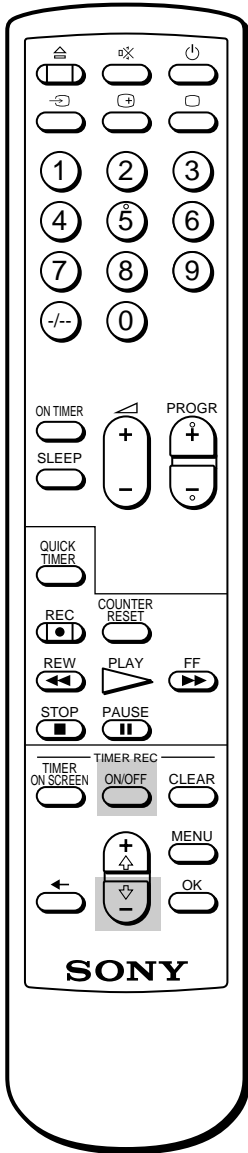
- 9 Press OK.
The cursor (▶) appears at the left margin.
- 10 When you want to set other programmes, press - ⇩ to move down the cursor to the next line, then repeat steps 2 to 9.

- 11 Press **TIMER REC ON/OFF**.
The **TIMER REC** lamp on the front of the video TV lights up and the video TV enters timer recording standby mode.

Press **TIMER ON SCREEN** to erase the **PROGRAMME LIST**.

Turn off the video TV if you do not want to watch the TV.

The video TV turns on automatically and starts recording at the preset start time, and goes off at the preset stop time.



Daily/weekly recording

You can preset your video TV to record the same programme every day of the week (daily recording) or the same programme on the same day every week (weekly recording). Press \rightarrow in step 3 until the desired setting appears in the "DATE" position. With each press, the setting changes as follows:

4 (today) \rightarrow MON-SUN \rightarrow MON-SAT \rightarrow MON-FRI \rightarrow EVERY SAT \rightarrow EVERY FRI \rightarrow EVERY THU \rightarrow EVERY WED \rightarrow EVERY TUE \rightarrow EVERY MON \rightarrow EVERY SUN \rightarrow 3 (next month) \rightarrow 2.....

To stop timer recording

Press TIMER REC ON/OFF.

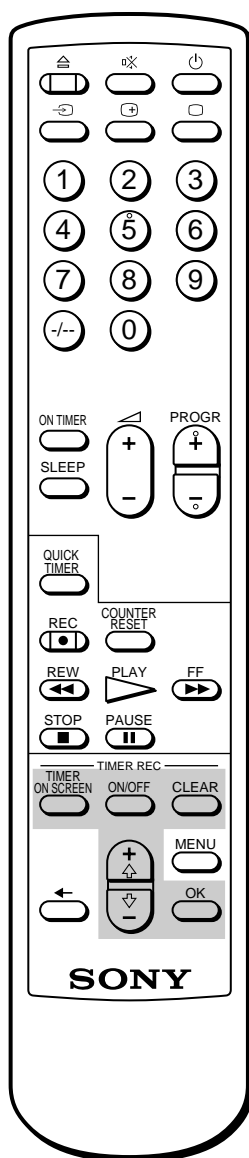
The TIMER REC lamp turns off.

Using the Video TV before Timer Recording Starts

You can watch a TV programme, check the timer settings and reset the counter in timer recording standby mode. However, press TIMER REC ON/OFF to turn off the TIMER REC lamp on the front of the video TV to do the following operations:

- ejecting the cassette
- using the tape operation buttons
- changing or cancelling the timer settings

Remember to press TIMER REC ON/OFF again to make the TIMER REC lamp light after the above operations.



Checking the Timer Settings

You can display the list of the timer settings which you preset.

Press **TIMER ON SCREEN**.
The **PROGRAMME LIST** appears.

DATE	START	STOP	PROG
PROGRAMME LIST		20:00	4. 12 MON
▶ 6 WED	20:15	21:55	26
7 THU	8:30	10:15	50
MON-SAT	23:00	0:00	1
EVERYSUN	9:55	12:30	12
---	---	---	---
---	---	---	---

Select $\uparrow\downarrow$ and press **OK**

Press **TIMER ON SCREEN** again to erase the **PROGRAMME LIST**.

Changing or Canceling the Timer Settings

- 1 Press **TIMER REC ON/OFF** to turn off the **TIMER REC** lamp on the front of the video TV.
- 2 Press **TIMER ON SCREEN** to display the **PROGRAMME LIST**.
- 3 Select the setting you want to change or cancel with $\uparrow\downarrow$ or $\leftarrow\rightarrow$.

DATE	START	STOP	PROG
PROGRAMME LIST		20:00	4. 12 MON
▶ 6 WED	20:15	21:55	26
7 THU	8:30	10:15	50
MON-SAT	23:00	0:00	1
EVERYSUN	9:55	12:30	12
---	---	---	---
---	---	---	---

Select $\uparrow\downarrow$ and press **OK**

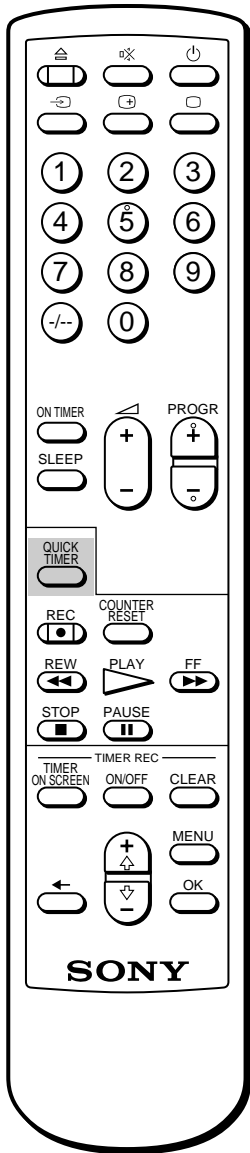
4 To change the setting

Using $\uparrow\downarrow$ or $\leftarrow\rightarrow$ and **OK**, re-enter all the items.
Refer to "Setting the timer" steps 2 to 9 on pages 21 and 22.

To cancel the setting

Press **TIMER REC CLEAR**.

- 5 Press **TIMER ON SCREEN** to go back to the original screen.
- 6 If there are other timer settings on the list, press **TIMER REC ON/OFF** to set the video TV to timer recording standby mode.



Recording Using the Quick-Timer

You can preset your video TV to start timer recording immediately and to automatically stop recording after a specific time period.

If you have not set the clock, quick-timer recording cannot be done.

If you are recording

- 1 Press QUICK TIMER on the Remote Commander.
The "QUICK TIMER 0:00" appears on the screen.
- 2 Press QUICK TIMER repeatedly to select the recording time period. With each press, the time period changes as follows:

0:00 → 0:30 → 1:00 → → 3:30 → 4:00

Even if you switch off the video TV, it continues recording. After the selected time period has elapsed, recording stops automatically.

If you are not recording

- 1 Press \square , PROG +/- or number buttons on the Remote Commander, or PROG +/- on the video TV to switch it on.
- 2 Insert a cassette with its safety tab.
- 3 Select the programme position which you want to record.
- 4 Press QUICK TIMER on the Remote Commander.
The "QUICK TIMER 0:00" appears on the screen.
- 5 Press QUICK TIMER repeatedly to select the recording time period. With each press the time period changes as follows:

0:00 → 0:30 → 1:00 → → 3:30 → 4:00

The time period turns yellow and recording starts.

Even if you switch off the video TV, it continues recording.

When the preset time period has elapsed, the video TV stops recording.

To change the recording time period after quick-timer recording begins

Press QUICK TIMER until the desired time period appears.

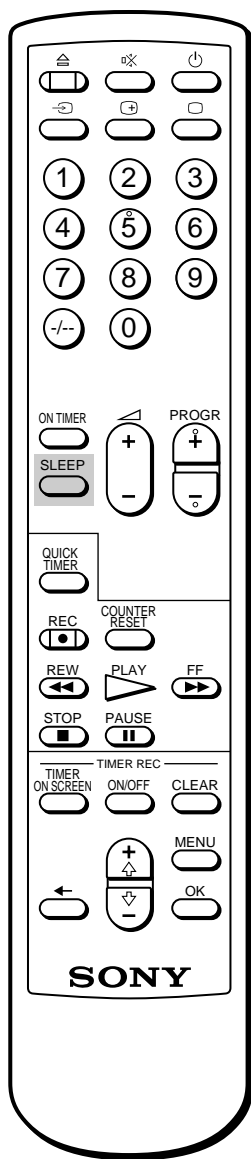
To display the remaining time period during quick-timer recording

Press \square . The recording time period decreases minute by minute.

To stop quick-timer recording

Press TIMER REC ON/OFF.

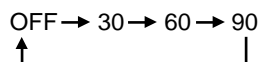
Switching off Automatically — Sleep Timer



You can automatically switch the video TV into standby mode after a selected time period.

Press SLEEP.

With each press, the time period (in minutes) changes as follows:

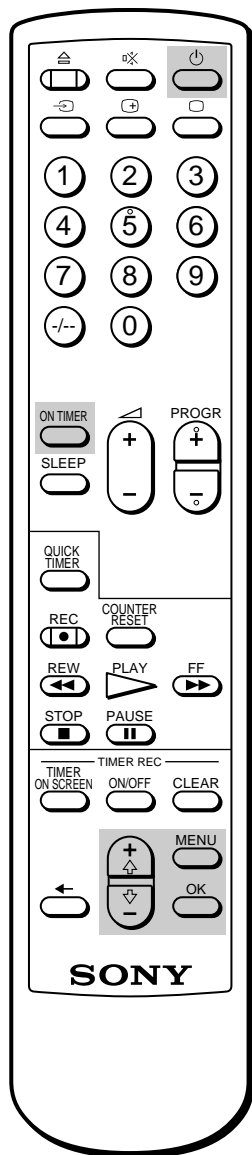


One minute before the TV switches into standby mode, a message "Good night" is displayed on the screen.

To cancel the timer

Press SLEEP to select "OFF".

Switching on at Your Desired Time — On Timer

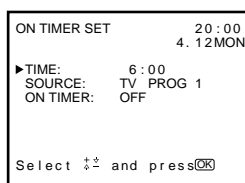


To erase the message

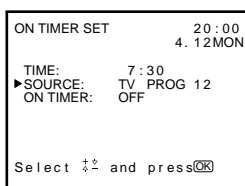
Press any button on the video TV or Remote Commander.

You can preset your video TV to automatically switch on at a desired time. You can select the TV programme or video playback to be switched on.

- 1 Press MENU to display the main menu.
- 2 Move the cursor (▶) to "ON TIMER SET" with + ⬆ or - ⬇ and press OK. The ON TIMER SET menu appears.



- 3 Press OK. The timer setting hour section turns red.
- 4 Set the hour with + ⬆ or - ⬇ and press OK. The minute section turns red.
- 5 Set the minutes (by one minute) with + ⬆ or - ⬇ and press OK. The cursor appears beside "TIME."
- 6 Move the cursor (▶) to "SOURCE" with + ⬆ or - ⬇ and press OK.
- 7 Select TV or VCR (video playback) to be switched on with + ⬆ or - ⬇ and press OK. When you select TV, select the programme position with + ⬆ or - ⬇ and press OK.



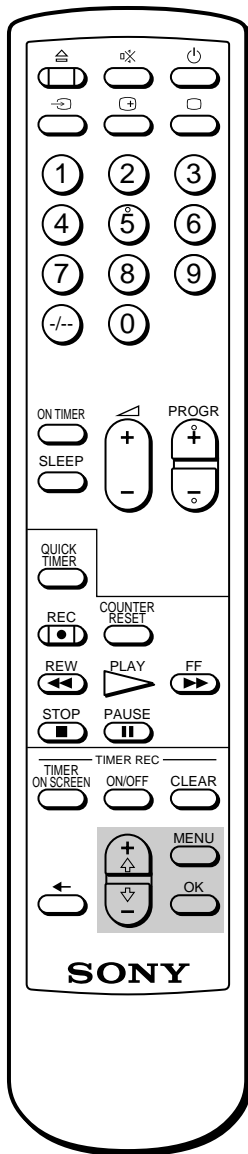
- 8 Move the cursor (▶) to "ON TIMER" with + ⬆ or - ⬇ and press OK, then select ON with + ⬆ or - ⬇ and press OK.
- 9 Press MENU to go back to the original screen.
- 10 Press ON TIMER. The ON TIMER lamp on the front of the video TV lights up. If you are not using the video TV, press ⏻ to set the video TV in standby mode.

At the preset time, the video TV automatically switches on and a message "Good morning" is displayed for five minutes.

If you do not press any button for 2 hours, the video TV automatically shuts off.

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Enhancing Video Picture Quality



To go back to automatic tracking

Select AUTO in the TRACKING CONTROL menu with + \uparrow or - \downarrow and press OK.

Adjusting the Tracking

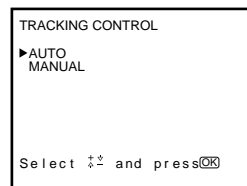
Adjusting the Tracking Automatically

The tracking condition is automatically adjusted on this video TV. The AUTO TRACKING indicator will appear while the video TV is searching for best tracking condition.

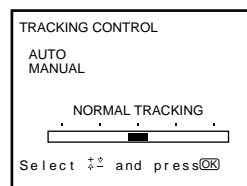
Adjusting the Tracking Manually

If streaks or snow noise appear on the video playback picture, adjust the tracking condition manually.

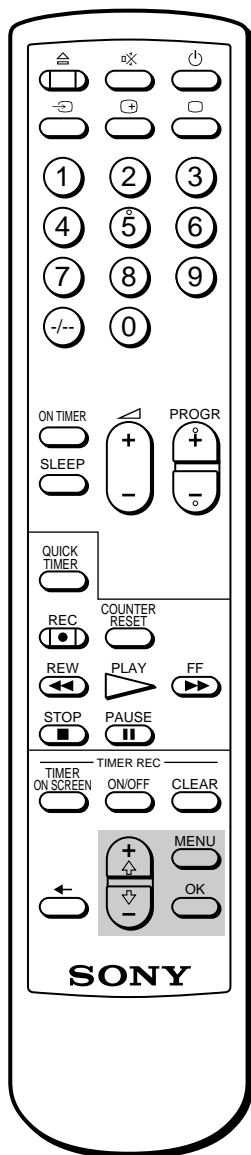
- 1 Press MENU to display the main menu.
- 2 Move the cursor (\blacktriangleright) to "TRACKING CONTROL" with + \uparrow or - \downarrow and press OK.
The TRACKING CONTROL menu appears.



- 3 Select MANUAL with + \uparrow or - \downarrow and press OK.
The tracking meter appears.



- 4 Using + \uparrow or - \downarrow , adjust the tracking to get the best picture.
- 5 Press OK.
The main menu reappears.
- 6 Press MENU to go back to the original screen.



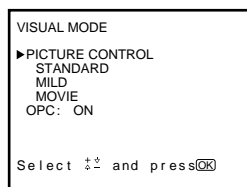
Adjusting with the Optimum Picture Control (OPC)

This function allows you to improve playback and recording quality by adjusting the system parameter automatically according to the condition of the video tape.

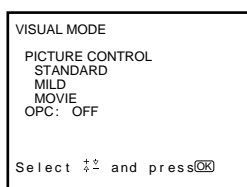
This function is set to ON at the factory. To maintain better picture quality, it is advisable to leave the function on so that the OPC lamp remains lit. The OPC function works on all types of tapes, even on rental tapes.

To change the setting, use the menu display.

- 1 Press MENU to display the main menu.
- 2 Move the cursor (▶) to VISUAL MODE with + ⬆ or - ⬇ and press OK. The VISUAL MODE menu appears.



- 3 Move the cursor (▶) to OPC with + ⬆ or - ⬇ and press OK.
- 4 Select ON or OFF with + ⬆ or - ⬇ and press OK.



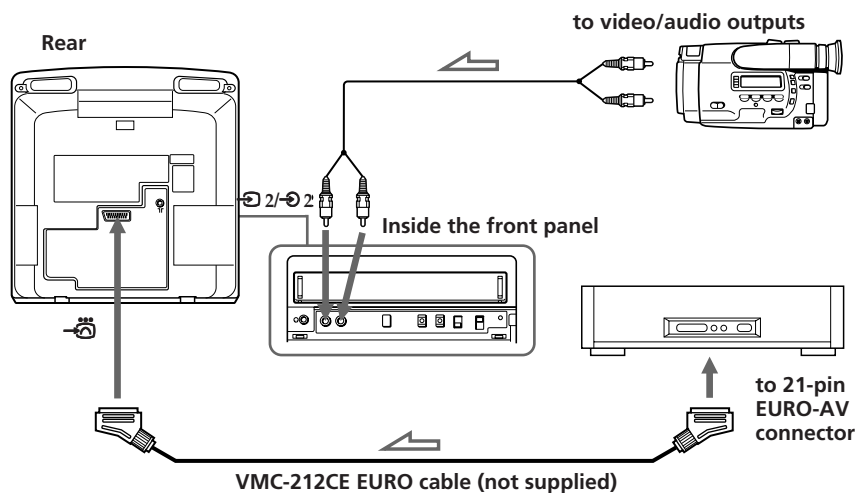
- 5 Press MENU to erase the main menu.

About the Auto Head Cleaner

The auto head cleaner built into this set automatically cleans the video heads when a cassette is loaded or unloaded. If the effect of head cleaning is not sufficient even after a cassette has been loaded/unloaded several times, clean the heads using the Sony V-25CL video head cleaning cassette. For details on head cleaning see page 33.

Connecting Optional Equipment

Watching the Picture Input from Optional Equipment



To watch the video input signal

Press \rightarrow repeatedly until the desired input indicator appears on the screen.

- \rightarrow 1 for audio/video input or RGB input through the \rightarrow connector
- \rightarrow 2 for audio/video input through the \rightarrow 2/ \rightarrow 2 jacks on the front

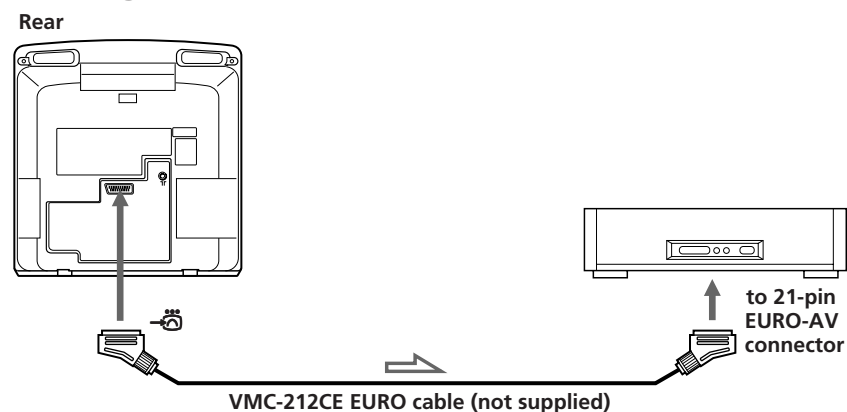
Editing with Another VCR

Using an additional VCR, you can edit a tape.







Editing from another VCR

Connections are the same as in "Watching the picture input from optional equipment."

Editing onto another VCR



Troubleshooting

Function	Problems	Possible causes and remedies
TV reception	No picture (screen is dark), no sound	<ul style="list-style-type: none"> The mains lead is disconnected. ➔ Connect the mains lead. The video TV is switched off. ➔ Press , PROGR +/- or programme number on the Remote Commander, or PROGR +/- on the video TV.
	Good picture but no sound	<ul style="list-style-type: none"> The headphones are connected to  jack. ➔ Disconnect the headphones. The  is displayed on the screen. ➔ Press . Press  +/-.
	No colour or poor colour (screen is dark) for colour programmes, but good sound.	<ul style="list-style-type: none"> Adjust "CONTRAST," "COLOUR," and "BRIGHTNESS" in the PICTURE CONTROL menu. (page 15)
	No picture, no sound from video input source	<ul style="list-style-type: none"> The connecting cord between the video TV and the input source is disconnected. ➔ Connect it firmly. Input is not selected correctly. ➔ Press  until the desired input indicator appears. (page 30)
Clock and timer	The clock has stopped and "--/--" is displayed.	<ul style="list-style-type: none"> The power has been interrupted or the mains lead is disconnected for more than one day. ➔ Re-set the clock and timer settings if necessary. (pages 12, 21)
	The clock loses or gains.	<ul style="list-style-type: none"> The power has been interrupted or the mains lead is disconnected for less than one day. ➔ Re-set the clock and timer settings if necessary. (pages 12, 21)
Playback	Power is on, but the tape does not run.	<ul style="list-style-type: none"> The safety device has been activated. ➔ Switch off, disconnect the mains lead, and leave the set for about one minute.
	Poor playback picture	<ul style="list-style-type: none"> The COLOUR SYSTEM switch is set to incorrect position. ➔ Set COLOUR SYSTEM to the position corresponding to the colour system with which the tape is recorded. (page 18) Adjust the tracking. (page 28) The video heads are dirty. ➔ Clean the heads using the Sony V-25CL video head cleaning tape (page 33). If the cleaning tape is not available in your area, have the heads cleaned at your nearest Sony service facility. (Do not use a commercially available wet-type cleaning tape, as it may damage the video heads.) The tape is worn out. ➔ Use a new tape.
	The sound drops out.	<ul style="list-style-type: none"> The tape is defective. ➔ Use a new tape.

Function	Problems	Possible causes and remedies
Recording	The cassette is ejected when you press REC ●.	<ul style="list-style-type: none"> • The safety tab of the cassette has been removed. <ul style="list-style-type: none"> ➔ Cover the tab hole with adhesive tape, or use another cassette with a safety tab. (page 17)
	Recording cannot be done.	<ul style="list-style-type: none"> • No cassette has been inserted. <ul style="list-style-type: none"> ➔ Insert a cassette with the safety tab. • The tape is at its end. <ul style="list-style-type: none"> ➔ Rewind the tape.
Timer recording	Timer settings cannot be made.	<ul style="list-style-type: none"> • The clock has not been set. <ul style="list-style-type: none"> ➔ Set the current time and date. (page 12) • You have made a mistake when setting the timer. <ul style="list-style-type: none"> ➔ Check the setting steps. (pages 21 to 23)
	The cassette is ejected when you press TIMER REC ON/OFF.	<ul style="list-style-type: none"> • The safety tab of the cassette has been removed. <ul style="list-style-type: none"> ➔ Cover the tab hole with adhesive tape, or use another cassette with a safety tab.
	The TIMER REC lamp does not light up even though you press TIMER REC ON/OFF.	<ul style="list-style-type: none"> • No cassette has been inserted. <ul style="list-style-type: none"> ➔ Insert a cassette with its safety tab. • The tape is at its end. <ul style="list-style-type: none"> ➔ Rewind the tape. • No setting is made for timer recording. <ul style="list-style-type: none"> ➔ Set the programme for timer recording. (pages 21 to 23)
	Timer recording was not made.	<ul style="list-style-type: none"> • You did not press TIMER REC ON/OFF. • There has been a power interruption lasting more than one day.
Others	A cassette cannot be inserted.	<ul style="list-style-type: none"> • Another cassette is already inserted. <ul style="list-style-type: none"> ➔ Press ▲ to eject the cassette.
	The Remote Commander does not work.	<ul style="list-style-type: none"> • The batteries are low. <ul style="list-style-type: none"> ➔ Replace the batteries. (page 4) • The batteries are installed incorrectly. <ul style="list-style-type: none"> ➔ Install the batteries with correct polarities. (page 4)

Taking Care of Your Video TV

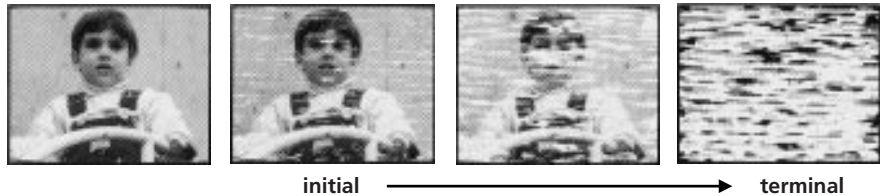
Video Head Cleaning

When playback pictures are noisy and hardly visible, or when no picture appears, the video heads may be contaminated. In such a case, clean the video heads using the V-25CL video head cleaning tape (not supplied), or ask Sony service personnel to clean the video heads, with this service there would be a standard charge.

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Symptoms caused by contaminated video heads

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



Worn Video Heads

If your video TV displays a poor picture after you clean the video heads, you may need to replace them. Consult your dealer or the Sony Service Center nearest you.

Check the Video Heads after 1,000 Hours of Use

A video TV is a high precision machine. It must record on or play from magnetic tapes on which the image signals from the colour TV or the video camcorder are recorded.

The video heads or mechanical parts for transporting the tape are contaminated or worn after extended use. You should have your video TV checked after each 1,000 hours of use.

Note

Do not use a commercially available wet-type cleaning tape, as it may damage the video heads.

Specifications

TV Section

Television system	B/G, D/K
Colour system	PAL/SECAM
Channel coverage	See "Receivable channels" at the bottom.
Picture tube	Trinitron KV-V1430K/P: Approx. 37 cm (14 ⁵ / ₈ inches) (Approx. 34 cm picture measured diagonally) KV-V2110K/P: Approx. 54.5 cm (21 inches) (Approx. 51 cm picture measured diagonally)
Aerial in	75-ohm aerial socket for VHF/UHF

Video Section

Format	VHS standard
Video recording system	Rotary 2-head helical scanning system
Audio recording system	Monaural
Video signal	PAL/MESECAM
Tape speed	PAL/MESECAM: 23.39 mm/sec. NTSC (playback only): 33.35 mm/sec.
Maximum recording time	240 minutes with E-240

Inputs and Outputs

Inputs	LINE IN VIDEO: phono jack (1) 1 Vp-p, 75 ohms, unbalanced, sync negative LINE IN AUDIO: phono jack (1) Input level: 500 mVrms (100% modulation) EURO-AV: 21-pin
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Output	EURO-AV: 21-pin
Headphones jack	Monaural minijack

General

Clock	Quartz locked
Power back up	Approx. 1 day or less
Power requirements	230 V AC, 50 Hz
Power consumption	KV-V1430K/P: 60 W KV-V2110K/P: 81 W
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions	KV-V1430K/P: Approx. 391 × 409 × 443 mm (w/h/d) (15 ¹ / ₂ × 16 ¹ / ₈ × 17 ¹ / ₂ inches) KV-V2110K/P: Approx. 540 × 518 × 470 mm (w/h/d) (21 ³ / ₈ × 20 ¹ / ₂ × 18 ⁵ / ₈ inches)
Mass	KV-V1430K/P: Approx. 15 kg (33 lb 1 oz) KV-V2110K/P: Approx. 25 kg (55 lb 2 oz)

Accessories supplied

- Remote Commander (1)
- R6 (size AA) batteries (2)
- KV-V1430K/P only:
Monopole aerial (1)

Design and specifications are subject to change without notice.

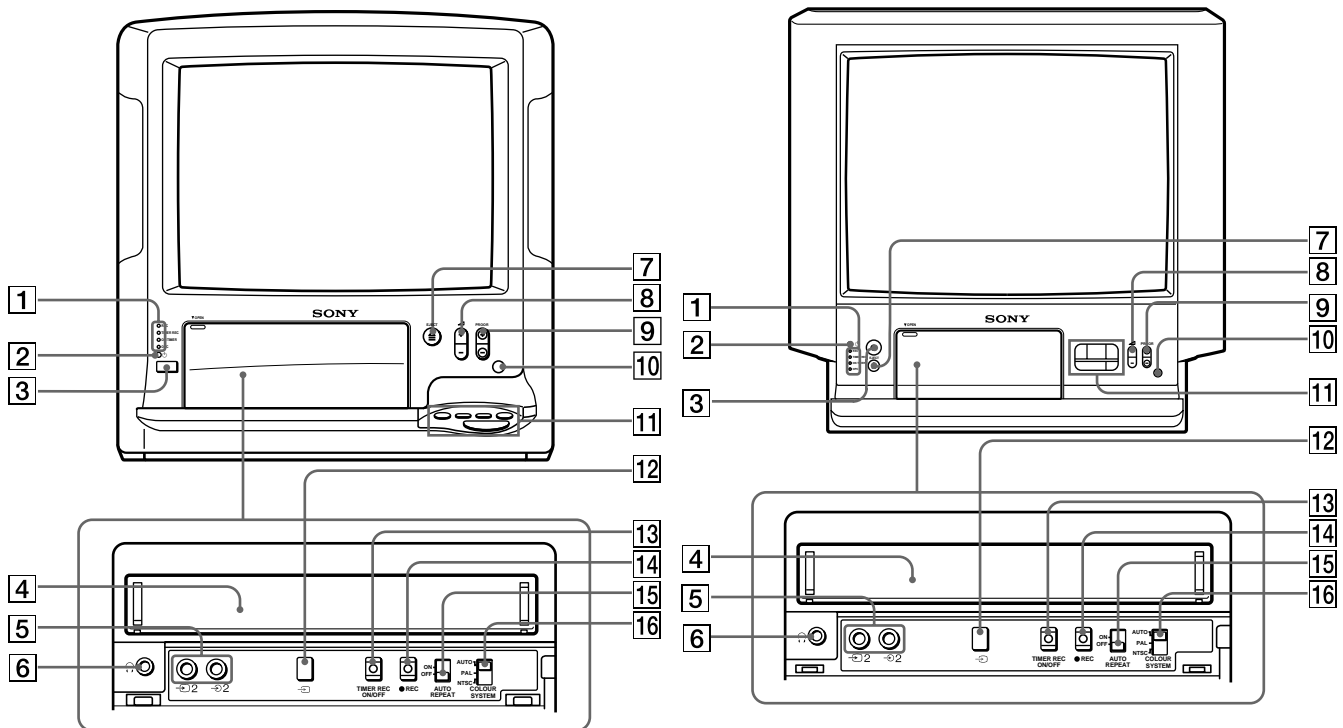
Receivable Channels

System	Area	Channel coverage
B/G	Western European countries	E-2 to E-12
		E-21 to E-69
	CATV	S-01 to S-05 S-1 to S-41
D/K	Eastern European countries	R-21 to R-60
		R-1 to R-12
	CATV	S-01 to S-05 S-1 to S-41

Index to Parts and Controls

Video TV Set—Front

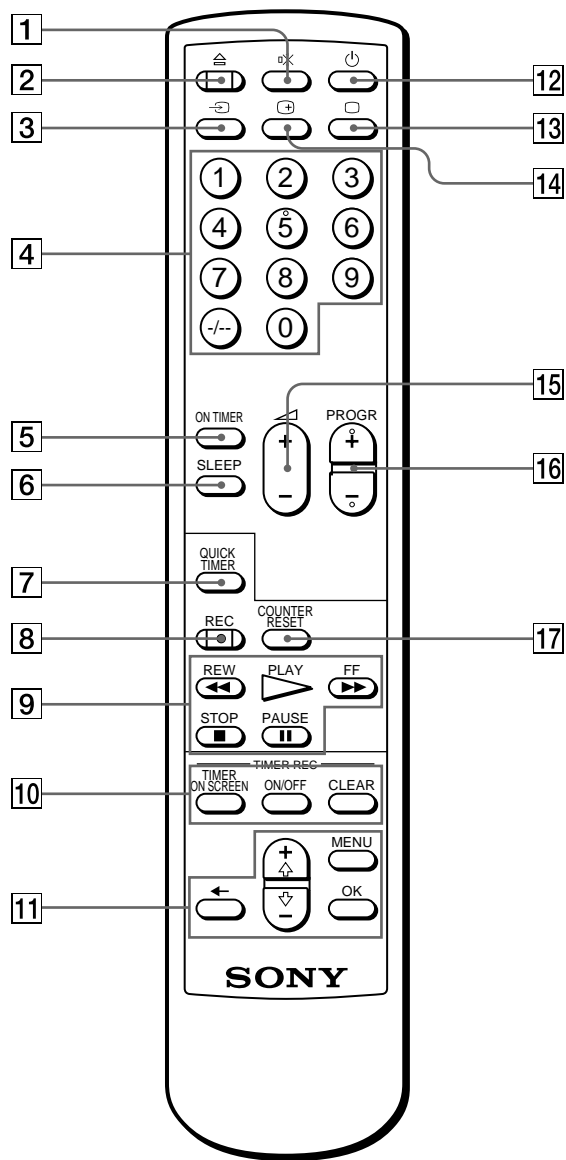
This section briefly describes the buttons and controls on the video TV set and on the Remote Commander. For more information, refer to the pages next to each description.



- 1** Lamps
REC(recording) (page 20)
TIMER REC(recording) (page 22)
ON TIMER (page 27)
OPC (page 29)
- 2** ⏻ (standby) lamp (page 13)
- 3** ⏻ (standby) button (page 13)
- 4** Cassette compartment (page 17)
- 5** Ⓜ/Ⓜ (video/audio input) jacks (page 30)
- 6** 🎧 (headphones) jack (page 16)
- 7** EJECT ▲ button (page 17)
- 8** 🔊 (volume) +/- buttons (page 13)
- 9** PROGR(programme) +/- buttons (page 13)
- 10** Remote sensor
- 11** Tape transport buttons (page 18)
- 12** ↻ (input select) button (pages 16, 30)
- 13** TIMER REC ON/OFF button (pages 22, 24)
- 14** REC(recording) ● button (page 20)
- 15** AUTO REPEAT ON/OFF switch (page 19)
- 16** COLOUR SYSTEM switch (page 18)

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Remote Commander



- 1 ㊦ (muting) button (page 14)
- 2 ▲ (eject)button (page 17)
- 3 ⇄ (input select) button (pages 16, 30)
- 4 Number button (page 6, 13)
- 5 ON TIMER button (page 27)
- 6 SLEEP button (page 26)
- 7 QUICK TIMER button (page 25)
- 8 REC (recording) ● button (page 20)
- 9 Tape transport buttons (page 18)
▷ PLAY, ■ STOP, || PAUSE, ◀◀ REW (rewind), ▶▶ FF (fast forward)
- 10 TIMER REC buttons
TIMER ON SCREEN (pages 21, 24)
ON/OFF (pages 22, 24)
CLEAR (page 24)
- 11 Menu operation buttons (pages 6, 7)
MENU
+ ⬆ / - ⬇
←
OK
- 12 ⏻ (standby) button (page 13)
- 13 □ (TV) button (pages 6, 13)
- 14 ⊕ (on-screen display) button (pages 14, 19)
- 15 ∟ (volume) +/- buttons (page 13)
- 16 PROGR (programme) +/- buttons (page 13)
- 17 COUNTER RESET button (page 19)

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