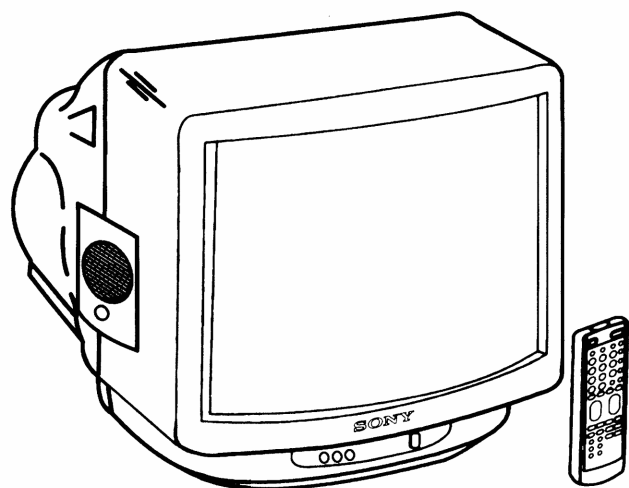


Black Trinitron[®] Colour TV

KV-M1401U
KV-M1400U
KV-M1400L




Operating Instructions

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Warning

The flexible mains lead is supplied connected to a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS1362, ie carries the  mark.

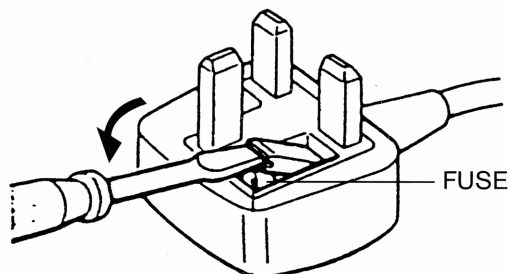
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED.

THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET.

When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.

How to replace the fuse

Open the fuse compartment with the blade screwdriver, and replace the fuse.



• IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this appliance may not correspond with colour markings identifying the terminals in your plug, proceed as follows:

The wire that is coloured Blue must be connected to the terminal which is marked by the letter N or coloured Black.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.

- **DO NOT** connect either the Blue or the Brown wires of the mains lead to the Earth terminal (marked with the letter E, or by the Earth symbol \perp) of a three pin plug.
- 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.

Introduction and Preparation

Thank you for purchasing this TV from Sony. You now own a high-quality TV.

Special Features of the TV

High quality picture

- This Black Trinitron picture tube provides a picture with high resolution and high contrast.

Other features

- Colour system: PAL.
- 60 programme positions for presetting.
- Remote controlled TV.
- 21-pin connector for the direct connection of video equipment or a computer.
- Teletext (only for KV-M1401U).
- Two available viewing positions.

Safety Information

All TV's operate on extremely high voltages. To prevent fire or electric shock, please follow the safety procedures below. For your protection, refer all servicing to qualified personnel only.

For general safety:

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

For safe installation:

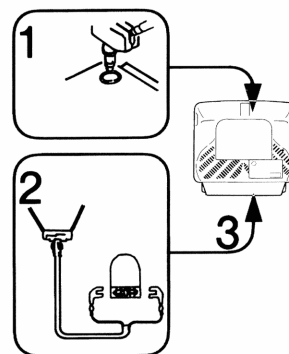
- Do not block the ventilation openings.
- Do not install the TV in hot, humid, or excessively dusty places.
- Do not install the TV in a place where it may be exposed to mechanical vibrations.

For safe operation:

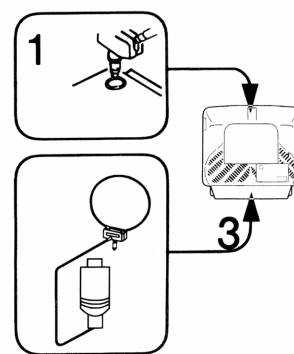
- Do not operate the TV on anything but 220 - 240V AC, 50 Hz.
- Do not operate the TV if any liquid or solid object falls on it - have it checked immediately.
- Unplug the set if you are not going to use it for several days.
- Do not pull on the power cord to disconnect the TV. Pull it out by the plug.

How to connect the aerial to the TV

For KV-M1400L



KV-M1401U/KV-M1400U



- 1** Insert the supplied aerial into the opening on top of the set.
- 2** Loosen the screws of the aerial clips, insert the aerial clips and tighten the screws.
- 3** Connect the aerial to the T socket on the rear of the set. Alternatively an external aerial may be connected here if preferred. This socket receives the standard 75-ohm aerial plug.

Aerial Adjustment

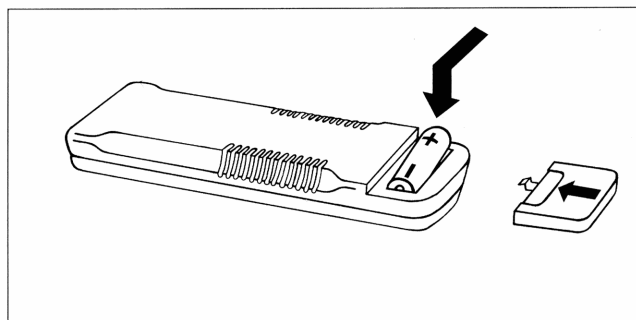
Adjust the direction of the aerial until you receive the best possible picture. If the picture quality is not satisfactory we advise you to use an outdoor aerial.

How to connect the TV to the mains power

Having connected the aerial, plug in the TV. Your set is now ready for operation.

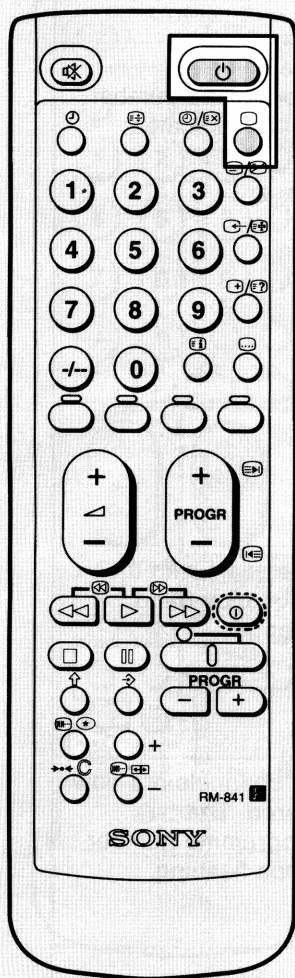
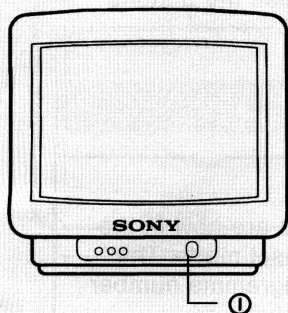
How to insert the battery into the Remote Commander

Before using the Remote Commander, you have to insert the supplied battery into the Remote Commander. Insert the R6 battery into the battery compartment checking the correct polarity.

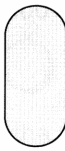



Switching on/off



After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V AC, 50Hz).

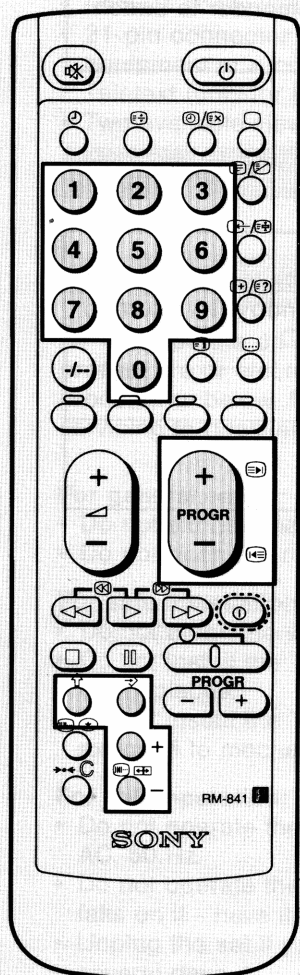
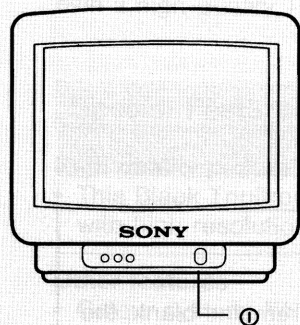


How to turn the TV on

Action		Result
Press ① on the TV.	① 	The TV will turn on. Note: If the screen remains blank, the TV may be in the standby mode. Press  on the commander to switch it on.

How to turn the TV off

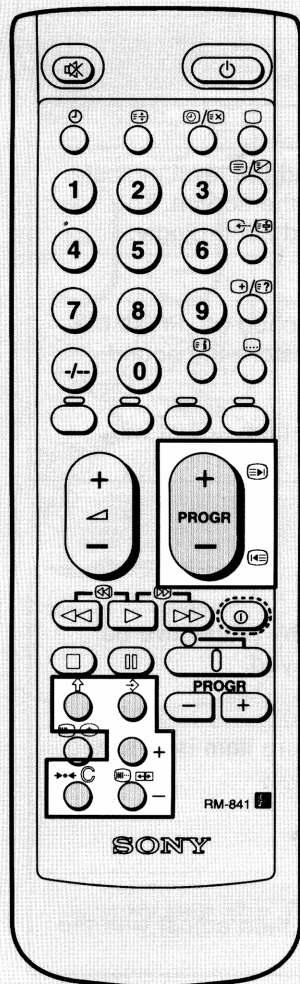
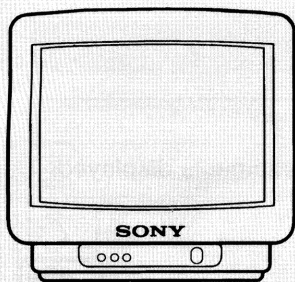
A Temporarily		
Press  to enter standby mode.		The TV will be in standby. To return to the TV mode press  .
B Completely		
Press ① on the TV.		The TV will turn off.



After having installed the TV, you now need to preset TV channels. Up to 60 programme positions are at your disposal. For channel presetting use the buttons with the red symbols on the Remote Commander.


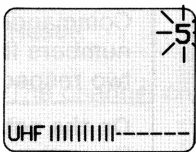

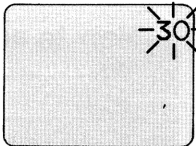
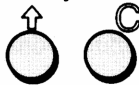

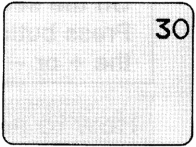
Automatic presetting of channels

Action	Result
1 Press both the SHIFT button and the PRESET button simultaneously. 	 You are now in the preset mode. The programme number flashes.
2 Press either the number buttons or PROGR +/- to select the programme number on which you want to preset the channel. 	 The selected programme number will be indicated.
3 Press both the SHIFT button and the + or - button repeatedly, until the desired channel is tuned in. 	 The scale with the frequency band changes.
4 Press both the SHIFT and the PRESET buttons simultaneously to store the channels. 	 All channels are now stored. The programme number stops flashing.
5 Repeat steps 1 and 4 for all other channels.	



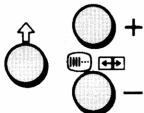
How to skip programme positions

Since you have 60 programmes at your disposal, you may want to skip vacant programme positions, that means that they are skipped when you press the PROGR +/- buttons.

Action	Result
1 Press both the \uparrow SHIFT button and the \rightarrow PRESET button simultaneously. 	 You are now in preset mode, the programme position flashes.
2 Use PROGR + or - to select the programme position you want to skip. 	 The selected programme position appears.
3 Press both the \uparrow SHIFT button and the button C simultaneously. 	
4 Press both the \uparrow SHIFT button and the \rightarrow PRESET button simultaneously. 	 The programme position is now skipped. You are back in TV mode.

How to fine tune a channel manually

If the reception of a stored channel is not satisfactory, you can fine tune the channel manually.

Action	Result
Press both the \uparrow SHIFT button and the \leftarrow + or - button simultaneously until the reception is good. 	The channel is now fine tuned.

Note: By pressing the respective programme number the automatic fine tuning will be restored.

TV operation

This section shows you how to use the convenient features available for operating the TV.

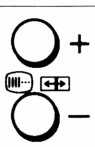
How to select programmes

Action	Result
Press PROGR +/- or the respective number button on the Remote Commander. In case of two digit numbers first press -/- and then the two respective number buttons.	The selected programme is displayed.
On the set: Press the + or - button for programme selection.	

How to adjust the volume

Action	Result
Press \triangle + or -.	The \triangle symbol and the level indicator are displayed on the screen. The volume is adjusted accordingly.
Muting of the sound	
Press button \times	The sound is switched off. Press the button again to restore the sound.
On the set: Press button \equiv repeatedly in order to select the desired item, then adjust with the + or - button.	

How to adjust the picture

Action	Result
1 Press button \equiv repeatedly, until the desired item is displayed (● contrast, ● colour intensity, ☆ brightness).	The symbol and the respective bar display are displayed.
2 Press button + or -. 	The selected picture item is adjusted accordingly.
On the set: Press button \equiv repeatedly in order to select the desired item, then adjust with the + or - button.	

To return to factory-set levels

Press the $\rightarrow \bullet \leftarrow$ button.

Other functions

On-screen display

Press the \square button to display the programme number on the screen and press the button a second time to make it disappear.

Selecting the signal of a connected device

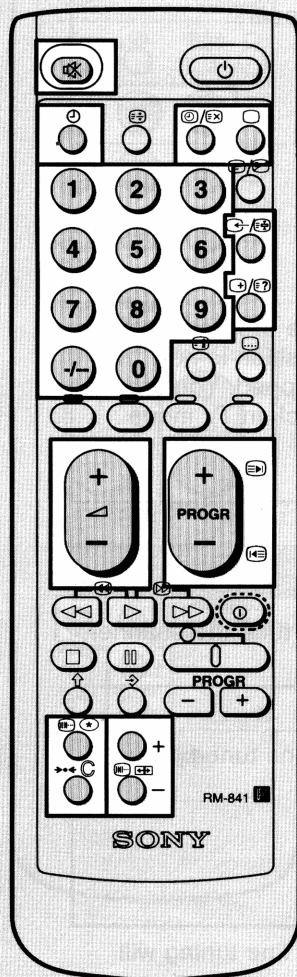
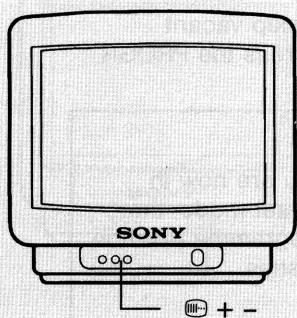
Press the \square button to receive the signal of the device (e.g. a VTR) connected at the 21-pin connector (rear of the set). Press the \square button to return to the TV mode (see also page 11).

Time function

Press \odot to request the time. Press again to cancel the request (only if teletext is broadcast).

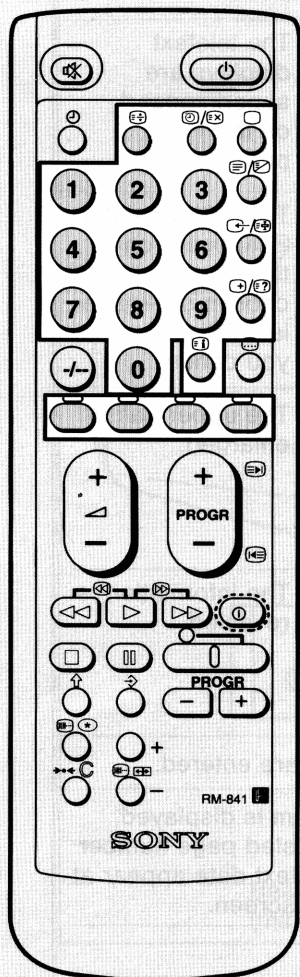
Sleep Timer

Press the \odot button repeatedly until the required time period is displayed on the screen (30, 60, 90 minutes or 0 for cancelling the request). In this way you can select the time period after which the set switches itself automatically into standby-mode.








Teletext Operation (only for KV-M1401U)


TV stations broadcast teletext programmes via the TV channels. To receive teletext programmes, use the buttons indicated in green on the Remote Commander.








How to view the teletext




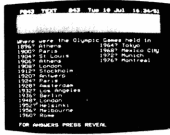

Action	Result
1 Select the channel which carries the teletext service you wish to view.	The channel changes on the screen.
2 Press  /  .	 The teletext service appears.
3 Input three digits for the page number. Note If you make a mistake, type in any three digits, then re-enter the correct page number.	The numbers are entered on the screen. The requested page will appear in a few seconds.
To return to the TV mode: Press  . To change the teletext channels: First press  to return to TV mode, then repeat steps 1 to 3.	

Note

If the signal of the TV channel is weak, teletext errors may often occur. The  button has no function on this set.

How to use the Advanced Features of Teletext

How	Action	Result (on-screen display)
Request the index page.	Press  (INDEX).	 The index page appears.
Access the next or preceding page.	Press  (PAGE +) or  (PAGE -).	 The next or preceding page appears.

How to	Action	Result
Superimpose the teletext display on the TV programme.	Press once if you are in text mode, or press twice if in TV mode. To return to the normal teletext display press again.	 The teletext displays are superimposed on the TV programmes.
Prevent a teletext page from being updated or changed.	Press (HOLD). To resume normal teletext reception, press (HOLD) again.	 The HOLD symbol appears on the screen and the chosen sub-page is held until you cancel.
Enlarge the teletext display.	Press once to enlarge the upper half. Press twice to enlarge the lower half. Press again to restore the normal display.	 The upper half is enlarged.
Reveal concealed information (e.g. answers to a quiz).	Press (REVEAL). Press again to conceal the information.	 The information is revealed.
Watch the TV programme while waiting for a requested page to be displayed.	1.Request a new page.	The numbers are entered.
	2.Press (TEXT CL).	The TV program is displayed, and the requested page number and other teletext data appear at the top of the screen.
	3.When the requested page has been captured, the page number remains and the other data disappears.	
	4.Press to view this page.	The requested page is displayed.

Some of the features may not be available depending on the Teletext service.

How to use the FASTEXT Feature

FASTEXT feature allows you to access pages quickly with one key operation. When a FASTEXT page is broadcast, a colour coded menu appears at the bottom of the screen. Each coloured prompt corresponds to the four coloured buttons of your Remote Commander.

Operation

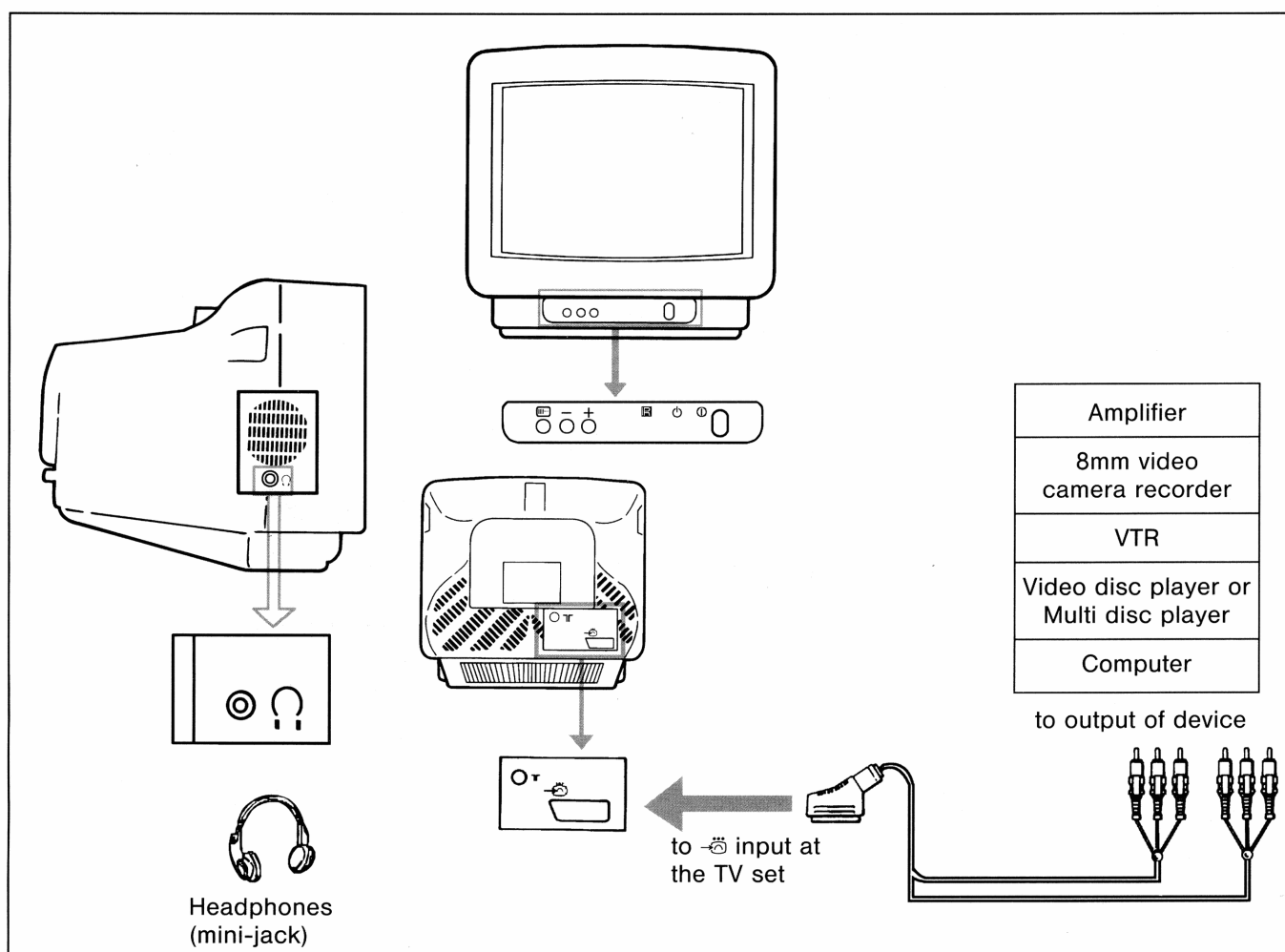
Action	Result
Press one of the coloured buttons which corresponds to the coloured prompt on the teletext.	The selected teletext page appears.

Note

Correct FASTEXT operation depends on the necessary signals sent from the TV station. Some TV stations may not send signals for the FASTEXT.

Optional connections/operations

How to connect additional Audio/video equipment



How to view the Video input signal

Press button repeatedly in order to select the desired input mode (for Audio/video signals from 21-pin EURO connector). Press button to return to TV mode.

On the set:

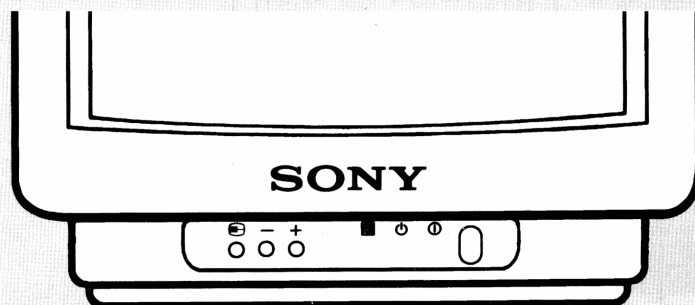
Press button once, the symbols , , will appear on the screen, then press the + button to select the desired video input mode. Press and + buttons again to return to TV-mode.

Note

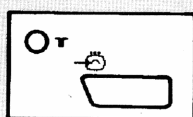
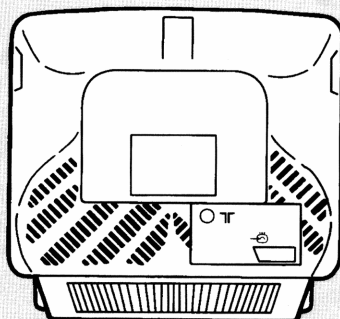
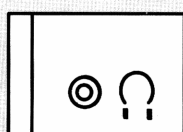
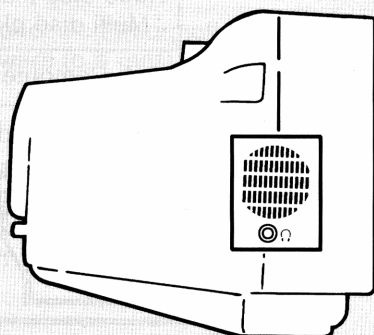
- In case of sound or picture distortions move the VTR away from the TV set.

Parts Identification

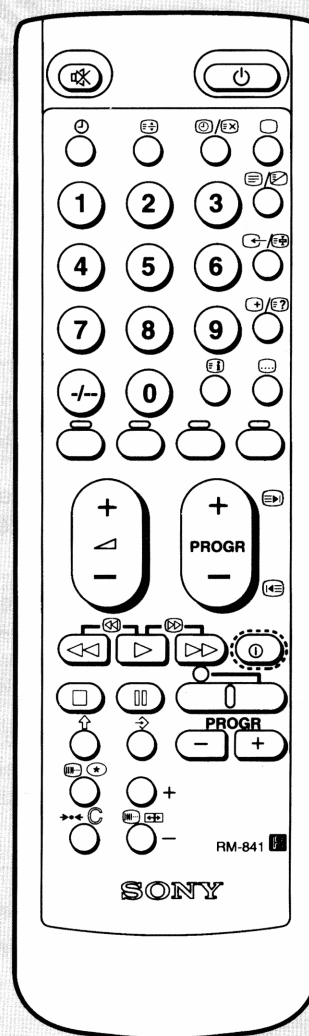
TV Set – Front



TV Set – Rear









Remote Commander






















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

TV Set

Symbol	Function	Page
	Main power switch	5
	Standby indicator	5
+/-	Programme selector	6
 +/-	Sound and picture adjustment/input selection	8
	Headphone jack (mini-jack)	11
	21-pin connector (rear of set)	11
	Aerial socket (rear of set)	4

Remote Commander
















Symbol	Function	Page
	Button for switching the TV set into standby mode	5
	Used to return to TV-mode from standby and video input modes	5
1-9, 0, -/--	Number buttons – in case of two digit numbers first press button -/-- and then two number buttons	6
PROGR +/-	Programme scanning buttons	6
 and 	Preset mode on/off buttons	6
	Functions only in combination with other buttons	6, 7
 and C	Button for clearing a programme position (in preset mode)	7
 and  +/-	Buttons for manual fine tuning of a channel/presetting	7
	Mute button	8
	Select button for picture adjustment item	8
+/-	Buttons for adjusting picture items	8
	Button for resetting the picture adjustment items to standard	8
 +/-	Buttons for adjusting the volume	8
	Button for activating the sleep timer	8
	On/off button for onscreen display	8
	Time feature (only for KV-M1401U)	8
	Teletext buttons (only for KV-M1401U)	9, 10
	FASTTEXT Buttons (only for KV-M1401U)	10
	Button for selecting the video input mode	11
	Buttons for operating Sony VHS video equipment	

Note:

Buttons not referred to in this index have no function.

Troubleshooting

Here are some simple solutions to the problems which affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	<ul style="list-style-type: none"> • Plug the TV in. • Press  on the TV. (If  indicator is on, press  or the programme number on the Remote Commander). • Check the aerial connection. • Check if the selected video source is on. • Turn the TV off for 3 or 4 seconds and then turn it on again using .
Poor or no picture (screen is dark), but sound good	<ul style="list-style-type: none"> • Adjust , ,  by pressing the + button after selecting with the  button.
Good picture but no sound	<ul style="list-style-type: none"> • Press  +. • Disconnect the headphones. • If  is displayed on the screen, press .
No colour for colour programmes	<ul style="list-style-type: none"> • Adjust  with the + button after selecting with the  button. • Press  → • ←  on the Remote Commander.
Remote Commander does not function	<ul style="list-style-type: none"> • REPLACE THE BATTERIES

If you continue to have these problems, have your TV serviced by qualified personnel. Never open the casing yourself.

Specifications

	KV-M1401U/KV-M1400U	KV-M1400L
Television system	I	
Colour system	PAL	
Channel coverage	UHF 21-69	UHF I 21- I 69, VHF A-J, S1-S20, HYPER S21-S41
Picture tube	BLACK TRINITRON Approx. 36.8cm (14 inches) (Approx. 33.7cm picture measured diagonally) 100° deflection	
Inputs	21-pin connector (CENELEC standard) including audio/video input, RGB input	
Outputs	Headphones jack: minijack	
Sound output	5W-Music Power, 4W-RMS	
Power consumption	68W/63W	48Wh
Dimensions W/H/D	approx. 359 x 345 x 409 mm	
Weight	10.5 kg	
Supplied Accessories	RM-841 Remote Commander (1) IEC designated battery (1) KV-M1401U/KV-M1400U: Loop antenna (1) KV-M1400L: VHF telescopic antenna (1)	
Other features	TELETEXT, (only for KV-M1401U)	

