

SONY®

4-205-569-32(1)



420556932

FD Trinitron Colour Television

Instruction Manual

GB

KV-14LM1U

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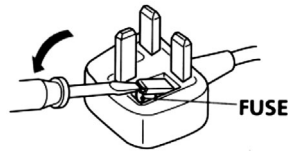
NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 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 \diamond or \heartsuit) must be used.

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.

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.



How to replace the fuse

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

• IMPORTANT

If the plug supplied is not suitable for the socket outlets in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions:

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 apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with 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 wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol \perp or coloured green or green and yellow.

WARNING

- To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be destroyed.
- 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

Thank you for choosing this Sony FD Trinitron Colour Television.

Before operating the TV, please read this manual thoroughly and retain it for future reference.






- Symbols used in the manual:
 -  Informs you of possible hazards.
 -  Important information
 -  Information on a feature.
 - **1,2...** Sequence of instructions.
 -  Shaded buttons on the remote control show you the buttons you have to press to follow the sequence of the instructions.
 -  Informs you of the result of instructions.

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Menu system

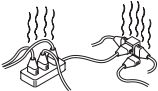

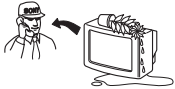

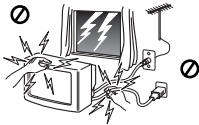
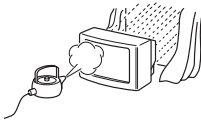
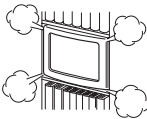
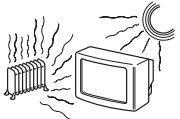
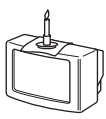






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Safety Information

 <p>This set is to operate on a 220-240V AC supply only. Take care not to connect too many appliances to the same power socket as this could result in fire or electric shock.</p>	 <p>For environmental and safety reasons, it is recommended that the TV set is not left in standby mode when not in use. Disconnect from the mains.</p>	 <p>Never push objects of any kind into the set as this could result in a fire or electric shock. Never spill liquid of any kind on the set. If any liquid or solid object does fall through, do not operate the TV. Have it checked immediately by qualified personnel.</p>
 <p>Do not open the cabinet and the rear cover of the TV. Refer to qualified service personnel only.</p>	 <p>For your own safety, do not touch any part of the TV, power lead or aerial lead during lightning storms.</p>	 <p>To prevent fire or shock hazard, do not expose the TV to rain or moisture.</p>
 <p>Do not cover the ventilation openings of the TV. For ventilation, leave a space of at least 10cm all around the set.</p>	 <p>Never place the TV in hot, humid or excessively dusty places. Do not install the TV where it may be exposed to mechanical vibrations.</p>	 <p>To prevent fire, keep inflammable objects or naked lights (eg candles) away from the TV.</p>
 <p>Clean the TV with a soft, lightly dampened cloth. Do not use benzene, thinner or any other chemicals to clean the TV. Do not scratch the TV screen. As a safety precaution, unplug the TV before cleaning it.</p>	 <p>Pull out the power lead by the plug. Do not pull on the power lead itself.</p>	 <p>Take care not to place heavy objects on the power lead as this could result in damage. We recommend you wind any excess lead around the holders provided on the rear of the TV.</p>
 <p>Place the TV on a secure stable stand. Do not allow children to climb on to it. Do not place the TV on its side or face up.</p>	 <p>Unplug the power lead before moving the TV. Avoid uneven surfaces, quick steps or excessive force. If the set has been dropped or damaged, have it checked immediately by qualified service personnel.</p>	 <p>Do not cover the ventilation openings of the TV with items such as curtains or newspapers etc.</p>

Overview of Remote Control Buttons

Muting the Sound

Press to mute TV sound. Press again to restore the sound.

Displaying on Screen information

Press to display all on-screen indications. Press again to cancel.

Selecting channels

Press to select channels.

For double-digit programme numbers, e.g. 23, press -/-- first, then the buttons 2 and 3.

If you enter an incorrect first digit, this should be corrected by entering another digit (0-9) and then selecting -/-- button again to enter the programme number of your choice.

Selecting TV mode

Press to switch off video input.

This button does not work on this set.

This button does not work on this set.

Selecting Picture mode

Press repeatedly to change the picture mode.

Adjusting TV volume


Press to adjust the volume of the TV.

This button does not work on this set.

Selecting channels

Press to select the next or previous channel.

To Temporarily Switch Off TV

Press to temporarily switch off TV (the standby indicator  on TV lights up). Press again to switch on TV from standby mode.

To save energy we recommend switching off completely when TV is not in use.



After 15 minutes without a signal and without any button being pressed, the TV switches automatically into standby mode.

Selecting input source

Press repeatedly until the desired input symbol of the source appears on the TV screen.





Back to the channel last watched

Press to watch the last channel selected (watched for at least 5 seconds).

Displaying the menu system

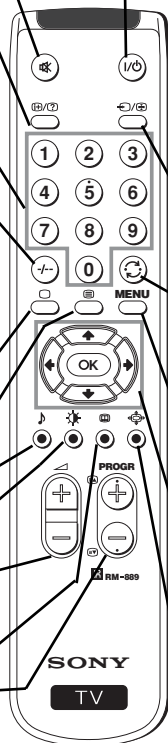
Press to display the menu on the TV screen. Press again to remove the menu display from the TV screen.

Menu selection

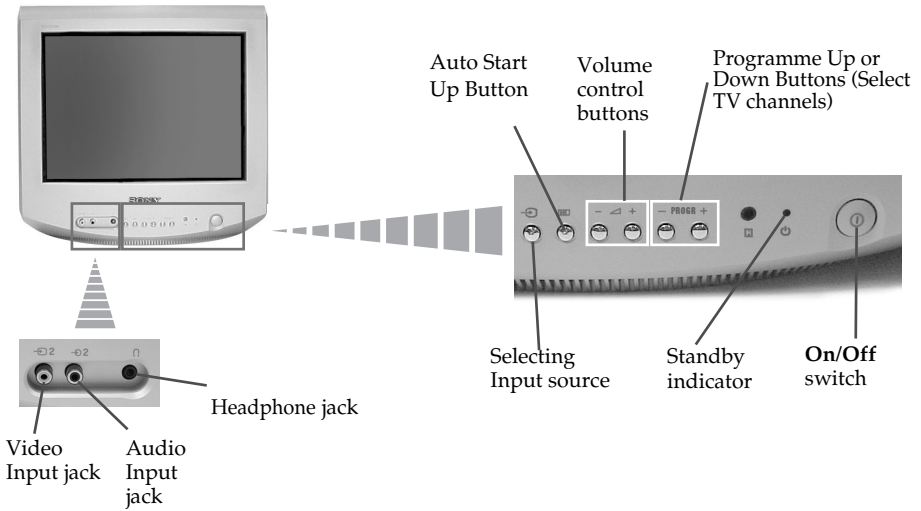
-  Scroll Up
 -  Scroll Down
 -  Previous menu or selection
 -  Next menu or selection
- OK** confirms your selection

Selecting Screen format

Press to view programmes in 16:9 mode. Press again to return to 4:3 mode.

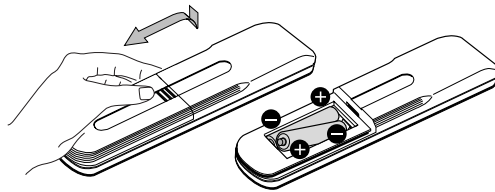


Overview of TV Buttons



Inserting Batteries into the Remote Control

 Make sure to insert the supplied batteries using the correct polarities. Always remember you dispose of used batteries in an environmental friendly way.



Connecting an Indoor Aerial

i For a better reception we recommend you connect an external aerial. However, where an external aerial is not available and your local UHF signal is strong you can connect the supplied loop aerial as follows:

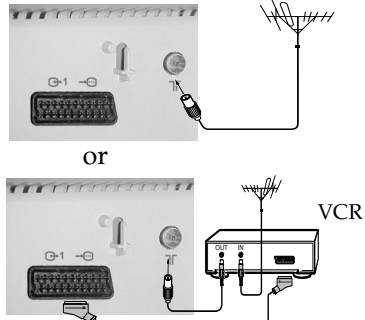
- 1 Insert the loop aerial into the opening on top of the set until it clicks.
- 2 Connect the aerial connector to the aerial socket on the rear of the set.
- 3 After turning on the TV, adjust the aerial for optimum reception.



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Connecting an Outdoor Aerial and VCR

i Connecting cables are not supplied



! For more details of VCR connection, please refer to the section "Connecting Optional Equipment" of this instruction manual.

Scart lead is optional.

Switching On the TV and Automatically Tuning

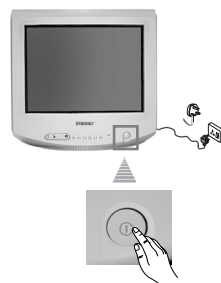
i The first time you switch on your TV, a sequence of menu screen appear on the TV enabling you to: 1) choose the language of the menu screen, 2) search and store all available channels (TV Broadcast) and 3) change the order in which the channels (TV Broadcast) appear on the screen.

However, if you need to change the language menu, change or repeat the tuning (e.g. when you move house) or rearrange again the order of the channels afterwards, you can do that by selecting the appropriate menu in the **⚙️** (Set Up). For more information, refer to the "Menu Guide" section of this instruction manual. You can also do that by pressing the Auto Start Up Button **▶** on the TV set.

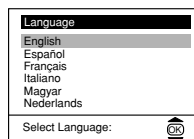
1 Connect the TV plug to the mains socket (220-240V AC, 50Hz)

The first time the TV set is connected, it is usually turned on. If the TV is off, press the **⏻** on/off button on the TV set to turn on the TV.

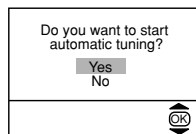
The first time you press this button, a **Language** menu displays automatically on the TV screen.



2 Press the **⬇** or **⬆** button on the remote control to select the language, then press the **OK** button to confirm your selection. From now on all the menus will appear in the selected language.



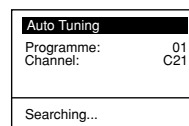
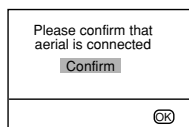
3 The **Auto Tuning** menu appears on the screen. Press the **OK** button to select **Yes**.




4 A new menu appears on the screen asking you to check that the aerial is connected. Ensure the aerial is connected and then press the **OK** button to start the automatic tuning.

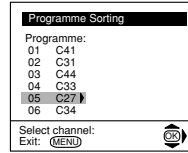
i The TV starts to automatically search and store all available channels (TV Broadcast) for you.

⚠ This procedure could take some minutes. Please be patient and do not press any button, otherwise the automatic tuning will not be completed.









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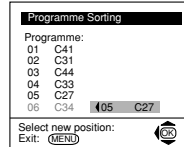
5  After all available channels are captioned and stored, the **Programme Sorting** menu appears automatically on the screen enabling you to change the order in which the channels appear on the screen.



a) If you do not wish to change the channel order, go to step 6.

b) If you wish to change the channel order:

- 1** Press the  or  button to select the programme number with the channel (TV Broadcast) you wish to rearrange, then press the  button.
- 2** Press the  or  button to select the new programme number position for your selected channel (TV Broadcast), then press  .
- 3** Repeat steps b)1 and b)2 if you wish to change the order of the other channels.



6 Press the **MENU** button to remove the menu from the screen.




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Your TV is now ready for use


Introducing and Using the Menu System

 Your TV uses an on-screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:





1 Press the **MENU** button to switch the first level menu on.



2 • To highlight the desired menu or option, press  or .

• To enter to the selected menu or option, press .

• To return to the last menu or option, press .

• To alter settings of your selected option, press  /  /  or .

• To confirm and store your selection, press **OK**.

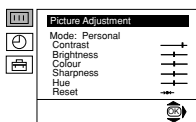


3 Press the **MENU** button to remove the menu from the screen.

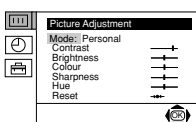


Menu Guide

Level 1








Level 2






Level 3 / Function

PICTURE ADJUSTMENT

The "Picture Adjustment" menu allows you to alter the picture adjustments.

To do that: after selecting the item you want to alter press , then press repeatedly  /  /  or  to adjust it and finally press **OK** to store the new adjustment.

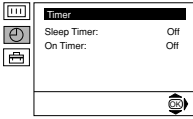
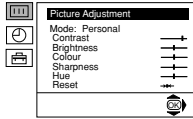
This menu also allows you to customise the picture mode based on the programme you are watching:

-  **Personal** (for individual settings).
-  **Live** (for live broadcast programmes).
-  **Movie** (for films).

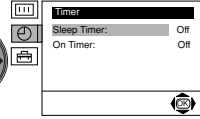
- *Brightness, Colour and Sharpness can only be altered if "Personal" mode is selected.*
- *Hue is only available for NTSC colour signal (e.g: USA video tapes).*
- *Select Reset and press OK to reset the picture to the factory preset levels.*

continued...

Level 1



Level 2



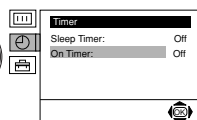
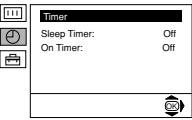
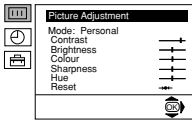
Level 3 / Function

SLEEP TIMER

The "Sleep Timer" option in the "Timer" menu allows you to select a time period for the TV to switch itself automatically into the standby mode.

To do that: after selecting the option press **➡**, then press **▼** or **▲** to set the time period delay (max. of 4 hours) and finally press **OK** to store.

- While watching the TV, you can press the **(+)** button on the remote control to display the time remaining.
- One minute before the TV switches itself into standby mode, the time remaining is displayed on the TV screen automatically.

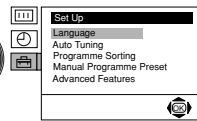
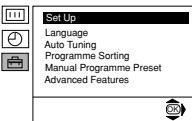
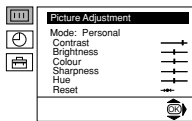


ON TIMER

The "On Timer" option in the "Timer" menu allows you to select a time period for the TV to switch itself automatically on from standby mode.

To do that: after selecting the option press **➡**, then press **▼** or **▲** to set the time period delay (max. 12 hours) and press **OK** to store. Finally press the standby button **|/⏻** on the remote control. After the selected length of time the TV switches on automatically.

- The standby indicator **⏻** on the TV set flashes regularly to indicate that "On Timer" is active.
- Any loss of power will cause these settings to be cleared.



LANGUAGE

The "Language" option in the "Set Up" menu allows you to select the language that the menus are displayed in.

To do that: after selecting the option, press **➡** and then proceed in the same way as in the step 2 of the section "Switching On the TV and Automatically Tuning".

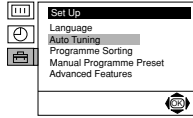
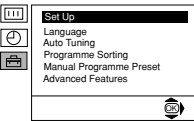
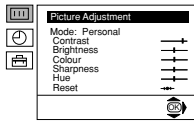
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Level 1

Level 2

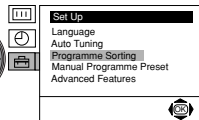
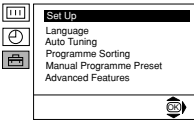
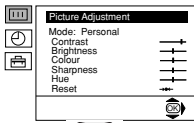
Level 3 / Function



AUTO TUNING

The "Auto Tuning" option in the "Set Up" menu allows you to automatically search for and store all available TV channels.

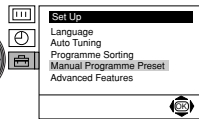
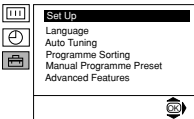
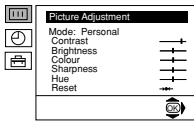
To do that: after selecting the option, press **➡** and then proceed in the same way as in steps 3 and 4 of the section "Switching On the TV and Automatically Tuning".



PROGRAMME SORTING

The "Programme Sorting" option in the "Set Up" menu allows you to change the order in which the channels (TV Broadcast) appear on the screen.

To do that: after selecting the option, press **➡** and then proceed in the same way as in step 5 b) of the section "Switching On the TV and Automatically Tuning".

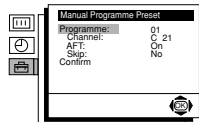


MANUAL PROGRAMME PRESET

The "Manual Programme Preset" option in the "Set Up" menu allows you to:

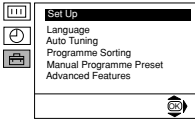
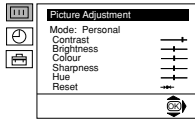
a) Preset channels or a video input source one by one to the programme order of your choice. To do that:

- 1 After selecting the "Manual Programme Preset" option, press **➡** then with **Programme** option highlighted press **➡**. Press **⬇** or **⬆** to select on which programme number you want to preset the channel (for VCR, select programme number "0"). Then press **⬅**.

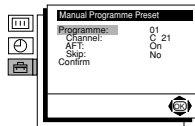
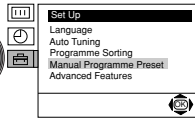


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Level 1



Level 2



Level 3 / Function

- 2 After selecting the **Channel** option, press **▶**. Then press **▼** or **▲** to select the channel tuning (“C” for terrestrial channels or “S” for cable channels). Next press **▶**. After that, press the number buttons to enter directly the channel number of the TV Broadcast or the channel of the VCR signal. If you do not know the channel number, press **▼** or **▲** to search for it. When you tune the desired channel, press **OK** twice to store.

Repeat all the above steps to tune and store more channels.

- b) Normally the automatic fine tuning (AFT) is operating, however you can manually fine tune the TV to obtain a better picture reception in the case that the picture is distorted.

To do that: while watching the channel (TV Broadcast) you wish to fine tune, select the **AFT** option and press **▶**. Next press **▼** or **▲** to adjust the fine tuning between -15 and +15. Finally press **OK** twice to store.

- c) Skip any unwanted programme numbers when they are selected with the **PROGR +/-** buttons.

To do that: Highlighting the **Programme** option, press the **PROGR +/-** button to select the programme number you want to skip. When the programme you want to skip appears on the screen, select the **Skip** option and press **▶**. Next press **▼** or **▲** to select **Yes**. Finally press **OK** twice to confirm and store.

To cancel this function afterwards, select “No” instead of “Yes” in the step above.

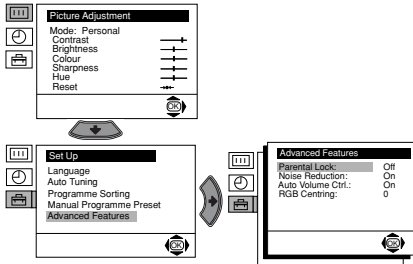
continued...

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Level 1

Level 2

Level 3 / Function

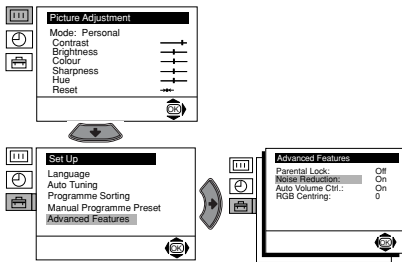


PARENTAL LOCK

The “Parental Lock” option in the “Advanced Features” menu allows you to lock the buttons of the TV set. In this way after this option is selected and the TV set is switched off, the buttons on the TV do not work and the TV only works by using the remote control buttons.

To do that: after selecting the option, press **▶**. Then press **▼** or **▲** to select **On**. Press **OK** to confirm and store and finally press **|/⏻** on the remote control.

To cancel this function afterwards, select “Off” instead of “On” in the step above.

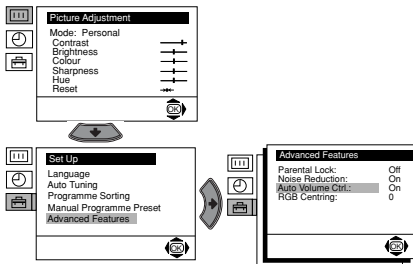


NOISE REDUCTION

The “Noise Reduction” option in the “Advanced Features” menu allows you to reduce the picture noise in case of a weak broadcasting signal.

To do that: after selecting the option, press **▶**. Then press **▼** or **▲** to select **On**. Finally press **OK** to confirm and store.

To cancel this function afterwards, select “Off” instead of “On” in the step above.



AUTO VOLUME CONTROL

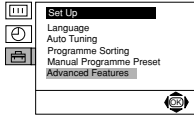
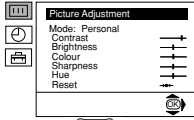
The “Auto Volume Ctrl.” option in the “Advanced Features” menu allows you to keep the same volume level of the channels, independent of the broadcast signal (e.g. in case of advertisement).

To do that: after selecting the option, press **▶**. Then press **▼** or **▲** to select **On**. Finally press **OK** to confirm and store.

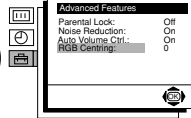
To cancel this function afterwards, select “Off” instead of “On” in the step above.

continued...

Level 1



Level 2



Level 3 / Function

RGB CENTRING

When connecting an RGB source, such as a "PlayStation", you may need to readjust the geometry of the picture. In that case, you can readjust it through the "RGB Centring" option in the "Advanced Features".

To do that: while watching an RGB source select the "RGB Centring" option and press **↕**. Then press **⬇** or **⬆** to adjust the centre of the picture between -10 and +10. Finally press **OK** to confirm and store.

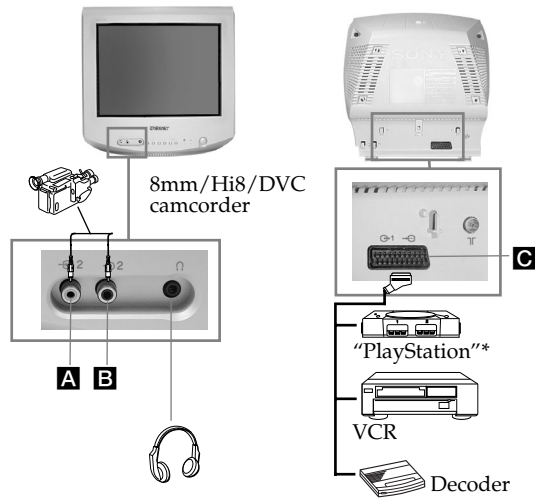
Connecting Optional Equipment

i Using the following instructions, you can connect a wide range of optional equipment to your TV set. (Connecting cables are not supplied).

Connecting a VCR:

To connect a VCR, please refer to the section "Connecting the aerial and VCR" of this instruction manual. We recommend you connect your VCR using a scart lead. If you do not have a scart lead, tune in the VCR test signal to TV programme number "0". by using "Manual Programme Preset" option. (for details how to manual programme, see page 12, step a).


Also refer to your VCR instruction manual to find out how to find the output channel of your VCR.






* "PlayStation" is a product of Sony Computer Entertainment, Inc.


* "PlayStation" is a trademark of Sony Computer Entertainment, Inc.

Using Optional Equipment

- 1 Connect your equipment to the designated TV socket, as indicated above.
- 2 To watch the picture of the connected equipment, press the  button repeatedly until the correct input symbol appears on the screen.

Symbol Input Signals

-  1 • Audio / video input signal through the Scart connector **C**
-  • RGB input signal through the Scart connector **C**. This symbol appears only if a RGB source has been connected.
-  2 • Video input signal through the phono socket **A** and Audio input signal through **B**.

- 3 Switch on the connected equipment.
- 4 Press  button on the remote control to return to the normal TV picture.

Specifications

TV system:

I

Colour system:

PAL

SECAM, NTSC 3.58, 4.43 (only Video In)

Channel Coverage:

I: UHF B21-B69




Picture Tube:

Flat Display FD Trinitron

Rear Terminals

 1 /  21-pin scart connector
(CENELEC standard)
including audio/video
input, RGB input, TV audio/
video output.

Front Terminals

 2 video input – phono jack
 2 audio input – phono jack
 headphones jack

Sound Output:

1 x 6 W (music power)

1 x 3 W (RMS Mono)

Power Consumption:

54 W

Standby Power Consumption:

≤ 0.55 W

Dimensions (w x h x d):

Approx. 393 x 358 x 415 mm.

Weight:

Approx. 11.5 Kg.

Accessories supplied:

1 Remote Control (RM-889)

2 Batteries (IEC designated)

1 Loop aerial

Other features:


- Sleep Timer
- Wake UP Timer







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Design and specifications are subject to change without notice.

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Troubleshooting

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

Problem	Solution
No picture (screen is dark) and no sound.	<ul style="list-style-type: none">• Check the aerial connection.• Plug the TV in and press the  button on the front of TV.• If the standby indicator  is on, press  button on the remote control.
Poor or no picture (screen is dark), but good sound.	<ul style="list-style-type: none">• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to the factory settings.
No picture or no menu information from the equipment connected to the Scart connector.	<ul style="list-style-type: none">• Check that the optional equipment is on and press the  button repeatedly on the remote control until the correct input symbol is displayed on the screen.
Good picture, no sound.	<ul style="list-style-type: none">• Press the  +/- button on the remote control.
No colour on colour programmes.	<ul style="list-style-type: none">• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings.
Distorted picture when changing programmes.	<ul style="list-style-type: none">• Turn off any equipment connected to the Scart connector on the rear of the TV.
Noisy picture when viewing a TV channel.	<ul style="list-style-type: none">• Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception.• Using the menu system, select the "Noise Reduction" option in the "Advanced Features" menu and select "On" to reduce the noise in the picture.
Remote control does not function.	<ul style="list-style-type: none">• Replace the batteries.
The standby indicator  on the TV flashes even though the "On Timer" function is not in use.	<ul style="list-style-type: none">• Contact to your nearest Sony service centre.

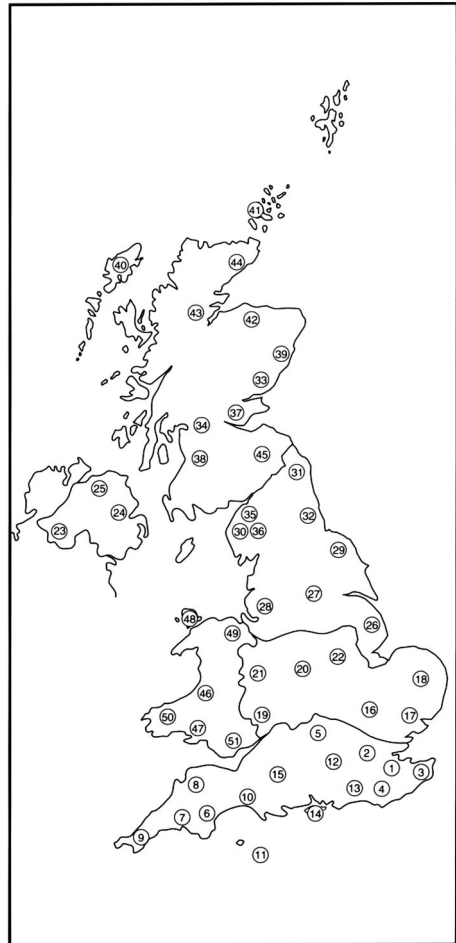
 In case of problems, have your TV serviced by qualified personnel. Never open the casing yourself.

Television Channel Number Guide for United Kingdom



Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting The BBC Engineering Information Dept., Telephone Number 020 7852 5040.

MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4	CH5
London & South East					
① Bluebell Hill	40	46	43	65	-
② Crystal Palace	26	33	23	30	-
③ Dover	50	56	66	53	-
④ Heathfield	49	52	64	67	-
⑤ Oxford	57	63	60	53	49
South-West					
⑥ Beacon Hill	57	63	60	53	-
⑦ Caradon Hill	22	28	25	32	-
⑧ Huntshaw Cross	55	62	59	65	67
⑨ Redruth	51	44	41	47	37
⑩ Stockland Hill	33	26	23	29	-
Channel Islands					
⑪ Fremont Point	51	44	41	47	-
South					
⑫ Hannington	39	45	42	66	-
⑬ Midhurst	61	55	58	68	-
⑭ Rowridge	31	24	27	21	-
West					
⑮ Mendip	58	64	61	54	37
East					
⑯ Sandy Heath	31	27	24	21	39
⑰ Sudbury	51	44	41	47	-
⑱ Tacolneston	62	55	59	65	52
Midlands (West)					
⑲ Ridge Hill	22	28	25	32	-
⑳ Sutton Coldfield	46	40	43	50	-
㉑ The Wrekin	26	33	23	29	-
Midlands (East)					
㉒ Waltham	58	64	61	54	-
Northern Ireland					
㉓ Brougher Mountain	22	28	25	32	-
㉔ Divis	31	27	24	21	-
㉕ Limavady	55	62	59	65	-
North					
㉖ Belmont	22	28	25	32	56
㉗ Emley Moor	44	51	47	41	37
North-West					
㉘ Winter Hill	55	62	59	65	48
North-East					
㉙ Bilsdale West Moor	33	26	29	23	-
㉚ Caldbeck	30	34	28	32	56
㉛ Chatton	39	45	49	42	-
㉜ Pontop Pike	58	64	61	54	-
Scotland					
㉝ Angus	57	63	60	53	-
㉞ Black Hill	40	46	43	50	37
㉟ Sandale	22	28	25	32	-
㊱ Caldbeck	-	-	28	32	56
㊲ Craigkelly	31	27	24	21	48
㊳ Darvel	33	26	23	29	-
㊴ Durris	22	28	25	32	67
㊵ Eitshal (Lewis)	33	26	23	29	-
㊶ Keellylang Hill	40	46	43	50	-
㊷ Knock More	33	26	23	29	-
㊸ Rosemarkie	39	45	49	42	-
㊹ Rumster Forest	31	27	24	21	-
㊺ Selkirk	55	62	59	65	52
Wales					
㊻ Blaenplwyf	31	27	24	21	56
㊼ Carmel	57	63	60	53	-
㊽ Llanddona	57	63	60	53	-
㊾ Moel-y-Parc	52	45	49	42	-
㊿ Presely	46	40	43	50	37
① Wenvoe	44	51	41	47	-



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