4-205-400-31(1)

## SONY

# FD Trinitron Colour Television

Instruction Manual

KV-21FT1U

2000 by Sony Corporation Printed in Spain

GB

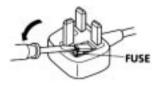
### NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

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  $\circledast$  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 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
  - ① 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.

### Safety Information

All TV's operate on extremely high voltages. To prevent fire or electric shock, please follow the safety guidelines indicated in the blue sheet supplied.

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

### **Table of Contents**

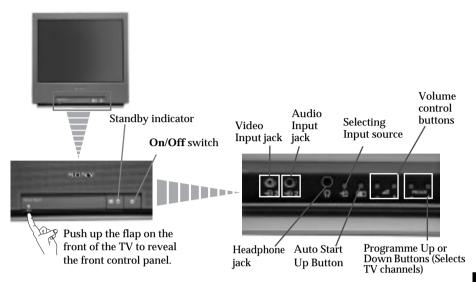
### **Overview of Remote Control Buttons**

Muting the Sound Press to mute TV sound. press again	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.
Displaying on Screen information Press to display all on-screen indications. Press again to cancel.	To save energy we recommend switching off completely when TV is not in use. After 15 minutes without a
Selecting channels Press to select channels. For double-digit programme	<ul> <li>signal and without any button being pressed, the TV switches automatically into standby mode.</li> </ul>
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	<ul> <li>4 (5) (6)</li> <li>7 (8) (9)</li> <li>(-) (0) (2)</li> <li>(-) (0) (2)&lt;</li></ul>
Press to switch off teletext or video input. Selecting Teletext Press to switch on teletext.	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.
This button only works in Teletext mode. Function ♪ associated to this button does not work with this TV.	Image: State Sta
Selecting Picture mode Press repeatedly to change the picture mode.	<ul> <li>Scion Down</li> <li>Previous menu or selection</li> <li>Next menu or selection</li> <li>OK confirms your selection</li> </ul>
Adjusting TV volume Press to adjust the volume of the TV.	• When MENU is switched off: OK Shows a channel overview. Press ◆ or ◆ to select the
This button only works in Teletext mode. Function D associated to this button does not work with this TV.	channel and then, press again the <b>OK</b> button to watch the selected channel.
Selecting channels/ Press to select the next or previous channel.	Selecting Screen format Press to view programmes in 16:9 mode. Press again to return to 4:3 mode

Besides TV functions, all coloured buttons as well as green symbols are also used for Teletext operation. For more details, please refer to ""Teletext" section of this instruction manual.

mode.

### **Overview of TV Buttons**



### **Inserting Batteries into the Remote Control**



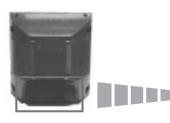
Make sure to insert the supplied batteries using the correct polarities. Always remember you dispose of used batteries in an environmental friendly way.



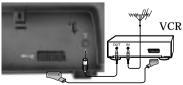
### Connecting the Aerial and VCR



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

 $\widehat{\mathbf{1}}$ 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) Press the  $\mathbf{O}$  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  $\clubsuit$  or  $\clubsuit$  button on the remote control to select Language the language, then press the **OK** button to confirm your English Españo selection. From now on all the menus will appear in the Français Italiano selected language. Magya Nederlands Select 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.



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.



Please confirm that

aerial is connected Confirm



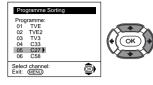
<u>OK</u>

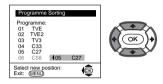
5 After all available channels are captioned and stored, the Programme Sorting menu appears automatically on the screen enabling you to change the order in which the channels appear on the screen.

- 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  $\blacklozenge$  or  $\blacklozenge$  button to select the programme number with the channel (TV Broadcast) you wish to rearrange, then press the 🔶 button.
  - 2 Press the  $\blacklozenge$  or  $\blacklozenge$  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.

S Your TV is now ready for use







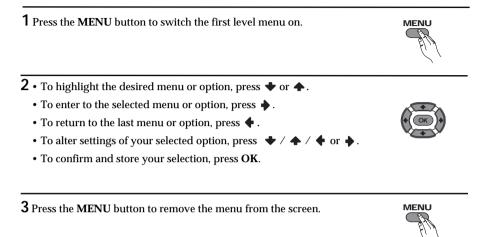
GB





### 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:



### Menu Guide

Level 1

Level 2

0	Picture Adjustment Mode: Personal Contrast Brightness Colour Sharpness Hue Reset	++++ <sup>#</sup> ®		Picture Adjustment Mode: Personal Contrast Brightness Colour Sharpness Hue Reset	¢ ا
---	---	---------------------	--	---	--------

### Level 3 / Function

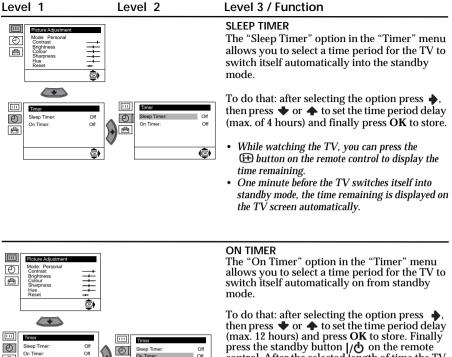
PICTURE ADJUSTMENT

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

To do that: after selecting the item you want to alter press  $\blacklozenge$ , then press repeatedly  $\blacklozenge$  /  $\blacklozenge$  / • 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:

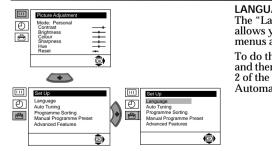
- Personal (for individual settings).
- Live (for live broadcast programmes).
- Movie (for films).
- Brightness, Colour and Sharpness can only be alterated if "Personal" mode is selected.
- Hue is only available for NTSC colour signal (e.g.: USA video tapes).
- Select **Reset** and press **OK** to reset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



(®)

press the standby button |/ O on the remote control. After the selected length of time the TV switches on automatically.

- The standby indicator 0 on the TV set flashes regularly to indicate that "On Timer" is active. .
- Any loss of power will cause these settings to be . cleared.



Ð

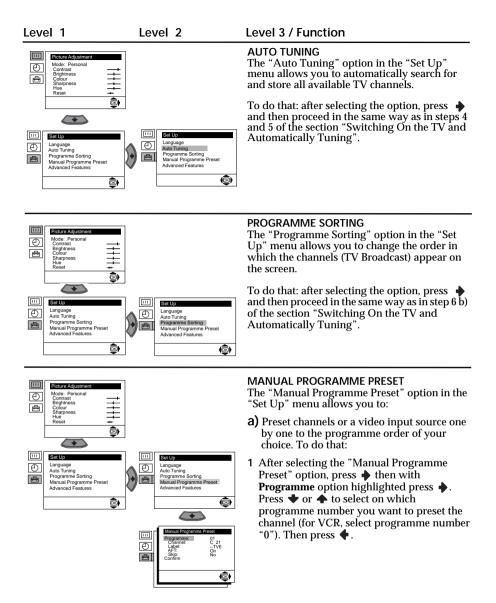
**B** 

#### 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".

continued...



continued...

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  $\clubsuit$ . Next press  $\clubsuit$  or  $\clubsuit$  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.

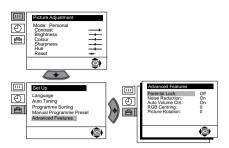
To do that: Highlighting the **Programme** option, press the **PROGR** +/- button to select the programme number you want to skip. When the programme you want to skip appears on the screen, select the **Skip** option and press ◆. Next press ◆ or ◆ to select **Yes**. Finally press **OK** twice to confirm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

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

d) Label a channel using up to five characters.

To do that: Highlighting the **Programme** option, press the **PROGR** +/- button to select the programme number with the channel you wish to name. When the programme you want to name appears on the screen, select the **Label** option and press ◆. Next press ◆ or ◆ to select a letter, number or "-" for a blank. Press ◆ to confirm this character. Select the other four characters in the same way. After selecting all the characters, press **OK** twice to store.

continued...

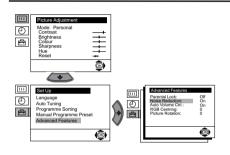


#### PARENTAL LOCK

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  $\blacklozenge$ . Then press  $\blacklozenge$  or  $\blacklozenge$  to select **On**. Press **OK** to confirm and store and finally press  $|/ \bigcirc$  on the remote control.

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

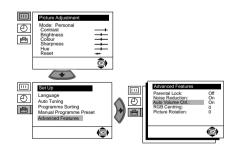


#### NOISE REDUCTION

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  $\blacklozenge$ . Then press  $\blacklozenge$  or  $\blacklozenge$  to select **On**. Finally press **OK** to confirm and store.

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

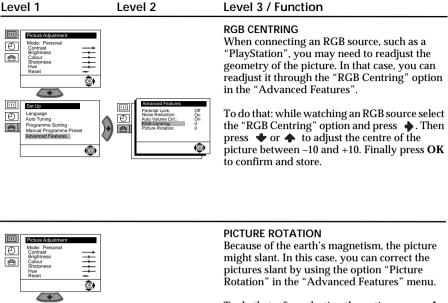


#### AUTO VOLUME CONTROL

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  $\blacklozenge$ . Then press  $\blacklozenge$  or  $\blacklozenge$  to select **On**. Finally press **OK** to confirm and store.

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



ed Featur

Auto Volume Ctrl. RGB Centring: Off On On 0

**®**)

ntal Lock:

ത

₿

(®)

III Set Up

Ð

₿

Language Auto Tuning Programme Sorting Manual Programme Preset Advanced Features To do that: after selecting the option, press  $\blacklozenge$ . Then press  $\blacklozenge$  or  $\blacklozenge$  to correct any slant of the picture between -5 and +5 and finally press **OK** to store.

### Teletext

D Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

Make sure to use a channel (TV Broadcast) with a strong signal, otherwise teletext errors may occur.

#### To Switch On Teletext :

After select the channel (TV Broadcast) which carries the teletext you wish to view, press ().

#### To Select a Teletext page:

Input 3 digits for the page number, using the numbered buttons.

- If you have made a mistake, retype the correct page number.
- If the counter on the screen continues searching, it is because this page is not available. In that case, input another page number

#### To access the next or preceding page:

Press PROGR + ( ) or PROGR - ( ).

To superimpose teletext on to the TV:

Whilst you are viewing teletext, press (). Press it again to cancel teletext mode.

#### To freeze a teletext page:

Some teletext pages have sub-pages which follow on automatically. To stop them, press - / - . Press it again to cancel the freeze.

#### To reveal concealed information (e.g. answer to a guiz):

Press (i+)/(?). Press it again to conceal the information.

#### To Switch Off Teletext:

Press 🔘 .

### Fastext

Fastext service lets you access pages with one button push. While you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the colour button (red, green, yellow or blue) to access the corresponding page.



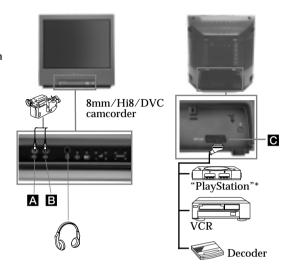
### **Connecting Optional Equipment**

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 10, 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
<del>. (</del> 1	ullet Audio / video input signal through the Scart connector $llet$
-	• RGB input signal through the Scart connector <b>C</b> . This symbol appears only if a RGB source has been connected.
<del>.</del> Ð2	<ul> <li>Video input signal through the phono socket A and Audio input signal through B.</li> </ul>

- **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

C→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 8 W (music power) 1 x 4 W (RMS Mono) Power Consumption: 76 W

Standby Power Consumption:  $\leq 0.55 \; W$ 

Dimensions (w x h x d): Approx. 488 x 480 x 477 mm.

Weight: Approx. 24 Kg.

Accessories supplied: 1 Remote Control (RM-887) 2 Batteries (IEC designated)

#### Other features:

- Teletext, Fastext, TOPtext
- Sleep Timer
- Wake UP Timer
- Smartlink (direct link between your TV set and a compatible VCR. For more information on Smartlink, please refer to the Instruction Manual of your VCR).

Design and specifications are subject to change without notice.

Ecological Paper- Totally Chlorine Free

### 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> <li>Check the aerial connection.</li> <li>Plug the TV in and press the ① button on the front of TV.</li> <li>If the standby indicator ひ is on, press //ひ button on the remote control.</li> </ul>			
Poor or no picture (screen is dark), but good sound.	• 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.	• Check that the optional equipment is on and press the			
Good picture, no sound.	• Press the $\checkmark$ +/- button on the remote control.			
No colour on colour programmes.	• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings.			
Distorted picture when changing programmes or selecting teletext.	• Turn off any equipment connected to the Scart connector on the rear of the TV.			
Picture slanted	• Using the menu system, select the "Picture Rotation" option in the "Advanced Features" menu to correct the picture slant.			
Noisy picture when viewing a TV channel.	<ul> <li>Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception.</li> <li>Using the menu system, select the "Noise Reduction" option in the "Advanced Features" menu and select "On" to reduce the noise in the picture.</li> </ul>			
Remote control does not function.	• Replace the batteries.			
The standby indicator $\textcircled{0}$ on the TV flashes even though the "On Timer"	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. (0181) 752 5040.

MAIN TRANSMITTERS	8901	99C2	ITV	CH4	CHS
London & South East					
@Badvi168	40	44	43	- 68	-
@Crystal Palace	26	30	23	-30	-
COrner	50	58	ob.	- 88	
Clienthield	44	52	- 64	67	-
(SOvient	- 57	ed.	NR	53	
South-West					
@Beace Hill	57	63	140	53	-
@Canadon Hill	22	28	25	32	
@Hantshaw Cress	58	62	59	- 66	67
@Redmin	52	44	41	47	37
(Beackland Hill	33	28	23	29	+
Channel Islands					
ODF remont Point	74	44	41	47	-
South					
@Hannington	34	45	42	M	- 1
(BMallars)	ed.	15	58	-	-
Blanvridge	10	24	27	21	
West	100		- C		
Bherday	14	64	61	54	37
@Sandy Heath	31	27	24	21	39
	10				
(Bindhary		44	61 59	47	52
(B) Tacolneytors	62	-59	34	00	-92
Midlands (West)		-	-	-	
(BHodge Hill	22	28	25	10	-
@Sutton Coldfield	44	40	40	50	
@The Wrekin	26	23	23	29	-
Midlands (East)					
(DWitham	58	64	-61	54	-
Northern Ireland					
(BBrougher Mountain)	32	28	25	38	-
@Divis	31	27	24	21	
GLimivaly	55	62	59	-65	-
North					
Greinont	32	29	25	32	56
@Endey Moon	44	58	47	-41	37
North-West					
GBWinter Hill	58	62	56	48	- 28
North-East					
@Bibdale West Moor	53	26	28	23	-
@Caldbock	30	34	28	32	56
OChance	34	45	44	42	-
OPPortop Pike	58	64	61	54	
Scotland		- 04	0.0		
	12	63	40	53	
@Anges	40			50	10
Geblack Hill		48	43		30
@Sondale	22	67	-	-	2
@Caldbeck	-	-	28	30	5
(DC toigkelly	31	17	24	21	- 88
@Darvel	-10	28	23	29	-
Oterris	32	28	25	10	67
@Eishal (Lewis)	33	28	23	29	
@Keelylang Hill	40	46	43	-50	-
@DKmock Merry	30	28	23	29	+
(DRosemarkie	58	45	48	42	+
@Runstor Finest	M	27	24	21	
Bischirk	58	62	54	44	52
Wales					
Bilaniplayi	м	27	24	21	56
(DCarriel	52	63	60	53	-
GLanddens	57	63	60	53	
@March y-Parc	12	45	44	40	-
Offmely	48	48	43	10	10

