SONY

FD Trinitron Colour Television

Instruction Manual

Bedienungsanleitung

Kullanım Kılavuzu

Οδηγίες Χρήσης

GB

DE

IK

GR

KV-25FX20D KV-29FX20D

Instruction Manual GB

Thank you for choosing this Sony TV.

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

Keys to read this Instruction Manual:

- Use Getting Started if you wish to install the TV set and to get familiar with the basic functions.
- Use Advanced Operation if you wish to know more about the additional features of the TV set.
- 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 the buttons you have to press to follow the sequence of instructions.
 - E Informs you of the result of the instructions.
 - · >>> The process continues on the next page to get final result.

WARNING



Safety Information

All TVs operate on extremely high voltages. To prevent fire or electric shock, please follow the safety procedures indicated below.

A For General Safety

- Do not expose the TV set to rain or moisture.
- Do not remove the rear cover.
- For your protection, refer all servicing to qualified personnel only.

A For Safe Installation

- Do not install the TV in hot, humid or excessively dusty places.
- Do not block or cover the ventilation openings. For ventilation, leave a space of at least 10 cm all around the set.
- Do not install the TV where it may be exposed to mechanical vibrations.
- Place the TV set only on a stable stand designed for the weight and dimensions of the TV.

A For Safe Operation

- Do not operate the TV set on anything other than a 220-240V AC, 50Hz supply.
- Do not operate the TV if any liquid or solid objects fall in through the ventilation slots. Have it checked immediately.
- For environmental and safety reasons, it is recommended that the TV set is not left in standby mode when not in use. Switch off at the mains.
- Do not disconnect the TV by pulling on the power cable. Disconnect by removing the mains plug.
- In case of a thunderstorm, disconnect the TV set from the main supply and the aerial. Otherwise the set may be damaged by a stroke of lightning.

A For Maintenance

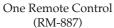
- Clean the TV screen with a soft dampened cloth. Do not use any abrasive cleaners.
- Dust and nicotine deposits may cause heat accumulation inside the TV set. In the long term this could be a safety risk and may shorten the lifetime of your TV set. Therefore have your set serviced about every five years.

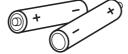
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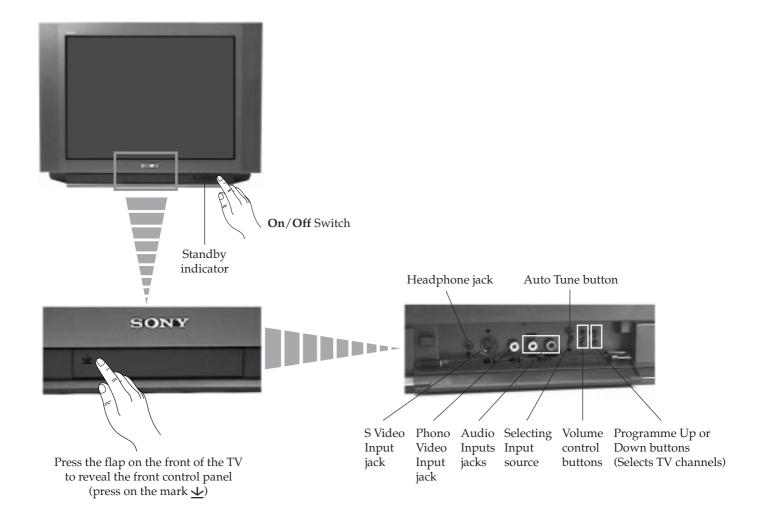






Two batteries (R6 type)

Overview of TV Buttons



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 Teletext or video input.

Selecting Teletext

Press to switch on Teletext.

Selecting Sound mode

Press to change the sound mode.

Selecting Picture mode

Press to change the picture mode.

Adjusting TV Volume

Press to adjust the volume of the TV.



To Temporarily Switch Off TV

Press to temporarily switch off TV (the standby indicator **b** 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 15-30 minutes without a TV 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

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.

This button only works in Teletext mode. Function
associated to this button does not work with this TV.

Selecting channels

Press to select the next or previous channel.

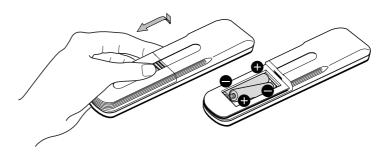


Besides TV functions, all coloured buttons as well as green symbols are also used for Teletext operation. For more details, please refer to the "Teletext" section of this instruction manual.

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Inserting Batteries into the Remote Control

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



Connecting the Aerial



Connect a conventional aerial to the socket marked Π on the rear of the TV.

Switching on the TV



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

Push in the On/Off switch on the front of the TV.

First Time Operation - Basic Presetting

Selecting Language

Use this function to change the language of the menu screens. The first time that you switch on your TV, the Language menu appears automatically. However, if you need to change the language menu afterwards, select the menu LANGUAGE in the ♠ (SET UP) menu and proceed in the same way as described below.



1 Press the **on/off** button on your TV set to switch on your TV. The first time you press the on/off button on your TV set, the language menu displays automatically on the TV screen.



6

9

MENU

PROGR

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2 Press the **→** or **→** button on the remote control to select the language, then press the **OK** button to confirm your selection.



 $^{latheta}$ The Auto Tuning menu appears on the TV screen in the selected language.







First Time Operation - Basic Presetting

Automatically Tuning the TV using the Remote Control

You need to tune the TV to receive channels (TV Broadcast). By following the instructions below, this TV automatically searches and stores all available channels for you.

After having selected the language, a new menu appears automatically on the TV screen asking you to automatically tune the TV. However, if you need to change or repeat the tuning afterwards (e.g. when you move house), select the menu AUTO PROGRAMME in the (SET UP) menu and proceed in the same way as described below in step 1 or, please refer to the section "Automatically Tuning the TV using the TV buttons" of this instruction manual.



Press the **OK** button on the remote control to select **YES**. A new menu appears automatically on the screen asking you to check that the antenna is connected.

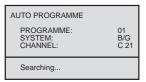


 ${f 2}$ Confirm that the antenna is connected and then press the ${\bf O}{\bf K}$ button.



The automatic tuning starts and the message "Searching..." flashes on the screen.

This procedure could take some minutes.



 $ext{ }$ When the automatic tuning is finished, the Programme Sorting menu appears on the TV screen.



Notes:

- To stop the automatic tuning, press the **MENU** button.
- If you stop the automatic tuning by pressing the MENU button, the Programme Sorting menu does not appear automatically on the TV screen.



First Time Operation - Basic Presetting

Changing the Programme Order of the TV channels

After all available channels (TV Broadcast) are captioned and stored, a new menu appears automatically on the screen to change the order in which the channels appear on the screen.

However, if you wish to rearrange the order of the channels afterwards, select the menu PROGRAMME SORTING in the 🖨 (SET UP) menu and proceed in the same way as described in the b) section of this chapter.

a) If you do not wish to change the channel order:

1 Press the **MENU** button to exit and return to the normal TV screen.





(I/O)

6

MENU

PROGR

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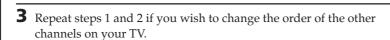
Your TV is now ready for use.

b) If you wish to change the channel order:

1 Press the PROGR+ or-button until the channel (TV Broadcast) you wish to rearrange appears on the screen.



- **2** Press the ◆ or ◆ button to select the new programme number position for your selected channel (TV Broadcast), then press the OK button.
 - The word **CONFIRM** is highlighted for a few seconds to confirm that the new programme position is stored.





4 Press the **MENU** button to exit and return to the normal TV screen.



Your TV is now ready for use.

Automatically Tuning the TV using the TV buttons

Besides the explanation in the section "Automatically Tuning the TV using the Remote Control", by following the instructions below, this TV also searches and stores automatically all available channels using just one button of the TV set.



1 Press the flap on the front of the TV by pressing on the $\underline{\checkmark}$ mark to reveal the front control panel.

Press and hold in the button on the TV set for some seconds, until a menu appears automatically on the screen asking you to check that antenna is connected.





(₩)

(I/O)

3 Confirm that the antenna is connected and then press the **OK** button.



The automatic tuning starts and the message "Searching..." flashes on the screen.



This procedure could take some minutes.

AUTO PROGRAMME PROGRAMME: 01 B/G C 21 SYSTEM: CHANNEL: Searching..



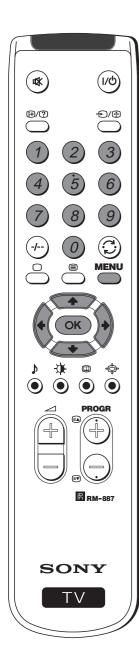
When the automatic tuning procedure is complete, the menu disappears from the TV screen and your TV is now ready for use.

Note: To stop the automatic tuning, press the **MENU** button on the remote control.

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Manually Tuning the TV

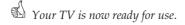
Use this function to preset channels or a video input source one by one to the programme order of your choice.

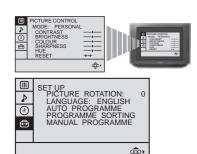


- Press the MENU button on the remote control to display the menu on the TV screen.
- **2** Press the **♦** button to select the **⊕** symbol, then press the **♦** button to enter to the SET UP menu.
- **3** Press the **♦** button to select **MANUAL PROGRAMME**, then press the **b**utton.
- **4** With the cursor highlighting **PROGRAMME**, press the **→** button and then, press the ◆ or ◆ button to select on which programme number you want to preset a channel. Press the \ button.
- **5** Press the **♦** button to select **CHANNEL**, then press the **♦** button. Press ◆ or ◆ button to select the channel tuning, "C" for terrestrial channels or "S" for cable channels. Press the ▶ button.
- **6** Press the number buttons to enter the channel number of the TV Broadcast or press the ♠ or ♥ button to search for the next available channel.

If you do not wish to store this channel, press the ♠ or ♥ button to continue searching for the desired channel.

- **7** If this is the desired channel you wish to store, press the **OK** button and then, with the cursor highlighting CONFIRM, press the **OK** button again.
- **8** Repeat steps 4 to 7 if you wish to store more channels.
- **9** Press the **MENU** button to exit and return to the normal TV screen.













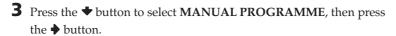


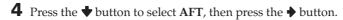
Fine Tuning Channels

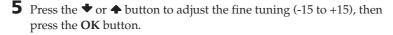
Normally, the automatic fine tuning (AFT) function is operating. If the picture is distorted, however, you can manually fine tune the TV to obtain a better picture reception.



- Select the channel (TV Broadcast) you wish to fine tune, then press the MENU button on the remote control to display the menu on the TV screen.
- **2** Press the **♦** button to select the **♠** symbol, then press the **♦** button to enter to the SET UP menu.







6 With the cursor highlighting **CONFIRM**, press the **OK** button to store.

7 Press the **MENU** button to exit and return to the normal TV screen.











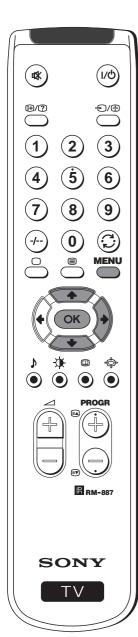


8 Repeat steps 1 to 7 to fine tune other channels.

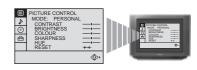
Your TV is now ready for use.

Adjusting the Picture Rotation

Because of the earth's magnetism, the picture might slant. In this case, you can correct the picture slanting.



1 Press the **MENU** button on the remote control to display the menu on the TV screen.



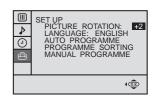
2 Press the ◆ button to select the ♠ symbol, then press the ♦ button to enter to the **SET UP** menu.



3 With the cursor highlighting **PICTURE ROTATION**, press the **♦** button.



4 Press the **♦** or **♦** button to adjust the picture rotation (adjusting range is -5 to +5), then press the **OK** button.

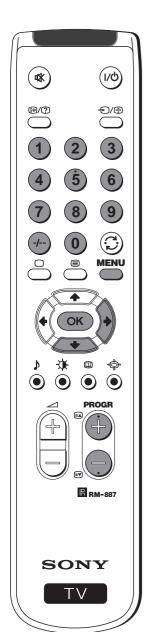


5 Press the MENU button to exit and return to the normal TV screen.

Your TV is now ready for use.

Skipping Programme positions

You can programme this TV to skip any unwanted programme numbers when they are selected with the PROGR +/buttons. To cancel this function afterwards, proceed in the same way as described below by selecting NO instead of YES in step 6.



- Press the MENU button on the remote control to display the menu on the TV screen.
- **2** Press the **♦** button to select the **⊕** symbol, then press the **♦** button to enter to the **SET UP** menu.
- **3** Press the **◆** button to select **MANUAL PROGRAMME**, then press the **b**utton.
- With the cursor highlighting PROGRAMME, press the PROGR + or - button until the programme you want to skip appears on the screen.
- **5** Press the **♦** button to select **SKIP**, then press the **♦** button.
- **6** Press the **◆** button to select **YES**, then press the **OK** button.
- **7** With the cursor highlighting **CONFIRM**, press the **OK** button.
- **8** Repeat steps 4 to 7 to skip other unused programme positions.
- **9** Press the **MENU** button to exit and return to the normal TV screen.
- When changing channels (TV Broadcasts) with the PROGR +/- buttons, the skipped programme positions do not appear. You can, however, still select them using the number buttons.

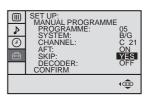








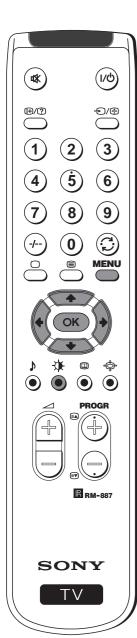






Adjusting the Picture

Although the picture is adjusted at the factory, you can modify it to suit your own taste.



- Press the MENU button on the remote control to display the menu on the TV screen.
- **2** Press the **→** button to enter to the **PICTURE CONTROL** menu.
- **3** Press the ◆ or ◆ button to select the item you wish to change.
- **4** With the cursor highlighting the item you wish to change, press the button.

(Refer to the table below for the effect of each control).

PICTURE CONTROL	OPERATION / EFFECT			
MODE	 ▼ PERSONAL (for individual settings) ▼ LIVE (for live broadcast programmes) ▼ MOVIE (for films) 			•
CONTRAST	Less	4	•	More
BRIGHTNESS*	Darker	•	•	Brighter
COLOUR*	Less	4	•	More
SHARPNESS*	Softer	4	•	Sharper
HUE**	Greenish	4	•	Reddish
RESET	○ Reset	© Resets picture to the factory preset levels.		

- Can be only altered if PERSONAL MODE is selected.
- Only avalaible for NTSC colour signal (e.g: US video tapes).
- **5** Press the \checkmark/\spadesuit or \spadesuit/\spadesuit button to alter the selected item, then press the **OK** button to store the new adjustment.
- **6** Repeat steps 3 to 5 to alter the other items.
- **7** Press the **MENU** button to exit and return to the normal TV screen.

Changing Picture Mode Quickly

f 1 Press the igoplus button on the remote control to directly access the PICTURE MODE.



2 Press the **→** button to select your desired picture mode (PERSONAL, LIVE or MOVIE).

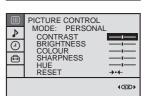


PICTURE MODE: LIVE



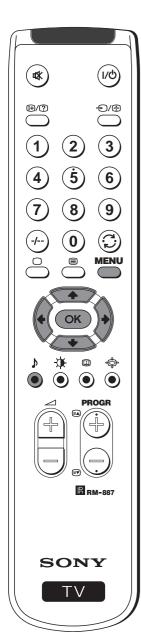






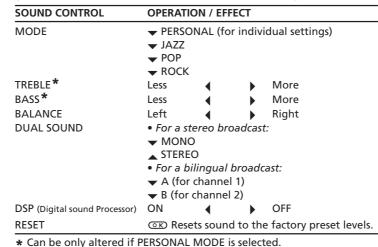
Adjusting the Sound

Although the sound is adjusted at the factory, you can modify it to suit your own taste.



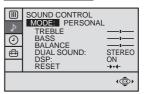
- Press the MENU button on the remote control to display the menu on the TV screen.
- **2** Press the **♦** button to select the **>** symbol, then press the **♦** button to enter to the SOUND CONTROL menu.
- **3** Press the **→** or **→** button to select the item you wish to change.
- **4** With the cursor highlighting the item you wish to change, press the

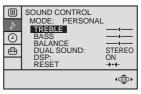
(Refer to the table below for the effect of each control).

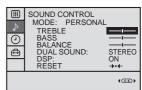


- **5** Press the \checkmark/\spadesuit or \spadesuit/\spadesuit button to alter the selected item, then press the OK button to store the new adjustment.
- **6** Repeat steps 3 to 5 to alter the other items.
- **7** Press the **MENU** button to exit and return to the normal TV screen.



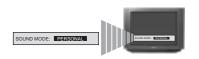






Changing Sound Mode Quickly

Press the button on the remote control to access directly to the SOUND MODE.



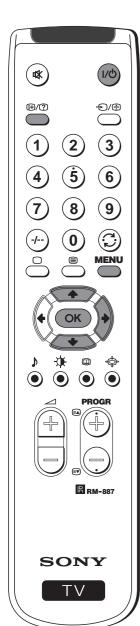
2 Press the **♦** button to select your desired sound mode (PERSONAL, JAZZ, POP or ROCK).



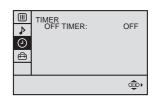
Advanced Operation - Advanced TV Operation

Using the Sleep Timer

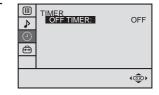
You can select a time period for the TV to switch itself automatically into the standby mode.



- **1** Press the **MENU** button on the remote control to display the menu on the TV screen.
- **2** Press the ◆ button to select the **②** symbol, then press the ◆ button to enter to the TIMER menu.



3 With the cursor highlighting **OFF TIMER**, press the **♦** button.

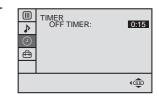


4 Press the **♦** or **♦** button to set the time period delay OFF 0:15 min.



▼ 4:00 hours

5 Press the **OK** button.



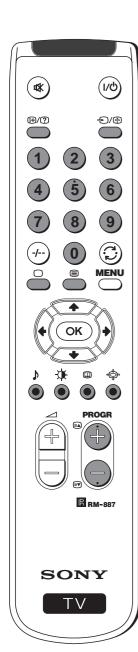
- **6** Press the MENU button to exit and return to the normal TV screen.

6 One minute before the TV switches into standby mode, the time remaining is displayed on the TV screen automatically.

- **Notes:** When watching the TV, press the 🕦 button to display the time remaining.
 - To return to normal operation from standby mode, press the **///** button.

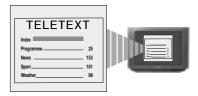
Viewing Teletext

- Teletext is an information service transmitted by most TV stations.
- Make sure to use a TV channel with a strong signal, otherwise teletext errors may occur.



Selecting Teletext

- **1** Select the TV channel which carries the teletext service you wish to view.
- **2** Press the button on the remote control to switch on the teletext.



- **3** Input three digits for the page number, using the numbered buttons on the remote control. (if you have made a mistake, type in any three digits and then, re-enter the correct page number).
- **4** Press the O button to switch off teletext.

Using other Teletext functions

то	PRESS THE BUTTON	
Access the next or preceding page	for next page or for the preceding page	
Superimpose teletext on to the TV	Press again to cancel teletext mode.	TELETEXT TELETE
Freeze a teletext page	Press again to cancel the freeze.	

Press ② again to cancel.

Using Fastext

Reveal concealed information

(e.g: answer to a quiz)

Fastext lets you access pages with one button stroke.

When Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the colour button (red, green, yellow or blue) on the remote control to access the corresponding page.

Optional Connections

Using Optional Equipment

You can connect optional audio or video equipment to your TV, such as a VCR, a camcorder or a video game as shown

Select and View the Input Signal

- Connect your equipment to the designated TV socket.
- 2 Press the • button repeatedly on your remote control until the correct input symbol appears on the TV screen.

Symbol	Input signals
- 21	 Audio/video input signal through the Euro AV connector F
	RGB input signal through the Euro AV connector
- €2	Audio/video input signal through the Euro AV connector
- ®2	S video input signal through the Euro AV connector
- €3	• Video input signal through the phono socket © and Audio input signal through D
-8 3	• S video input signal through the socket B and Audio input signal through D .

- 3 Switch on the connected equipment.
- 4 To return to normal TV picture, press the \bigcirc button on the remote control.

Note: To avoid picture distortion, do not connect equipment to the **B** and **E** connectors at the same time.

Additional Information

Connecting a VCR

Plug in VCR to the socket **F** on the rear of the TV set.

We recommend you tune in the VCR signal to TV programme number '0' using the section "Manually Tuning the TV" of this instruction manual.

Connecting Headphones

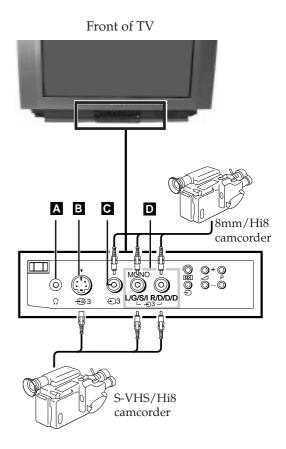
Plug in your headphones to the socket A on the front of the TV set.

Connecting Decoders

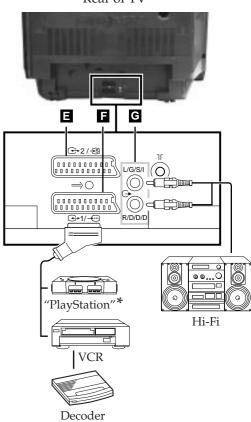
Plug in decoders to the socket **F** on the rear of the TV.

Connecting to External Audio Equipment

Plug in your Hi-Fi equipment to the **G** sockets on the rear of the TV if you wish to amplify the audio output from the TV.



Rear of TV



^{* &}quot;PlayStation" is a product of Sony Computer Entertainment, Inc.

^{* &}quot;PlayStation" is a trademark of Sony Computer Entertainment, Inc.

Smartlink



Smartlink is a direct link between your TV set and a VCR.

For Smartlink you need:

- A VCR which supports Smartlink, NextView Link, Easy Link or Megalogic.
 - Megalogic is a trademark of Grundig Corporation. EasyLink is a trademark of Philips Corporation.
- A fully-wired 21 pin SCART cable to connect your VCR to Scart \bigcirc 1/ \bigcirc connector.

The features of Smartlink are:

- Tuning information such as the channel overview are downloaded from the TV set to the VCR.
- Direct TV recording: While watching TV you need to press just one button on the VCR to record this programme.
- TV in standby mode: Press the "Play ▶" button on your VCR to switch the TV automatically on.
- If you have connected a decoder to a VCR which supports Smartlink feature, select the menu MANUAL PROGRAMME in the (SET UP) menu and select **DECODER ON** to each codified channel.
- For more information on Smartlink, please refer to the Instruction Manual of your VCR.

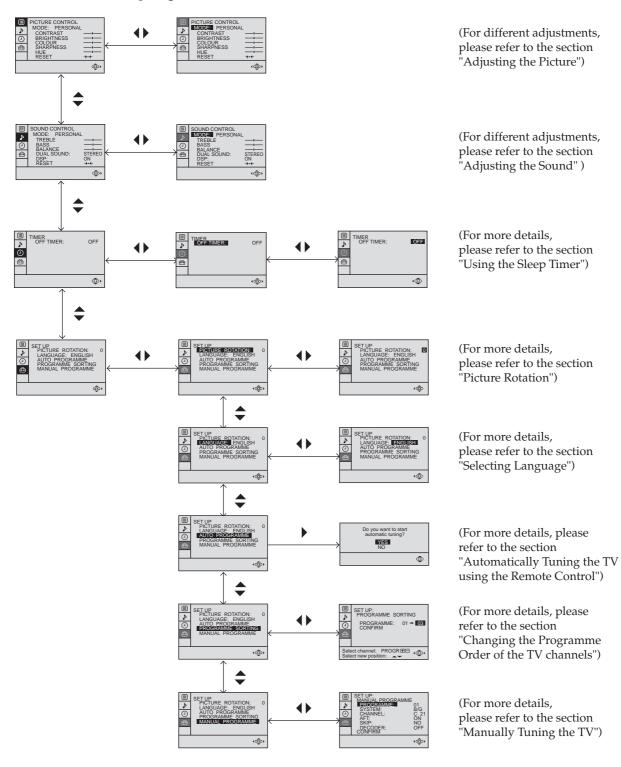
Menu Guide

Set Up Menus (for first time operation)



(For more details, please refer to the chapter "Selecting Language")

On Screen display Menus Guide



Troubleshooting



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

Problem	Solution			
No picture (screen is dark), no sound	 Plug the TV in. Press the ① button on the front of TV. If the ② indicator is on, press I/③ button or a programme number button on the remote control. Check the aerial connection. Check that the selected video source is on. Turn the TV off for 3 or 4 seconds and then turn it on again using the ① button on the front of the TV. 			
Poor or no picture (screen is dark), but good sound	 Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels. From the Picture Adjustment display select RESET to return to the factory settings. 			
Poor picture quality when watching a RGB video source.	• Press the → button repeatedly on the remote control until the RGB symbol → is displayed on the screen.			
Good picture, no sound	 Press the ∠ +/- button on the remote control. If ☒ is displayed on the screen, press the ☒ button on the remote control. 			
No colour on colour programmes	 Using the MENU system, select the Picture Adjustment display. Adjust the colour balance. From the Picture Adjustment display select RESET to return to the factory settings. 			
Distorted picture when changing programmes or selecting teletext	Turn off any equipment connected to the 21 pin Euro connector on the rear of the TV.			
Noisy picture when viewing TV channel	Adjust Fine Tuning to obtain better picture reception.			
Remote control does not function	Replace the batteries.			
The standby indicator \circlearrowleft on the TV flashes.	Contact to your nearest Sony service centre.			



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

Specifications

TV system

B/G/H

Colour system

PAL, SECAM

NTSC 3.58, 4.43 (only Video In)

Channel coverage

VHF: E2-E12 UHF: E21-E69 CATV: S1-S20 HYPER: S21-S41

Picture tube

KV-25FX20D:

Flat Display Trinitron

Approx. 63 cm (25 inches) (Approx. 59 cm picture

measured diagonally), 104° deflection

KV-29FX20D:

Flat Display Trinitron

Approx. 72 cm (29 inches) (Approx. 68 cm picture

measured diagonally), 104° deflection

Rear Terminals

⊕1/-••• 21-pin Euro connector (CENELEC

> standard) including audio/video input, RGB input, TV audio/video output

21-pin Euro connector (CENELEC ⊕2/**-**S

> standard) including audio/video input, S-video input, monitor audio/video

output

 \bigcirc Audio outputs - phono jacks

Front Terminals

€ 3 video input - phono jack

€ 3 audio inputs - phono jacks

-S3 S video input - 4 pin DIN

Headphones jack - minijack stereo

Sound output

2x7 W + 1x15 W (RMS)

Power consumption

KV-25FX20D: 100 W KV-29FX20D: 120 W **Standby Power consumption**

0.5 W

Dimensions (w x h x d)

KV-25FX20D: Approx. 655 x 509 x 476 mm KV-29FX20D: Approx. 746 x 569 x 516 mm

Weight

KV-25FX20D: Approx. 37 kg KV-29FX20D: Approx. 47.5 kg

Accessories supplied

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

Other features

TELETEXT, Fastext, TOPtext Sleep Timer Smartlink

Design and specifications are subject to change without notice.

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