

SONY[®]

4-087-551-61(1)

Trinitron Colour Television

Operating Instructions _____

GB



FD Trinitron
WEGA

KV-32FQ80U
KV-36FQ80U

© 2002 Sony Corporation

NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

For KV-32FQ80U models

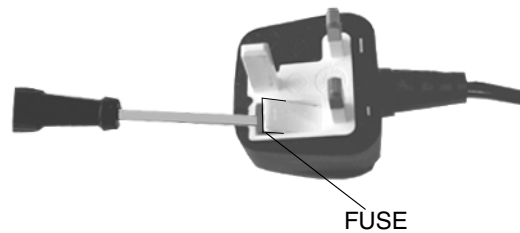
A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience. Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362 (i.e. marked with \diamond or \heartsuit) must be used. When an alternative type of plug is used 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 centre.

For KV-36FQ80U models

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 13 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 13 AMP Fuse, otherwise the circuit should be protected by a 13 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 centre.

How to replace the Fuse

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



IMPORTANT

If the plug supplied is not suitable for the socket outlet 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

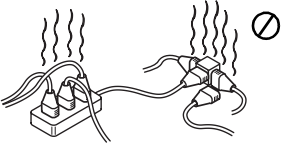
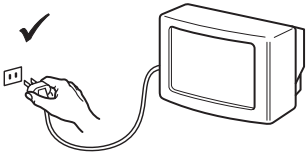
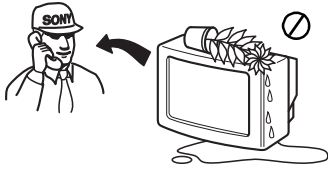
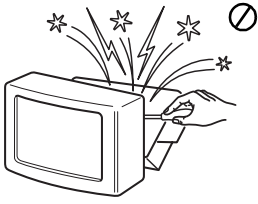
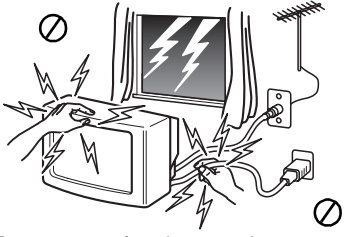
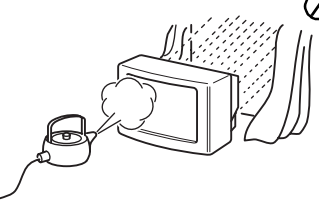
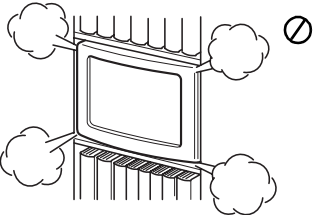
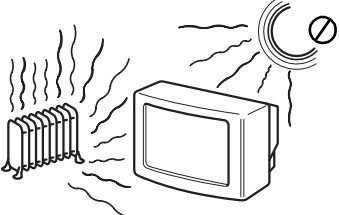
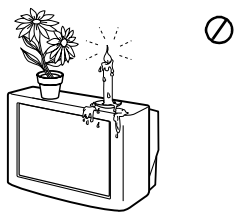
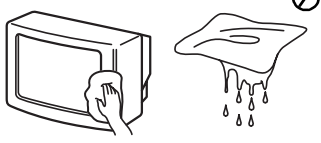
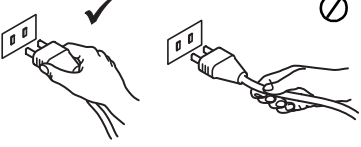
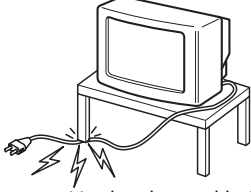
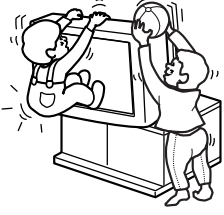

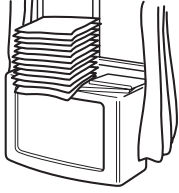
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

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.

GB

 <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 benzine, 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>

Note: Due to the unique floating design of this TV, Sony highly recommend you use their designated stand SU/32FQ2 for KV-32FQ80 and SU/36FQ2 for KV-36FQ80.

2 Safety Information

Thank you for choosing this Sony Trinitron Television.

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

Throughout this instruction manual there are illustrations of the remote control with certain buttons shaded white.

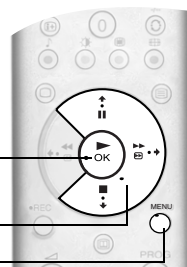
This shading indicates the buttons you will need to press when following the instructions.

For example, the illustration on the right shows that the MENU, **▲**, **▼**, **▶** and OK buttons will need to be pressed.

OK button

▲, **▼** and **▶** buttons

MENU button



Getting Started

Checking the supplied accessories	4
Inserting batteries into the remote control	4
Connecting an aerial and VCR	5
Switching on the TV	5
Automatically tuning the TV	6

Basic Operation

Overview of the remote control	7
Overview of the TV buttons	8
Text	9
Multi Picture In Picture (Multi PIP)	11
Picture And Picture (PAP)	11
The Programme Index Table	12
Screen Mode	12
NexTView Electronic Programme Guide (EPG)	13

Advanced Operation

Using the TV menu system	15
Picture Adjustment menu	15
Sound Adjustment menu	16
Features menu	17
Set Up menu	17
Manual Set Up menu	18
Manual Programme Preset menu	19
Further Programme Preset menu	20
Viewing Memory Stick pictures	21

Additional Information

Connecting other equipment to the TV	25
Remote control of other equipment	27
Specifications	28
Troubleshooting	28

Follow steps 1 - 5 to install the TV and view programmes.

1 Checking the supplied accessories



Remote control



Batteries

2 Inserting batteries into the remote control

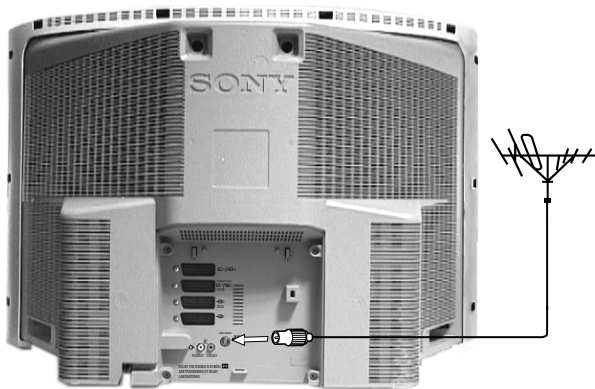


- Always remember to:
- observe the correct polarity when inserting batteries,
 - dispose of batteries in an environmentally friendly way.

3

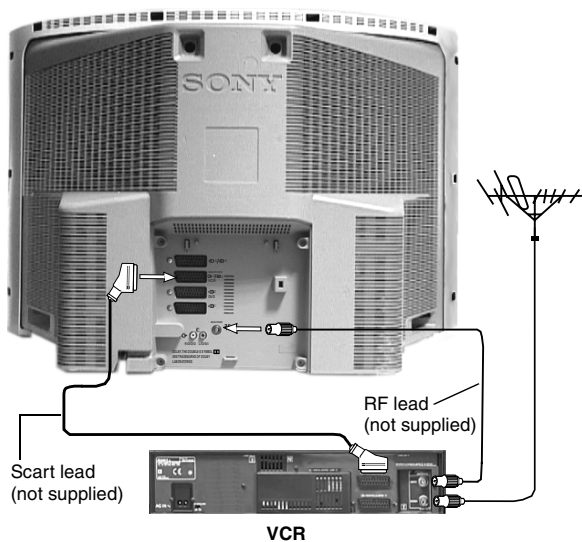
Connecting an aerial and VCR

Connecting an aerial only



1. Connect your aerial lead to the aerial socket labelled **ANT** on the rear of the TV.

Connecting an aerial and VCR



1. Connect your aerial lead to the IN* socket on your VCR.
2. Connect an RF lead from the OUT* socket on your VCR to the aerial socket labelled **ANT** on the rear of the TV.
3. Connect a fully wired 21-pin scart lead from the scart socket marked **3/3** on the rear of the TV to a scart socket on your VCR**

Notes: *Socket names may vary depending on make and model of VCR. Refer to your VCR instruction manual for details.

**If your VCR does not have a scart socket follow the connecting instructions above ignoring the scart lead connection. You will also need to manually tune the VCR to a spare TV channel (ideally channel 0, refer to the 'Manual Programme Preset menu' section of this instruction manual).

4

Switching on the TV



1. Connect the TV plug to your mains socket (220 - 240V AC, 50 Hz).
2. The TV is usually switched on. If not, push in the On/Off button **(⏻)** on the front of the TV.

If the red standby mode indicator on the front of the TV is lit, press the TV **I/O** button on the remote control to switch on the TV set. Please be patient as the picture may take a few moments to appear on the TV screen.

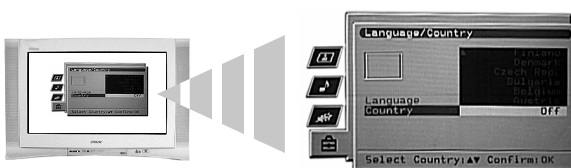
5 Automatically tuning the TV



1. When you switch on the TV for the first time the Sony logo appears on the TV screen, followed by the Memory Stick logo, and then by the Language/Country menu with the word 'English' highlighted. Press the **▲** or **▼** buttons on the remote control to highlight your required language. Press the **OK** button to confirm your choice. From now on all menus appear in your chosen language.



2. The word 'Country' is now highlighted. Press the **▲** or **▼** buttons to highlight the country in which you are using the TV. It is important to select the correct country to ensure correct Teletext displays. Press the **OK** button to confirm your choice.



3. The picture rotation prompt appears. Sometimes the Earth's natural magnetism can cause the screen to look tilted.



- a) If no correction is required, press the **◀** button on the remote control.
 - b) If some correction is required, press the **OK** button on the remote control. Press the **▲** or **▼** buttons to rotate the picture over a range of -5 to +5. Press the **OK** button to store.
4. The autotune prompt screen appears. Press the **OK** button to select **Yes**. The autotune procedure begins, tuning in all the available channels.



A display appears on the TV screen to inform you of the tuning progress.

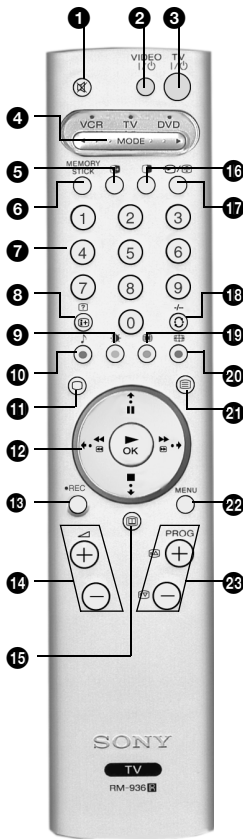
If no channels are found, a display appears on the TV screen asking you to confirm your aerial is connected. Check the aerial has been connected correctly then press the **OK** button to repeat the tuning process.

5. Once all available channels have been tuned in, the 'Programme Sorting' menu appears. This menu allows you to rearrange the order of the channels on the TV.
 - a) If you do not wish to rearrange the order, press the **MENU** button to remove the 'Programme Sorting' menu from the TV screen.
 - b) If you wish to rearrange the order, press the **▲** or **▼** buttons to select the channel you wish to move, then press the **▶** button. Press the **▲** or **▼** buttons to select the new position for your selected channel. Press the **OK** button to confirm. The selected channel moves to its new position. Repeat this procedure if you wish to move other channels. Press the **MENU** button to remove the 'Programme Sorting' menu from the TV screen when you have finished rearranging the channel order.

The TV has now tuned in all the available channels and is ready for use.

6 Getting Started

Overview of the remote control



- 1 Mute button**
Press to mute the TV sound. Press again to restore the sound.
- 2 VIDEO Standby button**
Press to switch off your VCR or DVD temporarily.
- 3 TV Standby button**
Press to switch off your TV temporarily. The standby indicator on the front of the TV is lit. Press again to return to normal operation.
- 4 ◀ MODE ▶ button**
This remote can also operate other equipment. Refer to 'Remote control of other equipment' for details.
- 5 PAP Swap button**
Press to swap screens in Picture And Picture (PAP) mode. Refer to 'Picture And Picture (PAP)' for details.
- 6 MEMORY STICK button**
Press to display the 'Memory Stick' menu. Refer to the 'Viewing Memory Stick pictures' section of this manual for details.
- 7 Numbered buttons**
When the ◀ MODE ▶ button is set to VCR or TV, press to input the required channel number. For two digit channel numbers, enter the second digit within two seconds.
- 8 Info/Reveal button**
In TV Mode: Press to reveal on screen information such as channel number etc.
In Text Mode: Press to reveal concealed information (e.g. answers to a quiz). Press again to cancel.
- 9 Picture Mode button**
Press repeatedly to change the 'Picture Mode' then press the OK button to confirm your selection. Refer to the 'Picture Adjustment' menu for details.
- 10 Sound Mode button**
Press to repeatedly change the 'Sound Mode' then press the OK button to confirm. Refer to the 'Sound Adjustment' menu.
- 11 TV button**
Press to return to normal TV operation from Text or Video Input mode.
- 12 Control Pad and OK button**
When in the TV menu system, press the control pad buttons to move through the options in each display. Press the OK button to confirm a selection.

Note: When the ◀ MODE ▶ button is set to VCR or DVD the control pad and OK buttons operate the main functions of your VCR or DVD.
- 13 REC button**
When the ◀ MODE ▶ button is set to VCR, press this button to begin recording.
- 14 Volume buttons**
Press to increase (+) or decrease (-) the volume.
- 15 EPG button**
Press to display the Electronic Programme Guide. Refer to 'NextView Electronic Programme Guide (EPG)' for details.
- 16 PAP button**
Press to enter Picture And Picture (PAP) mode. Refer to 'Picture And Picture (PAP)' for details.
- 17 Input Select/Hold button**
In TV Mode: Press to select signals from equipment connected to the TV sockets (refer to 'Connecting additional equipment' for details).
In Text Mode: Press to hold the current page. Press again to cancel.
- 18 Channel Return button**
Press to return to the previous channel you were watching (provided you watched it for at least 5 seconds).

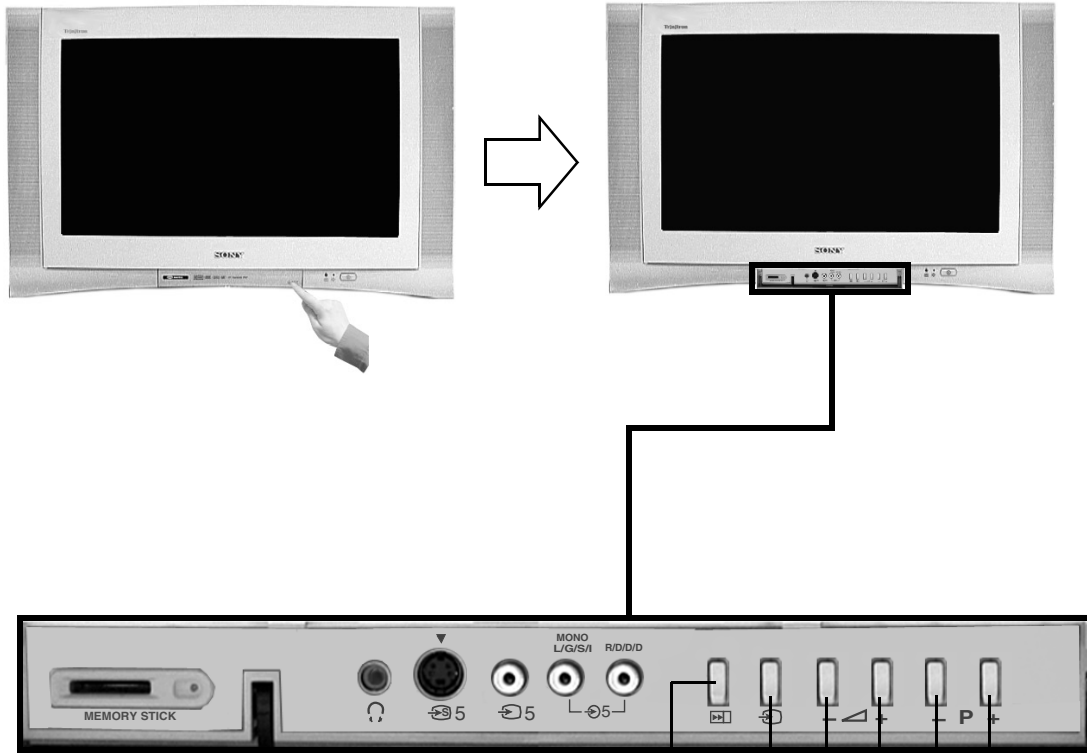
Note: If the ◀ MODE ▶ button is set to VCR you can use this button to select double digit channel numbers, e.g. press the 0 button then press 2 and 3 for channel 23.
- 19 Multi PIP button**
Press to enter Multi Picture In Picture (Multi PIP) mode. Refer to 'Multi Picture In Picture (Multi PIP)' for details.
- 20 Screen Mode button**
Press repeatedly to change the screen mode. Refer to 'Screen Mode' for details.
- 21 Text button**
Press to switch Text on or off. Refer to the 'Text' section for details.
- 22 Menu button**
Press to enter the menu system of this TV. Refer to 'Using the TV menu system' for details.
- 23 Programme buttons**
In TV Mode: Press to display the next (+) or previous (-) channel.
In Text Mode: Press to select the next (+) or previous (-) Text page.

Coloured buttons
The 'Picture Mode', 'Sound Mode', 'Multi Picture In Picture (Multi PIP)' and 'Screen Mode' buttons can also be used as Fastext buttons. Refer to the 'Text' section for details.

Overview of the TV buttons

Accessing the control panel

The TV buttons can be found on the control panel on the front of the TV.



Auto Start up button
Press to start the auto start up sequence.

Video input button
Press to select signals from equipment connected to the TV sockets (refer to 'Connecting other equipment to the TV' for details).

Volume buttons
Press to increase (+) or decrease (-) the volume.

Programme buttons
Press to display the next (+) or previous (-) channel.

Note: For information on the front panel connectors, refer to 'Connecting other equipment to the TV'.

8 Basic Operation






Text



Most TV channels provide a Text service. Please ensure you are receiving a good signal or some Text errors may occur.

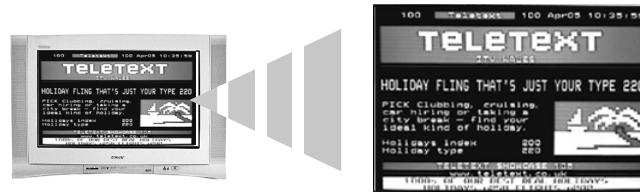
Viewing Text




1. Select the TV channel which carries the Text service you want to view.

2. Press the  button on the remote control to enter Picture and Text (P&T) mode. The screen is divided in two with the Text display on the left and the TV channel in the right corner.
Note: In P&T mode press the  button followed by **PROG+/-** to change the channel on the TV screen. Press the  button again to resume normal text reception.
 Press the  button a second time to enter full screen Text mode.
 Press the  button a third time to enter Mix mode.






3. Press the numbered buttons on the remote control to enter the three digits of the page number you wish to view. Alternatively, press the  or  buttons to view the previous or next page. After a short time the page appears on screen.



4. Enter more 3 digit page numbers as required.

5. Press the  button on the remote control at any time to exit Text mode.


How to use Text features

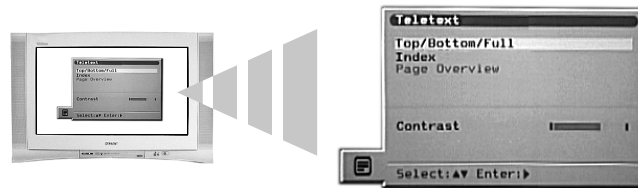
Feature	How to use
Sub-page Some pages contain sub-pages which follow on automatically. This feature allows you to directly access the required sub-page.	Press the  or  buttons to select the required sub-page.
Hold This feature allows you to hold the current page until you are ready to proceed.	Press the  button to hold the page currently being displayed. Press again to cancel.
Fastext Fastext allows you to access pages quickly and easily. When Fastext is available, four coloured items appear at the bottom of the screen.	Press the corresponding coloured button on the remote control to access the required page.
Page Catching This feature allows you to jump quickly from one page to another.	When viewing a page that contains several page numbers (e.g. the index page), press the OK button. Press the  or  buttons to highlight the page number required. Press the OK button to confirm. Your chosen page appears on the TV screen.





Text menu

The Text menu gives you access to more Text features.












1. Select the TV channel which carries the Text service you want to view.
2. Press the  button on the remote control to enter Text mode.
3. With Text displayed on the TV screen, press the **MENU** button to display the 'Teletext' menu.



4. Press the  or  buttons to highlight the feature you require. Press the  button to select.
5. Press the **MENU** button to remove the 'Teletext' menu from the TV screen.
6. Press the  button to exit Text.


The following table explains each feature:

Feature	How to use
Top/Bottom/Full This feature allows you to enlarge sections of the displayed Text page.	Press the  button to enlarge the top part of the page. Press the  button to enlarge the bottom part of the page. Press the OK button to return the page to normal size. Press the MENU button to return to the 'Teletext' menu.
Index Most Text services contain an index page which lists all the available pages and their 3 digit page number. This feature automatically displays the index page.	Press the  button to display the index page.
Page Overview (only for TOPTeXt broadcasts) TOPTeXt offers an alternative version of Text where the pages are divided into two columns. The first column shows 'blocks' of pages and the second column shows 'groups' of pages.	Press the  or  button to select the required column. Press the  or  button to select the required 'block' or 'group' of pages. Press the OK button to display the chosen page.
Contrast This feature allows you to adjust the contrast of Text pages.	Press the  or  button to increase or decrease the contrast. Press the OK button to confirm your choice.


Multi Picture In Picture (Multi PIP)

This feature displays 13 different channels simultaneously on screen. From this display you can select which channel you wish to view.



1. Press the  button to enter Multi PIP mode.




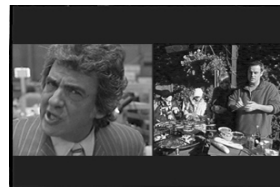
2. Press the **PROG +/-** buttons repeatedly to select the next or preceding 12 channels.
3. Press the **↑, ↓, ←, or →** buttons to move around the 13 displayed channels.
4. Press the **OK** button to select the framed channel. This channel now moves to the centre.
5. Press the **OK** button again to view the selected channel or press the  button to exit Multi PIP mode.


Picture And Picture (PAP)





This feature divides the screen in two for watching two channels simultaneously. The sound of the left screen comes through the TV loudspeakers while the sound from the right screen is selectable via headphones.



1. Press the  button to enter PAP mode.



2. Refer to the table below for explanations of each option.
3. Press the  button to exit PAP mode.

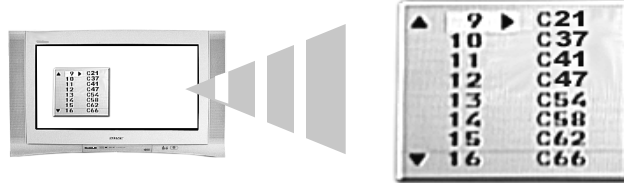
Option	How to use
Selecting sound for the headphones	With the TV in PAP mode set the '  Dual Sound' feature to 'PAP' (Refer to 'Sound Adjustment menu' section for more information.)
Changing the channel of the left screen	Press the numbered buttons or PROG +/- buttons to select the required channel. Alternatively, press the  button to view pictures from equipment connected to the AV sockets of the TV.
Changing the channel of the right screen	Press the ↑ button. The ↑ symbol appears in the right screen. Press the numbered buttons or PROG +/- buttons to select the required channel. Alternatively, press the  button to view pictures from equipment connected to the AV sockets of the TV.
Swapping screens	Press the  button to swap the screens.
Zooming the screens	Press the ← or → buttons to change the size of the two screens.

The Programme Index table

The 'Programme Index table' is a quick and easy way to search for a channel you wish to view.



1. Press the **OK** button to display the 'Programme Index table' on screen.




2. Press the **↓** or **↑** button to highlight the channel you wish to view.
3. Press the **▶** button to display your chosen channel on the TV screen or press the **OK** button to return to normal TV operation.

Screen Mode

The pictures that the TV receives may be in one of several formats (eg conventional 4:3 format, 16:9 widescreen format). You can alter the TV screen mode manually to suit the broadcast you are watching*.



1. Press the  button repeatedly to select one of the following modes:



Wide: for 16:9 broadcasts



4:3: for conventional 4:3 broadcasts



Smart: imitation of wide screen effect for 4:3 broadcasts.



14:9: compromise between 4:3 and 16:9 picture size.



Zoom: widescreen format for letterbox movies

Note: In Smart, Zoom and 14:9 modes parts of the top and bottom of the screen are cut off. Press **↓** or **↑** to adjust the position of the image on screen (eg to read subtitles) then press the **OK** button to confirm.

2. Press the **OK** button to confirm your selection.


NexTVView Electronic Programme Guide (EPG)

The NexTVView Electronic Programme Guide (EPG) provides you with programming information from different broadcasters, depending on availability of service.

Selecting your NexTVView provider

Your TV automatically selects the best NexTVView provider for you. This service is available about 30 minutes after you automatically tune the TV. You can however change this selection if you wish.




1. Press the **MENU** button on the remote control to display the menu on the TV screen.
2. Press the **▲** or **▼** buttons to select the  symbol. Press the **▶** button to enter the 'Set Up' menu.
3. Press the **▲** or **▼** buttons to highlight 'Select NexTVView' then press **▶** to confirm. A list is displayed containing all available NexTVView providers.
4. Press the **▲** or **▼** buttons to highlight the desired NexTVView provider*.
5. Press the **OK** button to confirm and store your selection.
6. Press the **MENU** button to return to normal TV operation.


Notes: *Select the '-----' option to receive the EPG service provided by the current TV channel. When you change the TV channel the EPG from the new channel is automatically loaded (if an EPG service is available).

Displaying and using NexTVView



1. Press the  button on the remote control to display NexTVView on the TV screen. In some cases you may also need to press the **◀** button to display the Sony electronic programme guide.



2. Press the **▲**, **▼**, and **▶** buttons to move the cursor around the screen.
3. Press the **OK** button to confirm a selection.
 - a) If you press the **OK** button in date, time or icon (themes) columns the programme list changes according to the selection.
 - b) If you press the **OK** button in the programme list the selected programme is displayed. If, however, the programme is not currently being broadcast, the 'Long Info' menu is displayed (see next page).
4. Press the  button on the remote control to exit NexTVView.

Using the 'Individual Setting' menu

You can set this menu so that only the programme types you wish to view are displayed in the programme list column.



1. Select the ☺ icon in the NexTVView menu. Press the ➡ button to display the 'Individual Setting' menu.
2. Press the ▲ or ▼ buttons to select the programme type you require. Press the **OK** button to confirm your choice.
3. Repeat Step 2 for all the programme types you wish to have in your list.
4. Press the ➡ button to select the ↩ icon on the menu. Press the **OK** button to return to the previous menu.
5. Press the ▲ or ▼ buttons to select the ☺ icon again. Press the **OK** button to activate your 'Individual Setting' choices.

Using the 'Long Info' menu

This feature allows you to set timers and record selected programmes.



1. Press the ▲ or ▼ buttons to select a future programme from the programme list.
2. Press the **OK** button to display the 'Long Info' menu.



3. Press the ▲ or ▼ buttons to highlight the option you require.
4. Press the ➡ button to select the ↩ icon. Press the **OK** button to return to the previous menu.

The following table explains each option:

Option	How to use
To set the timer	Press the ◀ or ▶ button to highlight the ⌚ symbol. Press the OK button to set the timer. Once the timer is set a clock symbol appears by the programme in the NexTVView menu. Shortly before the programme starts, a message appears asking whether you still wish to view the programme.
To view the timer table	Press the ◀ or ▶ button to highlight the 📅 symbol. Press the OK button to switch the timer table On or Off. This table can display up to 5 timed programmes you have set.
To record a programme (only for Smartlink VCRs)	Press the ◀ or ▶ button to highlight the 📺 symbol. Press the OK button to download the programme information to the VCR. You can then set up the following options: VPS/PDC Press the ◀ button to select VPS/PDC. Press the OK button to select On or Off. When set to On you will not miss any of the recording should there be a change in the TV programme schedule. This only works if the selected channel broadcasts a VPS/PDC signal. Speed Press the ▼ button to select Speed. Press the OK button to select SP for standard play or LP for long play. With long play you can record twice as much on a videotape. The picture quality however may suffer. VCR Setup Press the ▼ button to select VCR Setup. Press the OK button to select which VCR you wish to programme. Choose between VCR1 and VCR2.

Using the TV menu system

This TV contains a menu system which is based on a series of on screen displays. These displays help you get the most from your TV, from customising the picture and sound to accessing advanced features. Use the following buttons on the remote control to operate the TV menu system.

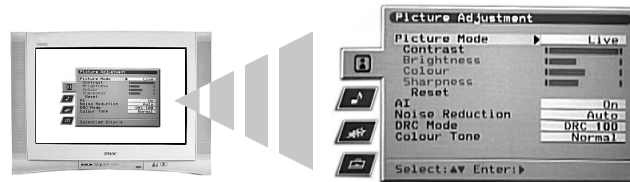


1. Press the **MENU** button to display the main menu.

2. Use the following buttons to operate the menu:
 - Press the **↓** or **↑** buttons to highlight the required menu or option.
 - Press the **→** button to enter the required menu or option.
 - Press the **←** button to return to the last menu or option.
 - Press the **↓**, **↑**, **←** or **→** buttons to alter the settings of the selected option.
 - Press the **OK** button to confirm and store your selection.

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

Picture Adjustment menu



This menu allows you to customise the picture. Highlight the required option and press **→** to select. The table below explains each option and how to use it.



Option	How to use
Picture Mode This option allows you to select one of four picture modes. The Live, Movie and Game modes are preset and only Contrast can be adjusted. The Personal mode, however, also allows you to adjust the Brightness, Colour and Sharpness options.	Press ↑ or ↓ to select Live, Personal, Movie or Game. Press OK to confirm.
Contrast, Brightness, Colour, Sharpness These options allow you to adjust the contrast, brightness, colour and sharpness. Note: Brightness, Colour and Sharpness can only be adjusted when Picture Mode is set to Personal.	Press ← or → to set the levels. Press OK to confirm.
Reset This option resets all picture settings to the factory preset levels.	Press → to restore default picture settings.
AI (Artificial Intelligence) This option monitors the picture and limits any sudden increases in Brightness and Contrast.	Press ↑ or ↓ to select On or Off. Press OK to confirm.
Noise Reduction Sometimes a weak signal can produce a snowy picture (called Picture Noise). This option can help to reduce this effect.	Press ↑ or ↓ to select High, Mid, Low, Auto or Off. Press OK to confirm.
DRC Mode DRC (Digital Reality Creation) Mode allows you to enjoy higher quality pictures on your TV. The settings available are: Off: Basic 100Hz picture quality. DRC 50: Improved picture resolution. DRC 100: Optimum picture resolution.	Press ↑ or ↓ to select Off, DRC 50 or DRC 100. Press OK to confirm.
Colour Tone This option allows you to alter the tint of the picture. The settings available are: Warm: Gives the white colours a red tint. Normal: Gives the white colours a neutral tint. Cool: Gives the white colours a blue tint.	Press ↑ or ↓ to select Warm, Normal or Cool. Press OK to confirm.

Sound Adjustment menu



This menu allows you to customise the sound. Highlight the required option and press \blacktriangleright to select. The table below explains each option and how to use it.



Option	How to use
Sound Effect This option allows you to select one of four sound modes.	Press \uparrow or \downarrow to select Personal, Dolby V*, Dynamic** or Natural**. Press OK to confirm.
Equaliser Adjustment This option allows you to customise the sound by adjusting five frequency bands. Note: This feature is only available when Sound Effect is set to Personal.	Press \leftarrow or \rightarrow to select the required band. Press \uparrow or \downarrow to adjust the frequency level. Press OK to confirm.
Virtual Effect This option allows you to adjust the level of the surround sound effect when listening to a Dolby surround sound broadcast. Note: This option is only available when Sound Effect is set to Dolby V.	Press \leftarrow or \rightarrow to set the level of effect. Press OK to confirm.
Balance This option allows you to set the balance of sound between the left and right speakers.	Press \leftarrow or \rightarrow to set the balance. Press OK to confirm.
Auto Vol. Control Sometimes the broadcast volume level changes (e.g. adverts tend to be louder than programmes). This option allows you to cancel this effect, giving a constant volume level.	Press \uparrow or \downarrow to select Off or On. Press OK to confirm.
Dual Sound When receiving a bilingual broadcast: This option allows you to choose which language to listen to. When receiving a stereo broadcast: This option allows you to choose between mono or stereo sound.	When receiving a bilingual broadcast: Press \uparrow or \downarrow to select A to listen to the first language or B to listen to the second language. Press OK to confirm. When receiving a stereo broadcast: Press \uparrow or \downarrow to select Mono or Stereo. Press OK to confirm.
Audio-out Vol. This option allows you to simultaneously set the volume level for the headphone socket and the volume level of the Audio output sockets on the rear of the TV.	Press \leftarrow or \rightarrow to set the volume for the headphone and Audio output sockets. Press OK to confirm.
Dual Sound This option allows you to alter the sound settings when the TV is in PAP mode. The settings available are: Stereo: The sound from one screen is output to both the TV loudspeakers and the headphones. PAP: The sound from the left screen is output to the TV loudspeakers and the sound from the right screen is output to the headphones.	Press \uparrow or \downarrow to select Stereo or PAP. Press OK to confirm.

Notes:

- * When 'Dolby V' is selected, the TV simulates the full effects of Dolby Pro Logic Surround sound without the need for additional speakers. Manufactured under license from Dolby Laboratories. 'Dolby', 'Pro Logic' and the double D symbol are trademarks of Dolby Laboratories.
- ** 'Natural' and 'Dynamic' are functions of the 'BBE High Definition Sound System'. This system enhances clarity, detail, presence of sound and increases musical realism.

Features menu

This menu allows you to set the sleep timer and to set a signal to be output from the AV3 socket. The table below explains each option and how to use it:



<p>Auto Format With this option switched on, the TV can automatically adjust the picture size to suit the broadcast.</p>	Press ▲ or ▼ to select 'On' or 'Off'. Press OK to confirm.
<p>Format Correction* (*only if 'Auto Format' is switched on) When viewing 4:3 or 14:9 broadcasts there will be dark areas visible at the edge of the screen. The settings available are: Off: Dark areas remain on the TV screen. On: The TV automatically switches to Smart mode, eliminating any dark areas on the TV screen.</p>	Press ▲ or ▼ to select 'On' or 'Off'. Press OK to confirm.
<p>Sleep Timer This option allows you to set a period of time after which the TV switches itself into standby mode. This can be in 10 minute intervals up to a maximum of 90 minutes.</p>	Press ▲ or ▼ to select the period of time required. Press OK to confirm.
<p>AV3 Output This option allows you to set which signal source is output from the AV3 scart socket (labelled 3/3) on the rear of the TV. If you connect a VCR to this socket you can record from equipment connected to the other sockets of the TV. The settings available are: TV: Outputs the TV signal. AV1: Outputs the signal from equipment connected to the 1 socket on the rear of the TV. AV2: Outputs the signal from equipment connected to the 2 socket on the rear of the TV. AV3: Outputs the signal from equipment connected to the 3/3 socket on the rear of the TV. AV4: Outputs the signal from equipment connected to the 4/4 socket on the rear of the TV. AV5: Outputs the signal from equipment connected to the 5/5 socket on the front of the TV.</p>	Press ▲ or ▼ to select TV, AV1, AV2, AV3, AV4 or AV5. Press OK to confirm.

Set Up menu

This menu contains advanced features that allow you to customise the TV. The options are:

Auto Tuning

All the available channels were tuned in when the TV was first installed. The 'Auto Tuning' option in the 'Set Up' menu allows you to repeat that process (e.g. to re-install the TV at an alternative location or search for new channels that have been launched by broadcasters). With the 'Auto Tuning' option highlighted, press **▶** to select. The autotune prompt appears on screen. Press **OK** to start the auto tuning process. When all available channels have been tuned the TV returns to normal operation.

Programme Sorting

The 'Programme Sorting' option in the 'Set Up' menu allows you to change the order in which the channels are stored on the TV. With the 'Programme Sorting' option highlighted, press **▶** to enter the 'Programme Sorting' menu. Press **▼** or **▲** to highlight the channel you wish to move to a new position, then press **▶** to select. Press **▼** or **▲** to highlight the new position for your channel, then press **OK**. Your chosen channel has now moved to the new position. Repeat to move other channels if required.

Select NextView

With the 'Select NextView' option highlighted, press **▶** to enter the 'Select NextView' menu. Refer to 'NextView Electronic Programme Guide (EPG)' for details.

AV Preset

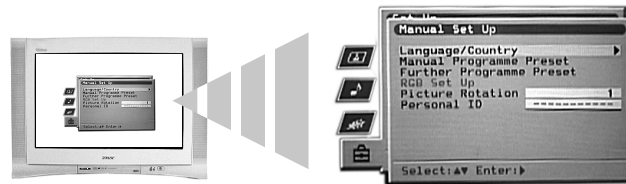
The 'AV Preset' option in the 'Set Up' menu allows you to assign a name to any equipment connected to the AV sockets of the TV. The name is displayed briefly on screen when the equipment is selected. With the 'AV Preset' option highlighted, press **▶** to enter the 'AV Preset' menu. Press **▼** or **▲** to highlight the socket you wish to name. Press **▶** to select the AUTO FORMAT column. Press **▼** or **▲** to select 'Off' or 'On'. (For more details on Auto Format, refer to 'Features menu'). Press **▶** to select the LABEL column. Press **▼** or **▲** to select the first character. Press **▶** to confirm this character. Select the other characters in the same way (up to a maximum of five characters). After selecting all required characters, press **OK** to store.

Manual Set Up

With the 'Manual Set Up' option highlighted, press **▶** to enter the 'Manual Set Up' menu. The 'Manual Set Up' menu is explained on the following page.



Manual Set Up menu



This menu gives you access to more advanced features. The options are:

Language/Country

When you first installed the TV you were asked to select your language and country. The 'Language/Country' option in the 'Manual Set Up' menu allows you to change these settings. With the 'Language/Country' option highlighted, press **▶** to enter the 'Language/Country' menu. Press **▼** or **▲** to select 'Language' or 'Country'. Press **▶** to select. Press **▼** or **▲** to highlight the required setting. Press **OK** to confirm.

Manual Programme Preset

With the 'Manual Programme Preset' option highlighted, press **▶** to enter the 'Manual Programme Preset' menu. The 'Manual Programme Preset' menu is explained on the following page.

Further Programme Preset

With the 'Further Programme Preset' option highlighted, press **▶** to enter the 'Further Programme Preset' menu. The 'Further Programme Preset' menu is explained on page 20.

RGB Set Up

When viewing signals from RGB equipment connected to the AV1 or AV2 sockets (e.g. DVD player, PlayStation) the picture may need adjusting. The 'RGB Set Up' option in the 'Manual Set Up' menu allows you to adjust the size and horizontal picture position of signals from RGB equipment. With the 'RGB Set Up' option highlighted, press **▶** to enter the 'RGB Set Up' menu. Press **▶** to select H Centre. Press **▼** or **▲** to centralise the picture over a range of -10 to +10. Press **OK** to store. Press **▼** to select H Size. Press **▼** or **▲** to adjust the picture size over a range of -10 to +10. Press **OK** to store.

Note: If there is no RGB equipment connected to either the AV1 or AV2 scart sockets the 'RGB Set Up' option will not be available.

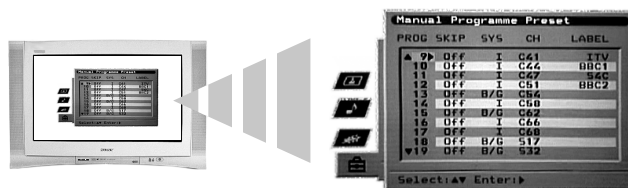
Picture Rotation

Due to the Earth's natural magnetism the picture might slant slightly. The 'Picture Rotation' option in the 'Manual Set Up' menu allows you to cancel out this effect. With the 'Picture Rotation' option highlighted, press **▶** to select. Press **▼** or **▲** to rotate the picture over a range of -5 to +5. Press **OK** to store.

Personal ID

The 'Personal ID' option in the 'Manual Set Up' menu allows you to enter a code which could help to trace you should the TV be stolen and recovered. This code can only be entered once - please make a note of it and keep it safe. With the 'Personal ID' option highlighted, press **▶** to select. Press **▼** or **▲** to display the first character of the code you wish to use. Press **▶** to select. Repeat until all characters have been entered. Press **OK** to store. A confirmation screen is displayed. Press **OK** to confirm.

Manual Programme Preset menu



The 'Manual Programme Preset' option in the 'Manual Set Up' menu allows you to manually tune in channels. With the 'Manual Programme Preset' option highlighted, press **▶** to enter the 'Manual Programme Preset' menu. Press **▼** or **▲** to highlight the channel you wish to tune. Press **▶** twice to select the SYS column. Press **▼** or **▲** to select 'I' for the TV broadcast system or EXT for an external input source). Press **▶** to confirm and select the CH column. Press **▼** or **▲** to select the channel tuning (C for terrestrial channels, S for cable channels or F for direct frequency input). Press **▶** to confirm. You now need to tune the channel by one of the following methods:

- If you know the channel number of the TV broadcast, the VCR test signal or the frequency:
Press the **numbered** buttons on the remote control to enter the channel number. Press **OK** to store.
- If you do not know the channel number:
Press **▼** to select SEARCH. The TV set automatically searches for the next available TV broadcast channel or the VCR test signal. When a channel has been found press either **OK** to store or **▼** to continue searching.
- For external input sources (EXT):
Press **▼** to select AV1, AV2, AV3, AV4 or AV5 depending on which socket you have connected your equipment to. Press **OK** to store.

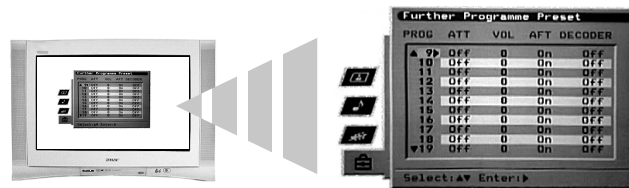
Labelling a channel

Names for channels are usually taken automatically from Teletext (if available). This name will be displayed briefly on screen when the channel is selected. The 'LABEL' option in the 'Manual Programme Preset' menu allows you to assign a name of your choice up to 5 characters or numbers. With the 'Manual Programme Preset' option highlighted, press **▶** to enter the 'Manual Programme Preset' menu. Press **▼** or **▲** to highlight the channel number you require. Press **▶** repeatedly to select the LABEL column. Press **▼** or **▲** to select the first character. Press **▶** to confirm this character. Select the other characters in the same way. After selecting all required characters, press **OK** to store.

Skipping a channel

The 'SKIP' option in the 'Manual Programme Preset' menu allows you to skip unused channel positions when selecting channels with the **PROG+/-** buttons. However, you can still select skipped channels by using the **numbered** buttons on the remote control. With the 'Manual Programme Preset' option highlighted, press **▶** to enter the 'Manual Programme Preset' menu. Press **▼** or **▲** to highlight the channel number you require. Press **▶** to select the SKIP column. Press **▼** to select On (select Off to remove the SKIP feature). Press **OK** to store.

Further Programme Preset menu



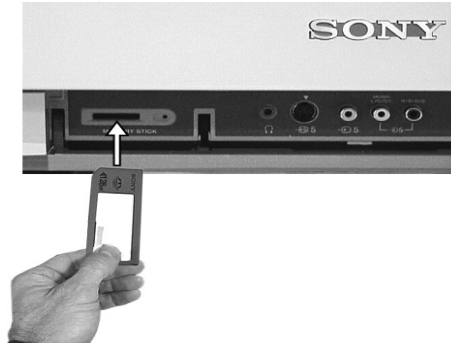
The 'Further Programme Preset' option in the 'Manual Set Up' menu allows you to obtain a better picture if there is interference, set the volume level of an individual channel, fine tune the TV and set up a channel for viewing signals from a Decoder. With the 'Further Programme Preset' option highlighted, press **▶** to enter the 'Further Programme Preset' menu. Press **▼** or **▲** to highlight the channel number you require. Press **▶** repeatedly to select one of the following options:

- (a) **ATT** (RF Attenuator). This allows you to improve the picture if there is interference from other channels. Press **▼** to select On. Press **OK** to store.
- (b) **VOL** (Volume Level Offset). This allows you to set the volume level for an individual channel. Press **▼** or **▲** to adjust the volume level over a range of -7 to +7. Press **OK** to store.
- (c) **AFT** (Automatic Fine Tune). This allows you to fine tune a channel. Press **▼** or **▲** to select On. Alternatively, press **▼** or **▲** to manually adjust the tuning frequency over a range of -15 to +15. Press **OK** to store.
- (d) **DECODER**. This allows you to set a channel for viewing scrambled signals (e.g. from a pay TV decoder). Press **▼** or **▲** to select AV1 or AV3 depending on which socket the equipment is connected to. Press **OK** to store. The unscrambled signal now appears on the selected channel.

Viewing Memory Stick pictures

A 'Memory Stick'* is a new recording medium with a data capacity that exceeds a floppy disk. It is specially designed for exchanging and sharing digital data among 'Memory Stick' compatible products. Use 'Memory Stick' to display JPEG pictures (DCF version 1.0 format)** individually or as a slideshow presentation on the TV screen. Because it is removable, 'Memory Stick' can also be used for external data storage.

Inserting 'Memory Stick'



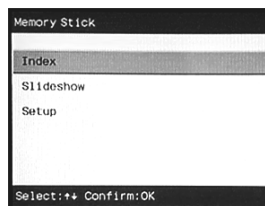
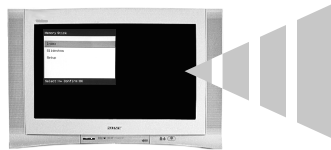
Insert a memory stick into the front control panel of the TV set until it clicks into the connector. The ▲ symbol must be facing forwards. The red light flashes indicating that the memory stick contents are being read.

Removing 'Memory Stick'



Confirm that the red light is off. Push the memory stick and then release, the memory stick will spring out. Remove the memory stick.

The 'Memory Stick' menu



The 'Memory Stick' menu is displayed automatically when you insert the memory stick into your TV set. Alternatively, if there is a memory stick already inserted, press the **MEMORY STICK** button on the remote control to display the menu screen. There are 3 options available, namely 'Index', 'Slideshow' and 'Setup'.

Notes:

* 'Memory Stick' and the  logo are trademarks of Sony Corporation.

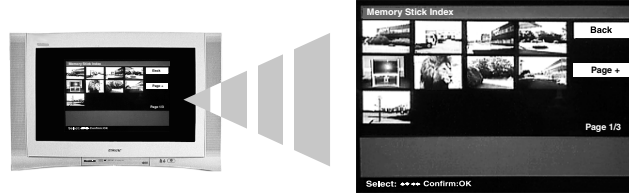
** DCF (Design rules for Camera File systems) is a standard file name format for digital still cameras, DV camcorders etc. It is supported by SONY and other manufacturers.

Index

This feature enables you to view on screen the JPEG DCF format pictures from your memory stick.



1. Press the **MEMORY STICK** button on the remote control to display the 'Memory Stick' menu on the TV screen.



2. Press the **↑** or **↓** button to highlight 'Index' then press the **OK** button to display the 'Memory Stick Index' screen.

3. Press the **↓**, **↑**, **←** or **→** buttons to highlight the required picture, then press the **OK** button to display the picture fully on the TV screen.

Note: Only a limited number of pictures can be displayed on the Index screen at one time. If your required picture is not visible, highlight 'Page +' then press the OK button to view the next set of pictures. Press the **↓**, **↑**, **←** or **→** buttons to select your desired picture then press the OK button to view.

4. Use the **↓**, **↑**, **←** or **→** buttons to highlight 'Back'. Press the **OK** button to return to the 'Memory Stick' menu or press the **□** button at any time to return to normal TV operation.

Slideshow

This feature allows you to display all the memory stick pictures as a slideshow presentation on the TV screen.



1. Press the **MEMORY STICK** button on your remote control to display the 'Memory Stick' menu on the TV screen.



2. Press the **↑** or **↓** button to highlight Slideshow.

3. Press the **OK** button to start the slideshow. (To change the length of time an image is displayed refer to the 'Setup' section on the following page.)

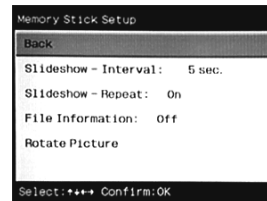
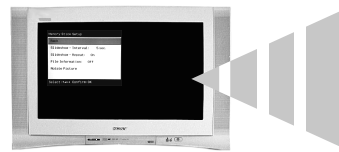
4. Press the **OK** button during the slideshow to return to the 'Memory Stick' menu. Press the **□** button to return to normal TV operation.

Setup

This feature allows you to (1) set the length of time for a picture to be displayed during a slideshow, (2) set a slideshow to continuously repeat, (3) display file information and (4) rotate a picture on screen.



1. Press the **MEMORY STICK** button on the remote control to display the 'Memory Stick' menu on the TV screen.
2. Press the **▲** or **▼** button to highlight 'Setup' then press the **OK** button to display the 'Memory Stick Setup' menu.



3. Press the **▼** or **▲** button to highlight the option you require. The table below explains each option and its function.
4. Press the **□** button to return to normal TV operation.

Option	How to use
Back Use this option to return to the 'Memory Stick' menu.	With 'Back' highlighted, press the OK button to return to the 'Memory Stick' menu.
Slideshow - Interval This option allows you to set the length of time a picture is displayed during a slideshow.	With 'Slideshow - Interval' highlighted, press the OK button to adjust. Press the ▼ or ▲ button to select 5 sec, 10 sec, 1 min, 5 min or 15 min, then press the OK button to confirm your choice.
Slideshow - Repeat This option allows you to set a slideshow to continuously repeat.	With 'Slideshow - Repeat' highlighted, press the OK button to adjust. Press the ▼ or ▲ button to select 'On' or 'Off' then press the OK button to confirm.
File Information This option enables you to display information about the picture during a slideshow.	Highlight 'File Information' then press the OK button to adjust. Press the ▼ or ▲ button to select 'On' or 'Off' then press the OK button to confirm your choice.
Rotate Picture This option allows you to rotate the picture on screen.	Highlight 'Rotate Picture' then press the OK button to display the 'Rotate Picture' screen. Press the ▼ , ▲ , ◀ or ▶ buttons to highlight the required image. Press the OK button to rotate the picture. When ready, press the ▼ , ▲ , ◀ or ▶ buttons to highlight 'Back' then press the OK button to return to the 'Memory Stick Setup' menu.

Adjusting settings of Memory Stick pictures

You can adjust the contrast, brightness, colour and sharpness settings of memory stick pictures when displaying them on the TV screen.



1. Display a memory stick picture on screen (see 'Index' section on page 22).



2. Press the **MENU** button to display the 'Picture Adjustment' menu.
3. Press the **▶** button to enter the 'Picture Adjustment' menu. Press the **↓** or **↑** button to highlight the option you require*. Press the **▶** button to select.

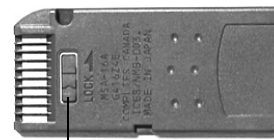
Note: *Only the 'Contrast' 'Sharpness', 'Brightness' and 'Colour' options are available when accessing the 'Picture Adjustment' menu whilst in Memory Stick mode.
4. Press the **◀** or **▶** button to set the level. Press the **OK** button to confirm.
5. Press the **MENU** button to remove the 'Picture Adjustment' menu from the TV screen.
6. Press the **□** button to return to normal TV operation.

Note: All the picture settings return to their normal levels when you press the **□** button.

'Memory Stick' precautions



Label

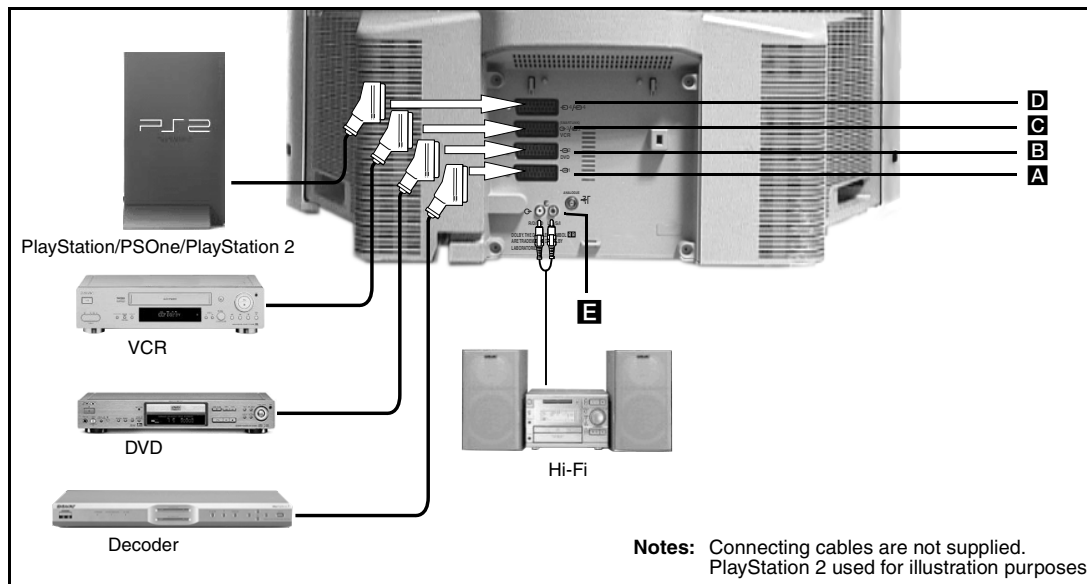


Erasure prevention switch

- **Do not remove** the 'Memory Stick' while it is reading or writing data.
- We recommend that you make a backup copy of important data that you record on the 'Memory Stick'.
- When you set the 'Memory Stick' erasure prevention switch to 'LOCK', data cannot be recorded, edited, or erased.
- Data may become damaged if:
 - you remove the 'Memory Stick' or turn off the TV while it is reading or writing data.
 - you use the 'Memory Stick' in a location subject to the effects of static electricity or electric noise.
- Do not attach anything other than the supplied label to the 'Memory Stick' labelling position.
- Attach the label so that it does not stick out beyond the labelling position.
- Carry and store the 'Memory Stick' in its case.
- Do not touch the connector of the 'Memory Stick' with your finger or any metallic object.
- Do not strike, bend, or drop the 'Memory Stick'.
- Do not disassemble or modify the 'Memory Stick'.
- Do not allow the 'Memory Stick' to get wet.
- Do not use or store the 'Memory Stick' in a location that is:
 - extremely hot, such as in a car parked in the sun.
 - under direct sunlight.
 - very humid or subject to corrosive substances.
- 'Memory Stick' supports JPEG DCF formatted files only. Any files not recognised as DCF format will be displayed as "-----". JPEG DCF formatted files that have been created or modified on a PC may not appear correctly on the TV screen.

Connecting other equipment to the TV

The following illustration explains how to connect a wide range of audio and video equipment to the rear of the TV.



1. Connect your equipment as shown in the above illustration.
2. Press the button on the remote control until the correct symbol for your equipment appears on the TV screen (see table below).

On Screen Symbol	Input Signals
	For equipment connected to socket A .
	For equipment connected to socket B .
	For equipment connected to socket C .
	For equipment connected to socket D .

3. Switch on the connected equipment. The picture (if any) from this equipment appears on the TV screen.
4. Press the button to return to normal TV operation.

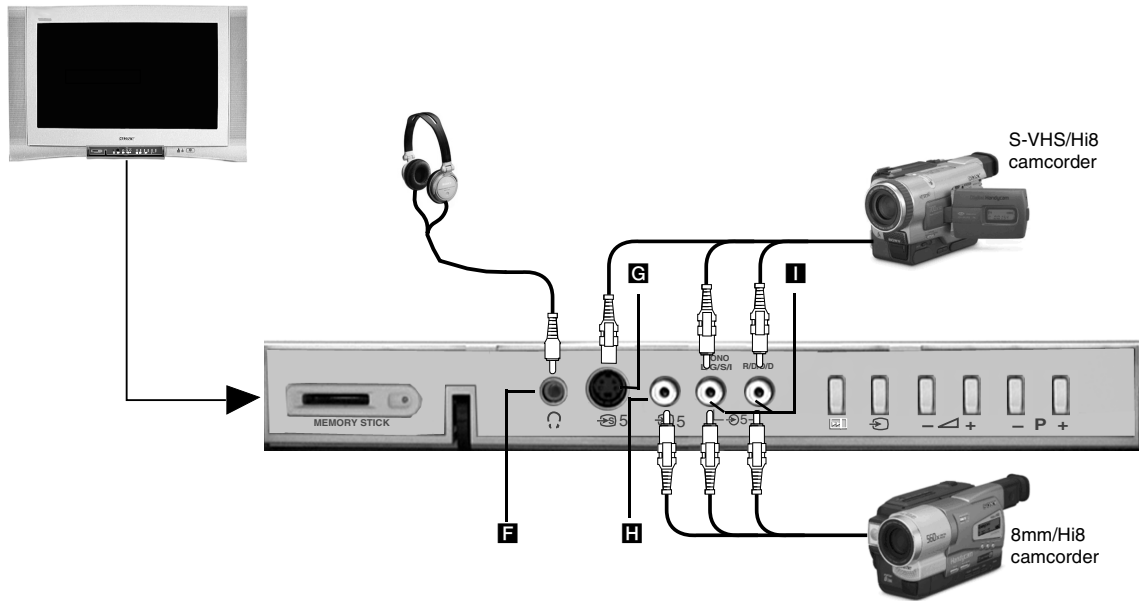
Connecting a Smartlink VCR

Smartlink is a direct link between the TV and VCR. For more information on Smartlink, please refer to your VCR instruction manual. Ensure that your Smartlink VCR is connected to the **C** socket, using a fully-wired 21 pin Scart lead.

Connecting external audio equipment

Connect your Hi-Fi system to the **E** sockets on the rear of the TV. Use the 'Audio-out Vol.' option in the 'Sound Adjustment' menu to adjust the volume level.

The following illustration explains how to connect equipment to the front control panel of the TV.



Note: Connecting cables are not supplied.



1. Connect your equipment as shown in the above illustration.
2. Press the button on the remote control until the correct symbol for your equipment appears on the TV screen (see table below)

On Screen Symbol	Input Signals
	For equipment connected to socket H and I .
	For equipment connected to socket G and I .

3. Switch on the connected equipment. The picture (if any) from this equipment appears on the TV screen.
4. Press the button to return to normal TV operation.

Note: To avoid picture distortion do not connect equipment to the **G** and **H** sockets at the same time.

Connecting headphones

Connect your headphones to the **F** socket. Use the /Audio-out Vol.' option in the 'Sound Adjustment' menu to adjust the volume level.

Remote control of other equipment

The remote control supplied with your TV operates not only Sony VCRs and DVD players, but also those made by other manufacturers. The following instructions guide you through the set up procedure.



1. Find the 3 digit code for your brand from the list below.
2. Press the ◀ MODE ▶ button on the remote control until either the green VCR light or the green DVD light illuminates.
3. With the required green light illuminated, press and hold down the **YELLOW** button for approximately 6 seconds, until this light starts to flash.
4. Use the **numbered** buttons to enter the 3 digit code for your VCR or DVD. Once a correct number has been entered, all the green VCR, TV and DVD lights illuminate together momentarily.
5. Turn on your VCR or DVD and check that the remote control operates the main functions. If not, repeat steps 2 - 4 and enter the next 3 digit code allocated to your brand of VCR or DVD.
6. When you wish to use the remote control to operate the TV again, press the ◀ MODE ▶ button until the TV green light illuminates. Don't forget to select VCR or DVD using the ◀ MODE ▶ button every time you wish to operate that equipment with this remote control.

Note: The brand codes you set may be lost if weak batteries are not replaced immediately. Should this happen, use the above procedure to re-enter the code. A small label has been attached to the inside of the battery cover for you to make a note of your brand codes. Not all brands and models of VCRs and DVDs are covered in this list, however, Sony will endeavour to update the software periodically. Please refer to the code table provided with your remote control.

VCR Brand List		DVD Brand List	
Brand	Code	Brand	Code
SONY (VHS)	001	SONY	001
SONY (BETA)	021	AIWA	021
SONY (DVD)	018, 027, 020, 002	DENON	018, 027, 020, 002
AIWA	009, 028, 023, 024, 016, 003	GRUNDIG	009, 028, 023, 024, 016, 003
AKAI	025, 026, 015, 004	HITACHI	025, 026, 015, 004
DAEWOO	006, 017	JVC	006, 017
GRUNDIG	008	KENWOOD	008
HITACHI	015, 014	LG	015, 014
JVC	009, 028, 023, 024, 016, 003	LOEWE	009, 028, 023, 024, 016, 003
LG	013, 016	MATSUI	013, 016
LOEWE	022	ONKYO	022
MATSUI	018, 027, 020, 002	PANASONIC	018, 027, 020, 002
ORION	009, 028, 023, 024, 016, 003	PHILIPS	009, 028, 023, 024, 016, 003
PANASONIC	004	PIONEER	004
PHILIPS	011, 014	SAMSUNG	011, 014
SAMSUNG	007	SANYO	007
SANYO	019, 027	SHARP	019, 027
SHARP	012	THOMSON	012
THOMSON	003	TOSHIBA	003
TOSHIBA	018, 027, 020, 002	YAMAHA	018, 027, 020, 002

Specifications

TV System

I

Colour System

PAL

NTSC 3.58, 4.43 (only Video In)

Channel Coverage

UHF: B21 - B69

Picture Tube

KV-32FQ80 FD Trinitron Approx. 82cm

KV-36FQ80 FD Trinitron Approx. 91cm

Sound Output

Left/Right: 2x20W (music power)

2x10W (RMS)

Subwoofer: 1x30W (music power)

1x15W (RMS)

Power Consumption

KV-32FQ80: 112W

KV-36FQ80: 143W

Dimensions (w x h x d)

KV-32FQ80: Approx. 910 x 445.5 x 590mm

KV-36FQ80: Approx. 1010 x 645 x 607mm

Weight

KV-32FQ80: Approx. 67kg

KV-36FQ80: Approx. 87kg



Rear Terminals

 1

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

 2 DVD

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

(SMARTLINK)  3/  3 VCR

21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, selectable audio/video output.

 4/  4

21-pin Euro connector (CENELEC standard) including audio/video input, S-video input.

 RF In

RF In



Audio output - phono jacks

Front Terminals

 5

Video input - phono jack

 5

Audio inputs - phono jacks

 5

S video input - 4 pin DIN



Headphones jack - minijack stereo

Accessories Supplied













RM-936 remote control (1)

IEC designated size AA (R6) battery (2)

Design and specifications are subject to change without notice.

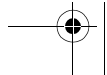
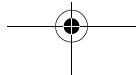
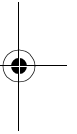
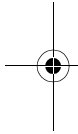
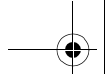
Troubleshooting

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

Problem	Suggested Remedy
No picture (screen is dark), no sound.	<ul style="list-style-type: none"> Plug the TV in. Press the  button on the front of the TV. If the  indicator on the TV is lit press the TV  button or a numbered button on the remote control. Check the aerial connection. Turn the TV off for 3 or 4 seconds and then turn it on again using the  button on the front of the TV.
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. Adjust the brightness, picture and colour balance levels. From the Picture Adjustment menu select RESET to return to the factory settings.
Good picture, no sound.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Using the MENU system, select the Picture Adjustment menu and adjust the colour setting. From the Picture Adjustment menu select RESET to return to the factory settings.
Distorted picture when changing channels or selecting Text.	<ul style="list-style-type: none"> Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function.	<ul style="list-style-type: none"> Check that the  MODE  Selector button on the remote control is set according to the device you are using (VCR, DVD or TV). If the remote control does not operate your VCR or DVD even when the  MODE  Selector button has been set correctly, refer to the 'Remote control of other equipment' section of this instruction manual and enter the correct code. Replace the batteries.
Interference on picture from connected equipment.	<ul style="list-style-type: none"> Reduce sharpness level.
The standby indicator  on the TV flashes.	<ul style="list-style-type: none"> Contact your nearest Sony service centre.

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

28 Additional Information

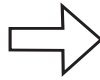
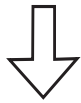
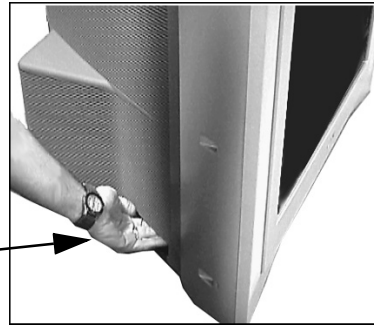
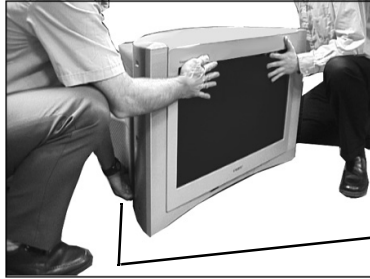


4-087-551-61(1)

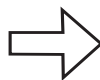
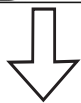
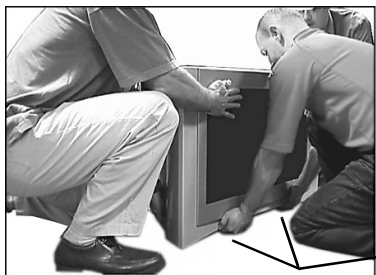


408755161

= KV-32FQ80



= KV-36FQ80



<http://www.world.sony.com/>

Sony Corporation Printed in Spain



Ecological Paper - Totally Chlorine Free