SONY

4-087-135-**32** (1)

408713532

GRAND WEGA

*Instruction Manual*

GB

# *KF-50SX200U*
# *KF-42SX200U*

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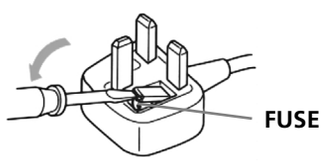
## NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362 (i.e. marked with ⓐ or ⓑ) must be used.

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

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.




### How to replace the fuse

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

- **IMPORTANT**

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

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

  Blue Neutral

  Brown Live

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

  The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green and yellow.

### WARNING

- To prevent the risk of electric shock, 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 the risk of fire or electric shock, do not expose the unit to rain or moisture.
- Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.

# Introduction

**Thank you for choosing this Sony "Grand Wega" model.**
**Before operating the TV set, please read this manual thoroughly and retain it for future reference.**

• Symbols used in the manual:

- ⚠ Important information.
- ⓘ Information on a feature.
- **1,2...** Sequence of instructions.
- Buttons shaded white on the remote control show the buttons you have to press to follow the sequence of instructions.
- Informs you of the result of the instructions.

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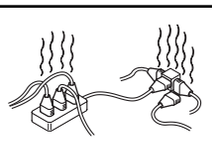
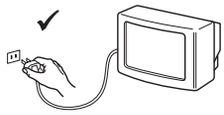
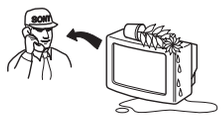
# Safety Information



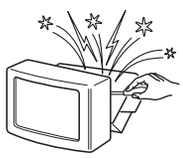
This set is to operate on a 220-240V AC supply only. Take care not to connect too many appliances to the same power socket as this could result in fire or electric shock.



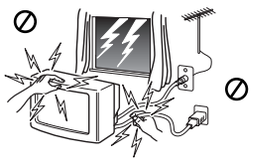
For environmental and safety reasons, it is recommended that the TV set is not left in standby mode when not in use. Disconnect from the mains.



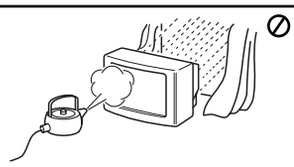
Never push objects of any kind into the set as this could result in a fire or electric shock. Never spill liquid of any kind on the set. If any liquid or solid object does fall into the cabinet, do not operate the TV. Have it checked immediately by qualified personnel.



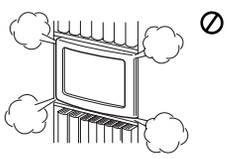
Do not open the cabinet and the rear cover of the TV. Refer to qualified service personnel only.



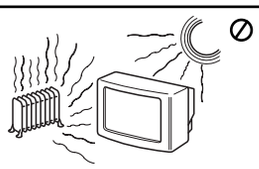
For your own safety, do not touch any part of the TV, power lead or aerial lead during lightning storms.



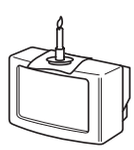
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



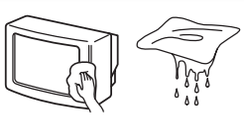
Do not cover the ventilation openings of the TV For ventilation, leave a space of at least 10cm all around the set.



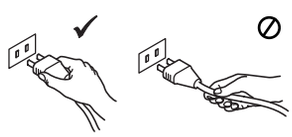
Never place the TV in hot, humid or excessively dusty places. Do not install the TV where it may be exposed to mechanical vibrations.



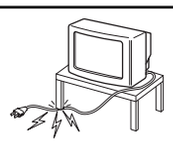
To prevent fire, keep inflammable objects or naked lights (eg candles) away from the TV.



Clean the screen and cabinet with a soft, lightly dampened cloth. Do not use any type of abrasive pad, alkaline cleaner, scouring powder or solvent, such as alcohol or benzine, or antistatic spray. As a safety precaution, unplug the TV before cleaining it.



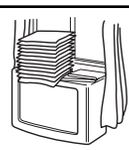
Pull out the power lead by the plug. Do not pull on the power lead itself.



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.

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.

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.



Do not cover the ventilation openings of the TV with items such as curtains or newspapers etc.

## Additional Safety Information

- When moving the TV set two persons are needed. To prevent damage DO NOT push on the speaker grills on each side of the screen. Do not grasp the front panels to prevent these parts from breaking off. Support the bottom of the screen with one hand while grasping the top part with the other hand.
- Do not block or cover the ventilation opening situated on the bottom rear of the left hand side of the TV set. For ventilation, leave a space of at least 10 cm from the wall.
- If after transporting the TV set, directly from a cold to a warm location, or if the room temperature has changed suddenly, pictures may be blurred or show poor colour over portions of the picture. This is because condensation has formed on the mirrors or lenses inside the TV set. Let the moisture evaporate before using the TV set.
- To obtain a clear picture, do not expose the screen to direct illumination or direct sunlight. If possible, use spot lighting directed down from the ceiling.
- This TV set incorporates the latest high-precision LCD technology. Even though the highest standards are applied in manufacture it is still possible that a few black dots or bright points (red, green or blue) may be visible on the screen under certain picture conditions. It is not possible to remove them and this is not a fault condition.
- The screen of this TV set has an anti-reflection screen coating. To avoid screen degradation, follow the advice given below:
  - To remove dust from the surface of the screen, wipe with the supplied cleaning cloth or a soft cloth.
  - Clean the screen and cabinet with a soft, lightly dampened cloth. Do not use any type of abrasive pad, alkaline cleaner, scouring powder or solvent, such as alcohol or benzine, or antistatic spray. As a safety precaution, unplug the TV before cleaning it.
  - Avoid touching the screen, and take care not to scratch the surface with hard objects.

# Checking the Accessories Supplied

One Remote Control
(RM-905)

Two batteries
(AAA size)

2 Brackets

1 Hexagon key

2 Screws

1 Cleaning cloth

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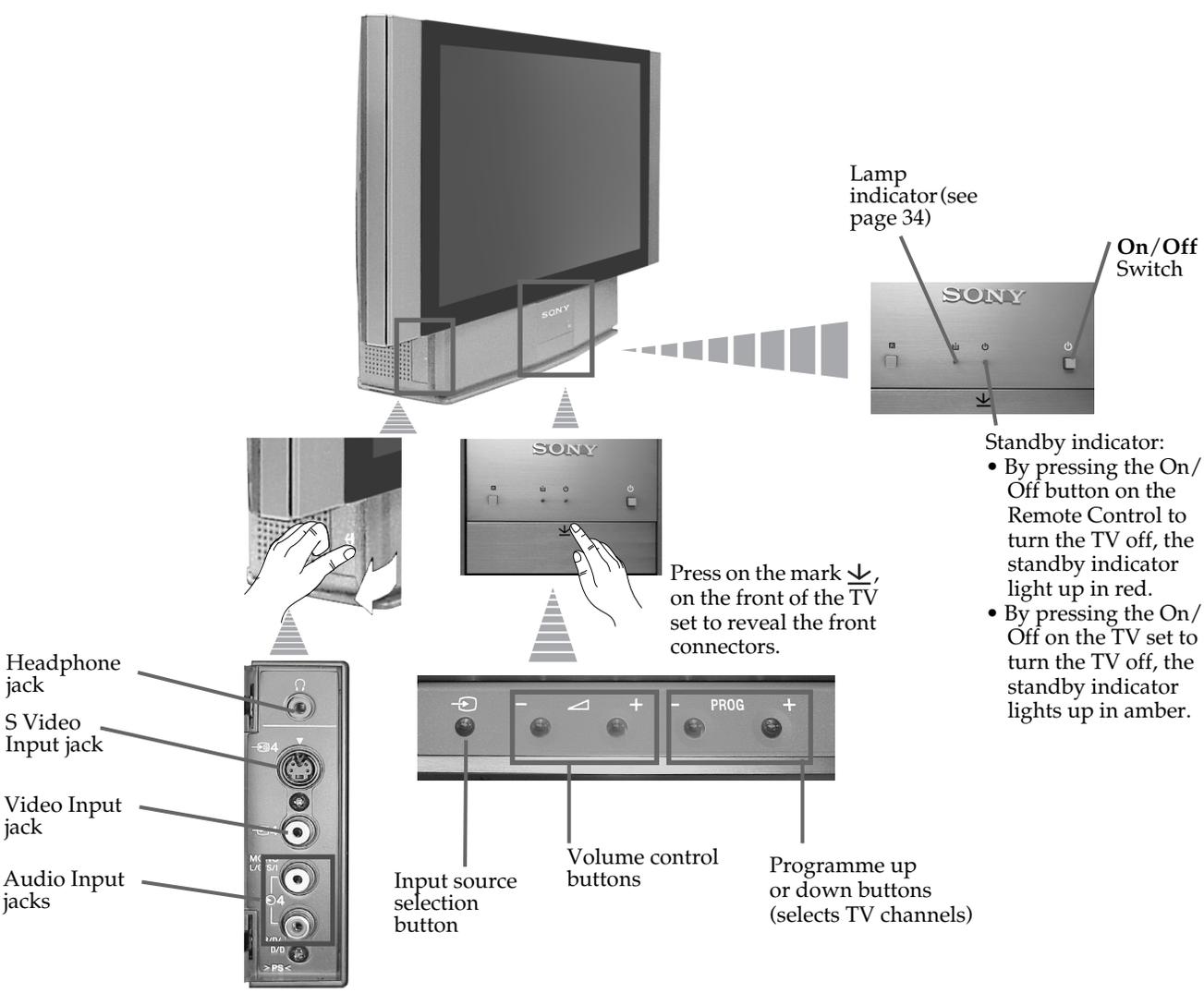
# Overview of TV Buttons



# Overview of Remote Control Buttons

**To Temporarily Switch Off:**
Press to temporarily switch off TV (the standby indicator ⏻ on the TV set lights up in red). Press again to switch on TV from standby mode.
⚠ After 15-30 minutes without a signal and without any button being pressed, the TV set switches automatically into standby mode.

**Muting the Sound:** Press to mute TV sound. Press again to restore the sound.

**Selecting TV mode:** Press to switch off PAP, Multi PIP, Teletext or video input.

**Displaying the time:** Press to switch the time display on or off (available only when teletext is broadcast).

**Displaying On Screen Information:** Press to display all on-screen indications. Press again to cancel.

**Media Selector:**
With this remote control you can operate not only this TV but also the main functions of your VCR or DVD.
Switch on the device you want to operate and next press this button repeatedly to select the VCR, TV or DVD. A green light will be momentarily lit to indicate the chosen function.
⚠ Before the first time you want to control a DVD or VCR by using this remote control, you have to set it up depending on the brand of the device to be used. For more details, refer to chapter "Remote Control Configuration for VCR or DVD" on page 33.

**a) PAP (Picture And Picture):**
For more details, please refer to the section "Using PAP (Picture And Picture)".
**b) Teletext:**
Buttons with green symbols are also used for teletext operation. For more details, please refer to the section "Teletext" of this manual.

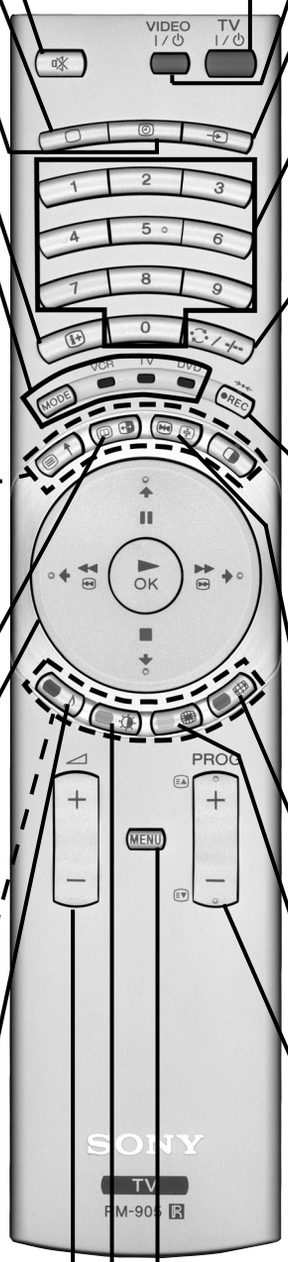
**NexTView:**
For more details, please refer to the section "NexTView" of this manual.

**Joystick:**
**a) If Media Selector is switched to TV:**
- When MENU is switched on, use these buttons to operate the menu system. For details refer to "Introducing and Using the Menu System" on page 11.
- When MENU is switched off, press OK to show an overview of all TV channels. Then press ▼ or ▲ to select the channel and then press ▶ button to watch the selected channel.

**b) If Media Selector is switched to VCR or DVD:**
Using these buttons you can control the main functions of your VCR or DVD.

**Fastext:** These buttons are also used for Fastext operation. For more details please refer to the "Fastext" chapter in the "Teletext" section of this manual.

**Selecting Sound effect:** Press this button repeatedly to change the sound effect.




**VCR DVD on/off:** Press this button to switch your VCR or DVD on or off.

**Selecting Input source:** Press this button repeatedly until the input of the desired source appears on the TV screen.

**Selecting channels:**
If Media Selector is switched to TV or VCR, press this button to select channels.
For double-digit programme numbers, enter the second digit within 2.5 seconds.

**a) If Media Selector is switched to TV:**
Press this button to watch the last channel selected (the last channel watched for at least 5 seconds).
**b) If Media Selector is switched to VCR:**
To select a double-digit programme on a Sony VCR, e.g. 23, press -/- - first and then the buttons 2 and 3.

**a) Recording button:**
If Media Selector is switched to VCR, press this button to record programmes.
**b) Resetting to factory set levels:**
Press, for a minimum of 3 seconds, to return the picture and sound settings to the factory default levels. This will also return the set to the install condition and the "Auto Tuning" menu will appear on the screen. If this is the case refer to the section "Switching on the TV set and automatically Tuning" (step 4) of this manual.

**Freezing the picture:** Press this button to freeze the picture. Press again to return to the normal picture.

**Selecting Screen format:** Press this button repeteadly to change the format of the screen (for more details, please refer to the section "Changing the Screen format") of this manual.

**Displaying Multi PIP (Picture In Picture):**
Press to display Multi PIP mode. Press again to cancel. For more details, please refer to the section "UsingMulti PIP (Picture In Picture)".

**a) Selecting channels:** Press this button to select the number of the next or previous broadcast channel.
**b) Teletext:** These buttons are also used for teletext operation. For more detail please refer to the section "Teletext" of this manual.

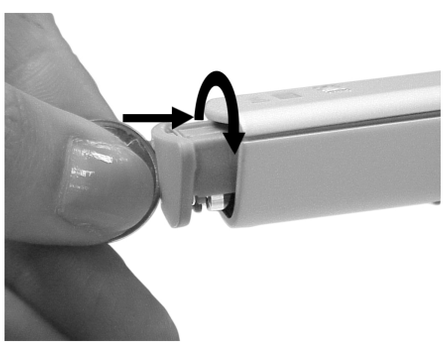
**Displaying the menu system:** Press this button to display the menu on the screen. Press again to remove the menu display from the screen.

**Selecting Picture mode:** Press this button repeatedly to change the picture mode.

**Adjusting TV Volume:** Press this button to adjust the volume of the TV.

# Inserting Batteries into the Remote Control

⚠ Always remember to dispose of used batteries in an environmental friendly way.



⚠ Make sure you insert the batteries using the correct polarities.

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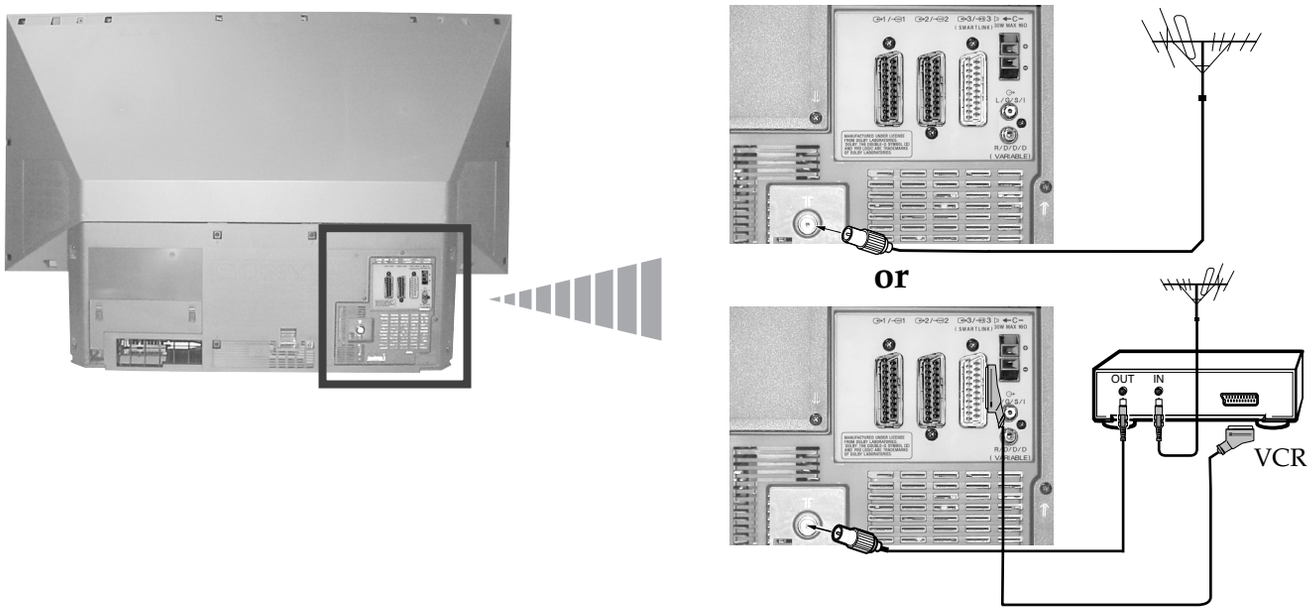
# Connecting the Aerial and VCR

Connecting cables are not supplied.



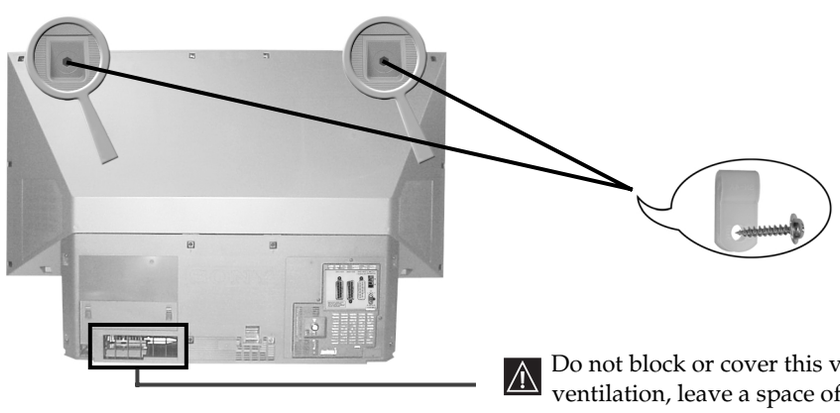

The Scart lead is optional, however if you use a Scart lead to connect your VCR it can improve picture and sound quality when using it.

If you do not use a Scart lead, after automatically tuning the TV set, refer to the "Manually Tuning the TV" section of this instruction manual, to tune in the set to the output of your VCR. Also, refer to your VCR instruction manual to find the output channel of your VCR.

# Stabilizing the TV set

After setting up, secure the TV set to a wall, etc., using the supplied brackets and screws, for safety purposes.

**1 Mount the two supplied brackets with the screws provided to the upper rear side of the TV set.**



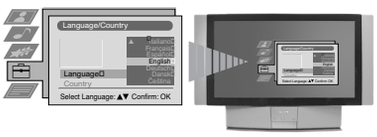
Do not block or cover this ventilation opening. For ventilation, leave a space of at least 10 cm from the wall.

**2 Pass a strong cord or a chain through each bracket, and then secure to a wall or a pillar, etc.**

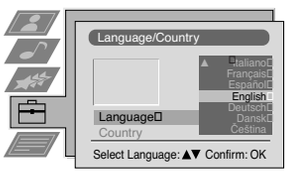
# Switching on the TV set and Automatically Tuning

The first time you switch on your TV, a sequence of menu screens appear on the TV enabling you to 1) choose the language of the menu screen, 2) choose the country in which you wish to operate the TV set, 3) search and store all available broadcast channels and 4) change the order in which the broadcast channels appear on the screen.
However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the (Set Up) menu.

**1** Connect the TV plug to the mains socket (220-240V AC, 50 Hz).
The first time that the TV set is connected, it is usually turned on. If the TV is off, press the ⏻ **On/Off** button on your TV set to switch it on. The first time you switch on the TV, the **Language/Country** menu is automatically displayed on the screen.

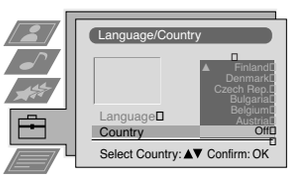



**2** Push the joystick on the remote control ▼ or ▲ to select the language, then press OK to confirm your selection. From now on all the menus will appear in the selected language.

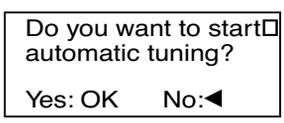


**3** Push the joystick ▼ or ▲ to select the country in which you will operate the TV set, then press OK to confirm your selection.

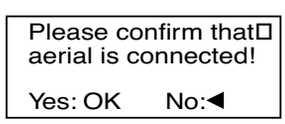
Select "Off" instead of a country if you do not want the broadcast channels stored in the normal channel sequence starting from programme position 1 (i.e. BBC1= programme 1, BBC2= programme 2...).



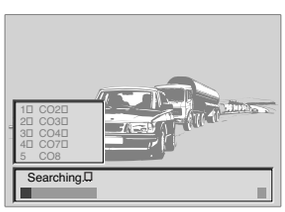

**4** The Auto Tuning menu appears on the screen in the selected language, then press the OK button on the remote control to select **Yes**.




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




- The TV starts to automatically search and store all available broadcast channels for you.
- If you have selected the "Off" option in the Country menu and you activate autotuning, the broadcast channels will be stored in the order in which they are received and no sorting will take place.




This procedure could take some minutes. Please, be patient and do not press any buttons while the automatic tuning is in progress, otherwise the automatic tuning will not be completed.

continued...

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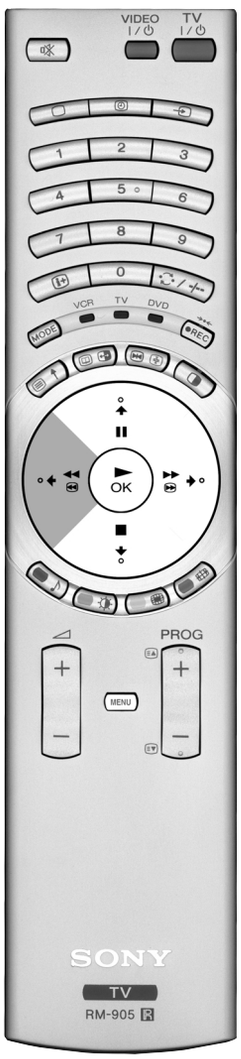
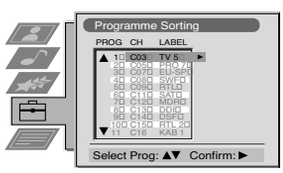



**6** After all available broadcast channels are captured and stored, the Programme Sorting menu appears automatically on the screen enabling you to change the order in which the channels appear on the screen.

**a)** If you wish to keep the broadcast channels in the tuned order, go to step 7.

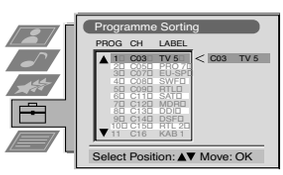
**b)** If you wish to store the broadcast channels in a different order:

**1** Push the joystick on the remote control ↓ or ↑ to select the programme number with the broadcast channel you wish to rearrange, then push → to enter.




**2** Push the joystick ↓ or ↑ to select the new programme number for your selected broadcast channel, then press OK.

The selected broadcast channel now moves to its new programme position and the other broadcast channels move accordingly.




**3** Repeat steps b1) and b2) if you wish to change the order of the other channels.

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

*The TV set is now ready for use.*

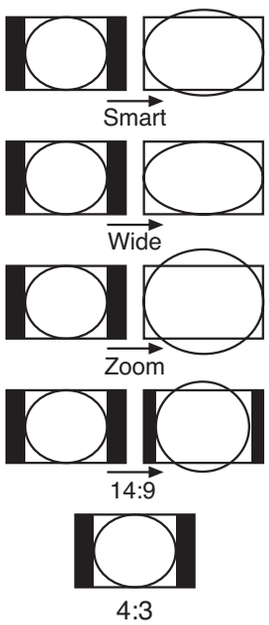
# Changing the Screen Format

This feature allows you to change the size of the TV picture.

**1** Press the ▭ button on the remote control repeatedly to select one of the following formats.

| | |
|---|---|
| **Smart:** | imitation of wide screen effect for 4:3 broadcast. |
| **4:3:** | conventional 4:3 picture size, full picture information. |
| **14:9:** | compromise between 4:3 and 16:9 picture size. |
| **Zoom:** | widescreen format for letterbox movies. |
| **Wide:** | for 16:9 broadcast, full picture information. |

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).



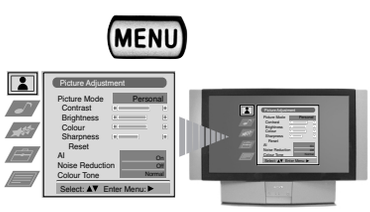

**2** Press the OK button to confirm your selection.

GB

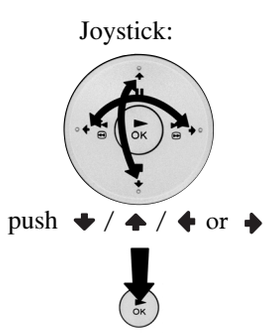
# Introducing and Using the Menu System

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

**1** Press the MENU button to switch the main menu on.

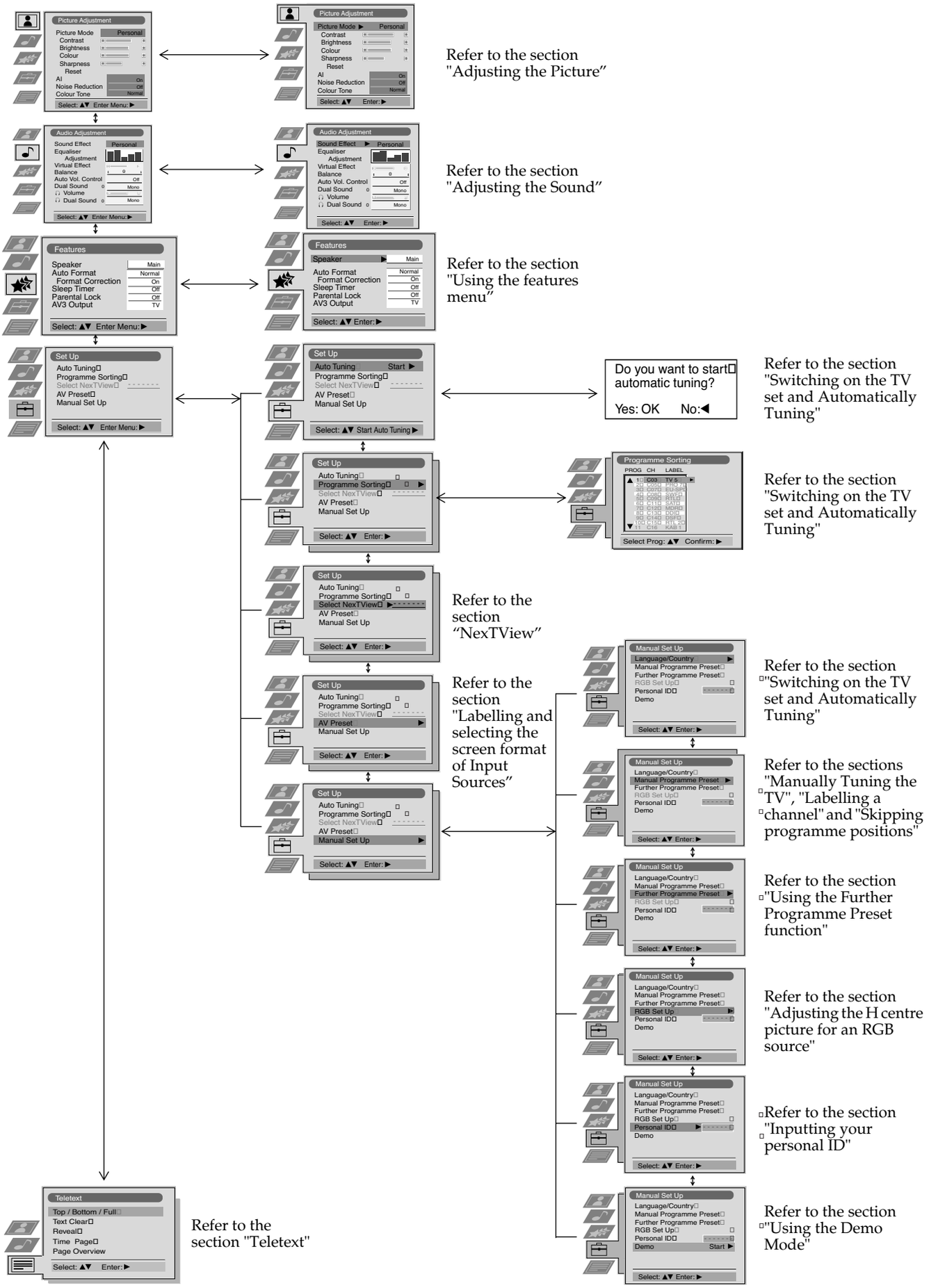



**2**
- To higlight the desired menu or option, push the joystick ▼ or ▲ .
- To enter to the selected menu or option, push ▶
- To return to the last menu or option, push ◀ .
- To alter settings of your selected option, push ▼ / ▲ / ◀ or ▶.
- To confirm and store your selection, press OK .




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

# On Screen display Menus Guide



# Adjusting the Picture

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

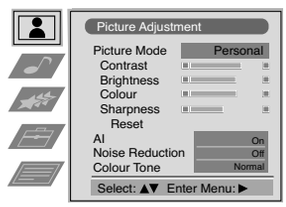
**1** Press the MENU button on the remote control to display the menu on the screen.

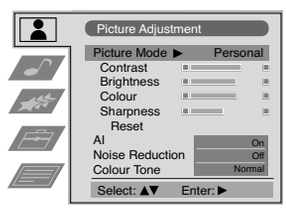
**2** Push the joystick → to enter the **Picture Adjustment** menu.

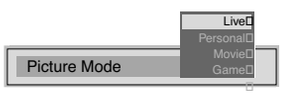
**3** Push the joystick ↓ or ↑ to select the item you wish to change, then push → to enter.
See the table below for the effect of each menu item:

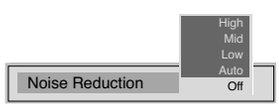
| | |
|---|---|
| **Picture Mode** | ↓ **Live** (for live broadcast programmes)<br>**Personal** (for individual settings)<br>**Movie** (for films)<br>↑ **Game** (for computer games) |
| **Contrast** | ← Less → More |
| **Brightness*** | ← Darker → Brighter |
| **Colour*** | ← Less → More |
| **Sharpness*** | ← Softer → Sharper |
| **Hue**** | ← Reddish → Greenish |
| **Reset** | OK Resets picture to the factory preset levels. |
| **AI** (Artificial Intelligence) | ↓ **Off:** Normal<br>↑ **On:** Automatic optimization of contrast level according to the TV signal |
| **Noise Reduction** | ↓ **High:** High noise reduction.<br>**Mid:** Medium noise reduction.<br>**Low:** Low noise reduction.<br>**Auto:** Optimum noise reduction automatically selected. (This option is not available when viewing an RGB source).<br>↑ **Off:** No noise reduction. |
| **Colour Tone** | ↓ **Warm:** Gives a warm tint to the picture.<br>**Normal:** Normal.<br>↑ **Cool:** Gives a cool tint to the picture. |

* Can only be altered if Personal Picture Mode is selected.
** Only avalaible for NTSC colour signal (e.g: USA video tapes).





**4** Push the joystick ↑, ↓, ← or → to alter the selected item, then press the OK button to store the new adjustment.

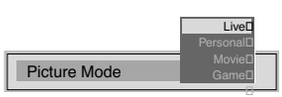
**5** Repeat steps 3 and 4 to alter the other items.

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

## Changing the Picture Mode Quickly

You can quickly change the Picture Mode without entering the Picture Control menu screen.

**1** Press the button on the remote control repeatedly to directly access and select your desired picture mode (**Live**, **Personal**, **Movie**, or **Game**).

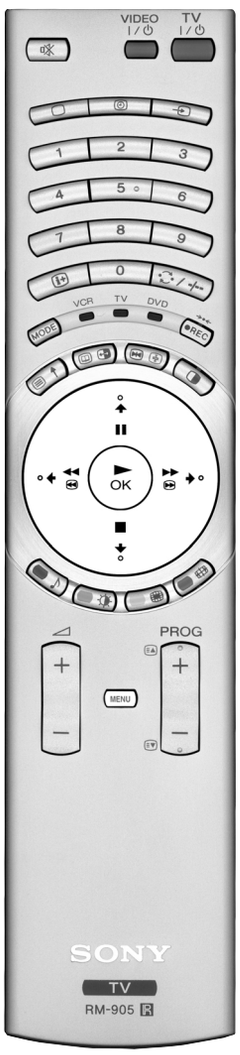



**2** Press the OK button to remove the display from the screen.

GB

# Adjusting the Sound

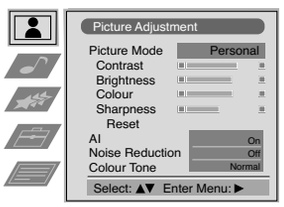
Although the sound is adjusted at the factory, you can modify it to suit your own taste.

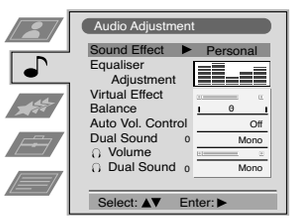


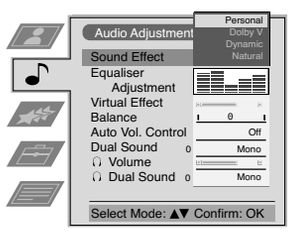

**1** Press the MENU button on the remote control to display the menu on the screen.

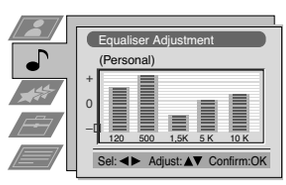
**2** Push the joystick ↓ to select the ♪ symbol, then push → to enter to the **Audio Adjustment** menu.

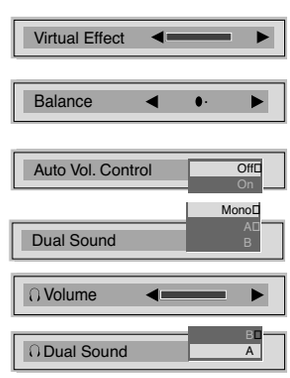
**3** Push the joystick ↓ or ↑ to select the item you wish to change, then push → to enter.
See the table below for the effect of each menu item:




**Sound Effect**
- ↓**Personal:** No special acoustic effects.
- **Dolby* V:** Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Logic".
- **Dynamic:** "BBE High Definition Sound system"** intensifies clarity and presence of sound for better intelligibility and musical realism.
- ↑**Natural:** Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"**.

**Equaliser Adjustment** Push to → or ← to select the frequency band you want to alter and push to ↓ or ↑ to adjust. Finally, press the OK button to store the new adjustment. (Only available if "Sound Effect" is set to "Personal")

**Virtual Effect** Push to → or ← to change the level of surround sound effect when listening to a Dolby surround sound broadcast. (Only available when "Sound Effect" is set to "Dolby V").

**Balance** ← Left → Right

**Auto Vol. Control**
- ↓**Off:** volume level changes according to the broadcast signal
- ↑**On:** volume level of the channels will stay the same independent of the broadcast signal (e.g. in case of advertisement)

**Dual Sound**
- For a stereo broadcast:
  - ↓**Mono**
  - ↑**Stereo**
- For a bilingual broadcast:
  - ↓**Mono** (for mono channel if available)
  - **A** (for channel 1)
  - ↑**B** (for channel 2)

*Headphones:* When listening to the TV through the headphones, special sound effects are disabled.

∩ **Volume** ← Less → More

∩ **Dual Sound**
- For a stereo broadcast:
  - ↓**Mono**
  - ↑**Stereo**
- For a bilingual broadcast:
  - ↓**Mono** (for mono channel if available)
  - **A** (for channel 1)
  - **B** (for channel 2)
  - ↑**PAP** (only when PAP is switched on)

continued...

**4** Push the joystick ↓ / ↑ / ← or → to alter the selected item, then press the OK button to store the new adjustment.

**5** Repeat steps 3 and 4 to alter the other items.

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

* This TV has been designed to create the "Dolby Surround" sound effect by simulating the sound of four speakers with two speakers. This sound effect will only operate when the broadcast audio signal is Dolby Surround encoded.

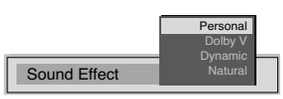
* Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol ⧫⧫ are trademarks of Dolby Laboratories.

** The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and BBE Symbol are trademarks of BBE Sound, Inc.

GB

## Changing Sound Mode Quickly

You can quickly change Sound mode without entering the Sound Control menu screen.

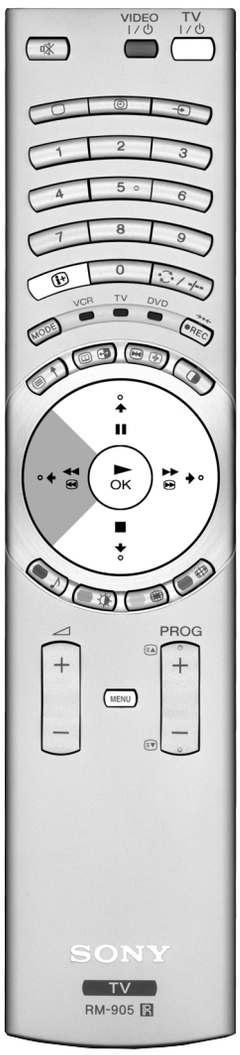



**1** Press the ♪ button on the remote control repeatedly to directly access and select your desired sound mode (**Personal**, **Dolby V, Dynamic** or **Natural**).

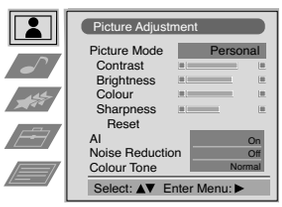
**2** Press the OK button to remove the display from the screen.

# Using the Features Menu

Using the Features menu you can:
a) Select if you want to listen to the sound from the TV set directly or through an external amplifier.
b) Automatically adjust the size of picture.
c) Select a time period after which the TV set switches itself into standby mode.
d) Lock the buttons on the TVset. In this way, the TV set only works by using the remote control buttons.
e) Select the source to be output from the Scart connector ⇨3/⇦S3 (SMARTLINK). In this way you can record from this scart connector while watching another source. If your VCR supports Smartlink, this procedure is not necessary.

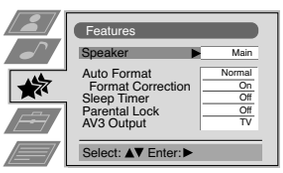



**1** Press the MENU button on the remote control to display the menu on the screen.




**2** Push the joystick ▼ to select the ★ symbol, then push ▶ to enter the **Features** menu.

**3** Push the joystick ▼ or ▲ to select the desired menu item, then push ▶ to enter (see the table below for the effect of each menu item).




**4** Push ▼ or ▲ to select the desired setting and press the OK button to store.

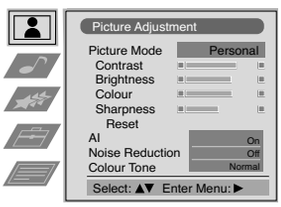
**5** Press the MENU button to exit and return to the normal TV screen.

| Features | Effect / Operation |
|---|---|
| **Speaker** | ▼ **Main** (sound from the TV set)<br>▲ **Centre In** (sound from external amplifier) |
| **Auto Format** (only for aerial signal) | ▼ **Off:** Size of picture is not automatically adjusted.<br>**Normal:** Size of picture is automatically adjusted according to the broadcaster information.<br>▲ **Full:** The TV set automatically adjusts the picture size to eliminate any dark areas on the TV picture. |
| **Format Correction** (only if Auto Format is set to "Normal" or "Full") | ▼ **Off:** 4:3/14:9 is selected.<br>▲ **On:** Smart mode is selected automatically for 4:3/14:9 broadcast. |
| **Sleep Timer** | ▼ **Off**<br>**10 min.**<br>**20 min.**<br>⋮<br>▲ **90 min.**<br>• One minute before the TV set switches into standby mode, the time remaining is displayed on the screen automatically.<br>• When watching the TV, press the button on the remote control to display the time remaining.<br>• To return to normal operation from standby mode, press the **TV** I/⏻ button on the remote control. |
| **Parental Lock** | ▼ **Off** (Normal mode)<br>▲ **On** (The TV set can only be switched on using the remote control, the buttons on the TV do not work) |
| **AV3 Output** | ▼ **TV** (audio/video signal from the aerial)<br>**AV1** (audio/video signal from the Scart connector ⇨1/⇦1).<br>**AV2** (audio/video signal from the Scart connector ⇨2/⇦2).<br>**AV3** (audio/video signal from the Scart connector ⇨3/⇦S3 (SMARTLINK)).<br>▲ **AV4** (audio/video signal from the connector ⇨ 4 placed in the front of the TV set).<br>⚠ If you have connected a decoder, please remember to change the AV3 Output back to "TV" for correct unscrambling. |

# Manually Tuning the TV

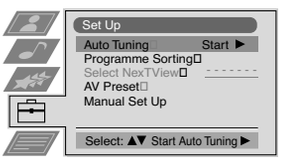
Use this function to preset channels (TV Broadcast) or a video input source one by one to the programme order of your choice.

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



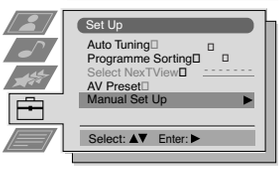

**2** Push the joystick ↓ to select the 🧰 symbol, then push → to enter the **Set Up** menu.

**3** Push the joystick ↓ or ↑ to select **Manual Set Up**, then push → to enter.



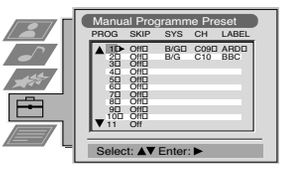

**4** Push the joystick to ↓ or ↑ to select **Manual Programme Preset**, then push → to enter.

**5** Push the joystick ↓ or ↑ to select which programme number you want to preset a channel on (for VCR select programme number "0"), then push twice →. The column **SYS** is highlighted.




**6** Push the joystick ↓ or ↑ to select the system for TV Broadcast and VCR channel (**B/G** for western european countries, **L** for France, **I** for Great Britain or **D/K** for eastern european countries) or a external input source (**EXT**), then push →. The column **CH** is highlighted.

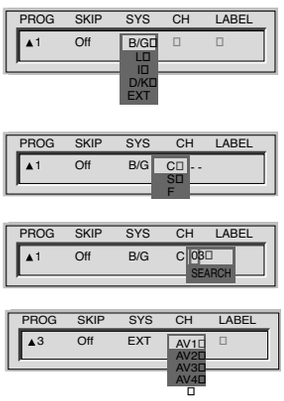
**7** Push the joystick ↓ or ↑ to select the channel tuning, "**C**" for terrestrial channels (for TV Broadcast or VCR channel), "**S**" for cable channels or "**F**" for direct frequency input then push →.




**8** a) If you know the channel number of the TV Broadcast, the VCR test signal channel or the frequency, press the number buttons to enter the channel number directly. Then press the OK button to store.

b) If you do not know the channel number, push the joystick ↓ to select **SEARCH** and the TV set starts to search automatically for the next available TV Broadcast channel or the channel of the VCR signal. Then press the OK button to store or push ↓ to continue searching for the desired channel.

c) For external input sources (EXT), push ↓ to select the input source to which you have connected your equipment (AV1, AV2, AV3 or AV4). Then press the OK button to store.




**9** Repeat steps 4 to 8 a), b) or c) if you wish to store more channels.

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

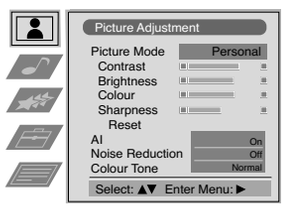
*The TV set is now ready for use.*

GB

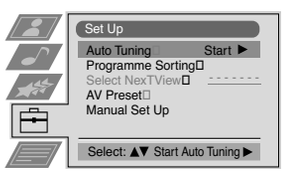
# Labelling a channel

Names for channels (TV Broadcasts) are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers). Using this function, you can easily identify which channel (TV Broadcasts) or video source you are watching.

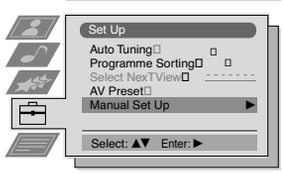
**1** Press the MENU button on the remote control to display the menu on the screen.



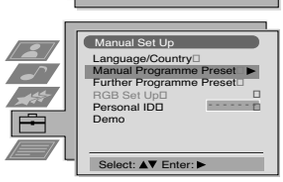

**2** Push the joystick ▼ to select the symbol, then push ▶ to enter the **Set Up** menu.



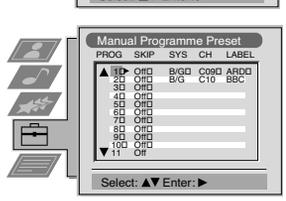

**3** Push the joystick ▼ or ▲ to select **Manual Set Up**, then push ▶ to enter.



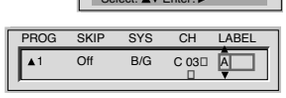

**4** Push the joystick ▼ or ▲ to select **Manual Programme Preset**, then push ▶ to enter.




**5** Push the joystick ▼ or ▲ to select the programme number with the channel you wish to name.




**6** Push the joystick ▶ repeatedly until the first element of the **LABEL** column is highlighted.




**7** Push the joystick ▼ or ▲ to select a letter, number, "+" or a blank, then push ▶ to confirm this character. Select the other four characters in the same way.

**8** After selecting all the characters, press the OK button.

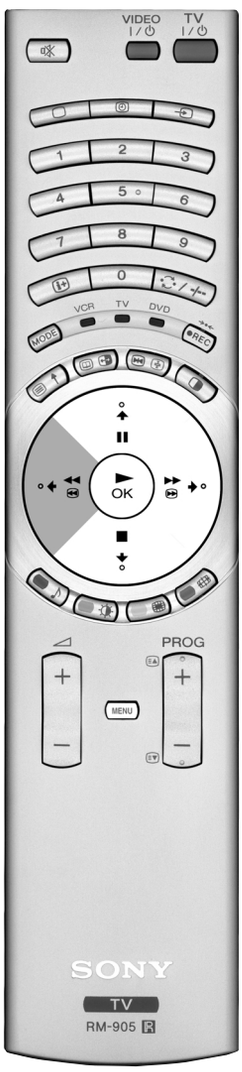
**9** Repeat steps 5 to 8 if you wish to label other channels.

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

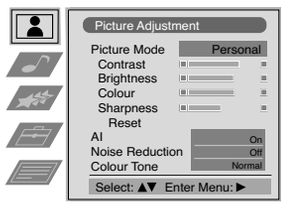
*When you select a named channel, the name will appear for a few seconds.*

# Skipping Programme positions

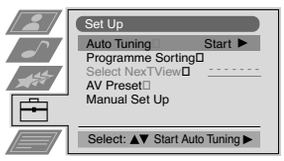
You can programme this TV set to skip any unused programme numbers when they are selected with the PROG +/- buttons. To cancel this function afterwards, proceed in the same way as described below but by selecting Off instead of On in step 6.



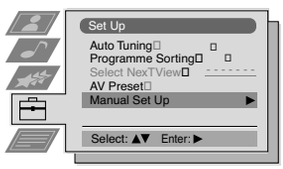

**1** Press the MENU button on the remote control to display the menu on the screen.



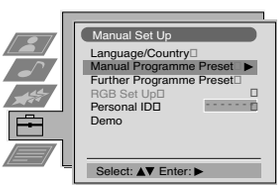

**2** Push the joystick ▼ to select the symbol, then push ▶ to enter the **Set Up** menu.



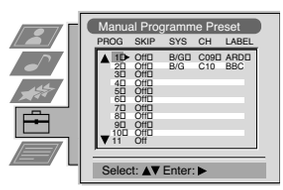

**3** Push the joystick ▼ or ▲ to select **Manual Set Up**, then push ▶ to enter.



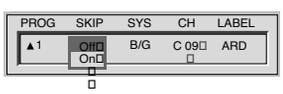

**4** Push the joystick ▼ or ▲ to select **Manual Programme Preset**, then push ▶ to enter.




**5** Push the joystick ▼ or ▲ to select the programme position you want to skip, then push ▶ to enter the **SKIP** column.




**6** Push the joystick ▼ to select **On**, then press the OK button to store.




**7** Repeat steps 5 and 6 to skip other unused programme positions.

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

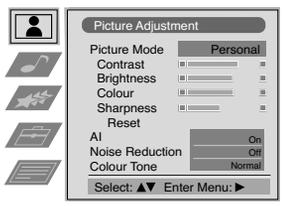
*When changing channels (TV Broadcasts) with the **PROG +/-** buttons, the skipped programme positions do not appear. You can, however, still select them using the number buttons.*

GB

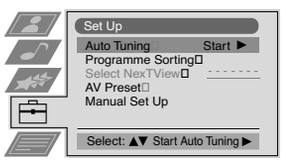
# Using the "Further Programme Preset" function

With this feature you can:
a) Individually attenuate the strength of a channel signal in case there is a strong local aerial signal (characteristically a striped picture).
b) Individually adjust the volume level of each channel.
c) Normally the automatic fine tuning (AFT) will operating, however you can manually fine-tune the TV to obtain better reception if the picture is distorted.
d) Preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.

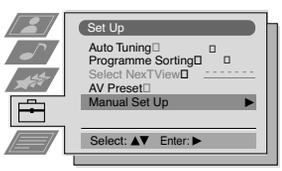
**1** Press the MENU button on the remote control to display the menu on the screen.



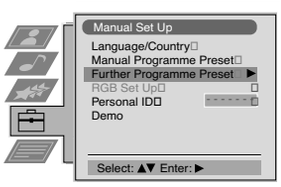

**2** Push the joystick ▼ to select the 🧰 symbol, then push ▶ to enter the **Set Up** menu.




**3** Push the joystick ▼ or ▲ to select **Manual Set Up** then push to ▶ to enter.




**4** Push the joystick ▼ or ▲ to select **Further Programme Preset**, then push to ▶ to enter.



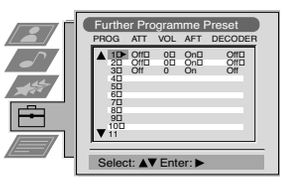

**5** Push the joystick ▼ or ▲ to select the relevant programme number, then push ▶ repeatedly to select:

**a) ATT** (RF attenuator)

**b) VOL** (Volume Offset)

**c) AFT** (Automatic Fine Tuning) or

**d) DECODER**

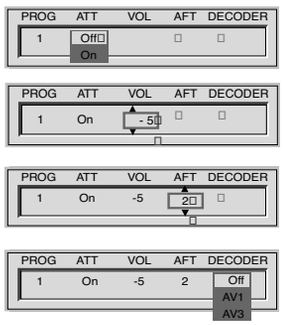



**6** **a) ATT**
Push the joystick ▼ to select **On**, then press the OK button. Repeat steps 5 and 6 a) to attenuate other channels.

**b) VOL**
Push the joystick ▼ or ▲ to adjust the volume level of the channel over a range of -7 to +7, then press the OK button. Repeat steps 5 and 6b) to adjust the volume level of the other channels.

**c) AFT**
Push the joystick ▼ or ▲ to fine tune the channel frequency over a range of -15 to +15, then press the OK button. Repeat steps 5 and 6c) if you wish to fine tune other channels.

**d) DECODER**
Push the joystick ▼ or ▲ to select **AV1** (for a decoder connected to the Scart ⇨1/⇦1) or **AV3** (for a decoder connected to the Scart ⇨3/⇦3 (SMARTLINK)), then press the OK button. Repeat steps 5 and 6d) to select the AV1 or AV3 output for other programme positions.




The picture from the decoder connected to the Scart connector ⇨1/⇦1 or ⇨3/⇦3 (SMARTLINK) on the back of the set will appear on the selected programme number.

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

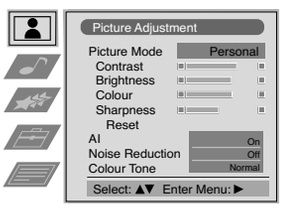
*The TV set is now ready for use.*

# Inputting Your Personal ID

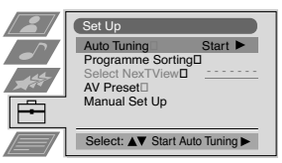
You can programme this TV set with a personal code, using up to eleven characters (letters and numbers). By using this function it will be possible to identify your TV set if it is ever stolen.

This code can only be input once!
Make sure you make a note of it in this instruction manual.

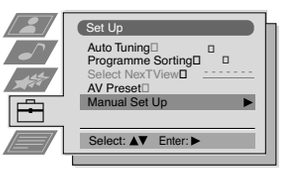
**1** Press the MENU button on the remote control to display the menu on the screen.



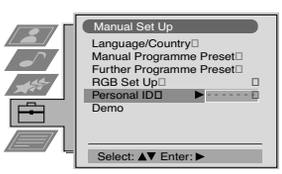

**2** Push the joystick ▼ to select the 🧰 symbol, then push ▶ to enter the **Set Up** menu.



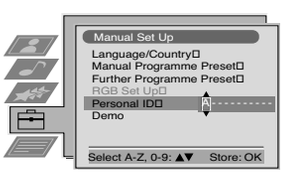

**3** Push the joystick ▼ or ▲ to select **Manual Set Up**, then push ▶ to enter.



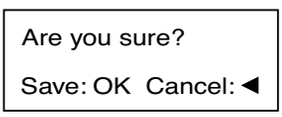

**4** Push ▼ or ▲ to select **Personal ID**, then push ▶ to enter.




**5** Push the joystick to ▼ or ▲ to select a letter, number, + or a blank; then push ▶ to confirm this character. Select the other ten characters in the same way.




**6** After selecting all the characters, press the OK button. A new menu automatically appears on the screen asking you to be sure that you want to save this ID.




**7** a) If you do not wish to store this ID, push the joystick ◀ and repeat steps 4 to 6 to enter a new ID.

b) If you wish to store this ID, press the OK button.

Remember that this code can only be input once.

**8** Press the MENU button to return to the normal TV screen.

*When you enter the Manual Set Up menu, in the "Personal ID" option the code you entered above will be displayed. You will not be able to select and change this option.*

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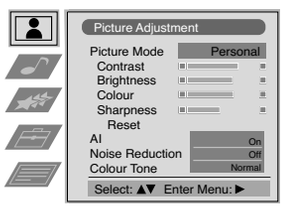
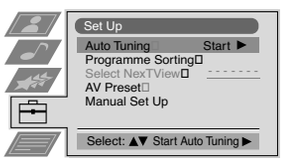
# Using the Demo Mode

This function provides an overview of some of the features available on this TV set.

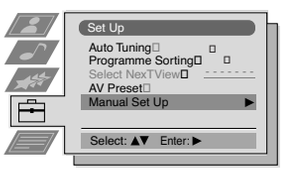
**1** Press the MENU button on the remote control to display the menu on the screen.



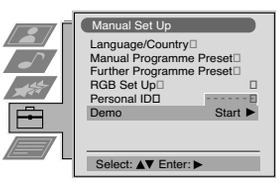

**2** Push the joystick ▼ to select the symbol, then push ▶ to enter the **Set Up** menu.




**3** Push the joystick ▼ or ▲ to select **Manual Set Up**, then push ▶ to enter.




**4** Push ▼ or ▲ to select **Demo**, then push ▶ to enter and start the demonstration.

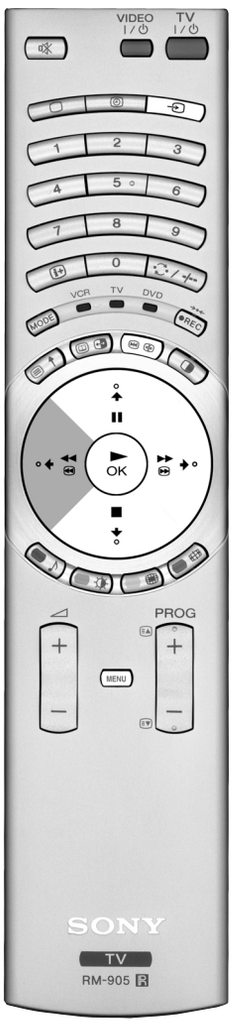



*The TV set starts the demonstration and shows most of the available picture functions.*

**Note:**
Press the button on the remote control to stop the demonstration and return to the normal TV screen.

# Adjusting the H Centre picture for an RGB source

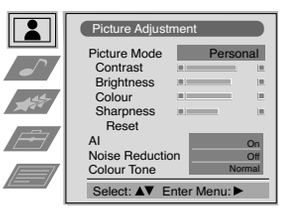
When connecting an RGB source, such as a DVD player, to Scart connector 1/1 or 2/2 you may need to readjust the H Centre of the picture.



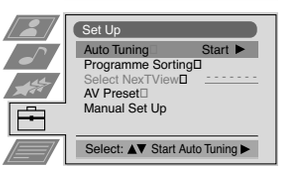

**1** Press the button repeatedly on the remote control until the symbol 1 or 2 appears on the screen.

- 1 symbol for devices connected to the 1/1 Scart connector.
- 2 symbol for devices connected to the 2/2 Scart connector.

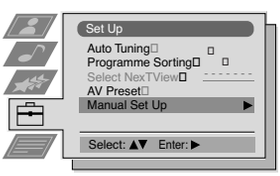
**2** Press the MENU button to display the menu on the screen.



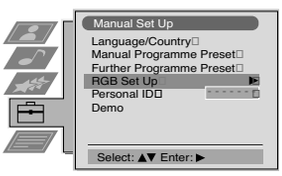

**3** Push the joystick ▼ to select the symbol, then push ▶ to enter the **Set Up** menu.



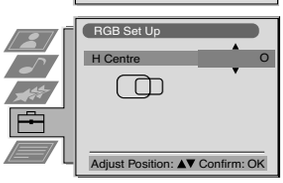

**4** Push ▼ or ▲ to select **Manual Set Up** then push ▶ to enter.




**5** Push the joystick ▼ or ▲ to select **RGB Set Up** then push ▶ to enter.




**6** Push the joystick ▶ to enter **H Centre**, then push ▼ or ▲ to adjust the centre of the picture over a range of -10 to +10. Press the OK button to store.




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

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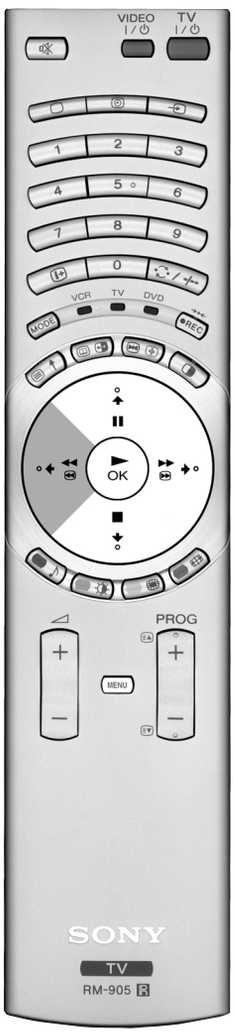
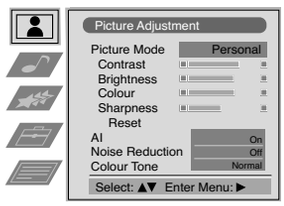
# Labelling and Selecting the screen format of Input Sources

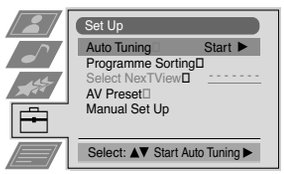
This function enables you to select the size of the picture coming from the input source. It also allows you to assign a name to the optional equipment you have connected to the sockets of this TV set. This name can contain up to 5 characters (letters or numbers).



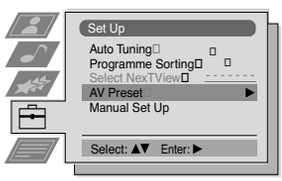

**1** Press the MENU button on the remote control to display the menu on the screen.



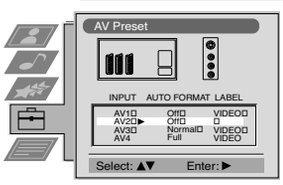

**2** Push the joystick ↓ to select the symbol, then push → to enter the **Set Up** menu.




**3** Push the joystick ↓ or ↑ to select **AV Preset**, then push → to enter.




**4** Push the joystick ↓ or ↑ to select the input source. Then push → to enter.

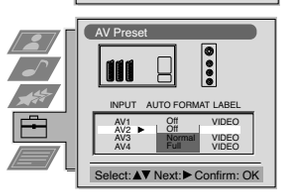



**5** Push the joystick ↓ or ↑ to select:

↓ **Off** (The size of picture is not automatically adjusted).

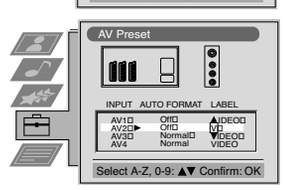
**Normal** (The size of picture is automatically adjusted according to the broadcaster information).

↑ **Full** (The TV set automatically adjusts the picture size to eliminate any dark areas on the TV picture (as shown in the section "Changing the Screen Format").




Next push → .

**6** With the first element of the **LABEL** column highlighted, push the joystick ↓ or ↑ to select a letter, number, "+" or blank; then push → to confirm this character. Select the other four characters in the same way.




**7** After selecting all the characters, press the OK button.

**8** Repeat steps 4 to 7 if you wish to select the picture size or label other input sources.

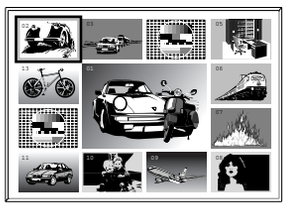
**9** Press the MENU button to exit and return to the normal TV screen.

*Whenever the equipment with the labelled input is selected for use, the name appears on the screen for a few seconds.*

# Using Multi PIP (Picture In Picture)

Multi PIP (Picture in Picture) mode displays a succession of 12 still pictures and a 13th that is live. You can manually select which channel you wish to watch, either full-screen or in the PIP.

**1** Press the button on the remote control to select the PIP mode. Now 13 programme positions appear on the screen, with the current channel in the centre. The programme displayed at the top left will be highlighted by a frame around it.



**2** Push the joystick ↓ / ↑ / ← or → to move within the 13 displayed channels. You will notice that the framed channel moves to highlight the current selection. Continue until the channel you wish to select is framed.

By pressing PROG -/+, the next or previous 13 programme numbers will appear on the screen.

**3** Press the OK button to select the framed channel. The selected channel moves to the centre.

**4** Press to return to the normal TV mode.

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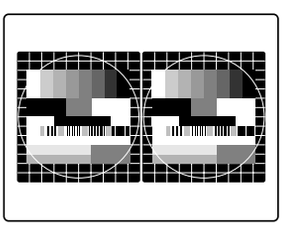
# Using PAP (Picture And Picture)

PAP divides the screen into two for watching two channels simultaneously. One of the pictures can be selected to come from a video source.
The sound from the left screen comes through the TV set loudspeakers, the sound from the right screen can be heard via headphones.

## Switching PAP on and off

Press the button on the remote control to display the two screens in format 4:3. Press again to switch PAP off.



## Selecting PAP source

1 To change the source of the left screen:
With PAP switched on, press the number buttons (to select a TV channel) or press (to select a video source).

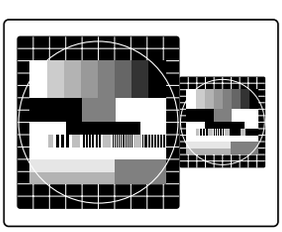
2 To change the source of the right screen:
With PAP switched on, press the button on the remote control. When the symbol ↑ appears at the bottom of the right screen, press the number buttons (to select a TV channel) or press (to select a video source).

## Swapping screens

With PAP switched on, press the button on the remote control to swap the two screens.

## Zooming the screens

With PAP switched on, push the joystick repeatedly ← or → to change the size of the two screens.



## Selecting the sound of the right screen

You can hear the sound of the right screen via headphones. With PAP switched on, refer to the "Adjusting the Sound" section of this instruction manual and set the option "Ω Dual Sound" to "PAP".

# Teletext

Most TV channels broadcast information via Teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service.

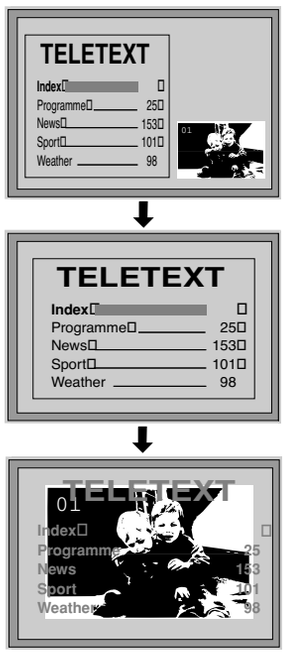
Please use a TV channel with a strong signal, otherwise there may be Teletext errors.

## Switching Teletext on and off

1 Select the TV channel which carries the teletext service you want to view.
2 Press the button once for Picture and Teletext (P&T). The screen is divided in two, with the TV channel in the right corner and the Teletext display on the left.

P&T mode: Press then press PROG +/- to change the channel of the TV screen. Push the joystick ◆ or ◆ to change the size of the TV screen then press again to resume normal teletext reception.

3 Press twice to get Teletext only.
4 Press three times for Mix mode.
5 Press a fourth time or press to switch off Teletext.




## Selecting a Teletext page

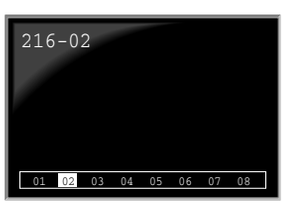
Input three digits for the page number using the numbered buttons on the control. If you make a mistake, type in any three digits then re-enter the correct page number.

## Selecting the next or preceding page

Press the (PROG+) or (PROG-) buttons on the remote control to select the previous or next page.

## Selecting a sub page

A teletext page may consist of several sub pages. In this case, after a few seconds, an information line is displayed showing the number of subpages.
Select the sub page by pressing ◆ or ◆ .




## To freeze a Teletext page

Press the button to freeze the page. Press again to cancel the freeze.

## Revealing the index page

Press the button to reveal the index page (normally page 100).

## Fastext

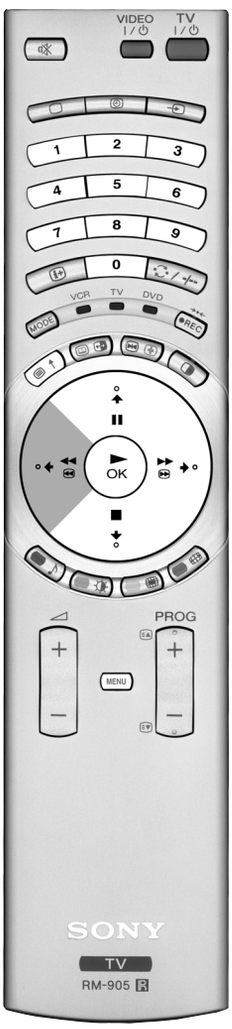
(only available if the TV station broadcasts Fastext signals)

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

## Using the feature "Page Catching"

1 This feature is used if the selected teletext page has several page numbers on it (eg the index page).
2 Press the OK button.
3 Push the joystick ◆ or ◆ to select the desired page number then press the OK buttons. The requested page is displayed after a few seconds.

continued...




# Using the Teletext menu

1 With Teletext switched on, press the MENU button on the remote control to display the teletext menu on the TV screen.
2 Push the joystick ▼ or ▲ to select your chosen item, then push to ▶ to display the relevant sub menu.
3 To remove the teletext menu from the screen, press the MENU button.

## Top / Bottom / Full

The Top/Bottom/Full sub menu allows you to enlarge different sections of the Teletext page. Push the joystick ▲ to enlarge the upper half of the screen, push ▼ to enlarge the lower half. Press the OK button to restore the page to normal size.

## Text Clear

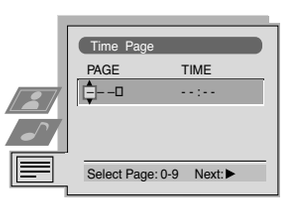
After having selected this function, you can watch a TV channel while waiting for a requested Teletext page. As soon as the page is available, the symbol changes colour. To view the page, press .

## Reveal

Some teletext pages contain hidden information (e.g. for a quiz). By pressing Reveal the hidden information appears on screen.

## Time Page

(depending on availability of teletext service)




You can call up a time-coded page such as an alarm page at a time specified by you. After you have displayed the Time Page sub menu:

1 Press the numbered buttons on the remote control to enter the three digits of the desired page.
2 Press the numbered buttons again to enter the four digits of the desired time.
3 Press the OK button to store the desired time. The time is displayed in the top left corner of the screen. At the requested time the page is displayed.

## Page Overview

(depending on availability of teletext service)

In the Page Overview menu the block and group pages of TOP- Text are sorted into two columns, so that the customer can easily select the desired page. For each block page in the first column, the corresponding group pages are shown in the second column. Push the joystick ▼ or ▲ to select the desired block page, then push ▶ to enter to the group pages column. Push ▼ or ▲ to select the desired group page .
Finally, press the OK button to display the page.

GB

# NexTView *

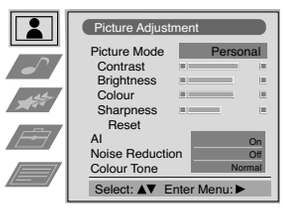
* (depending on availability of service)

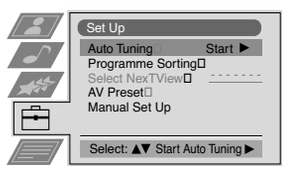
NexTView is an on-screen electronic programme guide (EPG), providing you with programme information for different broadcasters.

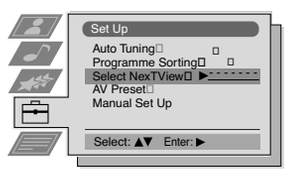
## Selecting your NexTView provider

The TV set automatically selects the best NexTView provider for you.
This provider is available about 30 minutes after the channel tuning. You can however change this selection of provider if you wish.

1. Press the MENU button on the remote control to display the menu on the screen.
2. Push the joystick ↓ or ↑ to select the symbol, then push → to enter the **Set Up** menu.
3. Push ↓ or ↑ to highlight **Select NexTView** then push → to enter. A list is displayed containing all available NexTView providers.
4. Push ↓ or ↑ to select the desired provider then press the OK button to store.
5. Press the MENU button to remove the menu from the screen.




## Displaying NexTView

1. Press the button repeatedly on the remote control to switch NexTView on and off.
   * In some cases, you may also need to push the joystick ← to display the Sony electronic programme guide.
2. Push the joystick ↓ / ↑ / ← or →to move the cursor around the screen.
3. Press the OK button to confirm a selection.
   a) If you press the OK button in the date, time or icon (themes) columns, you change the programme list according to the selection.
   b) If you press the OK button in the programme list, you directly display the channel if the broadcast is currently running, or, you display the "Long Info" menu if the broadcast is running at some future time.

**Index**
- full selection list
- personal selection
- news broadcasts
- movies
- sports
- entertainment
- children
- return to last menu

## Using the "Individual Setting" menu

You can make a personal list of the types of programmes you wish to view on the programme guide.

1. Push the joystick ↑ or ↓ to select the icon then push to → to display the "Individual Setting" menu.
2. Push the joystick ↑ or ↓ to select your chosen item on the screen then press the OK button to confirm your choice.
3. Repeat step 2 for all the items you wish to have in your list.
4. When you have finished the list, push → to select the ⮌ icon.
5. Press the OK button to return to the previous menu.
6. Push the joystick ↑ or ↓ to select the icon then press the OK button again to activate your "Individual Setting" filter.

continued...

# Using the Long Info menu

With this menu screen, you can set timers or record selected programmes.

1 Push ▲ or ▼ to select a future programme in the programme list column.
2 Press the OK button to display the **Long Info** menu on the TV screen.

## To set the timer

Push the joystick ◀ or ▶ to highlight the ⏲ icon then press the OK button repeatedly to "set the timer" or "cancel the timer". If you choose to set the timer, the programme is marked with a clock symbol and a message appears on the screen shortly before the programme is due to start asking whether you wish to still view this programme.

## To view the timer table

Push the joystick ◀ or ▶ to highlight the icon then press the OK button repeatedly to switch on/off the timer table. This table shows the programmes on which you have already set a timer. (You can set a timer on up to 5 programmes).

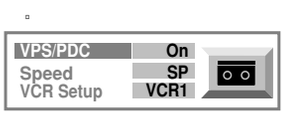
## To record programmes

(only with Smartlink VCRs)

1 Connect your Smartlink VCR.
2 Push the joystick ◀ or ▶ to select then press the OK button to download the information to your VCR.
3 To set up the VCR:

### VPS/PDC

Push the joystick ◀ or ▶ to select **VPS/PDC** then press the OK button repeatedly to select **On** or **Off**. With this setting on you have the guaranteed recording of the whole broadcast should there be a change in the TV programme. This only works if the selected channel broadcasts a VPS/PDC signal.




### Speed

Push the joystick ▼ to select **Speed** then press the OK button repeatedly to select between **SP** for standardplay or **LP** for longplay. With longplay you can record twice as much on a videotape. The picture quality however may suffer.

### VCR Setup

Push the joystick ▼ to select **VCR Setup** then press the OK button repeatedly to select which **VCR** you wish to programme, namely **VCR1** or **VCR2**.

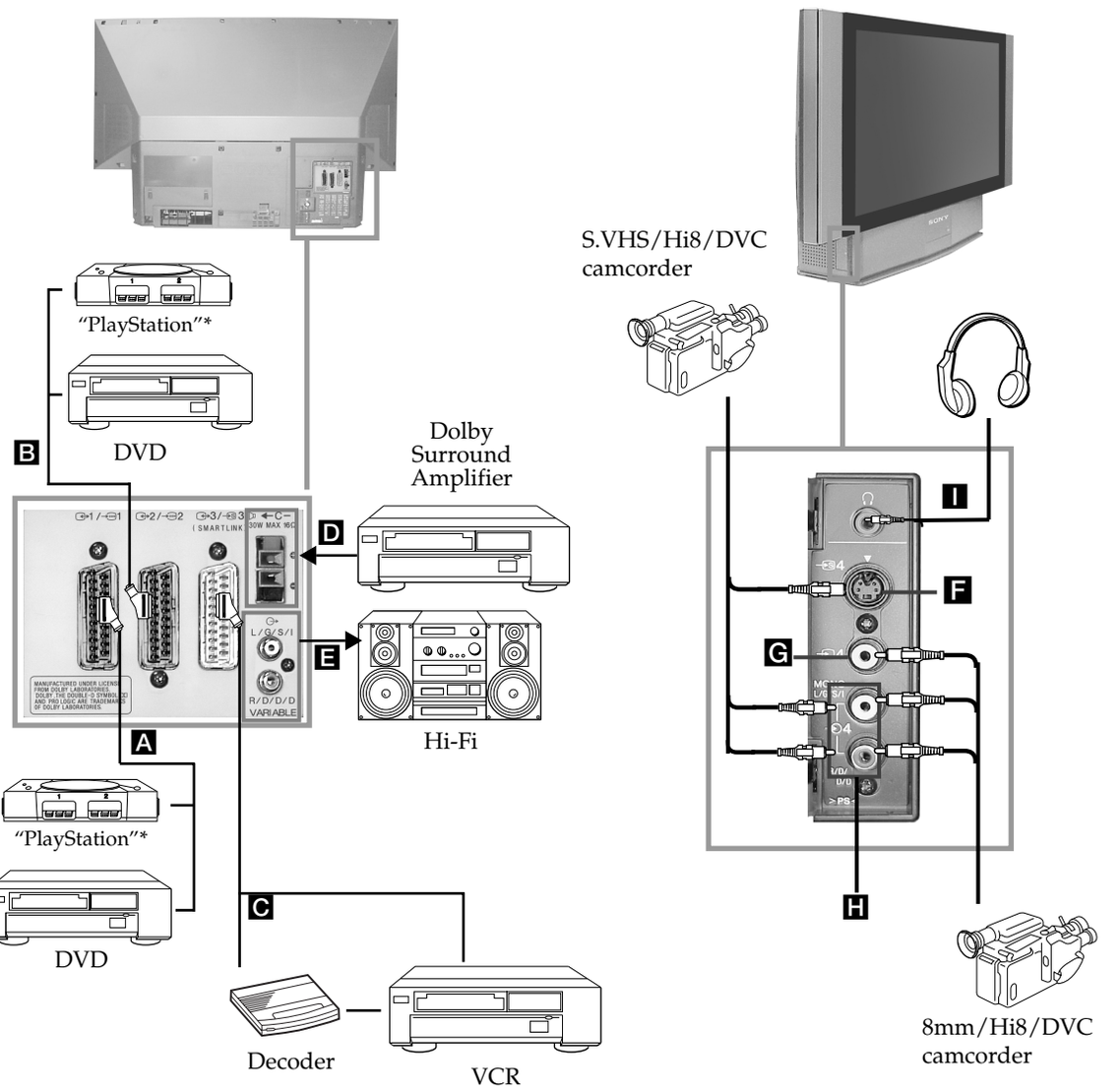
4 Finally, push the joystick ▶ to select the ⮌ icon then press the OK button to remove the menu from the TV screen.

GB

# Connecting Optional Equipment

Using the following instructions, you can connect a wide range of optional equipment to this TV set.

**To avoid picture distortion:**
- Do not connect equipment to **F** and **G** connectors at the same time.




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

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

| Acceptable input signal | Available output signal |
|---|---|
| **A** Audio/video and RGB signal | Video/audio from TV tuner. |
| **B** Audio/video and RGB signal | Video/audio displayed on TV screen (monitor out). |
| **C** Audio/video and S video signal | Video/audio from selected source. |
| **D** Centre speaker input Set "Speaker" on the Features menu to "Centre in". | No outputs. |
| **E** No inputs | Audio signal. |
| **F** S Video signal | No output. |
| **G** Video signal | No output. |
| **H** Audio signal | No output. |
| **I** No input | Audio signal to headphones. |

# Using Optional Equipment

## Additional Information when connecting equipment

### Connecting a VCR

We recommend you connect your VCR to the C socket using a scart lead. If you do not have a scart lead, use the "Manually Tuning the TV" section of this instruction manual to tune in the channel of the VCR test signal to TV programme number "0". Also refer to your VCR instruction manual to get the VCR test signal.
If your video supports Smartlink, please refer to the "Smartlink" section of this instruction manual.

### Connecting to External Audio Equipment

**1 To listen to the sound from the TV set on Hi-Fi equipment:**

Plug in your Hi-Fi equipment to the E sockets on the rear of the TV set if you wish to amplify the audio output from the TV.
The output level from the E sockets can be varied by adjusting the volume of the headphones output. Refer to the "Adjusting the sound" section of this instruction manual to adjust this.

**2 To listen to Dolby Prologic system sound on the TV set speakers:**

Plug in your Dolby Prologic system decoder amplifier to the D socket on the rear of the TV set if you wish to listen to the audio output from your equipment on the TV speakers. If you have a Dolby amplifier, connect the centre output from your amplifier to the D socket to use the TV set as a centre speaker. Refer to the "Using the Features menu" section of this instruction manual and set the option "Speaker" to "Centre in".

⚠ Remember that the maximum input level of this input is 30 W. Be careful never to exceed this.

GB

### For mono equipment

Connect the phono plug to the L/G/S/I socket on the front of the TV and select the 4 input signal using the instructions on this page below.

## Select and View the Input Signal

In order to get the input signal of a connected equipment onto the TV screen, you need to select the symbol of the connector to which you have connected the device.
e. g. : If your VCR is connected to the connector with the symbol 1/ 1. Press the button on the remote control repeatedly until you see the symbol 1 on the screen.

**1** Connect your equipment to the designated socket, as shown on the previous page.

**2** Press the button on your remote control repeatedly until the correct input symbol appears on the screen.

| Symbol | Input signals |
|---|---|
| 1 | • Audio/video input signal through the Scart connector A or * RGB through Scart connector A. |
| 2 | • Audio/Video input signal through the Scart connector B or * RGB through Scart connector B. |
| 3 | • Audio/Video input signal through the Scart connector C or * S Video through Scart connector C. |
| 4 | • S Video input signal through the 4-pin DIN connector F or * video input signal through phono jack G and audio input signal through phono jacks H. |

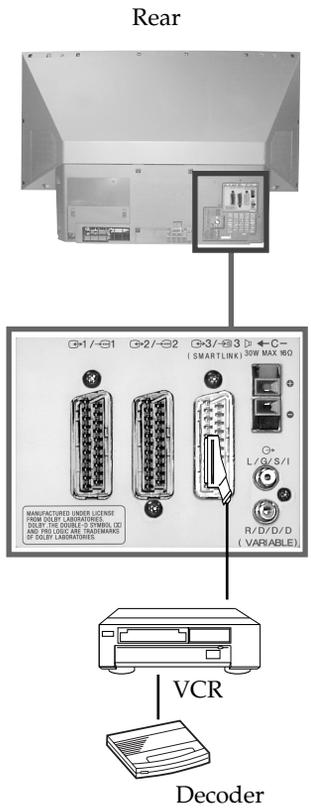
* (automatic detection of the signal according to the connected equipment)

**3** Switch on the connected equipment.

**4** To return to the normal TV picture, press the button on the remote control.

# Smartlink

Smartlink is a direct link between the 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 the Scart connector ⇨3/⇦3 (SMARTLINK) on the rear of the TV set.

## The features of Smartlink are:

- Tuning information such as the channel overview are downloaded from the TV set to the VCR.
- Direct recording: while watching TV you only need to press just one button on the VCR to record this programme.
- Automatically switching on: with the TV set in standby mode, pressing the “Play ▶” button on your VCR automatically switches the TV on.

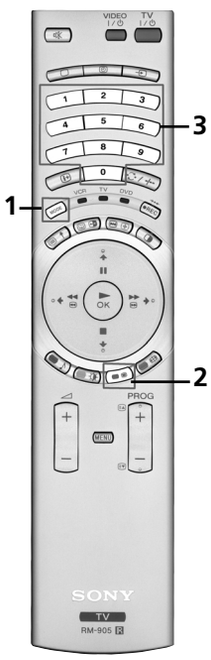
If you have connected a decoder to a VCR which supports the Smartlink feature, select the menu “Further Programme Preset” in the (Manual Set Up) menu and select **DECODER AV3** for each coded channel. For more details, please refer to the section "Using the Further Programme Preset function" of this instruction manual.

For more information on Smartlink, please refer to the Instruction Manual of your VCR.

# Remote Control Configuration for VCR/DVD

In it's default condition this remote control operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers and some Sony VCR models, please complete the following steps:

Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below. On those brands that have more than one code, enter the first code number.




**1** Press the Media Selector button (MODE) on the remote control repeatedly until the required green light (VCR or DVD) is lit.

If Media Selector is on the TV position, code numbers will not be stored.

**2** Before the green light goes out, press and hold the yellow button for approximately 6 seconds until the green light starts flashing.

**3** Whilst the green light is flashing, enter all three digits of the code for your brand of VCR or DVD using the number buttons on the remote control.

If your selected code is entered correctly, all three green lights will be lit momentarily.

**4** Turn on your VCR or DVD and check that the main functions work.

- If your device is not working or some of the functions do not work please check that you entered the correct code or try the next code listed against the brand.
- Your brand codes may be lost if weak batteries are not replaced within a few minutes. To reset your brand of DVD or VCR please repeat the above steps. A small label is added inside the battery door to allow you to record your brand codes.
- Not all brands are covered and not all models of every brand may be covered.

GB

## VCR Brand List

| Brand | Code |
|---|---|
| SONY (VHS) | 301, 302, 303, 308, 309 |
| SONY (BETA) | 303, 307, 310 |
| SONY (DV) | 304, 305, 306 |
| AIWA | 325, 331, 351 |
| AKAI | 326, 329, 330 |
| DAEWOO | 342, 343 |
| GRUNDIG | 358, 355, 360, 361, 320, 351 |
| HITACHI | 327, 333, 334 |
| JVC | 314, 315, 322, 344, 352, 353, 354, 348, 349 |
| LG | 332, 338 |
| LOEWE | 358, 355, 360, 361, 320, 351 |
| MATSUI | 356, 357 |
| ORION | 328 |
| PANASONIC | 321, 323 |
| PHILIPS | 311, 312, 313, 316, 317, 318, 358, 359 |
| SAMSUNG | 339, 340, 341, 345 |
| SANYO | 335, 336 |
| SHARP | 324 |
| THOMSON | 319, 350 |
| TOSHIBA | 337 |

## DVD Brand List

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

# Replacing the Lamp

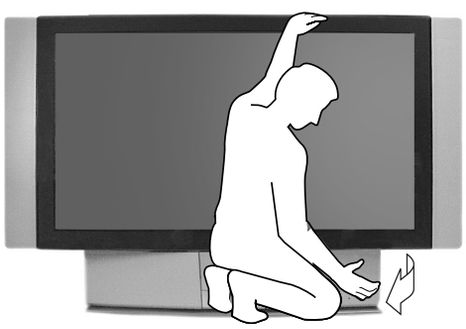
When the lamp becomes dark or the picture colour is not normal or the lamp indicator on the TV set flashes, replace with a new lamp.

- Only use the lamp XL-2000E for replacement. If you use another lamp, it may cause damage to the TV set.
- Do not remove the lamp except when replacing it.
- Before replacing the lamp, turn off the power and disconnect the power cord.
- Replace the lamp only after it becomes cool. The front glass of the lamp remains at least 100 °C (212 °F) even after the power has been turned off for 30 minutes.
- Do not place the old lamp in proximity to children or flammable material.
- Do not get the old lamp wet, or insert objects inside the lamp. It may cause the lamp to explode.
- Do not place the old lamp near easily flammable objects, as this may cause fire. Also, do not put your hand inside the lamp compartment, as you may be burned.
- Attach the new lamp securely. If it is not securely attached, the picture may become dark.

**1 Turn off the power and disconnect the power cord.**

- If you start changing the lamp without disconnecting the power cord, the standby indicator on the TV set flashes. Disconnect the power cord to continue changing the lamp.
- Replace the lamp 30 minutes or more after the power is turned off to allow it to cool.
- Prepare the new lamp.

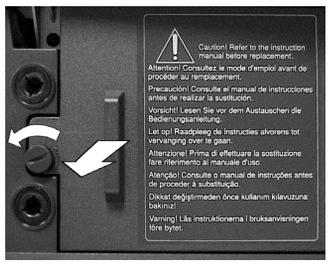
**2 Remove the front panel**.



Remove the front panel without moving the TV set.

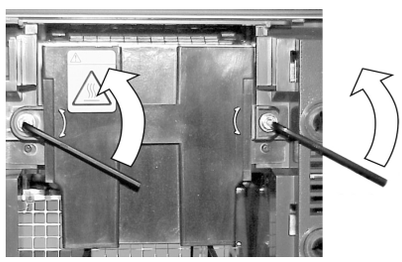
Grasp the right side of the front panel with your fingers and pull it forward. Be careful not to catch your fingernails.

**3 Loosen the screw with an object such as a coin and remove the lamp cover.**

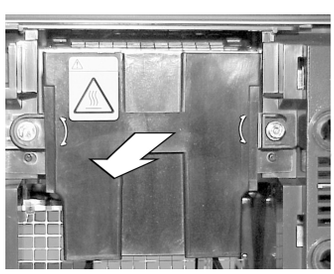



**4 Loosen the two screws and pull out the lamp.**

Loosen two screws with the hexagon key supplied.



Pull out the lamp by the handle.



The lamp is still extremely hot immediately after the power is turned off. Be careful that you don't touch the front glass or surrounding area of the lamp or the glass of the lamp compartment.

**5 Attach the new lamp.**

Replace the new lamp securely in the lamp receptacle and fasten the screws tightly using the hexagon key supplied.

**6 Attach the lamp cover.**

Fasten the screw tightly with an object such as a coin.

**7 Attach the front panel.**

Attach the front panel locating the left hand edge of the cover first and then pushing the right hand side back into place.

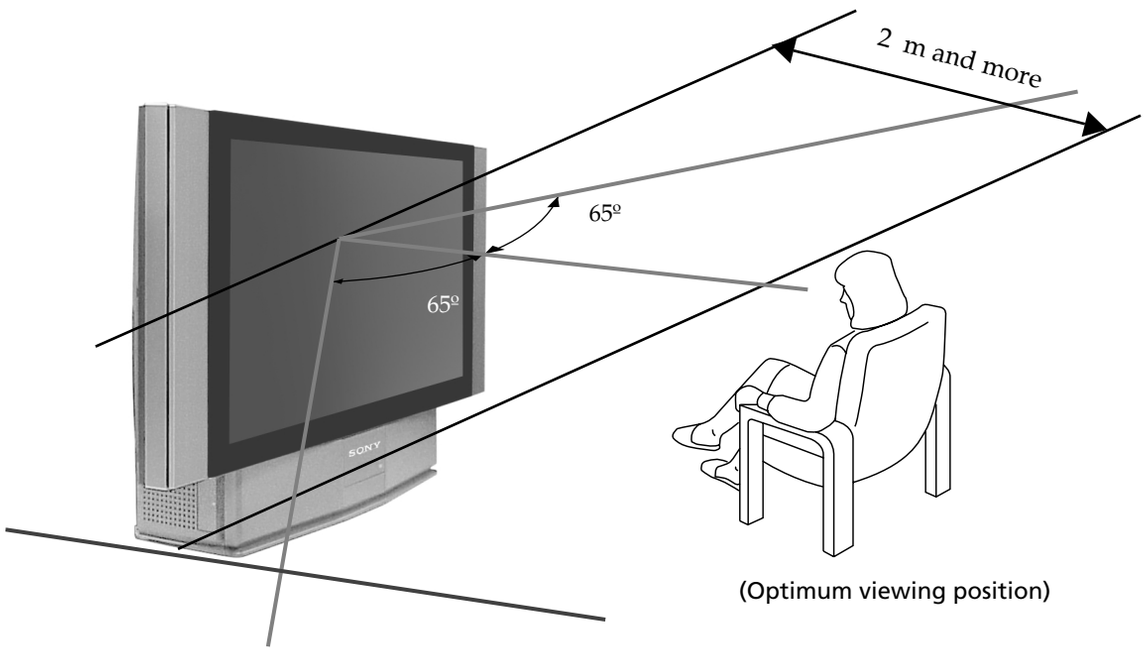
**Notes**

- *Do not touch or stain the front glass of the new lamp or the glass of the lamp compartment. If the glass become dirty, the picture quality may deteriorate or the lamp life may shorten.*
- *Attach the lamp cover firmly. If it is not firmly attached, the power will not turn on.*
- *When the lamp burns out, a noise is audible. This does not indicate damage to the TV set.*
- *Consult your nearest Sony service center to obtain a new lamp.*
- *Always remember to dispose of used lamps in an evironmentally friendly way.*

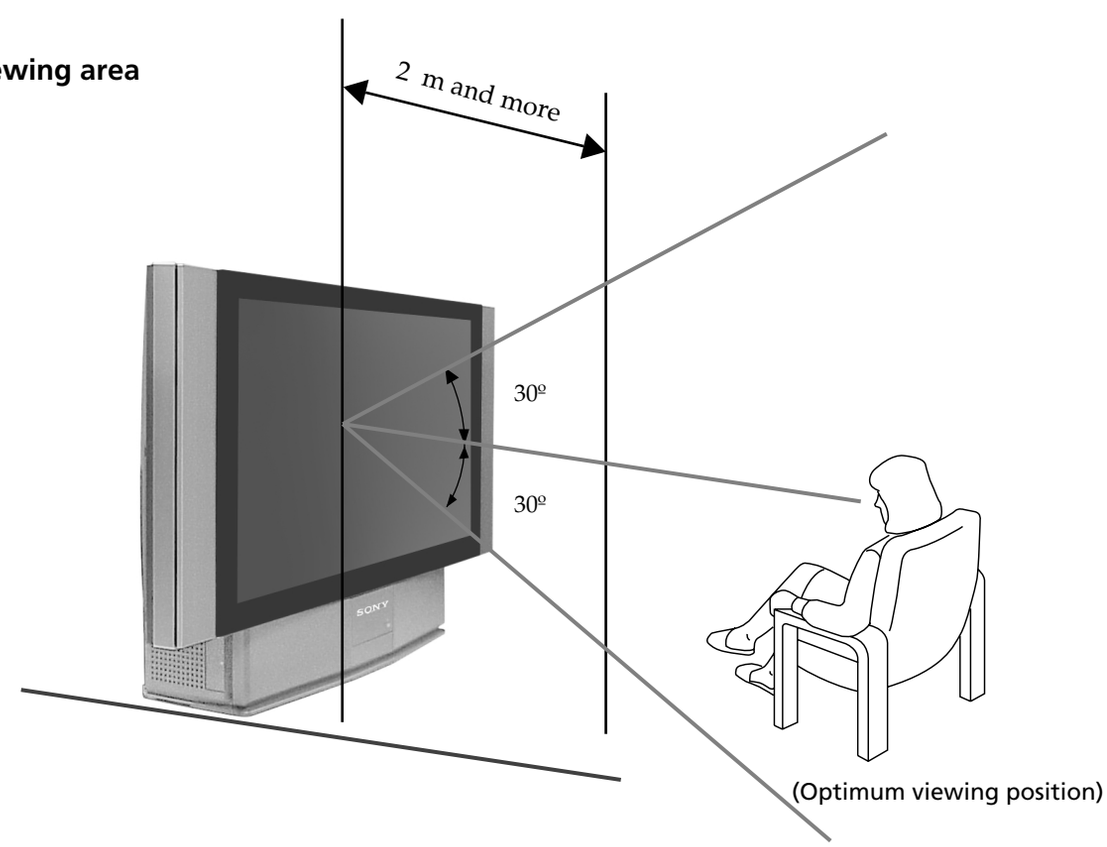
# Optimum Viewing Area

For the best picture quality, try to position the TV set so that you can view the screen from within the areas shown below.

## Horizontal viewing area




## Vertical viewing area



# Specifications

**TV system**
B/G/H, D/K, I, L

**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
D/K: R1-R12, R21-R69
I: UHF B21-B69
L: F2-F10, B-Q, F21-F69

**Projected picture size**
- KF-50SX200U: 50 inches (approx. 127 cm measured diagonally).
- KF-42SX200U: 42 inches (approx. 107 cm measured diagonally).

**Rear Terminals**
- ◁ ←C– Centre speaker input terminals (2 terminals)
- (L, R) audio outputs (phono jacks)
- 1/ 1 21-pin Euro connector (CENELEC standard) including TV audio/video input, RGB input, TV audio/video output.
- 2/ 2 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, audio/video output (monitor out).
- 3/ 3 (SMARTLINK) 21-pin Euro connector (CENELEC standard) including audio/video input, S video input, selectable audio/video output and Smartlink interface.

**Front Terminals**
- 4 S video input - 4 pin DIN
- 4 video input - phono jack
- 4 audio inputs - phono jacks
- Headphones jack - minijack stereo

**Sound output**
2 x 20 W (music power)
2 x 15 W (RMS)

**Centre SP input**
30 W (RMS) (using as the centre speaker)

**Power consumption**
210 W

**Standby Power consumption**
≤ 1 W

**Dimensions (w x h x d)**
- KF-50SX200U: Approx. 1376 x 898 x 384 mm
- KF-42SX200U: Approx. 1200 x 790 x 343 mm

**Weight**
- KF-50SX200U: Approx. 43 kg
- KF-42SX200U: Approx. 37 kg

**Accessories supplied**
1 Remote Control (RM-905)
2 Batteries (IEC designated, AAA size)
1 Hexagon key
2 Brackets
2 Screws
1 Cleaning Cloth

**Other features**
- Digital Comb filter (High resolution)
- TELETEXT, Fastext, TOPtext (2000 page TEXT memory)
- NexTView
- NICAM
- Sleep Timer
- Smartlink
- Noise Reduction
- Graphic Equaliser
- Personal ID
- Dolby Virtual
- BBE

**Design and specifications are subject to change without notice.**

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# Troubleshooting

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

| Problem | Solution |
|---|---|
| No picture (screen is dark), no sound. | • Plug the TV set in.<br>• Press the ⏻ button on the front of the TV set.<br>• If the ⏻ indicator is on in red colour, press **TV I/⏻** button on the remote control.<br>• Check the aerial connection.<br>• Check that the selected video source is on.<br>• Turn the TV set off for 3 or 4 seconds and then turn it on again using the ⏻ button on the front of the TV set. |
| Poor or no picture (screen is dark), but good sound. | • Using the MENU system, select the Picture Adjustment menu. Adjust the brightness, contrast and colour balance levels. |
| Poor picture quality when watching a RGB video source. | • Press the button repeatedly on the remote control until the RGB symbol 1 or 2 is displayed on the screen. |
| Good picture, no sound | • Press the +/- button on the remote control.<br>• Check that "Main" speaker is selected in the "Features" menu. |
| No colour on colour programmes | • Using the MENU system, select the Picture Adjustment menu. Adjust the colour balance. |
| Distorted picture when changing programmes or selecting teletext | • Turn off any equipment connected to the Scart connectors on the rear of the TV set. |
| Striped picture | • Adjust the RF Attenuator (ATT). For details, please refer to the section "Using the Further Programme Preset function". |
| Noisy picture when viewing TV channel | • Adjust Fine Tuning (AFT) to obtain better picture reception. For details, please refer to the section "Using the Further Programme Preset function"<br>• Using the menu system, select the “Picture Adjustment” menu and set “Noise Reduction” to “Auto”. |
| No unscrambling or unstable picture whilst viewing a scrambled channel with a decoder connected through the Scart connector 3/3 (SMARTLINK) | • Using the menu system, select the “Features” menu and set “AV3 Output” to “TV” |
| Remote control does not function | • Check that the Media Selector on the remote control is set to the device you are using (VCR, TV or DVD).<br>• If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly. Enter the necessary code set as explained on “Remote Controll Configuratio for VCR/DVD” chapter of this instruction manual.<br>• Replace the batteries. |
| The lamp indicator on the TVset flashes. | • Replace the lamp. For details please refer to the section “Replace the Lamp” |
| The standby indicator ⏻ on the TVset flashes. | • If you are changing the lamp without disconnecting the power cord, the standby indicator flashes. To continue changing the lamp, disconnect the power cord and wait for at least 30 minutes to allow the lamp to cool.<br>• Check that the lamp cover is tightly attached.<br>• If you are not changing the lamp but the standby indicator flashes, contact your nearest Sony service centre. |

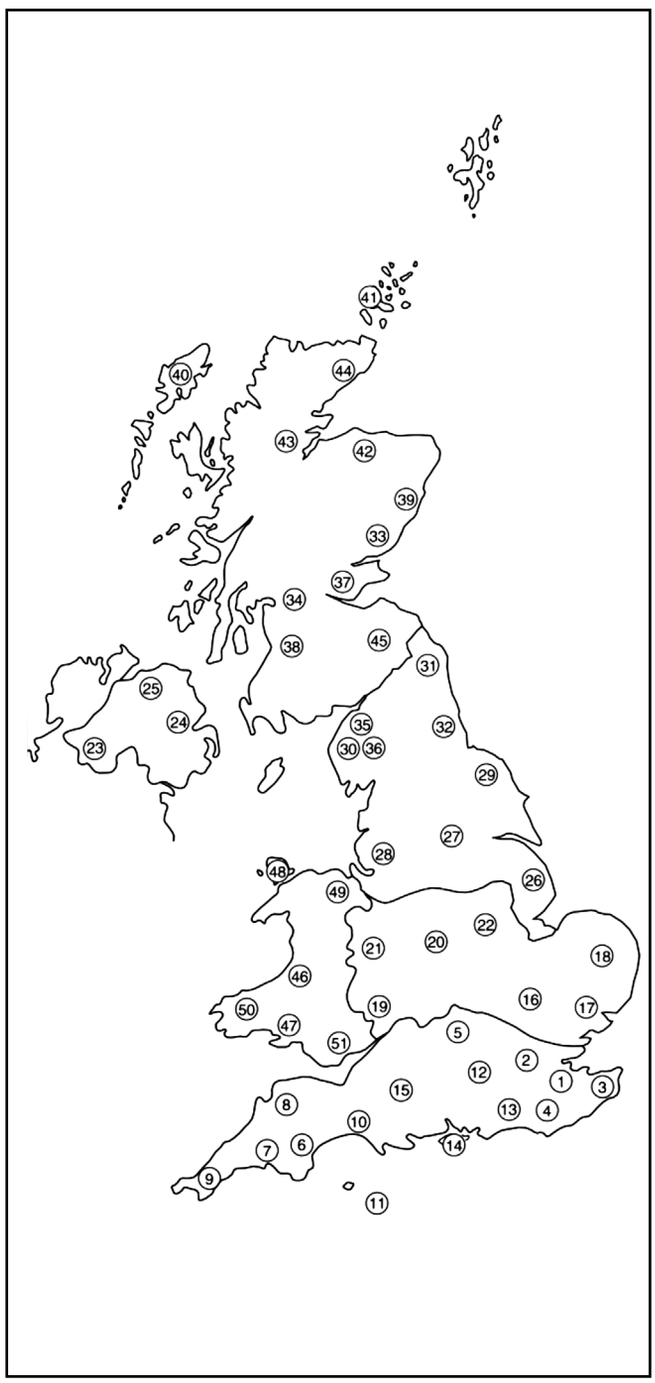
- **If you continue to have these problems, have your TV serviced by qualified personnel.**
- **NEVER open the casing yourself.**

GB

# Television Channel Number Guide for United Kingdom

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

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



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