



TOSHIBA

The power to open people's eyes

**42WH18B
50WH18B**



colour television

owner's manual

Contents

SETTING UP

For your safety – Some <i>do's</i> and <i>don'ts</i> for you to be aware of	3
Installation and other points to follow	4
Your new television's remote control – an at-a-glance guide	5
Connecting the speakers	6
Connecting and turning on your new TV	7
Choosing the language and Auto tuning	8
Manually tuning your TV – an alternative to <i>Auto tuning</i>	9
Sorting programme positions	10
Manual fine tuning, programme skip	11

USING YOUR TV

General controls – changing programme position	12
Sound controls – volume, sound mute, bass boost, bass/treble/balance	12
Widescreen viewing	13
Picture controls – adjusting the picture position, automatic format (widescreen)	14
Picture controls – picture preferences, scan mode, digital noise reduction (DNR) and still picture	15

ADDITIONAL FEATURES

The timer and time display – informing the TV to turn on/off and time display	16
Panel lock – disabling the buttons on the front of the TV	16
Stereo and bilingual transmissions – stereo or dual language broadcasts	16
AV connections and input selection – input and output sockets for connected equipment	17

SPECIAL SOUND FEATURES

Dolby Digital	18
Dolby Pro Logic – Surround Test Mode	19
Digital Surround Processor – Surround sound features	20

TELETEXT

Setting up	21
Auto and List modes	22
Control buttons	23

CONNECTING OTHER EQUIPMENT

Front connections and controls	24
Back connections	25

FOR YOUR GUIDANCE

Questions and Answers	26
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OTHER INFORMATION

Index, Specifications and Accessories – information on your television	28
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For your safety

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured. So, please read the points below for your own safety. They are of a general nature, intended to help you with all your electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation...

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent the TV from overheating and consequential possible damage to the TV. Dusty places should also be avoided.

Heat Damage...

Damage may occur if you leave the TV in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply...

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. **DO** ensure that the TV is not standing on the mains lead. **DO NOT** cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is 5A, and is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. **IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.**

Do...

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not...

DONT remove any fixed cover as this may expose dangerous voltages.

DONT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DONT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DONT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DONT use makeshift stands and **NEVER** fix legs with wood screws. To ensure complete safety, always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DONT listen to headphones at high volume, as such use can permanently damage your hearing.

DONT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DONT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

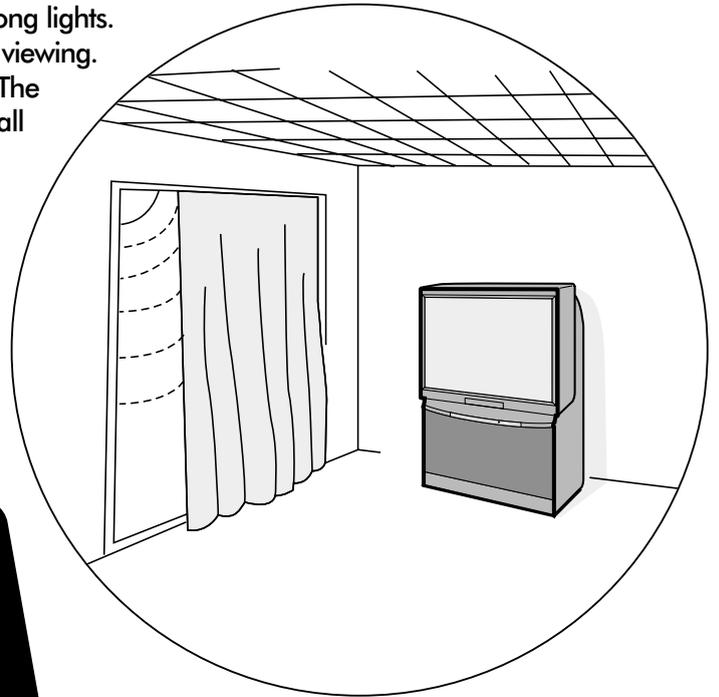
Installation and other points to follow

Where to install

Locate the television away from direct sunlight and strong lights. Soft, indirect lighting is recommended for comfortable viewing. Place the TV directly on the floor or a sturdy platform. The mounting surface should be flat and steady. If you install the TV onto a soft floor covering, make sure that the covering will not be damaged by the weight of the TV.

Use curtains or blinds to prevent direct sunlight falling on the screen.

Always take great care when moving this TV as it could mark polished floor surfaces or damage floor coverings.



WARNING!
NEVER LEAVE A STATIONARY
IMAGE ON THE SCREEN.

If stationary images generated by TELETEXT, CHANNEL IDENTIFICATION LOGOS, COMPUTER DISPLAYS, VIDEO GAMES, ON SCREEN MENUS, etc. are left on the TV screen for any length of time, they will become permanently ingrained.

If you use your television to display completely still images, or moving pictures which have a permanent still image superimposed i.e. broadcast network logos, it is always advisable to reduce BOTH the brightness and contrast settings.

THIS DAMAGE IS EXPENSIVE TO REPAIR AND IS NOT PROTECTED BY YOUR WARRANTY AS IT IS THE RESULT OF MISUSE.

Cleaning the screen and cabinet...

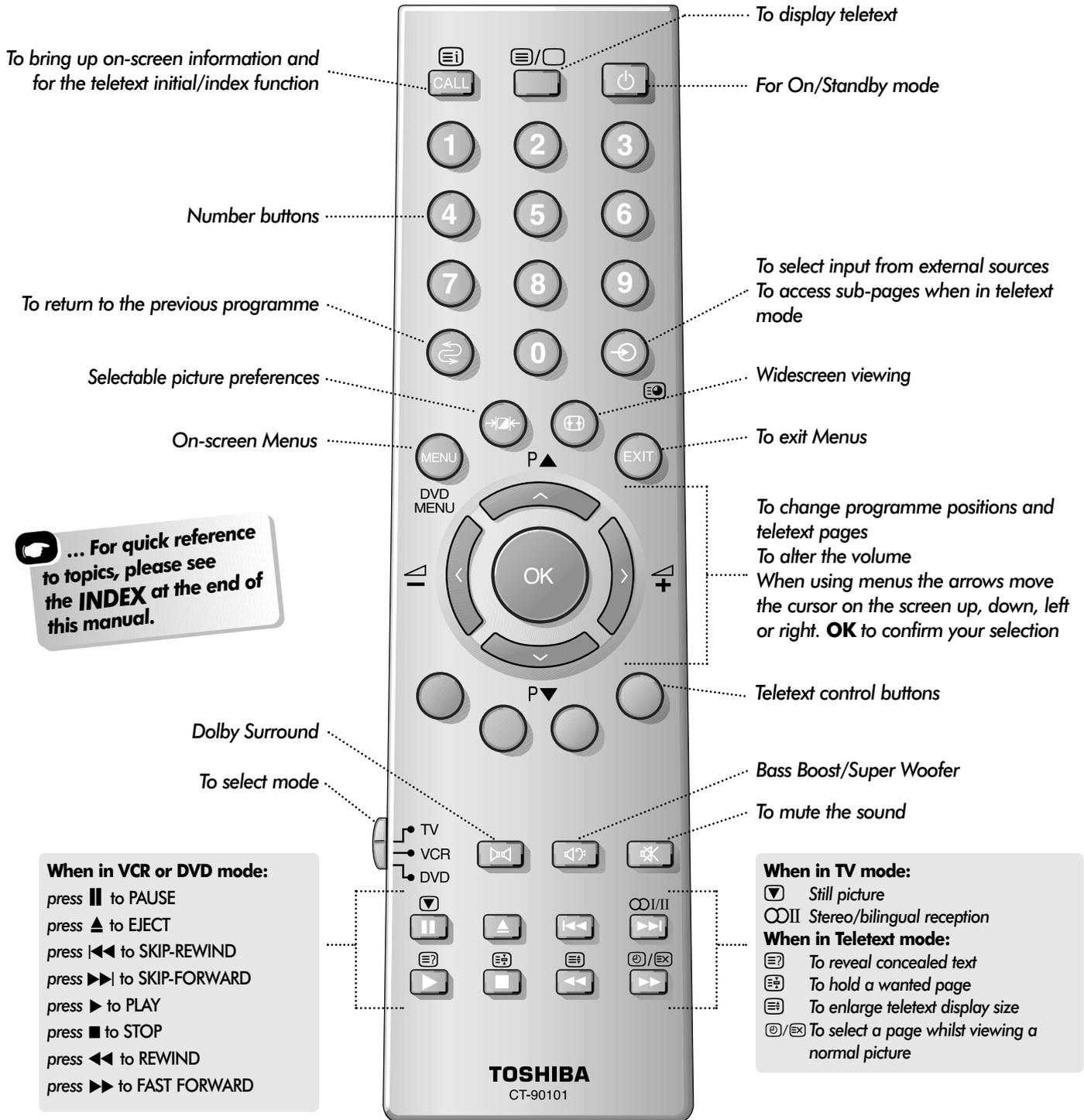
*After turning off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you **do not** use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

When the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

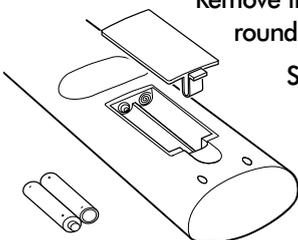
Your new television's remote control

Simple, at-a-glance reference of your remote control's buttons...



The batteries... and the effective range of the remote...

Remove the back cover to reveal the battery compartment and make sure you insert the batteries the right way round.



Suitable battery types for this remote are R03 or AAA.

Do not throw your old batteries into a fire, dispose of them in a designated disposal area. Do not combine a used, old battery with a new one or mix battery types.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the TV.

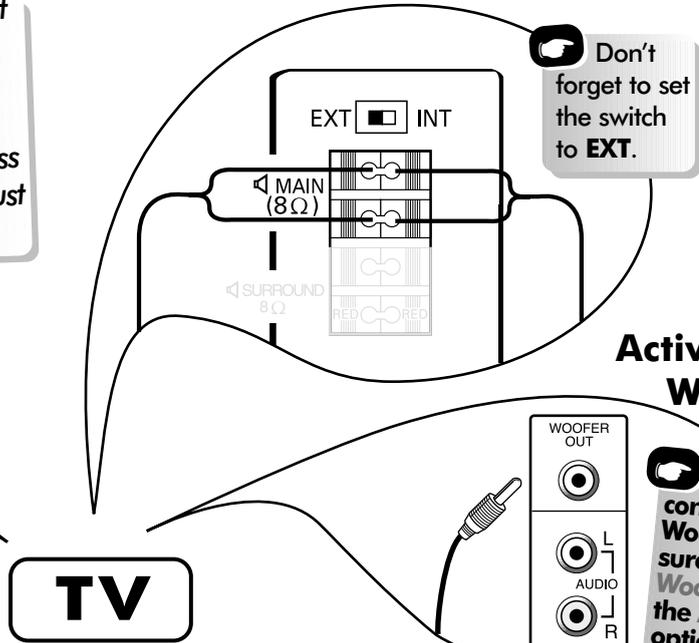
Connecting the speakers

! WARNING: do not attempt to share external speakers with your Hi-Fi as serious damage may occur.

When connecting external speakers always make sure that the power is OFF.

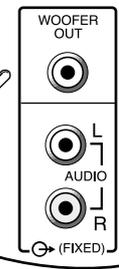
External (Main) Speakers

When connecting external Hi-Fi speakers of your choice, they must be 8 ohm, 14W minimum. These speakers should be positioned either side of the TV and will deliver the left and right sound. Simply press the connector and insert the cable. You must now set the switch to EXT as shown.



Active Super Woofer

! When you connect a Super Woofer, make sure you choose Woofer EXT. from the AV connection option in the Feature menu.

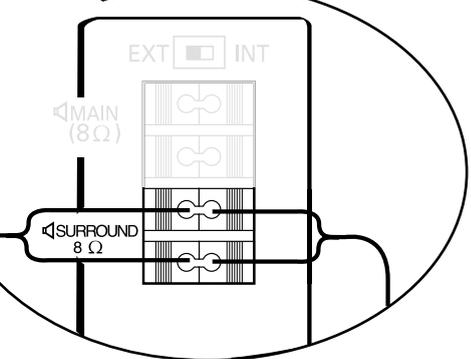
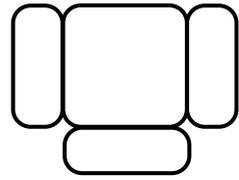


TV



! Always make sure that the lead with the stripe (or raised edge) is connected to the RED terminal and the other (smooth) lead is connected to the BLACK terminal.

! These are suggested positions only. Place your speakers to suit and adjust the balance as necessary.



Surround Speakers

In order to enjoy the sensations of Surround Sound TV it is necessary to connect the two Surround Speakers. These speakers and cables are supplied and should be sited in line with the normal viewing position. To connect the Surround Speakers simply press the connector and insert the cable.

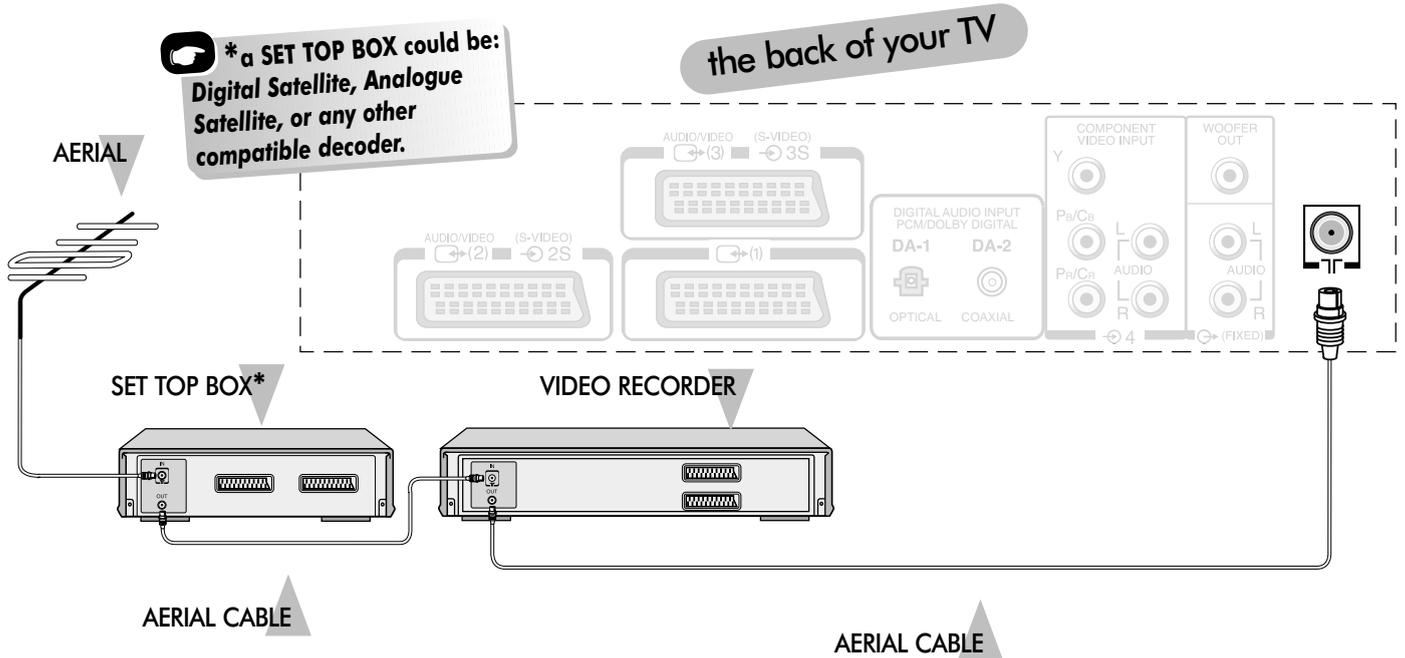
Connecting and turning on your new TV

To conserve energy it is best to turn your TV off and not to leave it in Standby, unless the timer has been set.

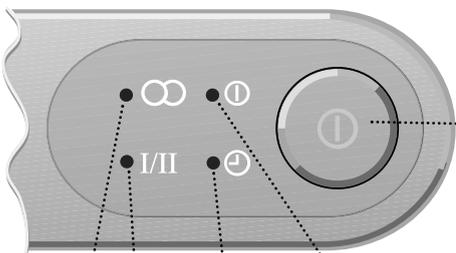
The TV back connections...

Connect the aerial to the socket on the rear of the television. If you use a Set Top Box and/or a video recorder it is essential that the aerial cable is connected through the Set Top Box and/or through the video recorder to the television.

DO NOT CONNECT SCART LEADS UNTIL THE TELEVISION IS FULLY TUNED.



...and switching your new TV on...



On the front of the TV...

If the red power-on light is unlit, press the POWER button on the front of the TV to switch the set on and then press a number button on the remote control to see the screen.

...and with the remote control:

Press the Standby Button 

This allows you to put the set into standby mode when leaving the TV unattended for short periods of time. To return to TV mode press the  button, or any of the numbered buttons on the remote control. The picture may take a few seconds to appear.



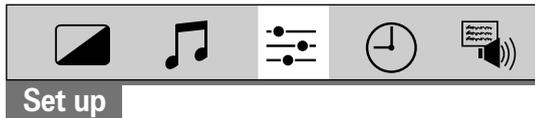
- RED = Power On
- GREEN = On Timer is set
- ORANGE = Bilingual transmission being received
- GREEN = Stereo transmission being received

Choosing the language and Auto tuning

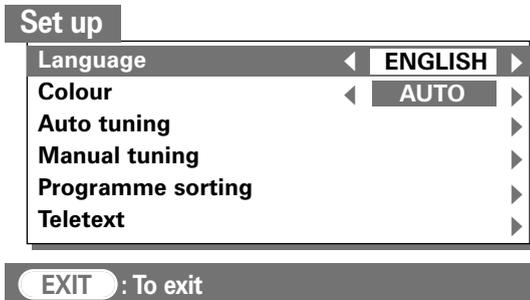
Before running **Auto tuning** turn on your Set Top Box and tune to a main channel. Also turn on the video recorder and set it to Standby. This will enable your television to allocate the necessary programme positions.



- 1 To choose your language, press the **MENU** button, and use the **>** button to select **Set up** from the top bar.

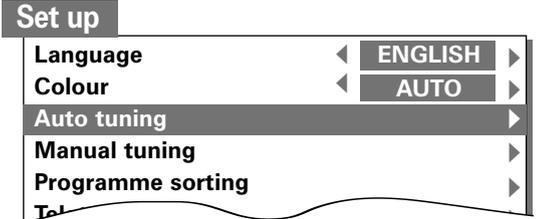


- 2 Now press the **▼** button to highlight **Language** in the **Set up** menu options.

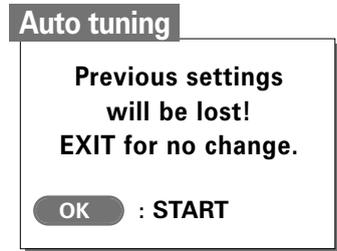


- 3 Press the **<** or **>** button to view the language options available. As you view each language, the wording on the menus will automatically change for you.

- 4 Now press the **▼** button to highlight **Auto tuning**.



- 5 Then the **>** button to go to the **Auto tuning** screen.



EXIT : To exit

- 6 Press **OK** to start.

- 7 The search will begin for all available stations. **▶▶▶▶▶** will flash and the bullet will move along the line as the search progresses.

Allow the television to complete the search.



EXIT : To exit

- 8 When the search is complete the TV will automatically return to programme position 1. This may not be a clear picture, so you may wish to change the station order, using **Programme sorting**, on page 10.

! IF YOU HAVE FINISHED TUNING, YOU MAY NOW CONNECT YOUR SCART LEADS (see page 25).

If you wish to allocate a position for your video recorder, use **Manual tuning**, see page 9.

Manually tuning your TV

As an alternative to **Auto tuning**, you can tune-in your Toshiba television manually using **Manual tuning**. For example: if you are unable to connect the TV to your video with a Scart lead or, if your set top box was not recognised during **Auto tuning**.

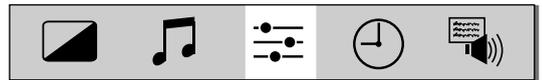
Manual tuning



! If you cannot connect your television to the video recorder using Scart leads you will need to allocate a programme position on the television for the video recorder. Insert a pre-recorded tape and press **PLAY** on the remote control, then **Manual tune...**

... Your TV may display different **Channel numbers...**

- From the top menu bar select **Set up** and with the \blacktriangledown button highlight **Manual tuning** and the \blacktriangleright button to select.



Set up

Language	◀ ENGLISH ▶
Colour	◀ AUTO ▶
Auto tuning	▶
Manual tuning	▶
Programme sorting	▶
Teletext	▶

EXIT : To exit

- Using the \wedge or \blacktriangledown button, highlight the programme position you require e.g. we suggest **Prog. 0** for your video.

Manual tuning

Prog.	Sys.	Channel \blacktriangle	Station
0		60	VCR
1		22	BBC1
2		28	BBC2
3		25	ITV
4		32	CH4
5		* 69	

OK : To select **EXIT** : To exit

- Press **OK** to select.

! You do not need to change the system:
 1 - UK, B/G - Continental Europe,
 L1, L2 - France, D/K - Eastern Europe

- Press the \blacktriangleright button to select **Search**.

! These options will appear as you move across the screen.

Programme	System	Search	Programme skip/ Channel	Manual fine tuning	Station
█	█	█	█	█	█

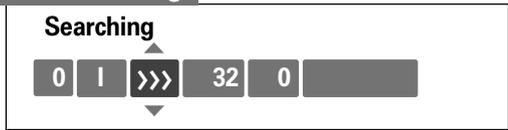
- Programme:** The number to be pressed on the remote control.
- System:** Specific to certain areas.
- Search:** Search up and down for a signal.
- Programme skip:** * means nothing has been stored or the facility to skip the channel is ON. See page 11.
- Channel:** The channel number on which a station is being broadcast.
- Manual fine tuning:** Only used if you experience interference/weak signal. See page 11.
- Station:** Station identification. You can use the \wedge and \blacktriangledown or \blacktriangleleft and \blacktriangleright buttons to enter up to seven characters.

Manually tuning your TV continued

Sorting programme positions

- 5** Press the **^** button to begin the search. **Searching** will flash and the television will show the channel numbers whilst the search is progressing.

Manual tuning

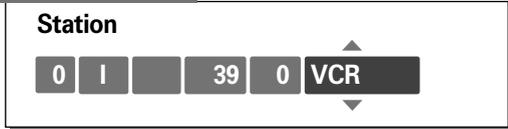


OK : To store **EXIT** : To exit
MENU : To return

- 6** On finding a signal it will show on the television, if it is not your video recorder, press the **^** button again to restart the search.

- 7** When the signal from your video recorder is found, press the **>** button to move along to **Station**. With the **^**, **v**, **<** and **>** buttons, put in the required characters, e.g. **VCR**.

Manual tuning



OK : To store **EXIT** : To exit
MENU : To return

- 8** Now press **OK** to store.

- 9** Repeat for each **programme position** you want to tune, e.g. to tune your set top box to **Programme Position 6** press the **^** or **v** button repeatedly to select **6** then repeat from **step 4**. Or, press **MENU** to return to the list of channels and select the next number to tune.

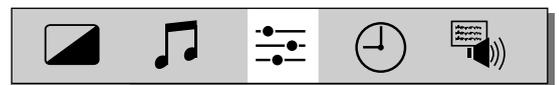
- 10** Press **EXIT** when you have finished tuning in.

PLEASE NOTE This TV has direct channel entry if the channel numbers are known. Select the **Manual tuning** screen in **Step 5**. Enter the **Programme number**, then the **Channel number**. The channel number must be a three digit number ie. 111, 011, 001. Press **OK** to store.

To sort programme positions

After tuning, if you want to change the position of certain programmes you can. **Program sorting** is an easy way of storing each channel on the programme position of your choice.

- 1** Press the **MENU** button and then the **<** or **>** button to select the **Set up** option from the top bar.



Set up

- 2** Press **v** to highlight **Programme sorting** and **>** to select.

Set up



EXIT : To exit

- 3** The list of stations is now showing. With the **v** or **^** button highlight the station you want to move and press **OK** to select.

As you do so the selected station will be moved to the right of the screen.

Programme sorting

Prog.	Channel	Station
1	22	BBC1
2	28	BBC2
3	25	ITV
4	32	CH4
5	* 69	
6	* 69	

OK : To set **EXIT** : To exit

- 4** Use the **v** or **^** button to move through the list to your preferred position. As you do so the other stations will move to make room.

- 5** Now press the **OK** button to set your move.

- 6** Repeat as necessary and then press **EXIT**.

Manual fine tuning and programme skip



Manual fine tuning

Manual fine tuning should not be required unless you experience interference or a weak signal.

- 1 Select **Manual tuning** from the **Set up** menu.

Manual tuning

Prog.	Sys.	Channel	Station
0		60	VCR
1		22	BBC1
2		28	BBC2
3		25	ITV
4		32	CH4
5		* 69	

OK : To select EXIT : To exit

- 2 With the station highlighted, press **>**.
- 3 Press the **>** button repeatedly until the words **Manual fine tuning** are showing.

Manual tuning

Manual fine tuning			
1		22	+ 2 BBC1

OK : To store EXIT : To exit
MENU : To return

- 4 With the **^** or **v** button adjust to get the best picture and sound.
- 5 Press **OK** to store and then **EXIT**.

Programme skip

To prevent certain programmes from being viewed, for example, a certain film by your children whilst you are out for the evening, you can skip the programme position and take the remote control with you. The television will still function as normal using the controls on the front of it, but the set will not show the skipped programme position.

- 1 Press the **MENU** button and from the top menu bar select **Set up**.
- 2 With the **v** button highlight **Manual tuning**. And press the **>** button to select the **Manual tuning** screen.

Manual tuning

Prog.	Sys.	Channel	Station
0		60	VCR
1		22	BBC1
2		28	BBC2
3		25	ITV
4		32	CH4
5		* 69	

OK : To select EXIT : To exit

- 3 Use the **^** or **v** to highlight the programme position to be skipped and press **OK** to select.
- 4 With the **>** button move along to **Programme skip**.
- 5 Use the **^** or **v** button to turn **Programme skip** : On. Press **OK** to store.

Manual tuning

Programme skip : On			
2		* 28	0 BBC2

OK : To store EXIT : To exit
MENU : To return

* on the screen indicates a skipped programme position.

- 6 Then press the **MENU** button and either repeat from **Step 3** or press **EXIT** to finish.

Each programme position has to be **INDIVIDUALLY** selected and set with **Programme skip On or Off**.

The **skipped** programme positions **cannot** now be selected by the **P▲ (^)** and **P▼ (v)** buttons or by the controls on the front of the TV, but can still be accessed by the number buttons on the remote control. To turn **Programme skip OFF**, repeat the procedure on the chosen channel.

General and sound controls



Selecting and changing programme position

Enter the desired programme position number using the numbered buttons on the remote control.

For programme positions below 10 use 0 and the required number i.e. 01 for programme position 1.

You can also change the programme position by using the **P▲** (▲) and **P▼** (▼) buttons.

Use the **↺** button to revert to the previous programme position.

The programme position will be displayed on the screen with the Stereo/Mono indicator, described on page 16.



Sound control

Volume

Press the **▲** (▲) or **▼** (▼) button to adjust the volume.



Sound Mute

Press the **⊘** button to turn the sound off. Press it again and the sound will return.

Bass Boost – to enhance the depth of sound

Press the **🔊** button repeatedly to turn the **Bass boost** on and off. Press the **◀** or **▶** button to adjust the effect.

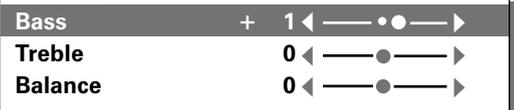
When an active Super Woofer is connected the **🔊** button will control it.

When you connect a Super Woofer, make sure you choose **Woofer EXT.** from the **AV connection** option in the **Feature menu**.

Bass, treble and balance adjustments



Sound



EXIT : To exit

Press the **MENU** button on the remote control, and the **◀** or **▶** button to select the **Sound** option from the top bar.

Press the **▼** button to highlight **Bass**, **Treble** or **Balance** from the **Sound** menu and then the **◀** or **▶** button to change the setting.

Widescreen viewing

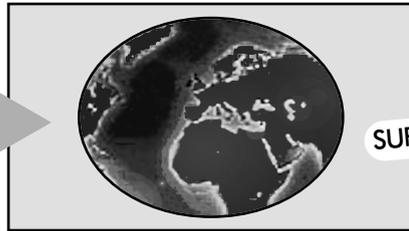
This set is capable of showing broadcasts in a number of formats. Depending on the type of broadcast being transmitted you may select between *Super live*, *Cinema*, *Subtitle*, *14:9*, *Wide* and *4:3*.



Press the button repeatedly to view the options available.

SUPER LIVE

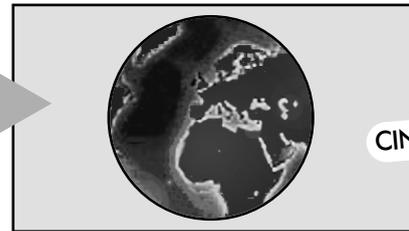
This setting will enlarge the image to fit the screen by stretching the image horizontally, holding the correct proportions at the centre of the image.



Experiment with them all until you find a style that suits you...

CINEMA

When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.



SUBTITLE

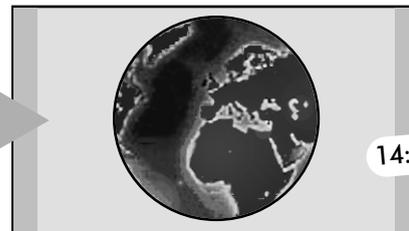
When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.



! Whenever the **MENU** button is pressed the picture size setting will change while the menus are **ON** the screen. This is to ensure the menus do not overlap the edges of the viewable area.

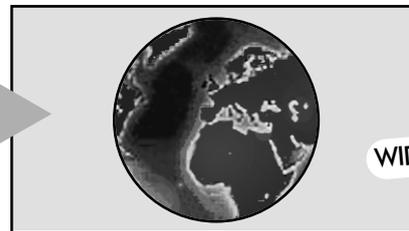
14:9

Use this setting when watching a 14:9 broadcast.



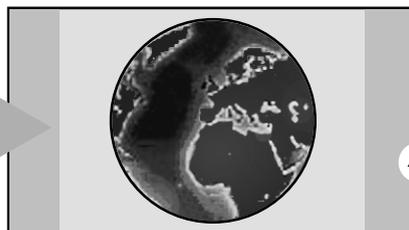
WIDE

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) you may see black bars on the top and bottom of the screen.



4:3

Use this setting to view a true 4:3 broadcast.

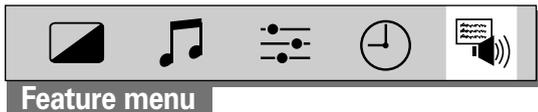


Picture controls

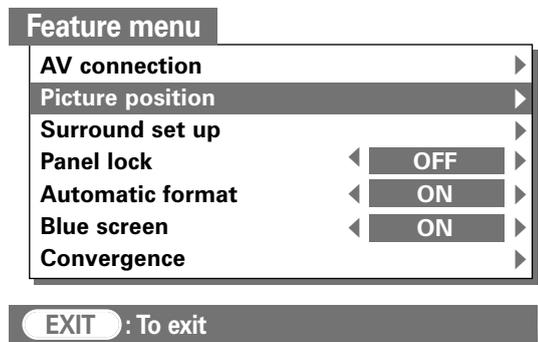
Adjustment to the position of the picture may be made to suit your viewing preferences.

Picture position

- 1** Press the **MENU** button, and use the **>** button to select **Feature menu**.



- 2** Now repeatedly press the **∨** button until **Picture position** is highlighted.



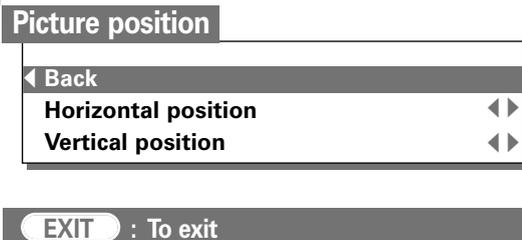
! The options available to you when in the Picture position screen will vary depending upon the widescreen format you have previously chosen, as detailed on page 13.

- 3** Press the **>** button to view the options available for the picture format you have selected.

- 4** With the **∧** and **∨** buttons, highlight an option and with the **<** or **>** buttons select.

- 5** Now use the **<** or **>** buttons to adjust the settings as required and press **EXIT** when you have finished.

In **Cinema**:



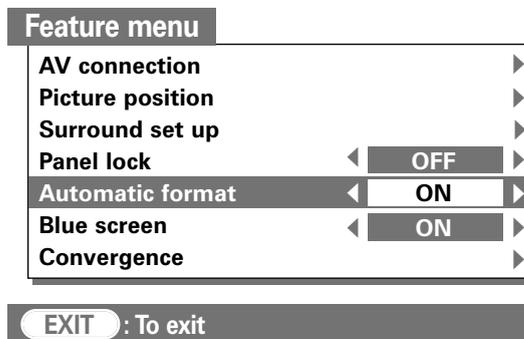
Automatic format (Widescreen)

When this TV receives a true Widescreen picture and **Automatic format** is **ON**, it will automatically be displayed in Widescreen format, irrespective of the TV's previous setting.

- 1** Press the **MENU** button, and use either the **<** or **>** button to select the **Feature menu**. Use **∨** to move down to **Automatic format**.



- 2** Using the **<** or **>** buttons turn **Automatic format ON** or **OFF**.



Picture controls continued

This television offers you the choice of personalising the picture style to suit your own preferences.

Picture Preferences, Scan Mode, Digital Noise Reduction and Still Picture



Picture preferences

By pressing the button you can view the different picture styles available:

Picture mode-1 to **3** for preset options and, **Picture mode-M** is for your own settings:

- 1 So, to set your own, choose **Picture** from the top menu bar.



Picture

Contrast	50	◀	●	▶
Brightness	50	◀	●	▶
Colour	50	◀	●	▶
Tint	0	◀	●	▶
Sharpness	0	◀	●	▶
Scan mode		◀	100Hz	▶
DNR		◀	AUTO	▶

EXIT : To exit

Within this **Picture** menu you have the options to adjust the **Contrast**, **Brightness**, **Colour**, **Tint** and **Sharpness**.

*The **Tint** can only be adjusted on a signal from an NTSC video recorder or DVD player when the television is in **AUTO** colour mode.*

- 2 Using the or button alter to suit your taste.

Scan Mode

Scan mode has two options, both are 100Hz and reduce background flicker. In most situations, the standard **100Hz** setting will give the better picture. In cases of rapid movement, such as team sports, the **NATURAL** setting may give a smoother result.

- 1 Select **Scan mode** from the **Picture** menu.
- 2 With the or button select between **100Hz** and **NATURAL**, to choose the picture you prefer – the difference may only be slight.

DNR – Digital Noise Reduction

DNR enables you to 'soften' the screen representation of a weak signal.

- 1 Select **DNR** from the **Picture** menu. Select between **AUTO** and **OFF** to obtain the best picture. The differences may not always be noticeable.

Still Picture

Using the latest technology this television's 100Hz double scanning plus digital picture processing produces a flicker-reduced picture. In addition, a still – similar to freeze frame on a VCR – can be held on the screen.

- 1 Pressing the button will hold an image on the screen. Press again to return to TV mode.

The timer, time display, panel lock and stereo/bilingual transmissions

The Timer

You can tell the TV to turn itself **ON** or **OFF** after a certain time.

- 1 Select the **Timer** option from the top menu bar.



Timer

Off timer	00:00
On timer	01:30 P 2

0 – 9 : To set
EXIT : To exit

- 2 Select the **On timer** (or the **Off timer**). If, for example, you want the TV to turn ON (or OFF) in one and a half hours time, enter 01:30 using the numbered buttons on the remote control.

- 3 If setting the **Off timer** press **EXIT**. If setting the **On timer**, you must enter the programme position number you want to watch. You must put the set into Standby mode by pressing the \odot button.

Any equipment connected with Scart leads must also be put into Standby mode to prevent them being displayed when the timer switches on.

When the **On timer** has been set, the GREEN On Timer indicator on the front of the TV will be lit (see page 7).

*If the **On timer** has been set, you do not have to wait to watch the television. You can bring the set back to life by pressing the \odot button. However, the GREEN timer light will stay on until the set time period has passed, at which point the TV will go to the chosen channel.*

- 4 To cancel the **On timer**, enter zero in each position including the programme position.

The Time Display

The time display facility allows you to see the current time on the TV screen.

If you press the \odot/\boxtimes button on the remote control whilst watching a normal TV broadcast you will see a time display from the broadcaster.

It will remain on the screen for about 5 seconds.

Panel Lock

Panel lock allows you to disable the buttons on the front of the TV set. You can though, still use all of the buttons on the remote control.

- 1 From the **Feature menu** select **Panel lock** and choose **ON** or **OFF** with the \langle or \rangle buttons.



Feature menu

AV connection	
Picture position	
Surround set up	
Panel lock	ON
Automatic format	ON
PL	

*When **Panel lock** is ON, you will be reminded on the screen when you press any of the front panel buttons. Once the set has been switched off it can **ONLY** be brought out of standby using the remote control.*

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the lights on the front of the TV will be lit. The word Stereo or Dual will appear on the screen, disappearing after a few seconds. The display will reappear each time you change programme positions, provided that the broadcast is in stereo. If the broadcast is not in stereo the word Mono will appear.

Stereo... Choose the required programme number. Press the \odot /II button repeatedly, to select between **Stereo** and **Mono**.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** does appear press the \odot /II button to select between **Dual 1**, **Dual 2** or **Mono**.

AV connections and input selection

...Please see page 25 for a clear view of the back connection recommendations...

Defining your INPUT and OUTPUT sockets so that your television recognises connected equipment.



Most video recorders and Set Top Box receivers send a signal through the Scart lead to switch the TV to the correct *Input* socket. Alternatively press the external source selection button  repeatedly until you see the picture from your equipment. You must use this button to view equipment connected using the COMPONENT VIDEO INPUT (**EXT 4**).

Digital Audio on the screen indicates that the external source has been set as a digital audio input, see below. An **S** e.g. **EXT2S**, indicates the input is set for an S-Video signal.

Input Selection

SELECTING THE DIGITAL AUDIO SIGNAL

This set is provided with 2 digital audio inputs – DA-1 and DA-2 – so that, for example, a DVD player and a games console can stay permanently connected.

Having connected the video signal from your DVD to, say, COMPONENT VIDEO INPUT (**EXT 4**) and from your games console to Scart 3 (**EXT 3**) you will now need to connect the audio cables to the inputs on the back of the set, then match the two up.

- 1 If you have connected to **DA-1** (optical), select **AV connection** from the **Feature menu** and press the  button to highlight **Digital input- 1** then with the  or  buttons, select the appropriate video input, for example **EXT 4** for the DVD player.

AV connection

◀ Back	
Digital input- 1	◀ EXT 4 ▶
Digital input- 2	◀ EXT 3 ▶
EXT2 input	◀ AV ▶
EXT3 input	◀ S-VIDEO ▶
EXT4 input	◀ EXT 1 ▶

- 2 Then for the 2nd connection, press the  button to highlight **Digital input- 2** (coaxial) then with the  or  button, select the appropriate video input, for example, **EXT 3** for the games console.

SELECTING THE VIDEO SIGNAL

This feature allows you to specify the type of signal going into Scarts 2 (**EXT 2**) or 3 (**EXT 3**) on the back of the television and the sockets on the front (which are also **EXT 3**). **AV** is the most common and comes from standard video recorders and Set Top Boxes whereas **S-VIDEO** signals are less common. (Please refer to the manufacturer's specification.)

- 1 From the **Feature menu** select **AV connection** and with the  or  button select either **AV** or **S-VIDEO** as the required *input* for **EXT2** and **EXT3**.

AV connection

◀ Back	
Digital input- 1	◀ EXT 4 ▶
Digital input- 2	◀ EXT 3 ▶
EXT2 input	◀ AV ▶
EXT3 input	◀ S-VIDEO ▶
EXT4 input	◀ EXT 1 ▶

Selecting the OUTPUT signal for Scart 2

This feature enables you to select the source to *output* from Scart 2. e.g. If you connect a stereo Set Top Box to Scart 1 and a stereo video recorder to Scart 2, and select **EXT 1** as the **EXT2** output (i.e. you will output the signal received through Scart 1 directly out to Scart 2), you will be able to record the stereo Set Top Box transmission in stereo.

- 1 Again, from the **Feature menu** select **AV connection**.

AV connection

◀ Back	
Digital input- 1	◀ EXT 4 ▶
Digital input- 2	◀ EXT 3 ▶
EXT2 input	◀ AV ▶
EXT3 input	◀ S-VIDEO ▶
EXT2 output	◀ EXT 1 ▶
Woofers	◀ EXT. ▶

- 2 Using the  or  buttons change the **EXT2 output** option to either **Monitor**, **TV**, **EXT 1** or **EXT 3**.
Monitor = The picture on screen
TV = The last television programme selection.
EXT 1 = the picture from equipment connected to Scart 1.
EXT 3 = the picture from equipment connected to Scart 3 or the front input sockets.

Dolby Digital

Dolby Digital is available from DVD players, some games console players, etc. These must be connected using a Scart or phono lead for the picture **AND** an optical or a coaxial cable for the sound see page 25.

Dolby Digital

Arrange the speakers around your normal viewing positions (as shown on page 6) and then make sure that the TV is set up as follows:

- 1 The DVD/Games console is connected to the TV using phono leads to the COMPONENT VIDEO INPUT or a Scart lead to Scart 3, **and** an optical or coaxial cable to the optical/coaxial sockets, DA-1 or DA-2.
- 2 The **Digital input-1** (optical)/ **Digital input-2** (coaxial) in the **AV connection** menu (see page 17) is set to **EXT 3** if Scart 3 is used or **EXT 4** if the equipment is connected to COMPONENT VIDEO INPUT.
- 3 If external front speakers are connected the external switch (found on the back of the TV) is set to **EXT**. You will not hear the centre channel without external front speakers connected.
- 4 Rear speakers are connected and the **Rear speaker** option in the **Surround set up** menu is set to **YES**. (See next page.)

EXT INT

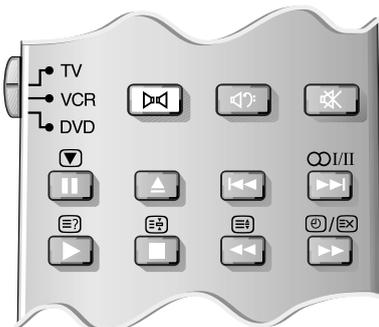
DELAY TIME...

If you sit a long way from the TV and close to the rear speakers the sound from the rear will reach you before the sound from the front. You can use a higher setting in the **Delay time** option to restore the correct balance.

- 1 From the **Feature** menu select **Surround set up**.
- 2 With **Delay time** highlighted, press the **▶** button then use the **◀** or **▶** button to change the setting to a value that suits you.
- 3 Press **EXIT** when you have finished.

! If rear speakers are **NOT** selected in the **Surround set up** menu, you will not hear any sound from your rear speakers.

Adjustments



- 1 Set the **volume** and **balance** of the front speakers to your preference.
- 2 Play a Dolby Digital source and press the **▶** button on the TV's remote control. The title, e.g. **Dolby Digital 3/2**, is an indication of the channels available from your current sound source, see the table.
- 3 To adjust the levels, use the **▲** or **▼** button to select the centre and two rear speakers in turn. Press either the **◀** or **▶** button to adjust. The number of adjustable speakers will depend upon the signal received from the DVD player.
- 4 To cancel the test press the **EXIT** button.

! Alternatively, use the **Test mode** in the **SURROUND SET UP** menu, see page 19.

If the DVD playing is recorded in Dolby Pro Logic, i.e. 4 channel stereo (front left, front right, centre and rear) the TV will detect the 4 channels.

In this instance, when the **Surround Test Mode** is run the TV will cycle through the four channels in use.

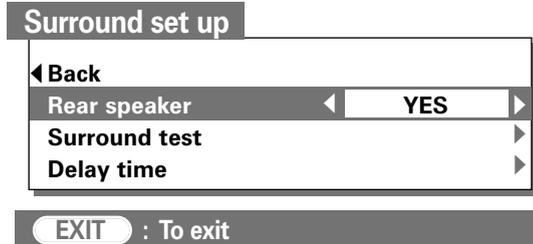
In order to get full Dolby Digital, the DVD player must be connected using the coaxial or optical links.

Dolby Digital

- 1/0 = Centre speaker only.
- 2/0 = Front Left and Front Right only.
- 2/1 = Front Left and Front Right + Rear Left and Rear Right combined.
- 2/2 = Front Left and Front Right + Independent Rear Left and Independent Rear Right.
- 3/0 = Front Left and Front Right and Centre. No Rear Speakers.
- 3/1 = Front Left and Front Right and Centre + Rear Left and Rear Right combined.
- 3/2 = Front Left and Front Right and Centre + Independent Rear Left and Independent Rear Right.

Dolby Pro Logic

Dolby Pro Logic – available on many TV broadcasts in addition to video tapes, uses a combination of 4 speaker channels – front-left, centre, front-right and two rear. If external front speakers are not connected, the left and right front channels will be delivered through the speakers in the TV and you will not hear a centre channel.



- 1 From the **Feature menu** select **Surround set up**.
- 2 Using the < or > buttons turn **Rear speaker** to **YES**.

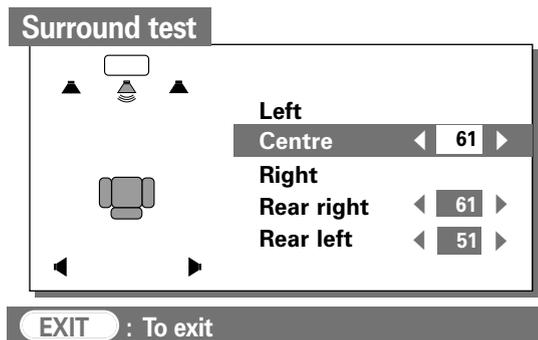
! **YES** in the **Rear speaker** option must be chosen for the **Test Mode** below to function...

Surround Test Mode

! **Remember...** Check that Rear speakers are connected and the **Rear speaker** option in the **Surround set up** menu is set to **YES**.

! If you cannot connect rear speakers try selecting **Dolby 3 Stereo** in Step 2, but you must have external front speakers connected and the external switch set to **EXT**.

- 1 Sit in your usual viewing position.
- 2 Press the button to bring up the **Surround** menu. With **Dolby Pro Logic** selected, **EXIT** and go to the **Feature menu** to select the **Surround test** from the **Surround set up** menu.



- 3 Use the < and > buttons to adjust.

! The test will play a 'white noise' through each speaker in turn. The display will show you which speaker is in play, adjustments may be made whilst it is highlighted. The Centre channel will only be adjustable once the external switch has been set to **EXT**.



! Inserting the headphone jack will mute the sound from all speakers and deliver a normal stereo left and right signal. There are no Dolby Digital or Surround effects available when using headphones.

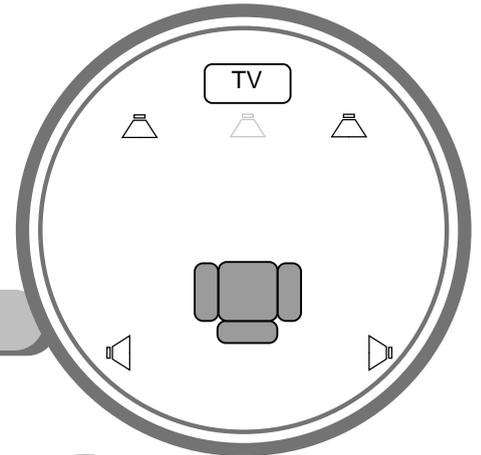
Digital Surround Processor

Please note: **Hall**, **Theatre**, **Disco**, and **Stadium** effects are only available on a stereo signal. **Pseudo surround** works on both mono and stereo signals. All of the Digital surround modes are adjustable, the method of adjustment being described below, is the same for all the Digital Surround effects.

- 1 Press the  button to bring up the **Surround** menu.
- 2 Press the  or  button repeatedly to select the digital mode which best suits the type of broadcast.
- 3 Then press the  button to access the adjustments screen and with the , ,  and  buttons, adjust the levels as required.

...if you choose to adjust one **Digital Surround** mode, you will not effect the others.

SURROUND SOUND uses a combination of 4 speakers – front-left, front-right and two rear speakers.



Surround Sound: Hall

To reproduce in the living room the surround effects similar to those experienced in a large concert hall. *Ideal for TV programmes or music video tapes.*



Surround Sound: Pseudo

To create a synthetic sound effect for movies and TV shows recorded in mono.



Surround Sound: Theatre

To reproduce the surround effects similar to those experienced in a movie theatre filled with a rich warm sound. *Ideal for movies with stereo sound.*



Surround Sound: Stadium

To reproduce the surround effects similar to those experienced in a large football or baseball stadium packed for a live game.



Surround Sound: Disco

To create the atmosphere of a room so full of music that it seems to engulf the listener. *An ideal sound mode for listening to pop videos.*

Surround Sound: Off

Uses only the front left and right speakers. This mode can be selected for watching news broadcasts and the like which require no special sound features.

Teletext – setting up

This TV has a multi page teletext memory, which takes a few moments to load and it offers two ways of viewing text – **AUTO** and **LIST** which are explained on the next page.

Selecting the character set and viewing mode and general information



Selecting characters and modes

Before using teletext you can choose the correct alphabet (**Character**) and whether to view in **LIST** or **AUTO** mode, (explained on the next page).

- From the **Set up** menu, use the \wedge or \vee button to highlight **Teletext** and then the \rightarrow button to select.
- With **Character** highlighted, use the \rightarrow button to select your required character set.

Teletext



Select **CHARACTER-1** for UK

- To select the **Mode**, with the \vee button highlight **Mode**.

- With the \leftarrow or \rightarrow button choose **AUTO** or **LIST**.
- Press **EXIT** to finish.

About teletext

The \equiv / \square button:

Pressing the \equiv / \square button once will bring up the teletext screen. Pressing it again will superimpose it over the TV picture. Press again to return to normal TV mode. You need to return to normal viewing if you wish to change channels.

When you first press the \equiv / \square button to access the text service, the first page you see will be the *initial* page.

In **AUTO** mode this displays the main subjects available and their relevant page numbers.

In **LIST** mode you will see whichever page number is currently stored on the **RED** button.

To access any teletext page, enter the 3 digit page number, using the numbered buttons on the remote control, e.g. 430.

To advance to the next page of teletext, press the **P** \blacktriangle (\wedge) button, to go back to the previous page press the **P** \blacktriangledown (\vee) button.

Sub-pages

Once in this chosen page, if there are *sub-pages* they will automatically load into memory. Arrows will appear alongside the page number, indicating *sub-pages* which have loaded to the left or right of the one on the screen.

To access the *sub-pages* in memory press the \ominus button, then use the \leftarrow and \rightarrow buttons to view them.

Whilst in *sub-pages* mode an indicator will show in the bottom left of the screen. After inactivity of one minute the indicator will disappear. To access the *sub-pages* again press the \ominus button.

To alter the volume you will need to cancel *sub-pages* mode by pressing the \ominus button first.

These *sub-pages* will remain available until you choose another page or, in normal TV mode, you change channel.

Teletext continued

– Auto and List modes

Moving around the teletext pages in **AUTO** and **LIST** modes and selecting favourite pages

Moving around



There are two **Modes**: **AUTO** will display **FASTEXT**, if available. **LIST** will display your four favourite pages. In either mode, as an alternative to the coloured buttons you can access a page by entering a 3-digit number, using the buttons on the remote control.

Auto

Press the button to access teletext.

In **AUTO** mode, if **FASTEXT**, is available, you will see four coloured titles at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control, corresponding to the title.

For further information on your particular text system(s), see the broadcast teletext index page or, consult your local Toshiba dealer.

List

In **LIST** mode, the four choices at the bottom of the screen are now numbers – 100, 200, 300 and 400, which have been programmed into the TV's memory.

To view these pages use the coloured prompt buttons e.g. press the **GREEN** button to view page 200.

If you want to *change* these stored pages press the coloured button for the colour you want to change, e.g. **GREEN** and enter the 3 digit number.

This number will change in the top left of the screen and in the coloured highlight.

Now press **OK** to store your choice. The bars at the bottom of the screen will flash white.

If you do not press **OK** to confirm your change, you will not have stored your choice and it will be forgotten when you leave the teletext screen.

You may view other pages by simply entering the 3 digit page number – but **DO NOT** press **OK** or you will lose the favourite already stored.



Whenever you press **OK** all four page numbers showing along the bottom will be stored and the previous ones will be lost.

The rest of the text control buttons are explained on the next page...

Remember to cancel text before changing channels
– press the  button twice.

Teletext continued

– control buttons

Now you have set up teletext, below is a guide to the remote control teletext buttons and their functions.

Using the buttons on the remote control



1 To display an index/initial page:

In **AUTO**-mode

Press the  button to access index pages. The one displayed is dependant on the broadcaster.

In **LIST**-mode

Press the  button to return to your page currently stored on the **RED** button.

2 To display a page of teletext:

Press the  button to display teletext. Press again to superimpose the teletext screen over the TV picture. Press again to return to normal TV mode. You cannot change programmes until you return to normal TV.

3 To reveal concealed text:

Some pages cover topics such as quizzes and jokes. To discover the solutions press the  button.

4 To hold a wanted page:

This feature is included as it is part of the broadcast teletext system but you will not need it as this TV allows you to control the display of sub-pages.

5 To enlarge the teletext display size:

Press the  button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

6 To select a page whilst viewing a normal picture:

When in teletext mode, if a page selection is made and then the  button is pressed, a normal picture will be displayed. The TV will indicate when the page is present by displaying the page number at the top of the screen. Press the  button to view the page.

To display news flashes:

To view news flashes as they are broadcast, select the news flash page for the particular teletext service (see the index page of teletext service). Press the  button. The news flashes will be displayed as and when they are broadcast. Press the  button to cancel the display.

You must cancel the news flash page before changing channels.

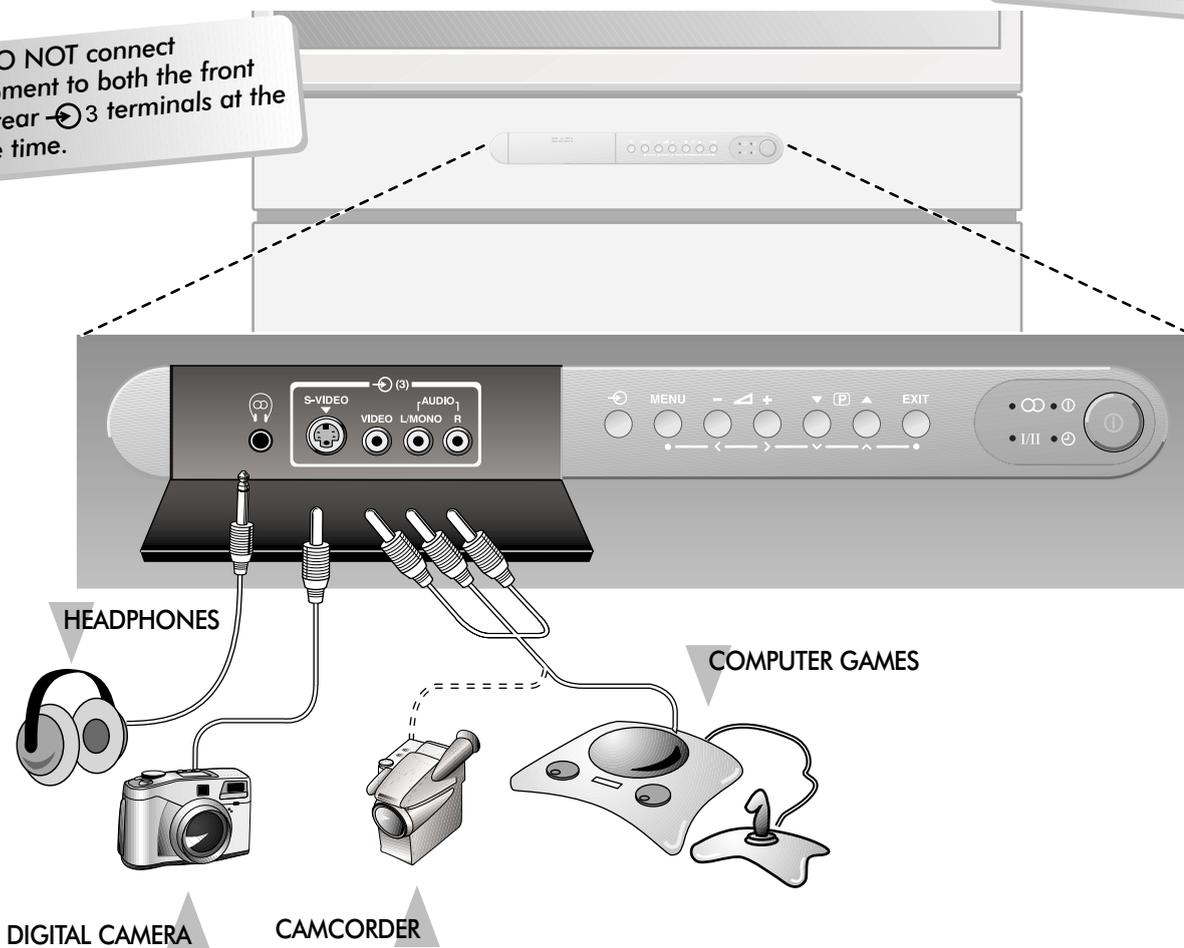
Front connections and controls

You can connect a wide variety of external equipment via the sockets located behind the flap on the front of the TV. Press the centre of the flap to open it.

Front connections

! Please always refer to the owner's manual of the equipment to be connected for full details.

! DO NOT connect equipment to both the front and rear 3 terminals at the same time.



Before connecting any external equipment, turn off all main power switches.

If you connect mono sound equipment to **Input 3**, connect the audio output of the equipment to the L/Mono socket on the TV.

To select the front Inputs, press the button until the display shows **EXT3** or **EXT3S** as described on page 17.

Please note: Inserting the headphone jack will mute the sound from all speakers.

Front controls

Whilst all the necessary adjustments and controls for your new TV are made using the remote control, the buttons on the front of the TV may be used for some functions...

For example, to alter the volume press the buttons,

and to alter the programme position press the buttons...

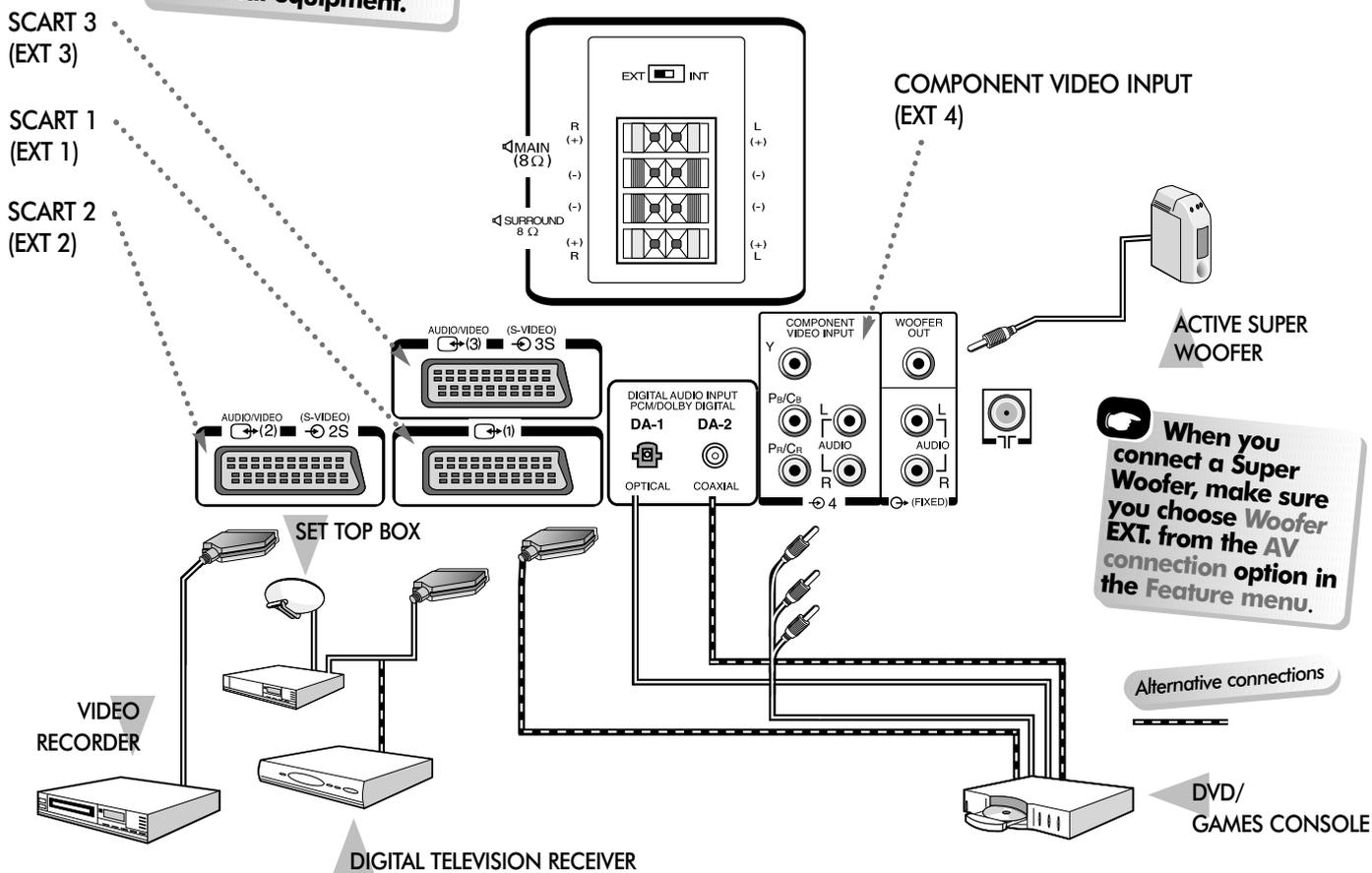
...press the **MENU** button and control the sound and picture options with the buttons.

Use **EXIT** to cancel the displays.

Back connections

We recommend **Scart 1** for a Set Top Box, **Scart 2** for a VCR and **Scart 3** for additional equipment.

Back connections



Before connecting any external equipment, turn off all main power switches.

On the back of the TV are 3 Scart sockets and a selection of other sockets, all of which will enable you to connect a variety of external equipment.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2** or **EXT3** accordingly. See page 17.

In addition there is a fixed external audio output which enables the connection to a suitable Hi-Fi unit and a phono socket to enable an active Super Woofer to be connected. **When you connect a Super Woofer, make sure you choose Woofer EXT. from the AV connection option in the Feature menu.**

If your TV automatically switches over to monitor the external equipment you can return to normal TV simply by pressing the desired programme position button.

To recall the external equipment, press the **EXT** button repeatedly to select between **EXT1**, **EXT2**, **EXT3** or **EXT4**.

When watching external equipment the choice in the **Set up** menu is restricted.

Set up

Language	◀ ENGLISH ▶
Colour	◀ AUTO ▶
Teletext	▶

EXIT : To exit

Questions and Answers...

If you experience what seem like problems operating your TV, we recommend you read through these simple checks before calling the helpline.

Q Why is the screen fuzzy, and the colours not clear?

A On this television the red, green and blue images are projected separately onto the screen. They converge to form a full colour picture and when they converge correctly you will see a clear screen. It is especially apparent when viewing cartoons.

The colour convergence is factory set and should need little or no adjustment. However, convergence may drift over time or if you move the TV.

To realign the colour...

- From the **Feature menu** select **Convergence**.

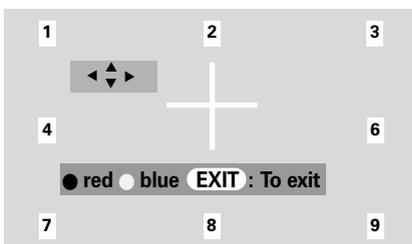


Feature menu

AV connection	▶
Picture position	▶
Surround set up	▶
Panel lock	◀ OFF ▶
Automatic format	◀ ON ▶
Blue screen	◀ ON ▶
Convergence	▶

EXIT : To exit

- To adjust the colours, press the **RED** or **BLUE** button to select **RED** or **BLUE** and then the **<** or **>** and **^** or **v** buttons to adjust until the white cross has no 'shadow'.



- Press the **EXIT** button to go back to the TV screen to check the picture. If more adjustment is needed, simply repeat **steps 1** and **2** above.

If the edges of the screen are not right, select the numbers in turn e.g. number 1 to select the top left hand corner of the screen, and repeat **step 2**.

- Press **EXIT** to finish.

Q Why is there no sound or picture?

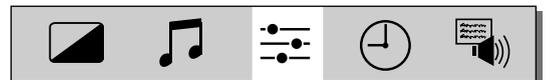
A Check that the mains switch is on and check all the connections. Press the Standby button  on the remote control to make sure that the TV is not in Standby mode.

Q There IS a picture, but why is there little or no colour?

A There is little or no colour...
When using an external source, for instance, a poor quality video tape, if there is little or no colour, improvements may sometimes be achieved. The television is factory set to **AUTO** in the **Set up** menu to automatically display the best colour system.

To check that you have the best colour...

- From the **Set up** menu select **Colour**.



Set up

Language	◀ ENGLISH ▶
Colour	◀ AUTO ▶
Auto tuning	▶
Manual tuning	▶
Programme sorting	▶
Teletext	▶

EXIT : To exit

- With the **<** or **>** button, choose between **AUTO**, **PAL**, **SECAM**, **NTSC 4. 43** or **3. 58**.

Q Why are there distorted images/faded colours?

A This is sometimes due to condensation if the room temperature rises rapidly or if the TV is moved from a cold room to a warm room. If you leave the set turned on for a while this should improve the images.

Q Can anything else cause a poor picture?

A Yes, interference or a weak signal. Try a different TV station.

Manual fine tuning may help.

Questions and Answers... continued

Remember...

For television operation queries, please ring the helpline...



Q Why can't I see the video tape I am playing?

A Make sure you have connected the VCR to the TV using a **Scart lead** and then select the correct input using the  button.

Q Why is the video recorder picture in black and white?

A The **input** socket maybe set to **S-VIDEO** in the **AV connection** menu.

Q Why is the video picture good but there is no sound?

A Check Scart lead connection. Check **Digital input OFF**. See **AV connections**.

Q Why doesn't the remote control work?

A Check that the switch on the side is in TV mode. Check that the batteries aren't dead and that they are inserted correctly.

Q I have a picture, but why have I no sound?

A Press the volume button +  or the sound mute  button.

Q Why am I having problems with teletext?

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the Text is unreadable or garbled, check your aerial. Go to the *main index* page of the teletext service and look for the *User Guide*. This will explain the basic operation of teletext in some detail. If you need further information on how to use text see the *teletext* section.

Q Why don't the controls on the front of the TV work?

A Check that **Panel lock** is not **ON**.

Q Why is there a message permanently on the screen?

A Remove it by pressing the **CALL** button.

Q Why doesn't my External Super Woofer work?

A When you connect a Super Woofer, make sure you choose **Woofer EXT** in the **AV connection** menu.

Q Why has my screen turned blue?

A **Blue screen** in the **Feature menu** is **ON**. When no signal is being received, the TV will turn off the sound and switch the TV screen to blue. After 20 minutes the TV will switch to Standby mode.

Q Why is there no Dolby Surround?

A If you are unable to obtain surround sound effects from the rear speakers whilst playing a Dolby Surround video tape, check that the video recorder is a stereo unit and is connected by a scart lead. Then check the **Surround set up** in the **Feature menu**.

Q Why is there no Dolby Digital?

A If you are unable to obtain full Dolby Digital check: The **Rear speaker** (in **Surround set up**) says **YES** and the equipment is either connected by a phono or optical link as well as through a Scart socket or **COMPONENT VIDEO INPUT**. Also check that the correct external source is selected i.e. **EXT 3** or **EXT 4** (in **AV connection**).

If you connect external front left and right speakers, you must set the External speaker switch to **EXT** to get the full benefit of Dolby Digital – if the switch is left on **INT** the external speakers will not function. **Turn the television off** before changing the position of the switch.

Q Why is there no sound from the external left and right speakers?

A Check the speaker switch has been set to **EXT**.

Subject	Page	Subject	Page
Audio Output	25	Programme Selection	12
Auto Tuning	8	Programme Skip	11
Automatic Format	14	Programme Sorting	10
AV connections	17	Questions and Answers	26
Balance	12	Remote Control	5
Bass	12	Scan Mode	15
Bass Boost	12	Scart	25
Bilingual Broadcast	16	Sharpness	15
Blue Screen	27	Sound Mute	12
Brightness	15	Speaker Connections	6
Colour	15	Standby	7
Colour System	26	Stereo	16
Connections – back	25	Still Picture	15
Connections – front	24	Super Woofer	12
Contrast	15	Surround Set Up – Dolby	19
Convergence	26	Surround Set Up – Dolby Digital	18
Digital Noise Reduction	15	Surround Set Up – Digital Processor	20
Direct Entry of Channels	10	Switch on TV	7
Front Controls	24	Teletext	21
Headphone Socket	24	Time Display	16
Input Selection	17	Timers	16
Installation	4	Tint	15
Language	8	Treble	12
Manual Fine Tuning	11	Tuning a programme position for your VCR	9
Manual Tuning	9	Tuning – Auto	8
Mono	16	Tuning – Manual	9
Panel Lock	16	Volume	12
Picture Position	14	Widescreen Viewing	13
Picture Preferences	15		

Specifications and accessories

Broadcast systems/channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin Scart	RGB, A/V
EXT2	Input/Output	21-pin Scart	A/V, S-video, Selectable output
EXT3	Input (back) Input (front)	21-pin Scart 4-pin Phono jack Phono jacks	A/V, S-video S-video Video Audio L + R
EXT4	Input	Phono jacks Phono jacks	Y, P _B /C _B , P _R /C _R Audio L + R
	Digital Audio Input	Optical or Coaxial	
	Fixed Output	Phono jacks	Audio L + R
	Output to Active Super Woofer	Phono socket	

Programme Positions

100

Stereo

Nicam/MPX

Visible Screen Size

42WH18B 107cm
50WH18B 127cm

Display

16:9

Sound output (at 10% distortion)

Main 14W + 14W
Centre 20W
Surround 10W + 10W

Power consumption

42WH18B 205W
50WH18B 205W

Dimensions

42WH18B 1005mm (W) 1161mm (H) 415mm (D)
50WH18B 1174mm (W) 1266mm (H) 555mm (D)

Weight

42WH18B 51kg (approx.)
50WH18B 74kg (approx.)

Headphone Socket

3.5mm stereo

Accessories

Remote control
2 batteries (R03 or AAA)
Surround speakers

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