TOSHIBA

AV50*
Series

IN NEED OF HELP

For television
operation queries,
please ring the
helpline…

Toshiba customer helpline
· 0115 976 6958 ·

REGZA

Contents

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SETTING UP

Safety Precautions

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

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Mains Supply

The mains supply required for this equipment is 220-240v AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the television 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 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 REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.**
>
> **THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.**

Do not

DO NOT 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.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT 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.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT 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 by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT 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.

WARNING – excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

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

4

Installation and important information

Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place on a sturdy platform, the mounting surface should be flat and steady. **It should be secured to the wall with a sturdy tie using the clip on the back of the stand, or secured to the platform using the fixing strap located underneath the table top stand, this will prevent it from falling over.**

The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

*Sturdy tie
(as short as possible)*

Clip

Clip

Clip

Side View **Top View**

Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.
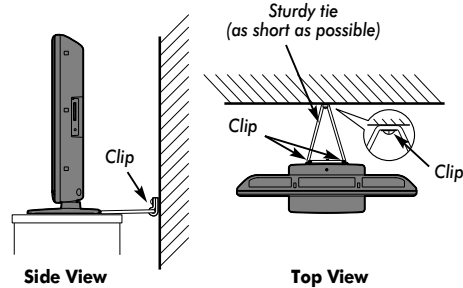
Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i)   fire;
ii)   earthquake;
iii) accidental damage;
iv)   intentional misuse of the product;
v)   use of the product in improper conditions;
vi)   loss and/or damage caused to the product whilst in the possession of a third party;
vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

NOTE: A Toshiba wall bracket or stand, where available, must be used. If a non Toshiba wall bracket or stand is used the product's BEAB approval will become void and the equipment is then used at the consumers own risk.

• The digital reception function of this television is only effective in the countries listed in the "COUNTRY SET UP" section of the "DIGITAL MENU". Depending on country/area, some of this television's functions may not be available. Reception of future additional or modified services can not be guaranteed with this television.

• If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.

• Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturers warranty. Regular use of other size modes (eg: Superlive) and varying the "side panel" brightness (if available on the model) will prevent permanent retention.

The remote control

Simple at-a-glance reference of your remote control.

TOSHIBA
CT-90300
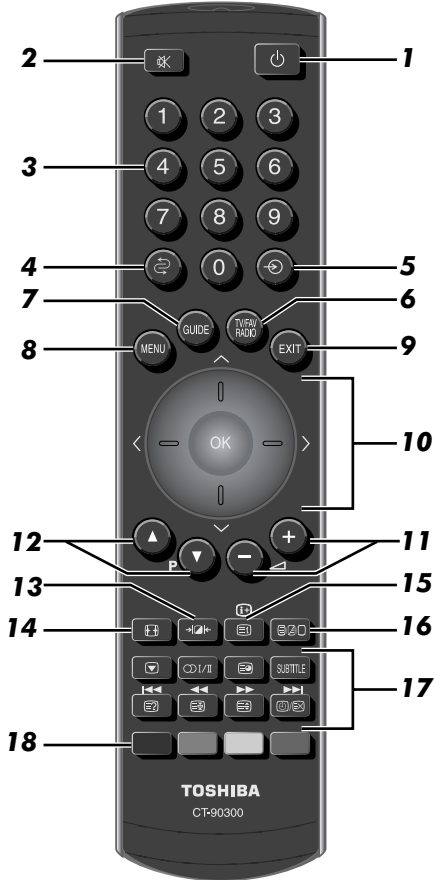
1 For On/Standby mode

2 To mute the sound

3 Number buttons

4 To return to the previous programme

5 To select input from external sources, **analogue** or **digital** TV

6 To switch between TV, Radio and Favourite programmes when in **digital** mode

7 To display the **digital** on-screen Programme Guide

8 On-screen Menus

9 To exit Menus

10 When using menus press ∧ (up), ∨ (down), < (left) and > (right) to move the cursor on the screen. (OK) to confirm your selection

11 To alter the volume

12 To change programme positions and text pages

13 Selectable picture preferences

14 Widescreen viewing

15 To display on-screen information

16 To call up text services in **analogue** mode and interactive services in **digital** mode

17 **When in TV mode:**

▼	Still picture
◯I/II	Stereo/bilingual transmissions
SUBTITLE	Digital Subtitles
◯/≡×	Time display

When using the Programme Guide:
- I◀◀ – 24 hours
- ▶▶I + 24 hours
- ◀◀ – 1 page
- ▶▶ + 1 page

18 Text and interactive service control buttons

Inserting batteries and effective range of the remote
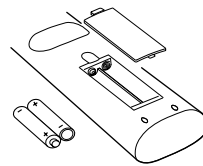
Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area. **Warning:** batteries must not be exposed to excessive heat such as sunshine, fire or the like.

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 television. If the operating range becomes reduced the batteries may need replacing.

6

Connecting external equipment

Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.

HDMI™ INPUT SOCKETS

VIDEO INPUT (EXT4)

COMPONENT VIDEO INPUT (EXT3)

SCART 2 (EXT2)

SCART 1 (EXT1)

FIXING STRAP

CABLE HOLDER

⬛ *a decoder could be Digital Satellite or any other compatible decoder.

⬛ The cable holder can be used for aerial, media recorder and audio cables. Do not use as a handle and remove all cables before moving the television.

decoder*
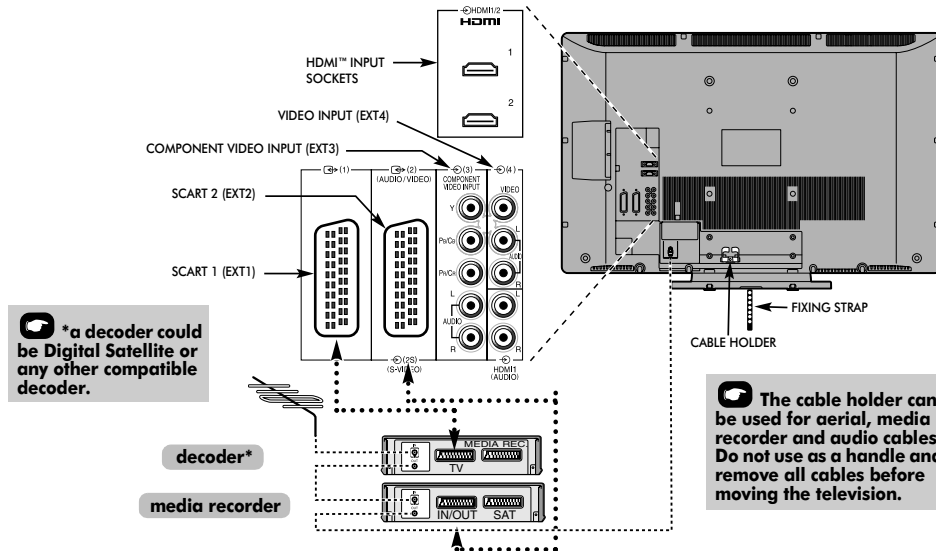
media recorder

Aerial cables: -

Connect the aerial to the socket on the rear of the television. If you use a decoder* and/or a media recorder it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television.

SCART leads: . . . .

Connect the video recorder **IN/OUT** socket to the television. Connect the decoder **TV** socket to the television. Connect the media recorder **SAT** socket to the decoder **MEDIA REC**. socket.

Before running **Auto tuning** put your decoder and media recorder to **Standby**.

The phono sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals.

The phono sockets alongside the VIDEO INPUT socket will accept L and R audio signals.

HDMI™ (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i high-definition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals.

NOTE: Although this television is able to connect to HDMI equipment it is possible that some equipment may not operate correctly.

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for *all* additional equipment must be referred to.

We recommend *SCART 1* for a decoder and *SCART 2* for a media recorder.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2**. See *page 31*.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊕ to select between **DTV**, **EXT1**, **EXT2**, **EXT3**, **EXT4**, **HDMI1**, **HDMI2** or **ATV**.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

SETTING UP

Connecting an HDMI™ or DVI device to the HDMI input

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device, or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) program material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable video signal formats, see page 9.

NOTE:
• Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.
• Supported Audio format: Linear PCM, sampling rate 32/ 44.1/48kHz.

To connect an HDMI device

Connect an HDMI cable (type A connector) to the HDMI terminal.

For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (HDMI).

• HDMI cable transfers both video and audio. Separate analog audio cables are not required (see illustration).
• See "HDMI1 audio" on page 32.

HDMI cable
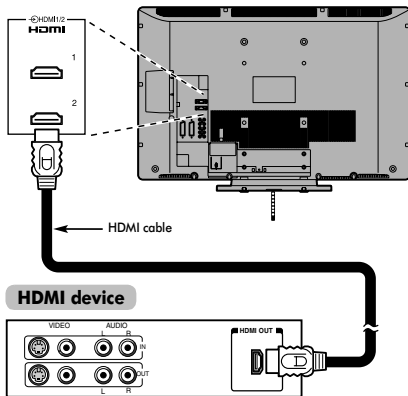
HDMI device

To view the HDMI device video, press the ⏷ to select HDMI1 or HDMI2 mode.

To connect a DVI device

Connect an HDMI-to-DVI adapter cable (HDMI type A connector) to HDMI1 terminal and audio cables to the HDMI1 Audio socket (see illustration).

• The recommended HDMI-to-DVI adapter cable length is 6.6 ft (2m).
• An HDMI-to-DVI adapter cable transfers video only. Separate analog audio cables are required.
• See "HDMI1 audio" on page 32.

Audio cable for HDMI to television connection (not supplied)

HDMI-to- DVI adapter Cable
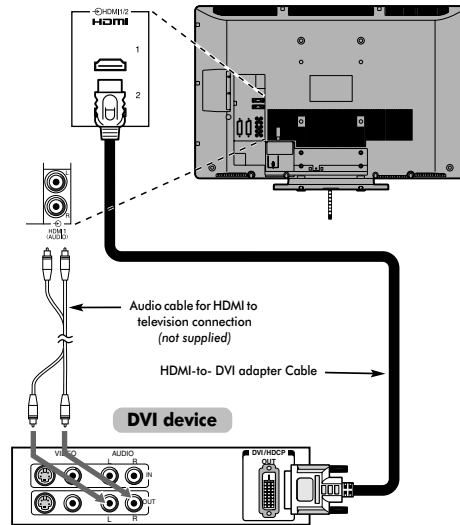
DVI device

NOTE:
To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

• When turning on your electronic components, turn on the television first, and then the HDMI or DVI device.
• When turning off your electronic components, turn off the HDMI or DVI device first, and then the television.

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

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Connecting a computer

With the HDMI connection, you can watch your computer's display on the television and hear the sound from the televisions speakers.

To connect a PC to the HDMI terminal

When connecting a PC to the HDMI terminal on the television, use an HDMI-to DVI adapter cable and analog audio cables.

If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). Separate analog cables are not necessary (see page 8).
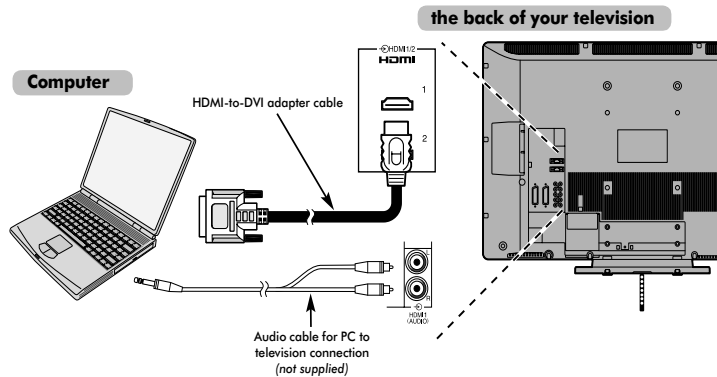
For acceptable PC signal formats, see "Acceptable video or PC singnals through HDMI terminals".

NOTE: The edges of the images may be hidden.

Acceptable video or PC signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 × 480i	59.940/60.000Hz	15.734/15.750kHz	27.000/27.027MHz
576i	720 × 576i	50.000Hz	15.625kHz	27.000MHz
480p	720 × 480p	59.940/60.000Hz	31.469/31.500kHz	27.000/27.027MHz
576p	720 × 576p	50.000Hz	31.250kHz	27.000MHz
1080i	1920 × 1080i	59.940/60.000Hz	33.716/33.750kHz	74.176/74.250MHz
1080i	1920 × 1080i	50.000Hz	28.125kHz	74.250MHz
720p	1280 × 720p	59.940/60.000Hz	44.955/45.000kHz	74.176/74.250MHz
720p	1280 × 720p	50.000Hz	37.500kHz	74.250MHz
VGA	640 × 480p	59.940/60.000Hz	31.469/31.500kHz	25.175/25.200MHz

Using the controls

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.

COMMON INTERFACE The Common Interface is for a Conditional Access Module (CAM). Contact a service provider.

Headphone jack

*GREEN LED - Active standby (**digital** only)*   *RED LED – Standby GREEN LED – Power on*   *Standby*
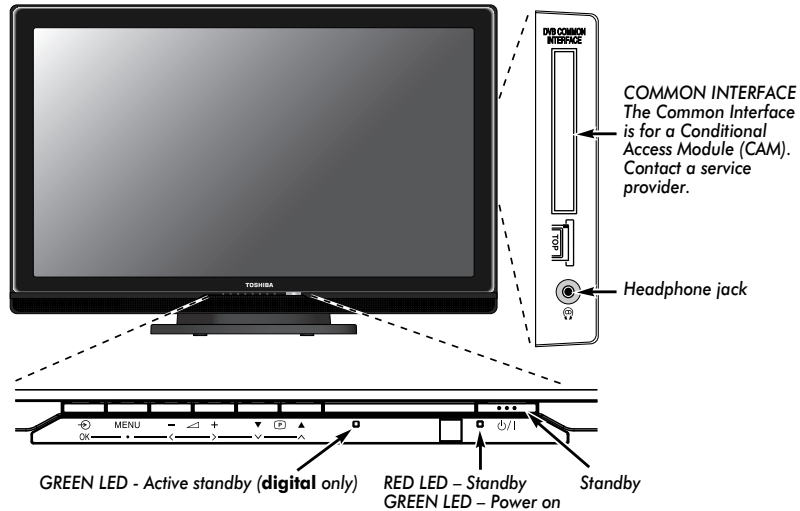
Switching on

If the RED LED is unlit check that the mains plug is connected to the power supply. If the picture does not appear press ⏻ on the remote control, it may take a few moments.

To put the television into Standby press ⏻ on the remote control, the GREEN active standby LED will appear (*see 'Software Upgrade' section*) next to the RED for a few moments then disappear. To view the television press ⏻ again. The picture may take a few seconds to appear.

Using the remote control

Press (MENU) on the remote control to see the menus.

In **digital** mode the menu bar at the top of the screens will show three different topics shown in symbols. As each symbol is selected by pressing the < or > button on the remote control, its respective options will appear below.

In **analogue** mode the menu appears as a list of five topics. As each symbol is selected by pressing < or > on the navigation ring on the remote control, its respective options will appear below.

To use the options press the ∧ and ∨ button on the remote control to move up and down through them and (OK), < or > to select the required choice. Follow the on-screen instructions. The functions of each menu are described in detail throughout the manual.

Using the controls

To alter the volume press – ◁ +.

To alter the programme position press ▼ P ▲.

Press **MENU** and <, >, ∧ or ∨ to control the sound and picture options.

Press **MENU** to finish.

To select the external input, press ⇄ until the appropriate input source is selected as described on *page 31*.

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

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

Tuning Digital television

Before switching on the television put your decoder and media recorder to **Standby** if they are connected.
To set up the television use the buttons on the remote control as detailed on page 6.

Tuning for the first time

1 Press the ⏻ button, the **LOCAL OPTIONS** screen will appear. This screen will appear the first time that the television is switched on and each time the television is reset.

TOSHIBA

LOCAL OPTIONS	
Country	UK
Language	ENGLISH
Audio Language	ENGLISH
Subtitles	OFF
Local Time Settings	0
● Continue	

2 Press ⌄ to highlight **Country** and ‹ or › to select. The television will now tune the stations for your country.

3 Using ⌄ highlight **Language**, then ‹ or › to select.

4 Press (OK) to start tuning.

The **AUTO TUNING** screen will appear and the television will start to search for available stations. The progress bar will move along the line.

You must allow the television to complete the search.

AUTO TUNING			
Progress			
Prog.	Name	Type	UHF	Quality
70	CBBC Channel	▪	34	GOOD
87	Community	▪	21	POOR
EXIT Cancel				
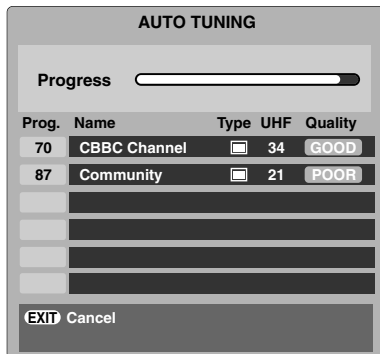
When the search is complete the television will automatically select programme one.

The **AUTO TUNING** screen will display the total number of services found.

AUTO TUNING			
94 programmes found			
▪ 58 TV	▪ 27 Radio	▤ 9 Text	
Press OK to watch programme			
Prog.	Name	Type	UHF	Quality
1	BBC ONE	▪	34	GOOD
2	BBC TWO	▪	34	GOOD
3	ITV1	▪	31	GOOD
4	Channel 4	▪	31	POOR
5	Five	▪	48	GOOD
6	ITV2	▪	31	POOR
● Change ● Watch			
● Page Up ● Page Down ● Sort			
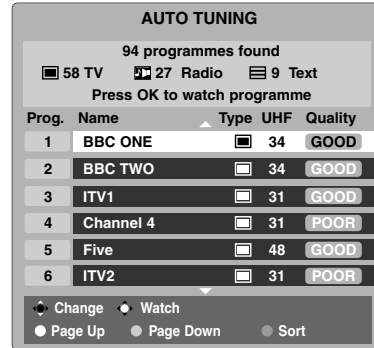
5 Use ⌄ or ⌃ to move through the list to select a programme then press (OK) to view.

NOTE: The time will be set automatically by transmission but can be advanced or decreased by up to 3 hours using **Local Time Settings**.

Digital auto tuning

NOTE: As new services are broadcast it will be necessary to re-tune the television in order to view them.

Auto tuning will completely re-tune the television and can be used to up date the channel list.
***It is recommended that Auto tuning is run periodically to ensure that all new services are added**. All current programmes and settings, i.e. favourites and locked programmes, will be lost.*

1 Press (MENU), the **SETUP MENU** will appear.
Use ∨ to highlight **Auto tuning**. Press (OK).

2 A screen will appear warning that previous digital programmes and settings will be deleted.
Press (OK) to continue with the **Auto tuning**.

```
                    WARNING

     ⚠  All previous digital programmes and
        settings will be deleted.
        Continue?

            ◀        YES        ▶

     ●  Select   (MENU)  Cancel
```

The television will start to search for all available stations.

```
                 AUTO TUNING

     Progress    [▭▭▭▭▭▭▭▭▭▭▭▭▭▭]

     Prog.  Name          Type  UHF  Quality
      70    CBBC Channel    ▭    34   GOOD
      87    Community       ▭    21   POOR




     (EXIT) Cancel
```
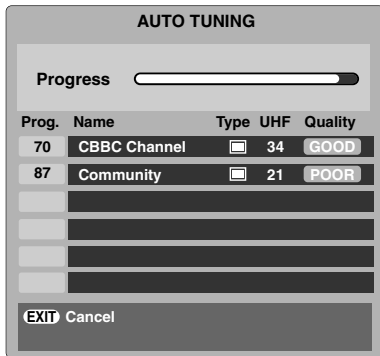
You must allow the television to complete the search.

When the search is complete the **Auto tuning** screen will display the total number of services found.

```
                 AUTO TUNING

           94 programmes found
     ▣ 58 TV     ▦ 27  Radio    ▤ 9  Text
          Press OK to watch programme

     Prog.  Name        ▲  Type  UHF  Quality
      1    BBC ONE           ▣    34   GOOD
      2    BBC TWO           ▣    34   GOOD
      3    ITV1              ▣    31   GOOD
      4    Channel 4         ▣    31   POOR
      5    Five              ▣    48   GOOD
      6    ITV2              ▣    31   POOR
                          ▼
     ◉ Change   ● Watch  (MENU) Back
     ● Page Up  ● Page Down       ● Sort
```
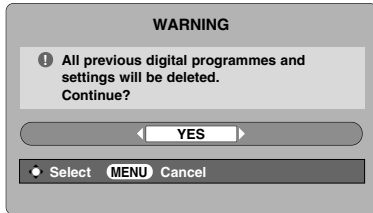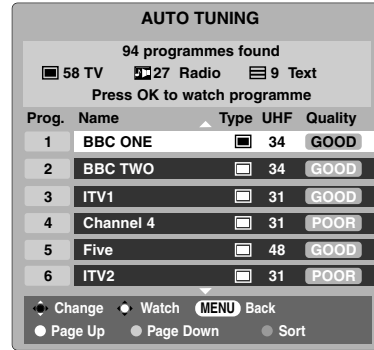
3 Use ∨ or ∧ to move through the list to select a programme then press (OK) to view.

Analogue switch-off

This is a **digital** television which is integrated to allow the use of both **digital** and **analogue** services. However, during the lifetime of this set it is very likely that **analogue** services will be switched off to allow for more new **digital** services.

This 'switch-off' will happen in a number of phases, which will be advertised in your area well in advance. It is recommended that at each phase the television is re-tuned to ensure that existing and new **digital** services can be viewed without disruption (*see the* 'Auto tuning' *section*).

Digital programme sorting

NOTE: When the television is switched off the mode being viewed at the time will automatically be selected when the television is switched back on.

1 The station order may be changed to suit personal preference. Press (MENU), the **SETUP MENU** will appear on screen.

2 Use ∨ to move down through the list and highlight **Programmes**. Press (OK).

SETUP MENU

TV Setup	● OK
Local Options	● OK
Auto tuning	● OK
Manual tuning	● OK
Programmes	◇ OK

MENU Back **EXIT** Watch TV

3 With the list of stations now showing use ∨ or ∧ to highlight the station you want to *move* and press ›.

The selected station will be moved to the right of the screen.

PROGRAMMES

Prog.	Name
1	BBC ONE
2	BBC TWO
3	ITV1
4	Channel 4
5	Five
6	ITV2

● Sort ● Store **MENU** Back **EXIT** Watch TV
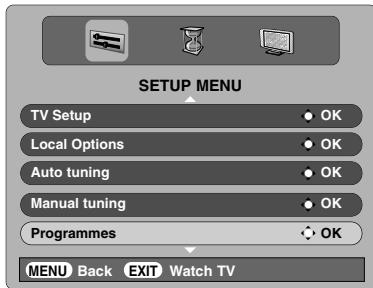● Page Up ● Page Down
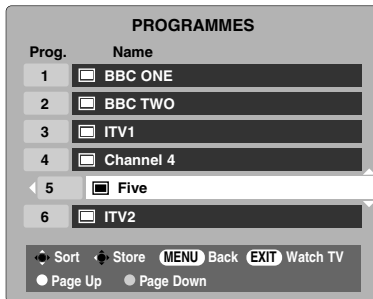
4 Use ∨ or ∧ to move through the list to your *preferred* position. As you do so the other stations will move to make room.

5 Press ‹ to store your move. Repeat as necessary, then press (EXIT).

Digital manual tuning

This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

1 Select **Manual tuning** from the **SETUP MENU** and press (OK).

2 Enter the multiplex number using the number buttons and then press (OK). The television will automatically search for that multiplex.

When the multiplex is found any channels not currently on the programme list will be added and the programme information at the top of the screen will be updated.

3 Repeat as necessary. Press (EXIT) to finish.

13

Tuning Analogue mode

Quick Setup

The **Quick Setup** feature will tune all **analogue** channels currently available in the area. To put the television into **ATV** mode press the ⊕ button then use ∧ or ∨ to select **ATV**.

1 Select **ATV** mode. The **Quick Setup** screen will appear.

Quick Setup		
Select your language.		
Language	◄ **English**	►
EXIT Watch TV	**OK** Next	

2 Using ‹ or › select your **language**, then press (OK).

3 Then press ‹ or › to select your **country**.

4 To start **Auto tuning** press (OK).

Auto tuning	
Searching ▮	
Channel : C22	**Station : BBC1**
EXIT Stop	
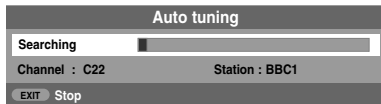
5 The search will begin for all available stations. The slide bar will move along the line as the search progresses.

> *You must allow the television to complete the search.*

When the search is complete the television will automatically select programme position 1 and the **Manual tuning** screen will appear.

Manual tuning		
Prog.	**Channel**	**Station** ▲
1	**C22**	**BBC1** ►
2	**C28**	**BBC2**
3	**C25**	**ITV**
4	**C32**	**CH4**
5	**C68**	
6	C69	▼
OK Select	**►** Sort	
MENU Back	**EXIT** Watch TV	
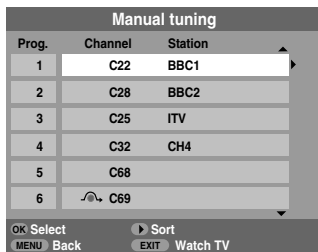
6 Use ∨ or ∧ to move through the list to select a programme then press (EXIT) to view.

The station order may be changed using the **Manual tuning** screen (*see the **analogue** 'Sorting programme positions' section*).

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Manual tune

The television can be tuned-in manually using **Manual tuning**. For example: if the television cannot be connected to a media recorder/decoder with a SCART lead or to tune-in a station on another **System**.

Use ‹ and › to move across the screen and select any of these Manual Tune options.

Manual tuning
System

0	I	A	⟶	C 60	🔍	0	V C R	

OK Store
MENU Back   EXIT Watch TV

1 2 3 4 5 6 7 8
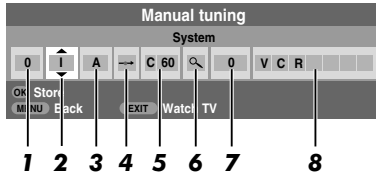
1 **Programme:**

The number to be pressed on the remote control.

2 **System:**

Specific to certain areas.

3 **Colour system:**

Factory set to Auto, should only be changed if problems are experienced, i.e. NTSC input from external source.

4 **Programme skip:**

⟶ means nothing has been stored or the facility to skip the channel is ON. See page 16.

5 **Channel:**

The channel number on which a station is being broadcast.

6 **Search:**

Search up and down for a signal.

7 **Manual fine tuning:**

Only used if interference/weak signal is experienced. See page 35.

8 **Station:**

Station identification. Use the ∧ or ∨ and ‹ or › buttons to enter up to seven characters.

To allocate a programme position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film in the media recorder and press PLAY, then manually tune.

1 Press (MENU) and using ‹ or › select the **SET UP** menu, with ∨ highlight **Manual tuning**, press (OK) to select.

SET UP   **1/2**

Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

MENU Back   EXIT Watch TV
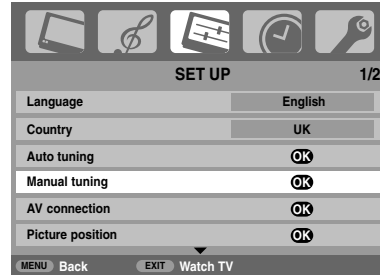
2 Use ∧ or ∨ to highlight the programme position required e.g. we suggest *Prog. 0* for a media recorder.

Manual tuning

Prog.	Channel	Station	
0	C60		▶
1	C22	BBC1	
2	C28	BBC2	
3	C25	ITV	
4	C32	CH4	
5	C69		

OK Select   ▶ Sort
MENU Back   EXIT Watch TV
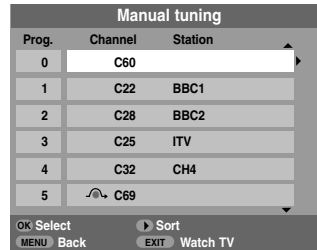
Different **Channel** numbers may be displayed.

3 Press (OK) to select. If the programme is skipped, **Programme skip** must be removed before storing.

Manual tuning
System

0	I	A	⟶	C 60	🔍	0		

OK Store
MENU Back   EXIT Watch TV
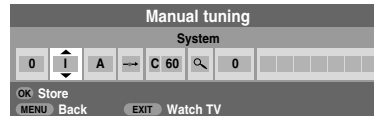
4 Press › to select **System** and use ∧ or ∨ to change if required.

5 Then press › to select **Search**.

6 Press ∧ or ∨ to begin the search. The search symbol will flash.

Manual tuning
Search: Up

0	I	A	⟶	C 60	🔍	0		

OK Store
MENU Back   EXIT Watch TV

15
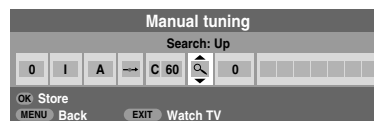
7 Each signal will show on the television, if it is not your media recorder, press ∧ or ∨ again to restart the search.

8 When your media recorder signal is found, press > to move along to **Station**. With ∧, ∨, < and > put in the required characters, *e.g. VCR.*

Manual tuning
Station

| 0 | I | A | → | C 60 | 🔍 | 0 | V C R | | | |

OK **Store**
MENU **Back**   EXIT **Watch TV**

9 Press (OK) to store.

10 Repeat for each *programme position* you want to tune or, press (MENU) to return to the list of channels and select the next number to tune.

11 Press (EXIT) when you have finished.

12 To name external equipment, *e.g.* DVD on EXT2, press ⊕ to select ⊕2, then select **Manual setting** from the **SET UP** menu.

13 Press > to select **Label** then using ∧, ∨, < and > put in the required characters.

Manual setting
Label

| EXT2 | A | D V D | | | |

OK **Store**
MENU **Back**   EXIT **Watch TV**
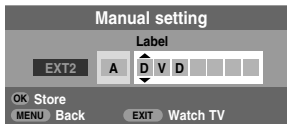
PLEASE NOTE

This television has direct channel entry if the channel numbers are known.
Select the **Manual tuning** screen in *Step 3*. Enter the **Programme number**, the **System**, then **C** for standard (terrestrial) channels or **S** for cable channels and the **Channel** number. Press (OK) to store.

Programme skip

To prevent certain programmes from being viewed, the programme position can be skipped. The remote control must be removed as the channels will still be available using the number buttons. Programmes can then be watched as normal using the controls on the television, but the television will not show the skipped programme position.

1 Select **Manual tuning** from the **SET UP** menu.

Manual tuning		
Prog.	Channel	Station
1	C22	BBC1
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	
6	⌒ C69	

OK **Select**   ▶ **Sort**
MENU **Back**   EXIT **Watch TV**
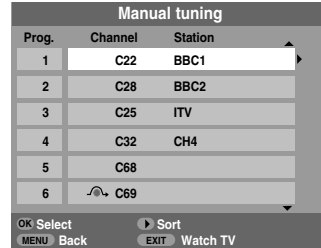
2 Use ∧ or ∨ to highlight the programme position to be skipped and press (OK) to select.

3 Press > to select **Programme skip**.

4 Use ∧ or ∨ to turn **Programme skip** on. Press (OK).

⌒→ on the screen indicates a skipped programme position.

Manual tuning
Programme skip : On

| 1 | I | A | ⌒ | C 22 | 🔍 | 0 | B B C 1 | | | |

OK **Store**
MENU **Back**   EXIT **Watch TV**

5 Press (MENU) and repeat from *Step 2* or press (EXIT).

Each programme position has to be *individually* selected. To turn **Programme skip** off, repeat the procedure for each position.

Skipped programme positions *cannot* be selected by P▲ and P▼ or by the controls on the television, but *can* still be accessed by the number buttons on the remote control.

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Sorting programme positions

Channels may be moved and stored on the programme position of your choice.

1 Select **Manual tuning** from the **SET UP** menu.

2 With the list of stations now showing use ∧ or ∨ to highlight the station you want to *move* and press ≥.

The selected station will be moved to the right of the screen.

Manual tuning		
Prog.	Channel	Station
1	◄ C22	BBC1
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	
6	C69	

◄ Store
MENU Back   EXIT Watch TV

3 Use ∧ or ∨ to move through the list to your *preferred* position. As you do so the other stations will move to make room.

4 Press ≺ to store your move.

Repeat as necessary, then press (EXIT).

Using Auto tuning

1 To set up the television using **Auto tuning**, press (MENU) and use ≺ or ≻ to select the **SET UP** menu.

SET UP		1/2
Language	◄	English ►
Country		UK
Auto tuning		OK
Manual tuning		OK
AV connection		OK
Picture position		OK

MENU Back   EXIT Watch TV
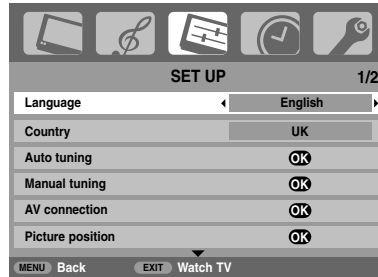
2 Press ∨ to highlight **Language** and ≺ or ≻ to select.

3 Using ∨ highlight **Country**, then ≺ or ≻ to select. The television will now tune the stations for your country.

4 Press ∨ to highlight **Auto tuning**, then press (OK).

Auto tuning
❗ Previous settings will be lost !
Press EXIT for no change.
Press OK to start Auto tune.

MENU Back   EXIT Watch TV
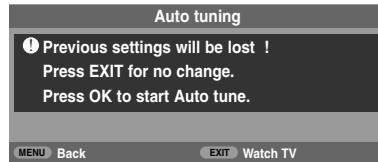
5 To start **Auto tuning** press (OK).

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture, so the station order can be changed *(see 'Sorting programme positions' section).*

General controls

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using P▲ and P▼.

To revert to the previous programme position press ⮂ .

To display on-screen information *i.e.* programme position, input mode or stereo/mono signal, press (i+) . Press again to cancel.

The Time Display – **analogue** only

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⊙/⊟X whilst watching a normal television broadcast to see a time display from the broadcaster. It will remain on screen for about 5 seconds.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo... Press ◯I/Ⅱ to select **Stereo** or **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** appears press ◯I/Ⅱ to select **Dual 1**, **Dual 2** or **Mono**.

Sound controls

Volume controls and mute sound

Volume
Press ◁ or ◁ to adjust the volume.

Sound Mute
Press ⊠ once to turn the sound off and again to cancel.

Bass, Treble and Balance

*The sound controls are accessible in **digital** and **analogue** modes, as are most of the televisions features.*

1 In **digital** mode, press (MENU) and using ∨ highlight **TV Setup** then press (OK).

2 Use ‹ or › to select **SOUND**.

3 In **analogue** mode, press (MENU) and ‹ or › to select **SOUND**.

SOUND	1/2
Dual	Dual 1
Bass	‹ 0 ›
Treble	0
Balance	0
Stable sound	On
Bass boost	On

MENU Back   EXIT Watch TV
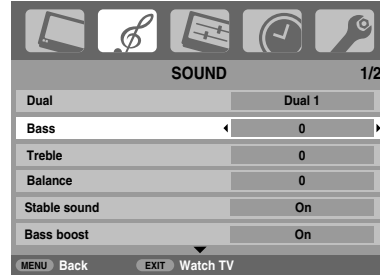
4 Press ∨ to highlight **Bass**, **Treble** or **Balance** and ‹ or › to change the setting.

Bass boost

Bass boost enhances the depth of the sound on the TV speakers. The difference will only be noticeable on sound with a strong bass.

1 In the **SOUND** menu press ∨ to highlight **Bass boost**. Use ‹ or › to select **On**.

2 Then press ∨ to highlight **Bass boost level** and using ‹ or › adjust to suit your preference.

Dual – **analogue** only

*If a programme or film is being broadcast with a soundtrack in more than one language, the **DUAL** feature allows selection between them.*

1 Press (MENU) and select the **SOUND** menu.

2 Use ∨ to highlight **Dual** then press ‹ or › to choose between **Dual 1** or **Dual 2**.

Stable sound®

*The **Stable Sound** feature limits high volume levels on the TV speakers, preventing the extreme changes in volume that can occur when channels are changed or a programme switches to a commercial.*

1 Select the **SOUND** menu.

2 Use ∨ to highlight **Stable sound** then press ‹ or › to select **On** or **Off**.

Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press ⊞ repeatedly to select between **4:3**, **Super Live 1**, **Cinema 1**, **Subtitle**, **14:9**, **Wide**, **Super Live 2**, **Cinema 2** and **PC**.

SUPER LIVE 1
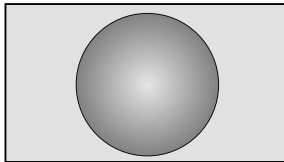
This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.
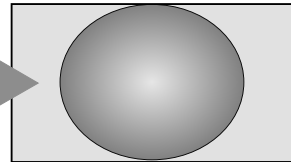
SUPER LIVE 2
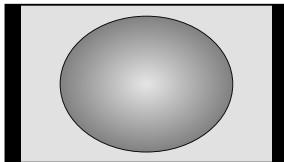
If a 'side panel format' signal is being received this setting will enlarge the image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.
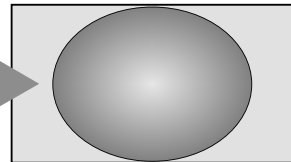
CINEMA 1
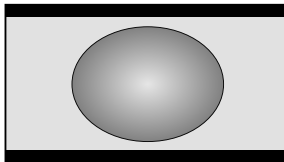
When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.
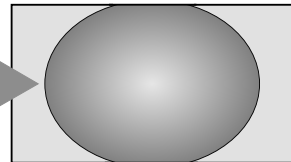
CINEMA 2
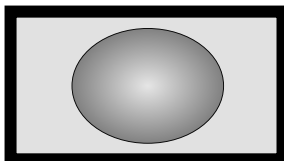
When watching 'all sides panel format' films/video tapes, this setting will eliminate or reduce the black bars at all sides of the screen by zooming in and selecting the image without distortion.
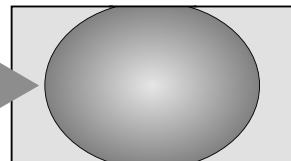
SUBTITLE

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

SUBTITLE

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| **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.) black bars may be visible on the top and bottom of the screen.* | |

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

| **PC** | *When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG. This option is only available when watching 1080i or 720p source via HDMI.* | |

Press ⊞ and a list of all the widescreen formats will appear on screen.
Use ∧ and ∨ to highlight the required format and (OK) to select.

PC
Wide
Super Live 2
Cinema 2
4:3
Super Live 1
Cinema 1
Subtitle
14:9

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

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Picture controls

Most of the picture controls and functions are available in both **digital** and **analogue** modes. To access the required menus when in **digital** mode: press (MENU) and using ∨ select **TV Setup**, press (OK) then ❬ or ❭ to select the desired menu.
*PLEASE NOTE: features not available in **digital** mode will be greyed out.* To access the required menus when in **analogue** mode: press (MENU) and use ❬ or ❭ to select the desired menu.

Picture position – **analogue** only

The picture position may be adjusted to suit personal preference and can be particularly useful for external inputs.

1 In the **SET UP** menu press ∨ until **Picture position** is highlighted.

SET UP	1/2
Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

MENU Back   EXIT Watch TV

2 Press (OK) to view the options available for the picture format that has been selected.

3 Press ∧ and ∨ to select an option, then ❬ or ❭ to adjust the settings.

The options alter depending on the widescreen format chosen and when viewing connected equipment.

In **Cinema 2**:

Picture position	
Horizontal position	◄ 0 ►
Vertical position	0
Reset	OK

MENU Back   EXIT Watch TV
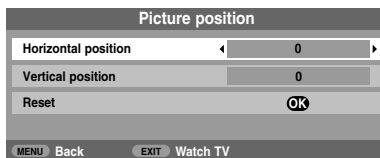
To return to the original factory settings select **Reset** in the **Picture position** menu and press (OK).

Backlight

*Adjusting the **Backlight** can improve the clarity of the screen when viewing.*

1 In the **PICTURE** menu press ∨ to select **Picture settings**, then press (OK).

PICTURE	
Picture settings	OK
3D Colour management	Off
Base colour adjustment	
Active Backlight Control	On
Cinema mode	On

MENU Back   EXIT Watch TV
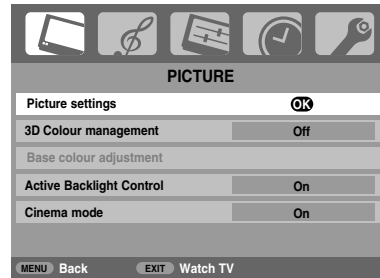
2 In the **Picture settings** menu press ∨ to select **Backlight**.

3 Press ❬ or ❭ to adjust.

Picture settings	1/2
Backlight	◄ 100 ►
Contrast	100
Brightness	50
Colour	50
Tint	0
Sharpness	0

MENU Back   EXIT Watch TV

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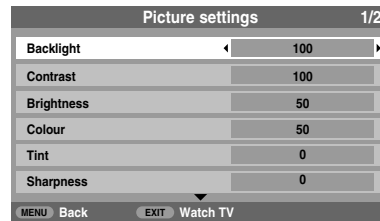
CONTROLS AND FEATURES

Picture preferences

This television offers the choice of personalising the picture style. Press →|▣|← to view the different styles available:

Dynamic, **Standard** and **Movie** are preset options and effect many features/settings within the television, **User setting** stores your own settings as detailed below:

1 Select **Picture settings** from the **PICTURE** menu.

Picture settings		1/2
Backlight		100
Contrast	◄	100 ►
Brightness		50
Colour		50
Tint		0
Sharpness		0
MENU Back	EXIT Watch TV	
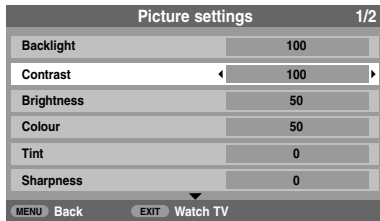
2 Use ⟨ or ⟩ to adjust the **Contrast**, **Brightness**, **Colour**, **Tint** and **Sharpness**.

Black stretch

Black Stretch increases the strength of dark areas of the picture which improves the definition.

1 In the **Picture settings** menu press ⌄ until **Black Stretch** is highlighted.

Picture settings		2/2
Black stretch	◄	On ►
MPEG NR		Low
DNR		Low
Colour Temperature		Cool
MENU Back	EXIT Watch TV	
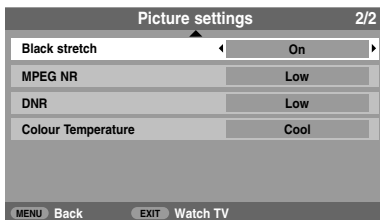
2 Press ⟨ or ⟩ to select between **On** and **Off**. The effect depends on the broadcast and is most noticeable on dark colours.

MPEG NR – Noise Reduction

*When watching a DVD the compression may cause some words or picture elements to become distorted or pixelated. Using the **MPEG NR** feature reduces this effect by smoothing out the edges.*

1 Select **MPEG NR** from the **Picture settings** menu. Use ⟨ or ⟩ to select a setting to suit your preference.

DNR – Digital Noise Reduction

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

1 Select **DNR** from the **Picture settings** menu.

2 Use ⟨ or ⟩ to select between **Auto.**, **Low**, **Middle**, **High** and **Off**. The differences may not always be noticeable (for the best result use lower settings as picture quality can be lost if the setting is too high).

Colour temperature

Colour Temperature increases the 'warmth' or 'coolness' of a picture by increasing the red or blue tint.

1 In the **Picture settings** menu press ⌄ until **Colour Temperature** is highlighted.

Picture settings		2/2
Black stretch		On
MPEG NR		Low
DNR		Low
Colour Temperature	◄	Cool ►
MENU Back	EXIT Watch TV	
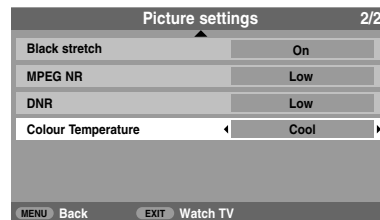
2 Press ⟨ or ⟩ to select between **Natural**, **Warm** and **Cool** to suit your preference.

3D Colour management

*When **3D Colour management** is selected it allows the 'Base colour adjustment' feature to become available.*

1 In the **PICTURE** menu press ⌄ to select **3D Colour management**.

PICTURE		
Picture settings		**OK**
3D Colour management	◀	**On** ▶
Base colour adjustment		**OK**
Active Backlight Control		**On**
Cinema mode		**On**
MENU Back	EXIT Watch TV	
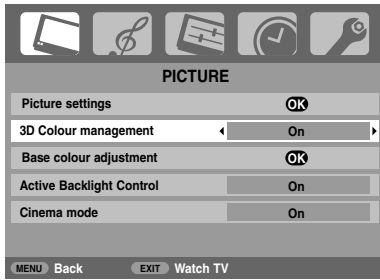
2 Press ❮ or ❯ to select **On** or **Off**.

Base colour adjustment

*The **Base colour adjustment** feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source.*

1 In the **PICTURE** menu press ⌄ to select **Base colour adjustment**, then press (OK).

2 Press ⌃ or ⌄ to select an option, then ❯ to adjust the settings.

Base colour adjustment			
	Hue	Saturation	Brightness
Red ◀	**+2**	**+6**	**+4** ▶
Green	**0**	**0**	**0**
Blue	**0**	**0**	**0**
Yellow	**0**	**0**	**0**
Magenta	**0**	**0**	**0**
Cyan	**0**	**0**	**0**
Reset			**OK**
MENU Back	EXIT Watch TV		
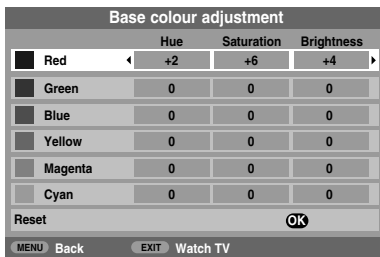
3 Press ❮ or ❯ to select **Hue**, **Saturation** or **Brightness**, then press ⌃ or ⌄ to adjust the settings as required.

	Hue	Saturation	Brightness
Red	⌃ **0** ⌄	**0**	**0**

To return to the original factory settings select **Reset** and press (OK).

Active Backlight Control

*When **Active Backlight Control** is activated it will automatically optimise the backlighting levels for dark scenes.*

1 In the **PICTURE** menu press ⌄ to select **Active Backlight Control**.

2 Press ❮ or ❯ to select **On** or **Off**.

Cinema mode

*If there are lines or jagged edges in the film or programme being viewed, selecting **Cinema mode** can help correct this by smoothing out the picture.*

1 In the **PICTURE** menu press ⌄ to select **Cinema mode**.

2 Press ❮ or ❯ to select **On** or **Off**.

NOTE: When a DVD with subtitles is being played this mode may not work correctly.

Automatic format (Widescreen)

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

1 Press (MENU) and ❮ or ❯ to select the **FUNCTION** menu.

FUNCTION		
Teletext		**Auto.**
Panel lock		**Off**
Auto format	◀	**On** ▶
4:3 stretch		**Off**
Blue screen		**On**
Side panel		**1**
MENU Back	EXIT Watch TV	

2 Press ⌄ to highlight **Auto format**, then ❮ or ❯ to select **On** or **Off**.

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CONTROLS AND FEATURES

4:3 stretch

*When **4:3 stretch** is activated the size switching system changes 4:3 programs into a full screen picture.*

1 In the **FUNCTION** menu press ⌄ to highlight **4:3 stretch**.

2 Press ‹ or › to select **On** or **Off**.

Blue screen

*When **Blue screen** is selected the screen will turn blue and the sound will be muted when no signal is received.*

1 In the **FUNCTION** menu press ⌄ to highlight **Blue screen**.

2 Press ‹ or › to select **On** or **Off**.

Side panel adjustment

*The **Side panel** feature lightens or darkens the band each side of the screen when in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.*

1 In the **FUNCTION** menu press ⌄ until **Side panel** is highlighted.

2 Press ‹ or › to adjust.

Picture still

This feature is used to hold a still image on the screen.

1 Press ▼ to hold an image on the screen, press ▼ again to cancel.

Panel lock

***Panel lock** disables the buttons on the television. All buttons on the remote control can still be used.*

1 From the **FUNCTION** menu select **Panel lock** and choose **On** or **Off** using ‹ or ›.

FUNCTION	
Teletext	Auto.
Panel lock	‹ On ›
Auto format	On
4:3 stretch	Off
Blue screen	On
Side panel	1

MENU Back   EXIT Watch TV
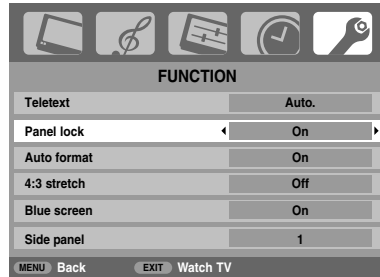
When **Panel lock** is **On**, a reminder will appear when the buttons on the television are pressed. **If the standby button is pressed the television will switch off and can only be brought out of standby by using the remote control.**

24

The timers

Programme timer – **digital** only

This feature will set the television to go to a specific channel at a certain time. It can be used to view a particular programme, or by setting the mode to daily or weekly, can be used to view a series of programmes.

1 Press (MENU) and ‹ or › to select the **TIMER MENU**.

```
        ═        ⧗        ▭

              TIMER MENU
                  ▲
   Programme Timers              ◇ OK




   MENU  Back   EXIT  Watch TV
```

2 Press ⌄ to select **Programme Timers**, then press (OK) to select.

3 Press ⌄ to select the first programme to be timed, then press (OK). The **SET TIMER** menu will now appear on screen.

4 Press ⌃ and ⌄ to go through the list adding the details of the programme to be timed by using the number buttons and ‹ and › to make selections.

```
                          ⏲ 11:36 Mon, 11 Dec
                  SET TIMER
                      ▲
   Programme    Channel 4        ‹  1  ›
   Date         Mon, 11 Dec 2006    11/12
   Start Time                        12:00
   End Time                          12.30
   Repeat                            ONCE
   Subtitles                        NONE
   Audio Language                 ENGLISH
                      ▼
   0 - 9 Enter Number  ● Save Timer  MENU Cancel
```
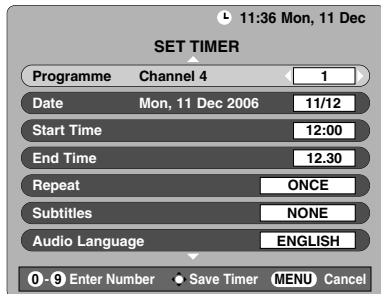
5 When all the details have been entered press (OK) to save the timer.

PLEASE NOTE: When a timed programme is about to start, an information screen will appear offering the option of watching or cancelling the programme. The menus and other channels will not be available during the timed programme unless the programme timer is cancelled.

Sleep timer

*The television can be set to turn itself **Off** after a certain time.*

1 Press (MENU) and ‹ or › to select the **TIMER** menu.

```
   ▭    ♪    ⧉    ◷    ⚊

              TIMER
   Sleep timer        ‹      01:30      ›




   MENU  Back        EXIT  Watch TV
```

2 Press ⌄ to select **Sleep timer**. Use the number buttons to set the required time. For example, to switch the television off in one and a half hours enter 01:30, or press ›/‹ to increase/decrease in steps of 10 minutes.

3 Press (EXIT) to finish.

4 To cancel the **Sleep timer**, enter zero in above setting.

Digital on-screen information and Programme Guide

When viewing in **digital** mode, the on-screen information and programme guide give access to programme details for all available channels.

Information

1 Select information by pressing $[i+]$, the information screen will appear giving details of the channel and programme currently being viewed.

ALL PROGS		⏱ 11:36 Mon, 11 Dec
Channel 4 ⬍	11:30 King of the Hill	▶ 12:00 News at Noon
Five	24 minutes left	I/II 🔤 ENTERTAINMENT
ITV2	That's What She Said: Hank in uncomfortable with his	
BBC THREE	new colleague's innuendo, and Dale tries to give up	
BBC FOUR	smoking. [S]	
⚪ Showing also	ITV Playalong: Izi starting in 4 minutes on ITV Play…	
● Tune EXIT Watch TV TV/FAV Change progs		
⚪ Page Up ⚪ Page Down ⚪ Showing Also ⚪ Languages		

2 To see details of any of the other channels currently available, press ⌃ and ⌄ to scroll up and down the channel list. As the channel is selected details of the programme currently being broadcast will appear.
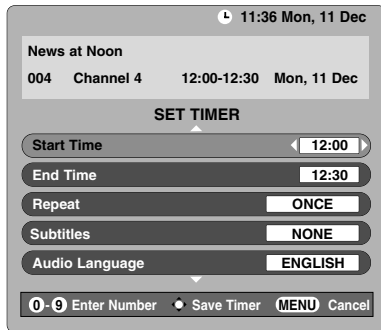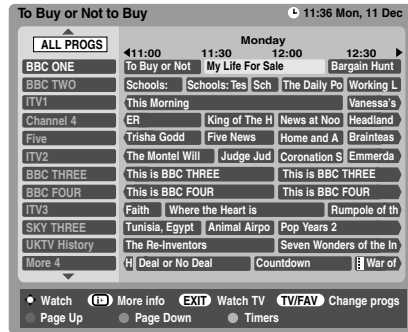
3 Pressing the **YELLOW** button will activate *Showing also*, giving details of programmes which have started on other channels.

4 To record the following programme, with the information guide showing, press ⟩. The **Tune** option in the bottom section of the screen will change to **Record**, press (OK). The **SET TIMER** screen will appear.

	⏱ 11:36 Mon, 11 Dec
News at Noon	
004 Channel 4	12:00-12:30 Mon, 11 Dec
SET TIMER	
Start Time	◀ 12:00 ▶
End Time	12:30
Repeat	ONCE
Subtitles	NONE
Audio Language	ENGLISH
0 - 9 Enter Number ◆ Save Timer MENU Cancel	

5 The details of the programme will have been added to the screen. Press (OK) to save.

Guide

1 Select the on-screen guide by pressing **GUIDE**, the guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.

To Buy or Not to Buy					⏱ 11:36 Mon, 11 Dec
ALL PROGS			**Monday**		
▲	◀11:00	11:30	12:00	12:30	▶
BBC ONE	To Buy or Not	My Life For Sale		Bargain Hunt	
BBC TWO	Schools:	Schools: Tes	Sch	The Daily Po	Working L
ITV1	This Morning				Vanessa's
Channel 4	ER	King of The H	News at Noo	Headland	
Five	Trisha Godd	Five News	Home and A	Brainteas	
ITV2	The Montel Will	Judge Jud	Coronation S	Emmerda	
BBC THREE	This is BBC THREE		This is BBC THREE		
BBC FOUR	This is BBC FOUR		This is BBC FOUR		
ITV3	Faith	Where the Heart is		Rumpole of th	
SKY THREE	Tunisia, Egypt	Animal Airpo	Pop Years 2		
UKTV History	The Re-Inventors		Seven Wonders of the In		
More 4	H	Deal or No Deal	Countdown	▮	War of
▼					
● Watch 🆔 More info EXIT Watch TV TV/FAV Change progs					
⚪ Page Up ⚪ Page Down ⚪ Timers					

2 Press ⟨ or ⟩ for information of other programmes scheduled for the channel selected.

3 For details of other channels currently available, press ⌃ and ⌄ to scroll up and down the channel list. As the channel is selected details of the programme currently being broadcast will appear, then press ⟨ or ⟩.

4 For information on a highlighted programme press $[i+]$. To set the timer for that programme press the **BLUE** button to bring up the **Programme timers** menu.
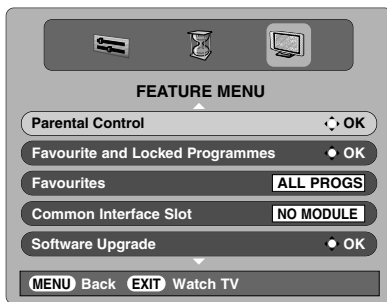
NOTE: Recording can be set from *both* the information screen and guide. In order for the recording operation to work the media recorder must be AV link compatible.

5 Press ⏭ to move the **Guide** forward by 24 hours, press ⏮ to go back. Pressing ⏩or ⏪ will move the **Guide** forwards or backwards a page at a time.

Digital settings – parental control

In order to prevent viewing of unsuitable films and programmes, channels and menus can be locked. These can then only be accessed with a security code PIN when in **digital** mode.

Setting the PIN

1 Press (MENU) and > to select the **FEATURE MENU**.

FEATURE MENU	
Parental Control	◇ OK
Favourite and Locked Programmes	● OK
Favourites	ALL PROGS
Common Interface Slot	NO MODULE
Software Upgrade	● OK
MENU Back EXIT Watch TV	

2 Use ∨ to select **Parental Control** then press (OK).

3 Press ∨ to highlight **Change Pin** then press (OK).

PARENTAL CONTROL	
Mode	ON
Change PIN	◇ OK
MENU Back EXIT Watch TV	

4 Using the number buttons enter a four digit number, when these have been entered the screen will ask you to confirm them by entering them again.

DEFINE PIN NUMBER	
New PIN	* * * *
Confirm PIN	▬ ▬ ▬ ▬
⓪-⑨ Enter PIN EXIT Exit	
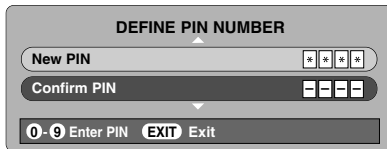
The PIN number is now set. To activate put the television into standby.

Mode

This feature locks various menus to prevent the television being retuned or the settings being overridden.

1 In the **PARENTAL CONTROL** menu press ∨ to select **Mode**.

PARENTAL CONTROL	
Mode	ON
Change Pin	● OK
MENU Back EXIT Watch TV	

2 Use < or > to choose between **ON**, **LOCK MENU**, **LOCK INSTALL** and **OFF**.

When menus that have been locked are now selected they will only become available when the PIN is entered.

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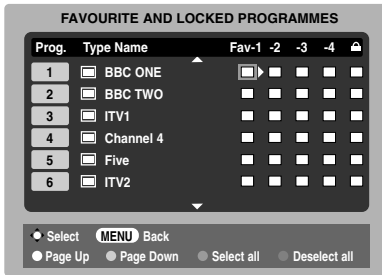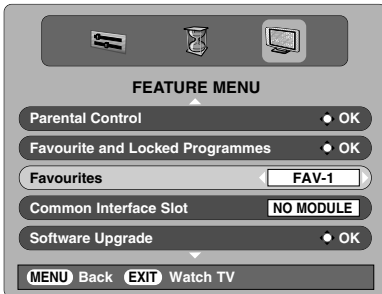CONTROLS AND FEATURES

Digital settings – other features

Selecting favourite programmes

Favourite Programmes *creates a list of the* **digital** *channels that are watched most. Four lists can be created, these can be a mixture of television, text and radio channels.*

1 From the **FEATURE MENU** press ⌄ to select **Favourite and Locked Programmes**.

```
FAVOURITE AND LOCKED PROGRAMMES
Prog.  Type Name        Fav-1 -2  -3  -4  🔒
1      ▣ BBC ONE        ☐▸ ☐  ☐  ☐  ☐
2      ▣ BBC TWO        ☐  ☐  ☐  ☐  ☐
3      ▣ ITV1           ☐  ☐  ☐  ☐  ☐
4      ▣ Channel 4      ☐  ☐  ☐  ☐  ☐
5      ▣ Five           ☐  ☐  ☐  ☐  ☐
6      ▣ ITV2           ☐  ☐  ☐  ☐  ☐

● Select    MENU Back
● Page Up   ● Page Down   ● Select all   ● Deselect all
```

2 Use ⌃ and ⌄ to go through the list of channels pressing (OK) to select the ones required, a tick will appear in the box.

3 Press ⟩ to select **List 2**. Follow the same procedure to make the selection. When all favourites have been selected press (MENU) to return to the **FEATURE MENU**.

4 Use ⌄ to highlight **Favourites** and ⟨ or ⟩ to select between **ALL**, **TV**, **RADIO**, **FAV-1** and **FAV-2**. The number of favourites available depends on how many lists have been created.
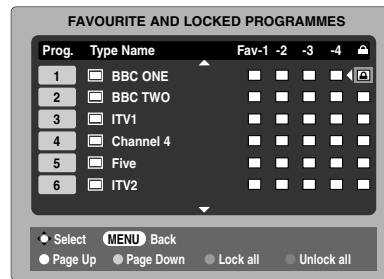
```
[📼]        [⌛]        [🖥]

FEATURE MENU
                    ▲
Parental Control                    ● OK
Favourite and Locked Programmes     ● OK
Favourites                    ⟨  FAV-1
Common Interface Slot          NO MODULE
Software Upgrade                    ● OK
                    ▼
MENU Back   EXIT Watch TV
```

5 Press (EXIT).

Using the ▲ **P** ▼ buttons will now only access those channels in **Favourite List 1** when **FAV-1** is selected.

Locking programmes

Locked Programmes *stops the viewing of* **digital** *channels, they can only be accessed by entering the PIN.*

1 From the **FEATURE MENU** press ⌄ to select **Favourite and Locked Programmes**.

2 Press ⟩ repeatedly to select the **Locked Programme** list.

3 Use ⌃ and ⌄ to go through the list of channels pressing (OK) to select the ones required, a padlock will appear in the box.

```
FAVOURITE AND LOCKED PROGRAMMES
Prog.  Type Name        Fav-1 -2  -3  -4  🔒
1      ▣ BBC ONE        ☐  ☐  ☐  ☐  ◂🔒
2      ▣ BBC TWO        ☐  ☐  ☐  ☐  ☐
3      ▣ ITV1           ☐  ☐  ☐  ☐  ☐
4      ▣ Channel 4      ☐  ☐  ☐  ☐  ☐
5      ▣ Five           ☐  ☐  ☐  ☐  ☐
6      ▣ ITV2           ☐  ☐  ☐  ☐  ☐
                    ▼
● Select    MENU Back
● Page Up   ● Page Down   ● Lock all    ● Unlock all
```

4 Press (EXIT) and put the television into standby.

5 When the television is switched back on and any of the channels in the **Locked Programme** list are selected the PIN must be entered before they can be accessed.

Encrypted programmes

Selecting **Encrypted Programmes** *allows all encrypted programmes to be shown in the programme list even if they are not available to select.*

1 In the **FEATURE MENU** press ⌃ or ⌄ to select **Encrypted Programmes**.

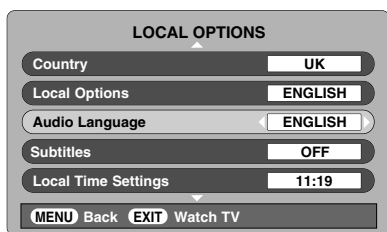**2** Use ⟨ or ⟩ to select **ON** or **OFF**.

NOTE: CAMs (Conditional Access Modules) are available from service providers (*see* 'Common Interface' *section*)

Audio languages

This feature allows a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

1 In the **SETUP MENU** press ⌄ to select **Local Options**.

2 Press (OK), then press ⌃ and ⌄ to highlight **Audio Language**.

LOCAL OPTIONS	
Country	UK
Local Options	ENGLISH
Audio Language	‹ ENGLISH ›
Subtitles	OFF
Local Time Settings	11:19
(MENU) Back (EXIT) Watch TV	

3 Use ‹ or › to select an option.

NOTE: If more than one soundtrack is available, use ◯⫿I/II to select between them.

Subtitles

This feature will show subtitles on the bottom of the screen in the selected language provided they are being broadcast.

1 In the **LOCAL OPTIONS** menu press ⌄ to select **Subtitles**.

2 Use ‹ or › to select an option.

Reset TV

*Selecting **Reset TV** will delete all stored **digital** channels and settings. The television will return to factory settings and then auto tune.*

1 In the **SETUP MENU** press ⌄ until **Reset TV** is highlighted.

2 Press (OK) to select. A screen will appear warning that all digital settings will be lost, press (OK) to continue.

The Welcome screen will appear, press (OK) to continue, the television will then auto tune.

Common interface

The Common Interface Slot, situated on the back of the television, enables the insertion of a CAM (Conditional Access Module) and card. These are purchased from a service provider and allow additional subscription broadcasts to be viewed. For information see a service provider.

1 Insert the CAM and card into the Common Interface Slot, following the instructions provided with the CAM. A box will appear on screen to confirm that the CAM is loaded.

2 In the **FEATURE MENU** press ⌃ or ⌄ to select **Common Interface Slot**.

3 Details of the CAM should now be available. Use (OK) to select it.
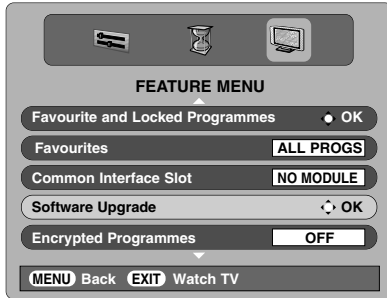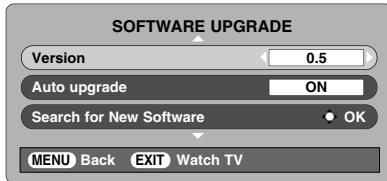
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Digital settings – software upgrade

Version

This feature can be used to check the version of software currently installed.

1 From the **FEATURE MENU** press ∧ or ∨ to select **Software upgrade**. Press (OK).

```
┌──────────────────────────────────────┐
│       ⬛        ⬛        ⬛            │
│                                        │
│           FEATURE MENU                 │
│              ▲                         │
│  Favourite and Locked Programmes  ● OK │
│  Favourites              ALL PROGS     │
│  Common Interface Slot   NO MODULE     │
│  Software Upgrade        ◇ OK          │
│  Encrypted Programmes    OFF           │
│              ▼                         │
│  MENU Back   EXIT Watch TV             │
└──────────────────────────────────────┘
```

2 Press ∧ or ∨ to select **Version**. Use ‹ or › to select. When the software has been updated there will be a choice of two versions available.

```
┌──────────────────────────────────────┐
│         SOFTWARE UPGRADE               │
│              ▲                         │
│  Version            ‹ 0.5 ›            │
│  Auto upgrade         ON               │
│  Search for New Software    ● OK       │
│              ▼                         │
│  MENU Back   EXIT Watch TV             │
└──────────────────────────────────────┘
```
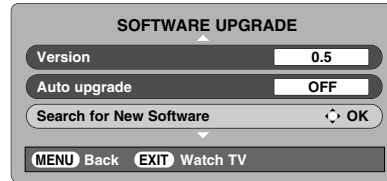
Auto Upgrade

*If **Auto upgrade** is selected the software will automatically update as each version becomes available, provided the television is on or in standby. If the television is on, a screen prompt will appear showing the software download taking place.*

1 In the **SOFTWARE UPGRADE** menu press ∧ or ∨ to select **Auto upgrade**.

2 Use ‹ or › to select **ON** or **OFF**.

Searching for new software

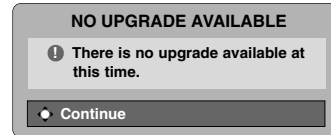*If preferred, software upgrades can be searched for manually using **Search for New Software**.*

1 In the **SOFTWARE UPGRADE** menu press ∧ or ∨ to select **Search for New Software**.

```
┌──────────────────────────────────────┐
│         SOFTWARE UPGRADE               │
│              ▲                         │
│  Version              0.5              │
│  Auto upgrade         OFF              │
│  Search for New Software    ◇ OK       │
│              ▼                         │
│  MENU Back   EXIT Watch TV             │
└──────────────────────────────────────┘
```

2 Press (OK). The television will automatically start searching for a software upgrade, the progress bar will move along the line.

```
┌──────────────────────────────────────┐
│     SEARCHING FOR NEW SOFTWARE         │
│  Searching for a new software upgrade for │
│  this TV.                              │
│  Searching    ▭▭▭▭▭▭▭▭▭               │
│  EXIT Stop                             │
└──────────────────────────────────────┘
```

If an upgrade is found the television will automatically start downloading, if not a screen will appear stating that an upgrade is unavailable.

```
┌──────────────────────────────────────┐
│       NO UPGRADE AVAILABLE             │
│  ❗ There is no upgrade available at    │
│     this time.                         │
│  ● Continue                            │
└──────────────────────────────────────┘
```

Input selection and AV connections

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 7 for a clear view of the back connection recommendations.

Most media recorders and decoders send a signal through the SCART lead to switch the television to the correct *Input* socket.

Alternatively press the external source selection button ⊕ until the picture from connected equipment is shown.

This button must be used to view equipment connected using the COMPONENT VIDEO INPUT (**EXT3**) and the VIDEO INPUT (**EXT4**).

An **S** in the display *e.g.* ⊕**2S** (**EXT 2S**), indicates the input is set for an S-Video signal.

Input selection

Use the Input Selection if the television does not switch over automatically.

1 At any time by pressing ⊕ a list will appear on screen showing all stored programmes and external equipment. Use ∧ and ∨ to highlight and (OK) to select.

DTV
⊕ 1
⊕ 2S
⊕ 3
⊕ 4
HDMI1
HDMI2
ATV

HDMI™ displays equipment connected to *Input HDMI* on the back of the television. It is designed for best performance with 1080i high definition signals.

INPUT signal selection

*This specifies the type of signal going into SCART 2 (**EXT2**) on the back of the television. Please refer to the manufacturers instructions for the connected equipment.*

1 In the **SET UP** menu press ∨ until **AV connection** is highlighted, then press (OK).

SET UP	1/2
Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

MENU Back   EXIT Watch TV
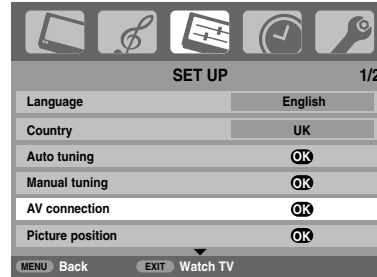
2 With ❮ or ❯ select either **AV** or **S-VIDEO** as the required *input* for **EXT2**.

AV connection	
HDMI1 audio	Digital
Lip Sync	
EXT2 input	◀ AV ▶

MENU Back   EXIT Watch TV
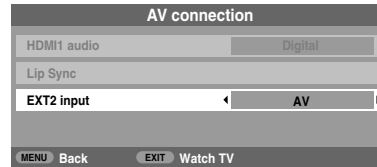
If the colour is missing try the alternative setting.

HDMI1 audio

*If the connected HDMI source does not support digital audio, plug the audio cable into **HDMI1 (AUDIO)** on the back of the television (as shown in the 'Connecting an HDMI™ or DVI device to the HDMI input' section), then use the **HDMI1 audio** settings.*

1 In the **SET UP** menu press ⌄ until **AV connection** is highlighted, then press (OK).

SET UP	1/2
Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

MENU Back   EXIT Watch TV

2 In the **AV connection** menu press ⌄ to highlight **HDMI1 audio** and using ‹ or › select **Auto**, **Digital** or **Analogue**.

AV connection	
HDMI1 audio	◄ Digital ►
Lip Sync	On
EXT2 input	AV

MENU Back   EXIT Watch TV

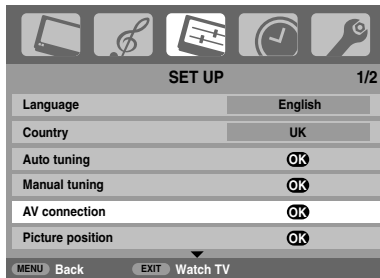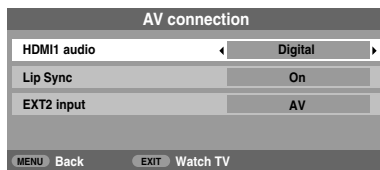If the sound is missing select an alternative setting.

NOTE: HDMI1 supports digital and analogue sound, HDMI2 is digital sound only.

Certain formats of DVD disk may not output from this TV (32/44.1/48kHz and 16/20/24 bits are acceptable).

Lip Sync Latency

Lip Sync *can synchronize the sound and picture. This feature is only available when equipment compatible with Lip Sync is connected via HDMI.*

1 In the **AV connection** menu press ⌄ to highlight **Lip Sync**.

2 Using ‹ or › select **On** or **Off**.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

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Analogue text services

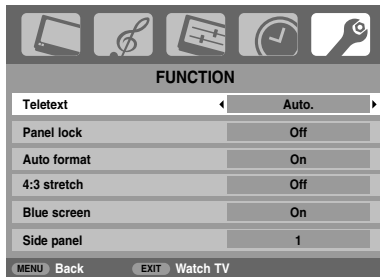This television has a multi-page text memory, which takes a few moments to load. It offers two *Modes* of viewing text – **Auto.** will display **Fastext**, if available. **LIST** will store your four favourite pages.

Selecting modes

The text character set will be automatically chosen by the language setting in the **SET UP** *menu.*

1 Select **Teletext** from the **FUNCTION** menu.

2 With ‹ or › choose **Auto.** or **LIST** then press (EXIT).

FUNCTION		
Teletext	‹	Auto. ›
Panel lock		Off
Auto format		On
4:3 stretch		Off
Blue screen		On
Side panel		1
MENU Back	EXIT Watch TV	

Text information

The ▤/◩/▢ button:

To view text services press ▤/◩/▢ . Press again to superimpose the text over a normal broadcast picture and again to return to normal viewing. Programmes cannot be changed until text is cancelled.

The first text page shown will be the *initial* page.

Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing P▲ to advance to the next page and P▼ to go back to the previous page.

NOTE: While viewing text services, the on-screen menu will not appear when you press (MENU).

Sub-pages

If there are sub-pages they will automatically load into memory without changing the page on screen.

To access the sub-pages press ▤● then use P▲ and P▼ to view them. A bar with numbers will appear on the side of the screen.

The sub-page you are viewing will be highlighted and, as the television loads any additional sub-pages the colour of the numbers will change, indicating that these pages have been loaded.

These sub-pages will remain available to view until another page is chosen or, in normal TV mode, the channel is changed.

Navigating pages using Auto.

If **Fastext** is available four coloured titles will appear at the base of the screen.

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

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

Navigating pages using LIST

The four coloured choices at the bottom of the screen are numbers – 100, 200, 300 and 400, which have been programmed into the television's memory. To view these pages press the relevant coloured buttons.

To change these stored pages press the relevant coloured button and enter the 3 digit number. This number will change in the top left of the screen and in the coloured highlight.

Press (OK) to store. The bars at the bottom of the screen will flash white. **Whenever** (OK) **is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.**

If (OK) is not pressed the selection will be forgotten when text is cancelled.

Other pages may be viewed by entering the 3 digit page number – but DO NOT press (OK) or these pages will be stored.

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TEXT SERVICES

Control buttons

Below is a guide to the functions of the remote control text buttons.

▤i To display the index/initial page:

Press ▤i to access the index/initial page. The one displayed is dependant on the broadcaster.

▤/▨/▢ To display a page of text:

Press ▤/▨/▢ to display text. Press again to superimpose text over a normal picture. Press again to return to normal television viewing. Programmes cannot be changed until this has been done.

▤◑ To access sub-pages:

For use with ∧ and ∨ to view sub-pages when available.

▤? To reveal concealed text:

To discover the solutions on quiz and joke pages press the ▤? button.

▤⧉ To hold a wanted page:

At times it is convenient to hold a page of text. Press ▤⧉ and ▤⧉ will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

▤⬍ To enlarge the text display size:

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

⏱/▤✕ To select a page whilst viewing a normal picture:

Enter the page number then press ⏱/▤✕, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen. Press ▤/▨/▢ to view the page.

To display news flashes:
Select the news flash page for the chosen text service (see the index page of text service). Press ⏱/▤✕. The news flashes will be displayed as and when they are broadcast. Press ⏱/▤✕ again to cancel the display.

The news flash page must be cancelled before changing programmes.

> ● **Remember to cancel text before changing channels - press the ▤/▨/▢ button twice.**

Digital interactive services

The **digital** interactive services are the up-to-date way of viewing service information, using computer-style formats, incorporating pictures and interactive views.

They offer high quality on-screen images with multicolour photographic still images, advanced text and graphics and are user-friendly. These services are free to anyone with a digital television, however, they are not available for all digital stations and are dependant on the broadcaster.

1 Ensure that **digital** mode has been selected. Press ▤/▨/▢ , it may take a few moments to load.

2 To navigate the pages and use the pull-down menus, use the coloured buttons and ∧, ∨, ‹ and › as directed.

3 Press ▤/▨/▢ again at any time to cancel.

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PROBLEM SOLVING

Questions and Answers

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*
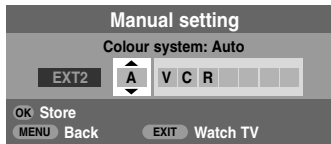
A Check the television is not in standby mode. Check the mains plug and all mains connections.

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

A 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 colour is factory set to **Auto** to automatically display the best colour system.

To check that you have the best colour:

1 With the external source playing, select **Manual setting** from the **SET UP** menu.

```
             Manual setting
           Colour system: Auto

   EXT2    ▲
           A   V  C  R
           ▼

  OK Store
  MENU  Back          EXIT  Watch TV
```

2 With ∧ or ∨ choose between **Auto**, **PAL**, **SECAM**, **NTSC 4.43** or **3.58**.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on page 7, then select the correct input by pressing ⊖.

Q *Why is there a good video picture but no sound?*

A Check all lead connections.

Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct *input* has been chosen, **S-VIDEO** or **AV**. See **AV connections** page 31.

Q *What else can cause a poor analogue picture?*

A Interference or a weak signal. Try a different television station. **Manual fine tuning** may help.

1 Select the **Manual tuning** menu. Highlight the station and press (OK), then press > to select **Manual fine tuning**.

2 Using ∧ or ∨ adjust to get the best picture and sound. Press (OK) and then (EXIT).

```
                 Manual tuning
              Manual fine tuning

  1   I   A  →  C 22   🔍  ▲     B B C 1
                           +2
                           ▼

  OK Store
  MENU  Back       EXIT  Watch TV
```
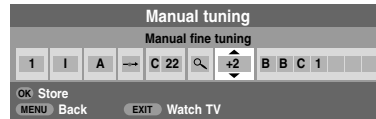
Q *Why don't the controls on the front of the television work?*

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

Q *Why doesn't the remote control work?*

A Check the batteries aren't dead or inserted incorrectly.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing [i+].

PROBLEM SOLVING

Q *Why is the* DTV *main menu unavailable?*

A Another mode is selected. Press ⊕ to select **DTV**.

Q *Why are some of the menus locked?*

A **Lock Menu** has been enabled (*see* 'Parental Controls' *page*).

Q *Why is the* digital *channel locked?*

A The channel has been selected in **Locked Programmes** (*see* 'Digital Settings' *section*).

Q *Why can only certain* digital *channels be viewed?*

A A **Favourite** list has been selected (see '*Favourite Programmes*' section), set the feature to **ALL PROGS** or change channels by using the number buttons.

Q *Why are some of the* digital *subscription channels unavailable?*

A Your subscription needs upgrading. Contact your service provider.

Q *Why is the soundtrack in English when a different audio language has been selected?*

A The programme is currently being broadcast with an English soundtrack only.

Q *Why is there incorrect or no sound when in* DTV *mode?*

A Press ◯I/II to check if the hard of hearing option has been selected.

Q *What can be done if the PIN number has been forgotten?*

A Use the Master PIN code of 1276, then change to a number of your choice. Ensure that no-one else can use the Master PIN by removing the Owner's Manual.

Q *Why when* digital *subtitles have been selected are they not showing on screen?*

A Subtitles are not currently being transmitted by the broadcaster.

Q *Why is there no* digital *text service?*

A The **digital** programme being viewed is not broadcasting digital text. Try another **digital** programme.

Q *Why are there problems with analogue text?*

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 the aerial. Go to the *main index* page of the text service and look for the *User Guide*. This will explain the basic operation of text in some detail. If further information is needed on how to use text *see the text section*.

Q *Why are there no analogue text sub-pages?*

A There are none broadcast or they have not yet loaded. Press the ⊟ button to access. *(See text section)*.

Q *Why are the four coloured text numbers visible but no text?*

A Text has been selected whilst viewing an external source i.e. DVD or VCR. No text will appear on screen or a box may appear stating no information is available. Select a broadcasting channel and press ⊟/⊿/▢ to access.

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Q *Why does the GREEN Active Standby LED sometimes take longer to go out?*

A When put into standby the television's active standby will automatically search all available channels for downloads, provided **Auto upgrade** is **On**. The time it takes to do this may vary.

Q *Why are the colours wrong when an NTSC source is played?*

A Connect the source via a SCART lead and play. Select Manual setting from the SET UP menu.

Manual setting

Colour system: Auto

EXT2   A   V C R

OK Store
MENU Back   EXIT Watch TV
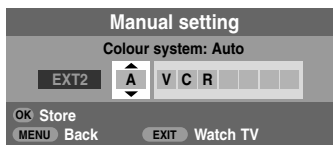
1 Set the Colour to **Auto** and exit.

2 Go to the **Picture settings** menu and adjust the tint.

Q *Why don't the devices connected via HDMI operate properly?*

A Make sure to use cables with the HDMI logo
HDMI (see page 8).

Some early HDMI equipment may not work properly with the latest HDMI TV products, due to new standard adoption. Try **Lip Sync** setting to **Off**.

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Notes

For your own records

Cleaning the screen and cabinet...

*Turn 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...

The following information is only for EU-member states:
The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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For your own records

INFORMATION

Specifications and accessories

DVB-T Broadcast systems/channels		Broadcast systems/channels	
UK	UHF 21-68	PAL-I	UHF UK21-UK69
France	VHF 05-10 (VHF 01-05)	PAL-B/G	UHF E21-E69
	UHF 21-69		VHF E2-E12, S1-S41
Germany	VHF 05-12	SECAM-L	UHF F21-F69
	UHF 21-69		VHF F1-F10, B-Q
Austria	VHF 05-12	SECAM-D/K	UHF R21-R69
	UHF 21-69		VHF R1-R12
Switzerland	VHF 05-12		
	UHF 21-69		
Italy	VHF 05-12 (D,E,F,G,H,H1,H2)		
	UHF 21-69		
Spain	UHF 21-69		
Nederlands	VHF 05-12		
	UHF 21-69		
Sweden	VHF 05-12		
	UHF 21-69		
Finland	VHF 05-12		
	UHF 21-69		
Greece	VHF 05-12		
	UHF 21-69		

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input/Output	21-pin SCART	RGB, A/V
EXT2	Input/Output	21-pin SCART	A/V, S-video
EXT3	Input	Phono jacks	$Y, P_B/C_B, P_R/C_R$
		Phono jacks	Audio L + R
EXT4	Input	Phono jack	Video
		Phono jacks	Audio L + R
HDMI 1/2	Input	HDMI™ (Audio LIP SYNC supported)	
HDMI1 Audio		Phono jacks	Audio L + R

Stereo		Nicam	
		2 carrier system	
Visible Screen Size (approx.)	Model	32	80cm
		37	94cm
		42	107cm
Display		16:9	
Sound output (at 10% distortion)		Main 10W + 10W	
Power consumption as specified in EN60107-1 : 1997	Model	32	137W
		37	169W
		42	217W
Standby (approx.)	Model	32	0.9W
		37	0.9W
		42	0.9W
Dimensions (approx.)	Model	32	55cm (H) 80cm (W) 22cm (D)
		37	62cm (H) 91cm (W) 25cm (D)
		42	68cm (H) 101cm (W) 26cm (D)
			(Height dimension includes foot stand)
Weight (approx.)	Model	32	14.3kg
		37	17.5kg
		42	22.0kg
Headphone socket		3.5mm stereo	
Accessories		Remote control	
		2 batteries	
		(AAA, IEC R03 1.5V)	

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Remember…

For television operation queries, please ring the helpline…

Toshiba customer helpline
0115 976 6958

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used with
Toshiba Televisions

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URL: http://tesc.toshiba.co.uk/Web/Website.nsf/ContentFrameSet?OpenFrameset

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Pre-Installed Software	EULA
Linux Kernel Busybox	Exhibit A
uClibc	Exhibit B
ZBOOT	Exhibit C

Exhibit A

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version 1.2.3, July 18th, 2005**

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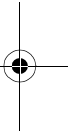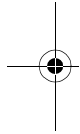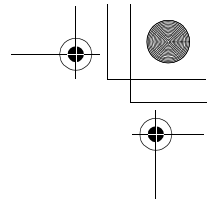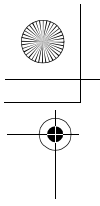
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