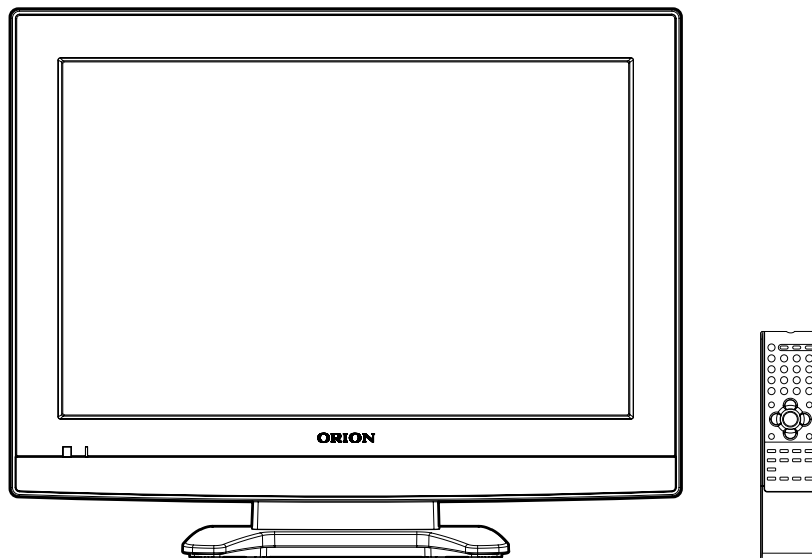


ORION

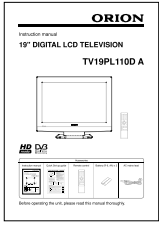
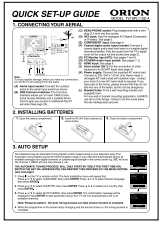
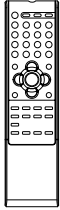

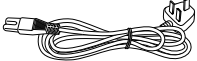
Instruction manual

19" DIGITAL LCD TELEVISION

TV19PL110D A



HD ready **DVB**
Digital Video
Broadcasting

Accessories				
Instruction manual 	Quick Set-up guide 	Remote control 	Battery (R-6, AA) x 2 	AC mains lead 

Before operating the unit, please read this manual thoroughly.

Safety warnings

Damage - Never use your TV if it is damaged in any way. Always place your TV on a flat level surface avoiding anywhere which may be subject to strong vibration.

Weather - It is advisable to unplug the aerial during an electrical storm.

Moisture - Do not allow your TV to be exposed to rain, moisture or dust. If any liquid is spilt into your TV it can cause serious damage. If you spill any liquid into your TV switch it off at the mains immediately. Contact your store.

Interference

Do not place your TV on or near appliances which may cause electromagnetic interference (TV or Hi-Fi speakers). If you do, it may adversely affect the working of the unit, causing erratic playback, distorted picture or sound.

Note:

- When installing the set on a wall, allow at least 10 cm clearance between the rear of the set and the wall. Clearance of less than 10 cm will obstruct the vents and cause the interior of the set to overheat, resulting in faults or damage to the set.
- If the unit is mounted on the wall, contact the shop where you purchased the unit for advice, and leave the installation work to experts. Incomplete installation work can cause you injuries.
- The apparatus must be connected to a mains socket outlet with a protective earthing connection.
- The socket outlet must be installed near the equipment and easily accessible.

* The "HD ready" Logo is a trademark of EICTA.

Temperature

Avoid extremes of temperature, either hot or cold, place your TV well away from heat sources such as radiators or gas/electric fires.

Ventilation

The TV must be well ventilated. Do not cover your TV or place inside a small confined space. It is recommended that you leave a 10cm gap all around your TV.

Batteries

Batteries are easily swallowed by young children. Do not allow young children to play with the remote control unit.

Covers - Do not remove any fixed covers as this may expose dangerous voltages.

Standby

Do not leave your TV in standby for long periods of time e.g. overnight or while on holiday. We recommend that you switch off / unplug at the mains power supply.

Attention!

Cleaning instructions for your LCD TV.

Safety note:

Before you start to clean, switch the set's power off completely and disconnect the plug from the mains power supply.

Be careful not to scratch the plastic coated front panel - it is highly vulnerable to accidental scratching (e.g. by fingernails or other sharp items).

While cleaning, do not wear jewellery that could cause surface scratching (such as rings, wrist-watch, etc.).

Use a lint-free cloth and pure water to clean with, but make sure the cloth is thoroughly wrung out so that it is just damp and not soaking wet - also make sure that the cloth is free from any dirt that could cause scratching to the surface.

Wipe the set clean using minimal pressure.

Do not use standard window cleaning fluid. Its alcohol / ammonia will dissolve the front window's coating.

Never use solvent or thinner. Never use special cleaners which are designed for cleaning PC Monitors or CRT TVs.

Finally carefully rub dry with a clean dry lint-free cloth.

Do not use paper towels or tissues to clean the set - paper can disintegrate when wet or may leave a trail of dust behind. Some paper can also be abrasive and scratch your screen.

Plasma and LCD TV Screen Burn Warning

A characteristic of Plasma and LCD TV Panels is that displaying the same image for a long time may cause a permanent after-image to remain on the screen. This is called screen burn. Most pictures shown on your TV will be constantly moving and fill the screen.

Examples of images that you need to watch out for are as follows (this is not an all-inclusive list):

- **Black Bars:** If black bars appear at the left/right or top/bottom of the screen it is recommended to change the format so that the picture fills the entire screen.
- **TV Channel Logos:** e.g. Shopping channel logos and pricing displays - especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
- **PIP and Multipip:** Do not view for long periods of time using the PIP or Multipip functions.
- **Time Displays**
- **Teletext:** Do not view a stationary page for long periods of time.
- **TV/DVD Menus:** e.g. Listings of DVD disk content.
- **Pause Mode:** Do not leave the screen in pause mode for long periods of time, e.g. When watching DVDs or videos.

Note: To prevent screen burn if viewing any of the above for long periods of time, reduce contrast and brightness when viewing. Once burn-in occurs it will never disappear completely.



Moving the unit or carrying by hand

When the unit is moved a long way, unplug the power cord and disconnect the aerial, connecting leads and any fall-prevention apparatus.

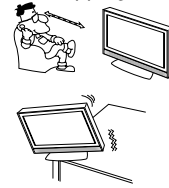
- Moving without doing so could result in damage to the power cord, a fire, electric shocks or injuries from dropping the unit.

The distance between eyes and the screen should be about 5 ~ 7 times as long as diagonal length of the screen.

- Viewing from too close a distance can cause strain for your eyes.

When installing the Monitor on a table, be careful not to place the edge of its stand.

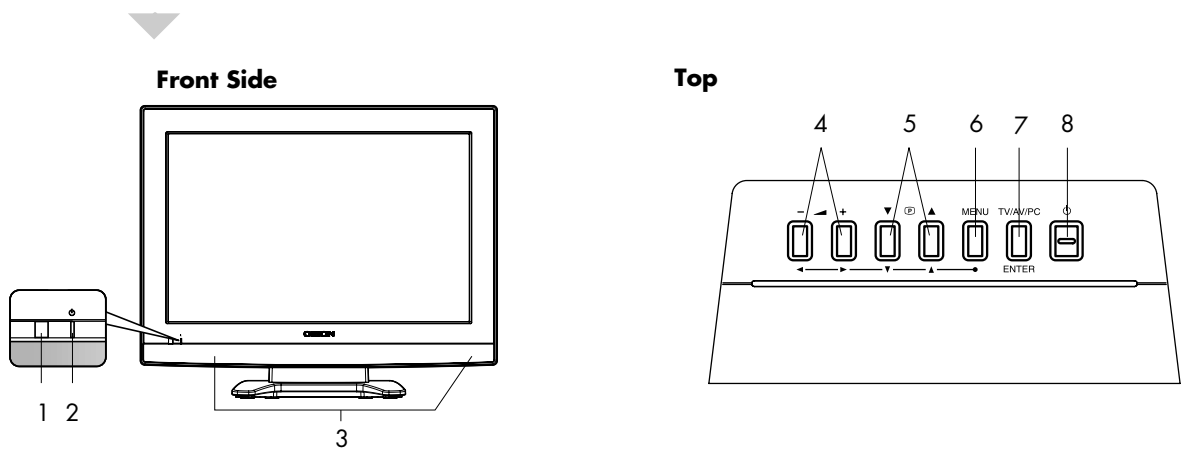
- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.



Contents

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Connection to other equipment	Pages 4-6	Carrier Setup	Page 21
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Other useful functions	Page 18	EPG Timer	Page 31
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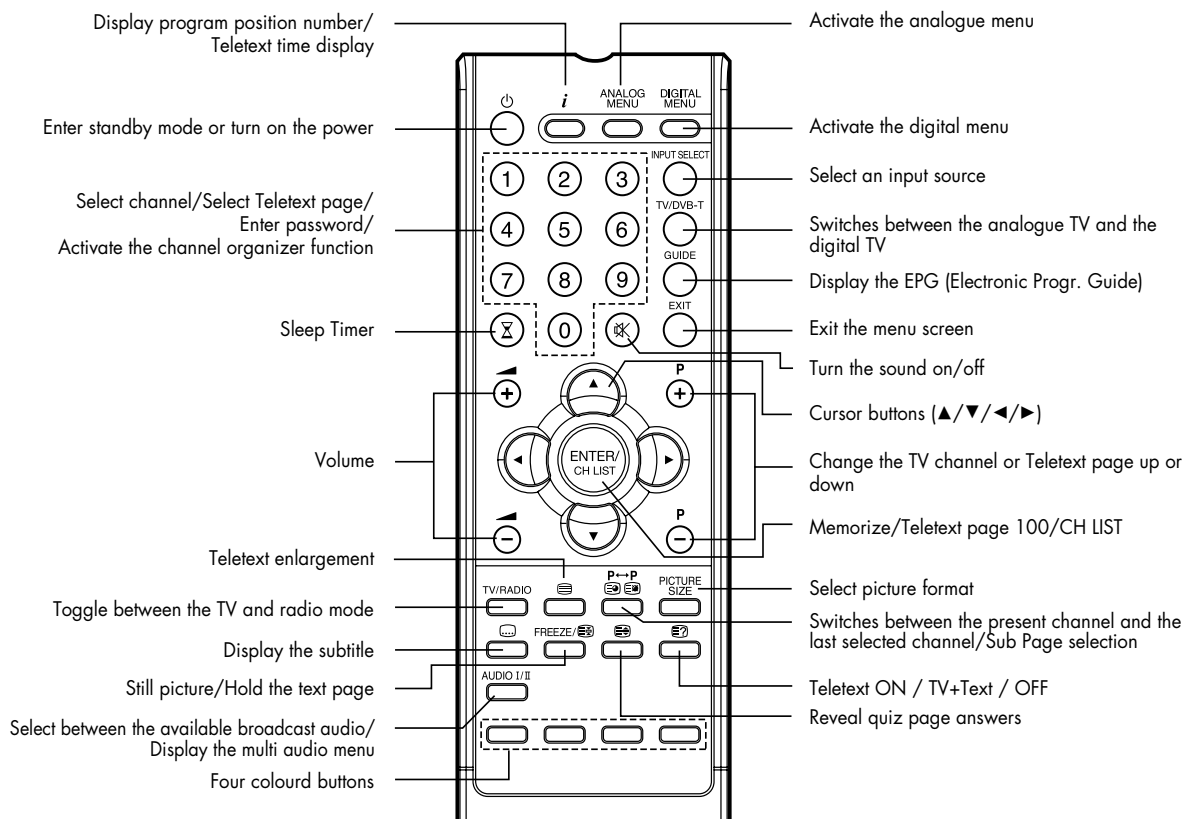
Location of controls



Description of Indicators and Controls

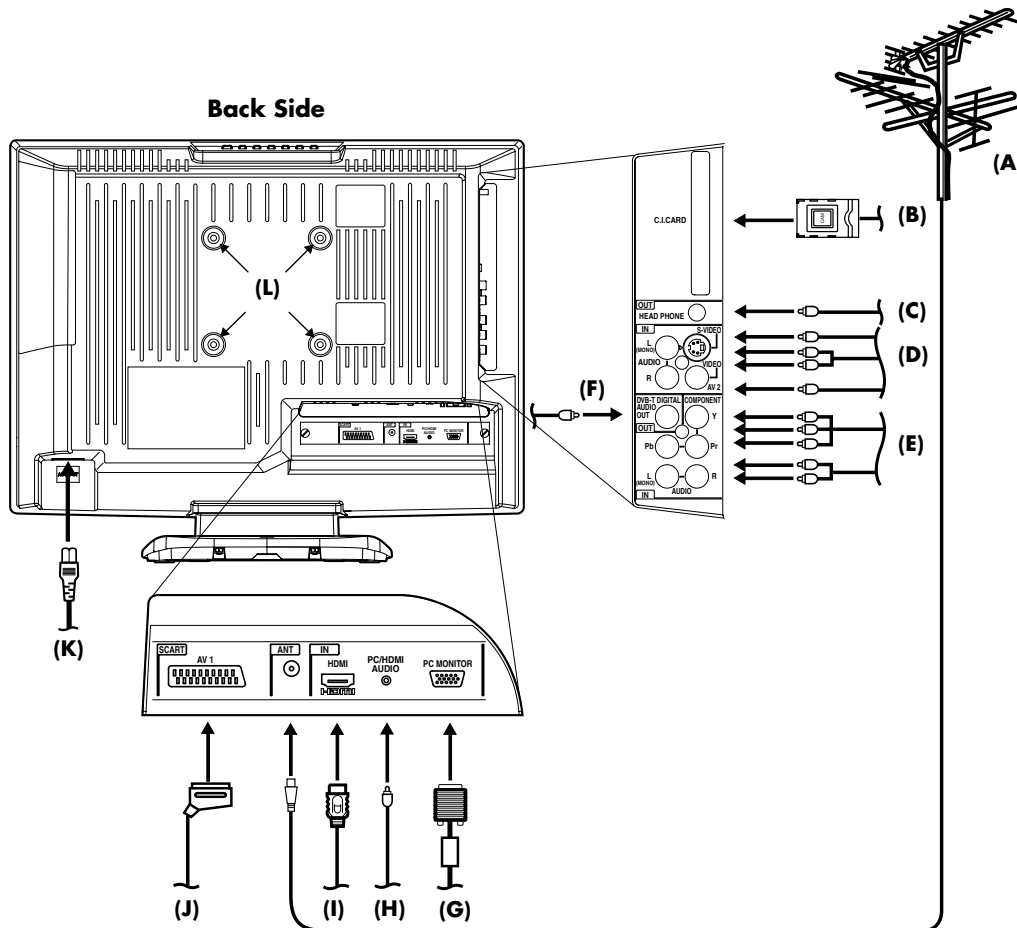
- 1. Remote sensor**
- 2. STANDBY/TIMER/ON indicator:** The LED indicator lights up red in STANDBY mode, green in the POWER ON mode.
- 3. Loudspeakers**
- 4. (VOLUME) +/- Buttons:** To adjust the volume. When the Menu is on the screen, these are used for changing settings.
- 5. (CHANNEL) ▲/▼ Buttons:** Press ▲ to move up a channel number. Press ▼ to move down a channel number. When the Menu is on the screen, these are used for changing settings. When the set is in standby, they can also be used to switch the power on.
- 6. MENU Button:** To display the menu screen.
- 7. TV/AV/PC Button:** Selects between the TV/AV/PC input modes.
- 8. (STANDBY) button:** To switch between the STANDBY and POWER ON modes.

Remote Control



Aerial connection

Note: To avoid possible damage, before you make any connections, turn off the TV at the **⏻ (STANDBY)** button and unplug it from the mains. Once the connections are in place, re-connect the unit to the mains and switch it back on.

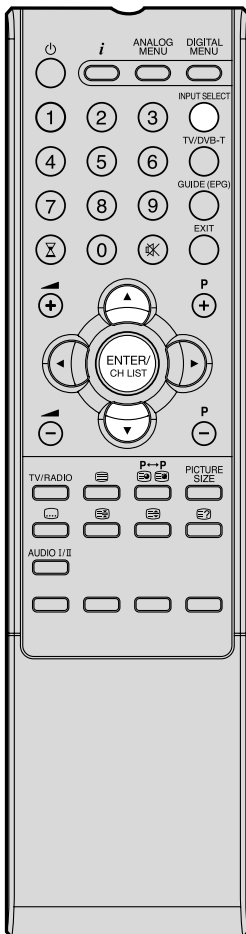
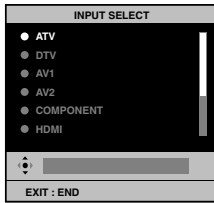


- (A) Aerial input socket:** Connect the outdoor aerial to the aerial input socket as shown.
- (B) DVB Common Interface:** The Common Interface allows you to insert CAM (Conditional Access Module) and a suitable Smart Card to give you access to additional Pay-TV services (See page 25).
- (C) HEAD PHONE socket:** Plug headphones with a mini plug (3.5 mm) into this socket.
- (D) AV2 input:** Input for analogue A/V-Signal (Composite or S-Video). See page 5.
- (E) COMPONENT input:** See page 6.
- (F) Coaxial digital audio output socket:** Connect a coaxial digital audio lead from here to a suitable digital decoder/amplifier. Only the audio from the TV's digital tuner will be output via this socket (see page 5).
- (G) PC Monitor input (PC):** See pages 7 and 8.
- (H) PC/HDMI Audio input socket:** See pages 7, 9.
- (I) HDMI input:** See page 9.
- (J) Scart socket (AV1):** For the connection of other equipment via SCART leads (see page 4).
- (K) Power supply:** Connect the supplied AC mains lead. Connect to 220~240 V / 50 Hz only. Never repair a damaged AC mains lead with isolation tape - contact your store if a new AC mains lead is required. If you have pets in the home, please ensure that they do not bite into any of the leads, as this can be dangerous.
- (L) Bracket holes:** To fix a wall mounting bracket (not supplied) here.
For any wall or bracket mounting application, ALWAYS use all 4 of the fixings - failure to do this could leave the set inadequately secured.

Connection to other equipment

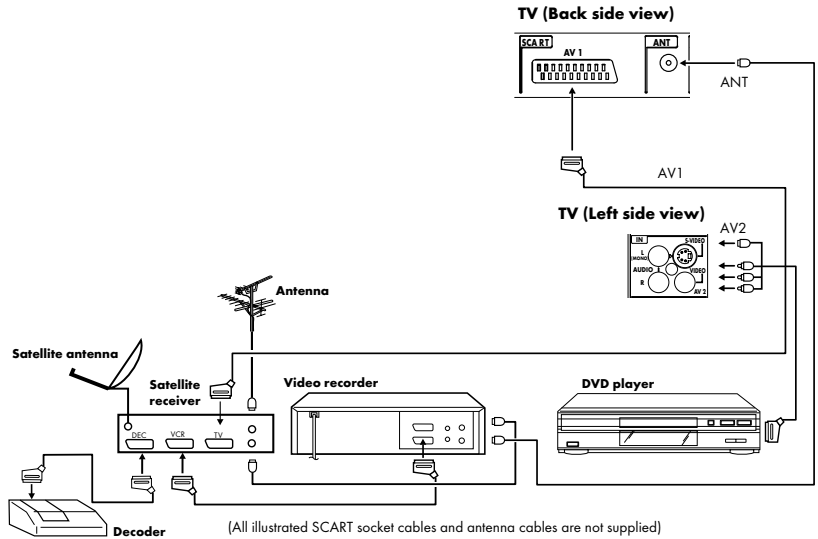
Selecting the video input source:

Press **INPUT SELECT** on the remote control or **TV/AV/PC** on the unit. The INPUT SELECT menu will appear. Then press **▲/▼** to select the video input source. Then press **ENTER** within 6 seconds.



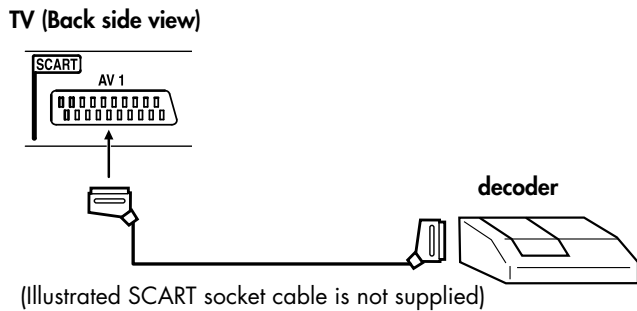
4

1 Examples of other AV equipment that you might connect to this TV



- Make sure to disconnect the appliance from the power supply in order to avoid any potential damage from occurring.
- Make sure to establish the required connection.
- Make sure that connections are properly and correctly attached before connecting the appliances to the power supply.

2 Connecting a decoder

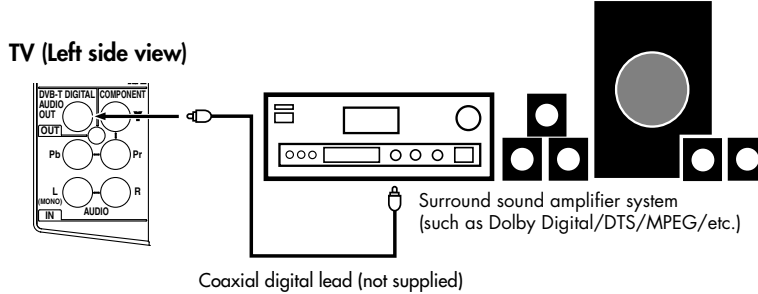


You can use the AV1 SCART socket when connecting a decoder and other audiovisual equipment.

Connection to other equipment

3

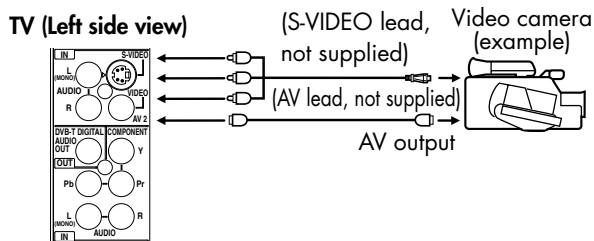
Connecting an audio system



The exact arrangement you use to interconnect various video and audio components to the unit is dependent on the model and features of each component. Check the Owner's Manual provided with each component for the location of video and audio inputs and outputs.

4

Connect to a Video camera or games console



Connect the Video camera (or games console) to the TV unit using the appropriate RCA / Phono AV leads (or S-Video if applicable). Select AV2-input mode (see page 4).

Note:

- If you have a camcorder with S-video, use an S-video lead instead of a standard video lead. Do not connect both a standard video lead and an S-video lead at the same time, or the picture performance will be unacceptable.

Connection to other equipment

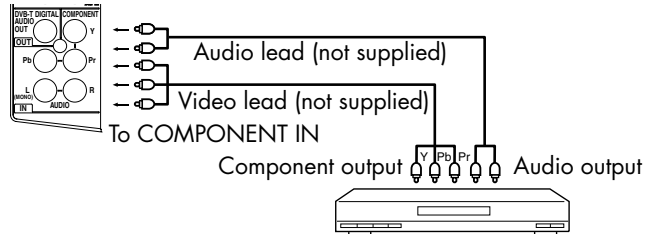
Note:

- The Component Video inputs on this unit can accept both interlaced signals (PAL: 576i/1080i or NTSC: 480i/1080i) and progressive signals (PAL: 576p/720p or NTSC: 480p/720p).

5

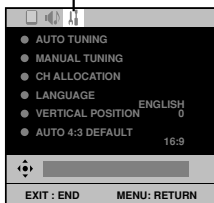
Connecting to a DVD player or other AV device with Component Video outputs

TV (Back side view)



If your DVD player (or other device) has Component Video output sockets, use a suitable set of leads (RCA/Phono) to connect these to the Component Video inputs on this TV as shown - it can greatly enhance the picture quality and performance. Please remember that you will also need to connect separate leads (RCA/Phono) for the audio signals. To view this source, select the COMPONENT input mode (see page 4).

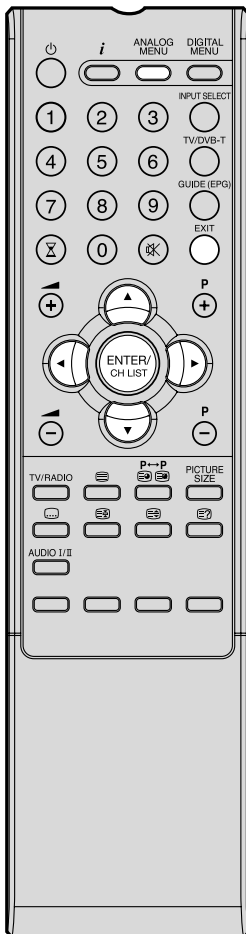
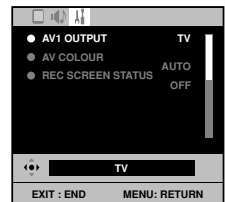
SETUP menu



6

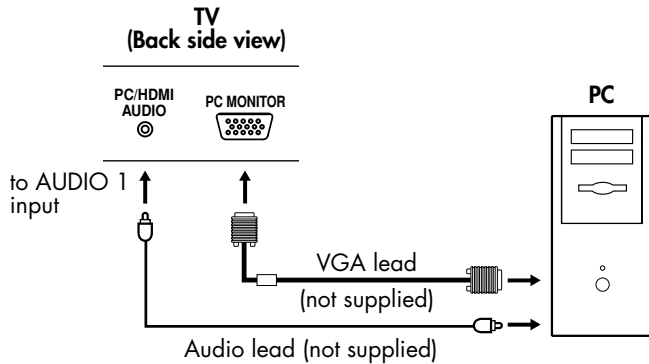
Selecting the setting for the SCART socket

- Press **ANALOG MENU**, the menu will appear on the screen. Press ◀ or ▶ to select **AV1 OUTPUT** (SETUP) menu. Press ▲ or ▼ to select AV1 OUTPUT, then press **ENTER**.
- Press ◀ or ▶ to select TV or MONITOR, then press **ENTER**.
 - TV:** Outputs the last channel position selected on RF.
 - MONITOR:** Shows the picture displayed on the TV-screen.
- Press **EXIT** to return to the normal screen.



PC Connection

Use a PC-VGA lead (not supplied) to connect your PC to this unit. Plug the lead carefully not to break or bend the contact inside of plug.



Select PC input

Press **INPUT SELECT** and press **▲** or **▼** to select PC, then press **ENTER**. PC appears on the TV screen.



Note:

- If there is no video signal from the computer when the unit is in PC mode, 'NO SIGNAL' will appear on the TV-screen.
- See next page for PC mode menu.

Monitor Display modes

MODE	Resolution	Refresh rate
VGA	640x480	60Hz
VGA	720x400	70Hz
SVGA	800x600	60Hz
XGA	1024x768	60Hz
WXGA	1280x720	60Hz
WXGA	1280x768	60Hz
WXGA	1360x768	60Hz

(according to Graphic card)

PCs are usually supplied with a 'normal' CRT monitor (Cathode Ray Tube).

Before you connect this unit to your PC, change the adjustment of your PC's graphic card.

Otherwise the picture may not appear correctly on the unit. Turn on your PC (still with your old Monitor) and select under 1360 x 768 for on-screen graphic resolution.

Select under 60 Hz for on-screen refresh rate.

Switch off your PC, then connect it to this unit while both items are still switched off.

Note:

- Digital PC-connection via HDMI input is not supported. If you try to connect your PC digitally anyway, the TV-operation might freeze. TV will stop to respond properly on usercommands.

Countermeasure:

Switch-off your TV and disconnect from the 220~240V-power-supply. Disconnect the digital PC-connection. Now you may retry operating your TV.

- If a digital PC-connection does show a picture, proper working is not guaranteed. Digital PCconnection is not granted for this TV.




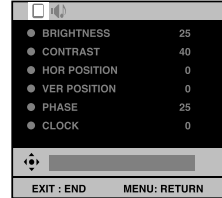
PC Connection

Note: The PC mode menu settings are not effective for normal TV-mode or external input mode.

Example: Adjust the brightness.

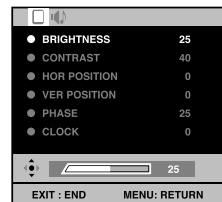
1

During PC mode press **ANALOG MENU**. The menu appears on the TV-screen. Press ◀ or ▶ to select  (PICTURE) menu.



2

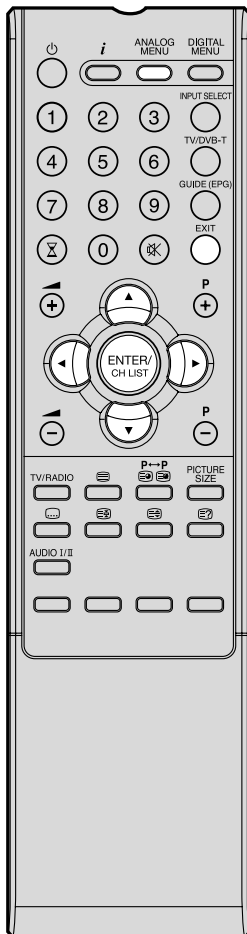
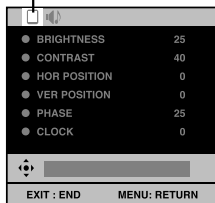
Press ▲ or ▼ to select BRIGHTNESS, then press **ENTER**. Then press ◀ or ▶ to adjust the brightness, then press **ENTER**.



3

Press **EXIT** to return to the normal screen.

PICTURE (PC) menu



Description of each setting option:

PICTURE menu

BRIGHTNESS and CONTRAST: can be set as you are accustomed to your TV.

HOR POSITION and VER POSITION: to adjust the horizontal and vertical placing of the image.

PHASE and CLOCK: eliminates the horizontal (PHASE) and vertical (CLOCK) interfering lines.

RED/GREEN/BLUE: influences the colour balance.

BACKLIGHT: Press ◀ or ▶ to adjust the level you require.

WXGA INPUT: When you input WXGA, set this option to 'ON'.

RESET: Press **ENTER** to reset BRIGHTNESS, CONTRAST, RED, GREEN, BLUE and BACKLIGHT to the factory preset values.

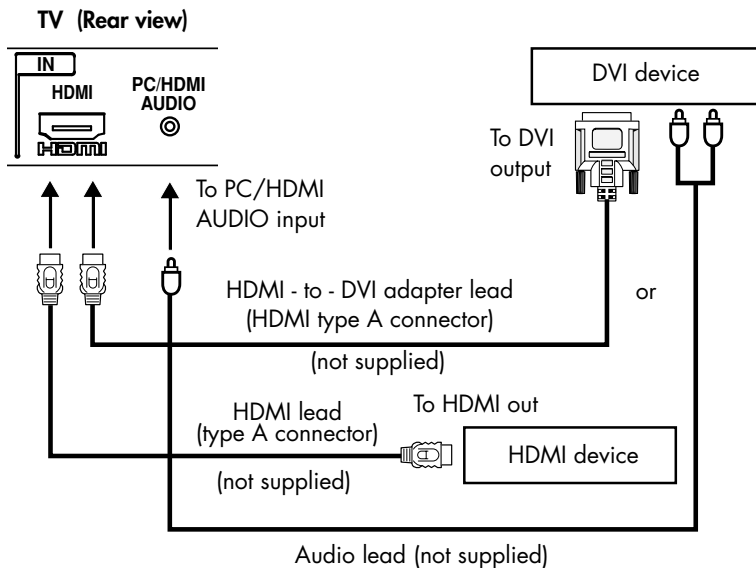
AUDIO menu

BASS/TREBLE/BALANCE: Tone setting menu.

RESET: Press **ENTER** to reset BASS, TREBLE and BALANCE to the factory preset values.

Connecting an HDMI or a DVI device to the HDMI input

The HDMI input receives digital audio and uncompressed video from an HDMI equipped device or uncompressed digital video from a DVI equipped device. When you connect to a DVI device with a HDMI-to-DVI adapter lead, it only transfers the video signal, so it is necessary to use separate analogue leads (RCA/Phono type) to transfer the audio signals. Select the HDMI input mode (see page 4).



HDMI™

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

HD ready This set is classed as "HD-Ready". This means that it is capable of displaying HD (High Definition) signals when connected to a suitable HD source, such as an HD receiver or DVD player that has HD capability, via HDMI, DVI, or Component Video connections.

Note:

- Some devices may not operate properly with the TV.

Details of HDMI input signals

HDMI compliant (type A connector), HDCP compliant
 Suggested scan rates: PAL: 576i/576p/720p/1080i
 NTSC: 480i/480p/720p/1080i
 HDMI Audio: 2-channel PCM, 32/44.1/48 kHz sampling frequency
 16/20/24 bits per sample

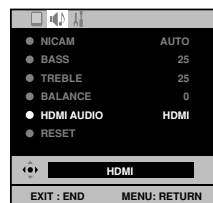
Selecting the HDMI audio input source

You must choose the appropriate HDMI audio input setting for each connection, depending on whether the source is equipped with a DVI or HDMI socket.

1

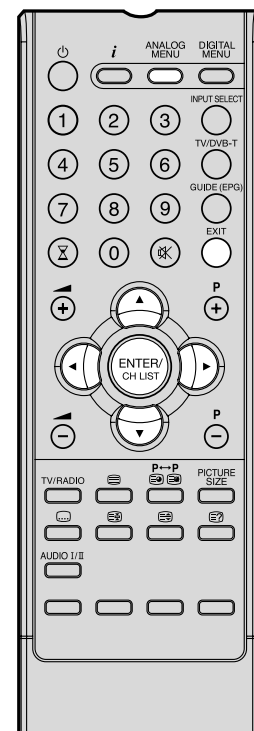
Press **ANALOG MENU**, the menu will appear on the screen. Press ◀ or ▶ to select **(AUDIO)** menu.

Press ▲ or ▼ to select **HDMI AUDIO**, then press **ENTER**. Then press ◀ or ▶ to select **HDMI** or **DVI**, then press **ENTER**.



2

Press **EXIT** to return to the normal screen.



Analogue Menu System/On-screen Language Selection

Note:

- If no buttons are pressed for more than approx. 60 seconds, the menu disappears automatically.
- If you have already successfully selected your preferred language at the Automatic Tuning stage, you don't need to go through the procedure below to select it.

Preparation

Turn on the unit with **⏻ (STANDBY)** on the top of the unit or press **⏻ (STANDBY)** on the remote control.

You can also turn the unit on with **⏻ (CHANNEL)** **▲** or **▼** on the unit or **P +** or **P -** on the remote control.

To turn off the unit press **⏻ (STANDBY)** on the unit or press **⏻ (STANDBY)** on the remote control - to completely switch it off, disconnect the mains power supply.

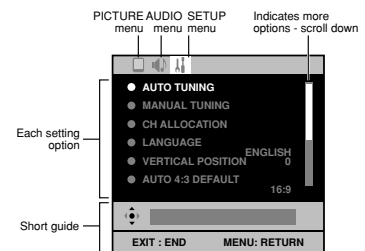
Analogue Menu System

Make sure the antenna and power supply are correctly connected according to the instructions on page 3.

1

Press **ANALOG MENU**, the menu will appear on the screen.

Press **◀** or **▶** to view the 3 menu options **□** (PICTURE), **🔊** (AUDIO), **⚙️** (SETUP).



2

Press **▲** or **▼** to select whichever item you require. The function can be activated by pressing **ENTER**.

Note:

- Some of the menus have more than one page of items - a scroll bar indicates that you can scroll down or up to select other items.

3

Press **EXIT** to return to the normal screen.

On-screen Language Selection

This TV has 13 different languages for menu set up which can be selected through the On-Screen Display: English, German, French, Spanish, Italian, Dutch, Portuguese, Swedish, Finnish, Polish, Greek, Russian or Turkish.

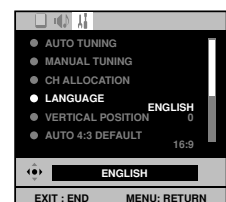
1

Press **ANALOG MENU**, the menu will appear on the screen.

Press **◀** or **▶** to select **⚙️ (SETUP)** menu.

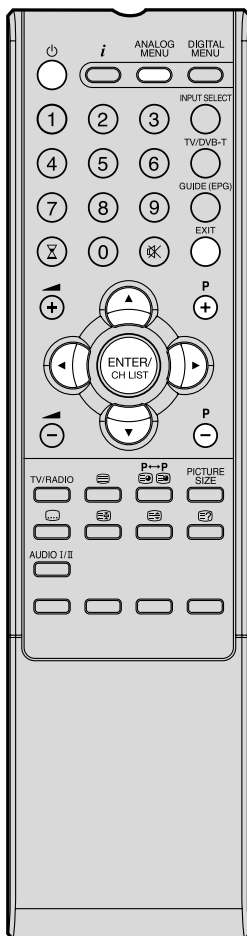
2

Press **▲** or **▼** to select **LANGUAGE**, then press **ENTER**. Press **◀** or **▶** to select the desired language, then press **ENTER**.



3

Press **EXIT** to return to the normal screen.



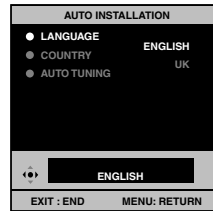
Auto setup

1 Switching on

Press **⏻ (STANDBY)** on the top side of the unit.
The Auto Installation menu will appear first.

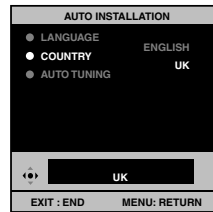
2 Select language

Press **▲** or **▼** to select LANGUAGE, then press **ENTER**.
Press **◀** or **▶** to select the desired language, then press **ENTER**.



3 Select country

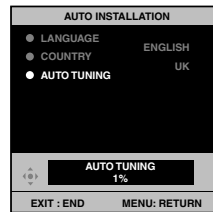
Press **▲** or **▼** to select COUNTRY, then press **ENTER**.
Press **◀** or **▶** to select your country, then press **ENTER**.



4 Start tuning

Press **▲** or **▼** to select AUTO TUNING, then press **ENTER**.

The confirmation message will be displayed.
Press **ENTER** to start automatic tuning.

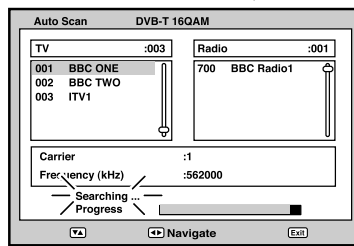


(ANALOGUE)

Your TV will now tune in all available channels.
Your TV will tune the analogue channels first, then tune the digital channels.

Note:

- Please be patient - the Auto Tuning process can take several minutes to complete.



(DIGITAL)

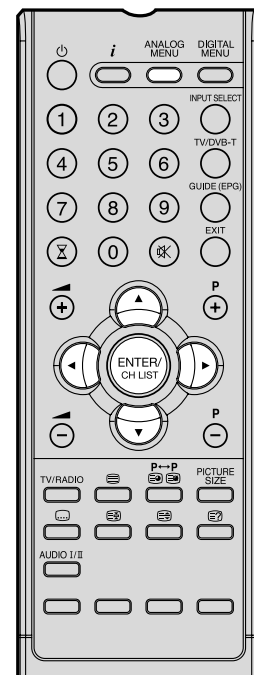
When the programme on the screen stops changing and the sound comes on, the search process is complete.

Note:

- To cancel the Auto Tuning, press **ANALOG MENU** during the process.
- If the received signal for some channels is too weak, the automatic tuning system may not pick them up - in this case you may need to use manual tuning (see page 13).

Your television has an Automatic Tuning System which makes tuning in your television easy. This Automatic Tuning System scans the entire reception range in your area and automatically stores all available analog and digital (DVB) channels of suitable signal strength in the correct order e.g. BBC1 will tune into channel 1, BBC2 will tune into channel 2, etc.

THE AUTOMATIC TUNING PROCESS WILL ONLY START BY ITSELF THE FIRST TIME YOU SWITCH THE SET ON. TO RESTART AUTO TUNING, SEE PAGE 12 FOR ANALOGUE CHANNELS, AND PAGE 20 FOR DIGITAL CHANNELS.



Auto tuning/Changing the order of stored channels

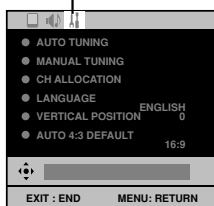
If you need to restart the automatic tuning process for analogue channels, use the following procedure.

This TV has 18 different countries for menu set up which can be selected through the On-Screen Display: UK, Germany, France, Spain, Italy, Belgium, Netherlands, Switzerland, Austria, Portugal, Finland, Poland, Czech Republic, Hungary, Slovenia, Greece, Russia, Turkey and Other.

Note:

- To restart digital auto tuning, see page 20.
- When the COUNTRY is set to UK, the automatic tuning will search for UHF broadcasts only.
- When allocating your channels, we recommend that you start with CH 1, continuing with the other channels afterwards.

SETUP menu



12

Preparation

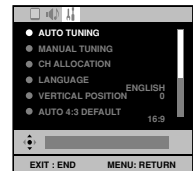
Please ensure that all the connections have been made correctly (see page 3). If you need to restart the automatic tuning process, use the following procedure.

Auto tuning

1

Press **ANALOG MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select  (SETUP) menu.
Press ▲ or ▼ to select AUTO TUNING, then press **ENTER**.



2

Press ▲ or ▼ to select COUNTRY, then press **ENTER**.
Press ◀ or ▶ to select your country, then press **ENTER**.



3

Press ▲ or ▼ to select START, then press **ENTER**.

The automatic tuning will search for available broadcasts and should store the channels in the correct order. During the search the sound is muted. When all programmes have been stored, the normal TV screen will appear.

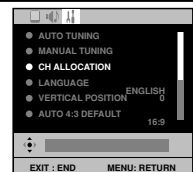
Changing the order of stored channels

The Automatic station presetting stores the stations found in a specific order. This will normally be the correct order (e.g. BBC1 on CH 1 etc.), however if it is necessary the order can be changed.

1

Press **ANALOG MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select  (SETUP) menu.
Press ▲ or ▼ to select CH ALLOCATION, then press **ENTER**.



2

Press ▲ or ▼ to select desired option, then press **ENTER**.



Description about the each setting option:

SORT: Press ▲ or ▼ to select the channel that you want to move, then press **ENTER**.

Press ▲ or ▼ to select the position that you want to move the channel to, then press **ENTER**.

ERASE PROGRAM: Press ▲ or ▼ to select the channel that you want to erase, then press **ENTER**.

SKIP: Press ▲ or ▼ to select the channel that you want to skip, then press **ENTER**. * mark will appear.

CH LABEL: Press ▲ or ▼ to select channel that you want to rename, then press **ENTER**. Press ▲ or ▼ to select character, then press ◀ or ▶. The cursor will move to the next position. Press **ENTER** to set the channel label.

3

After setting the each option, press **EXIT** to return to the normal screen.

Manual tuning

Example:

Preset BBC 2 in program position 2.

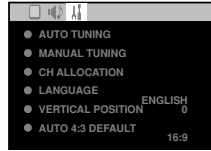
Preparation

Select program position 2.

1

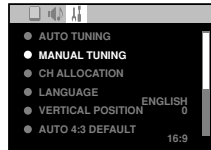
Press **ANALOG MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select  (SETUP) menu.



2

Press ▲ or ▼ to select **MANUAL TUNING**, then press **ENTER**.

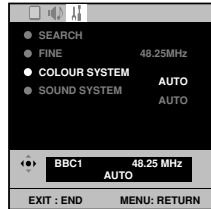


3

Press ▲ or ▼ to select **COLOUR SYSTEM**, then press **ENTER**.

Press ◀ or ▶ to select **AUTO**, **PAL** or **SECAM** then press **ENTER**.

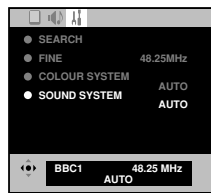
Please note that **PAL** should be selected for use in UK.



4

Press ▲ or ▼ to select **SOUND SYSTEM**, then press **ENTER**.

Press ◀ or ▶ to select **AUTO**, **B/G**, **I**, **D/K** or **L/L'**, then press **ENTER**.

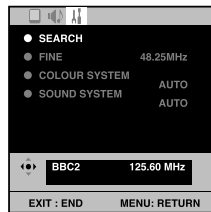


5

Press ▲ or ▼ to select **SEARCH**, then press **ENTER**.

Press ◀ or ▶. The auto search begins. It will stop at each station that has a good enough reception. Press ◀ or ▶ again until you receive a clear **BBC2** picture, then press **ENTER**.

- If you want to stop the search manually, press **ENTER** while the frequencies is counting up.

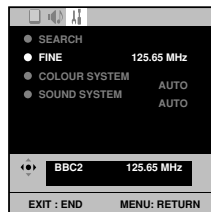


6

The auto search should find the best reception automatically, so fine tuning is not normally necessary. However if you want to you can fine tune the reception manually...

Press ▲ or ▼ to select **FINE**, then press **ENTER**.

Press ◀ or ▶ to tune the receivable frequencies depending on TV norm, installation site, and range, then press **ENTER**.



7

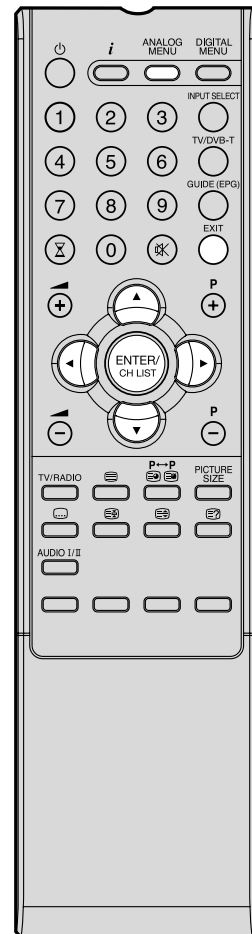
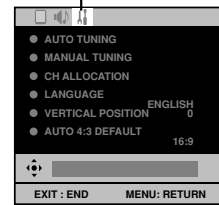
Repeat steps above to preset other TV stations.

8

Press **EXIT** to return to the normal screen.

Usually the Auto Tuning stores all available stations in the reception area. If some stations have poor reception, they may not be stored - however, you can store these manually if you wish.

SETUP menu



Basic TV functions

Note:

- If the built-in tuner does not receive any signal (e.g. if no aerial is connected or if the broadcast transmission stops) during TV operation, this unit will switch to standby after approx. 15 minutes.

Channel Selection

With the **10 Number Buttons**.

Example:

- No. 2: Press **0** and within 2 seconds, press **2**. The station stored in the CH2 position will appear.
- No. 29: Press **2** and within 2 seconds, press **9**. The station stored in the CH29 position will appear.

With the **P +** or **P -** buttons.

Press **P +** or **P -** to change the program number up or down. Each change will take approx. 2 seconds.

- In DTV mode

Min. numbered Digital CH \longleftrightarrow Max. numbered Digital CH

- Other than DTV mode

\rightarrow Min. numbered Analogue CH \longleftrightarrow Max. numbered Analogue CH \leftarrow
 \leftarrow PC \longleftrightarrow HDMI \longleftrightarrow COMPONENT \longleftrightarrow AV2 \longleftrightarrow AV1 \leftarrow

With the **CH LIST** button.

Press **CH LIST** to display channel list. Press \blacktriangle or \blacktriangledown to select the desired program, then press **CH LIST** to display the selected program.

If the auto search only stored 5 stations, only these 5 will appear. Concealed channels will not appear (see page 12).

Quick View

P \leftrightarrow P button allows you to go back to the last selected channel or input source.

Volume adjusting

Press \blacktriangle + or \blacktriangledown - to adjust the volume. The volume level indicator disappears after 4 seconds.

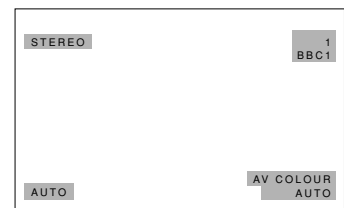
MUTE

Press \times . The sound will be cut off. MUTE will display on the screen for approx. 4 seconds. The muting can be released by pressing \times again or \blacktriangle + or \blacktriangledown -.

DISPLAY

In the analogue TV mode: Press **i**. Channel number and picture size setting will appear for approx. 4 seconds.

In the digital TV mode: Press **i**. The program information will appear (see 'Channel banner' on page 27).



SLEEP TIMER

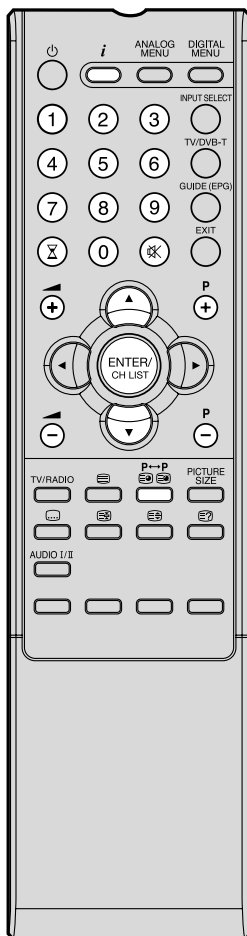
Press \times . SLEEP and the number of minutes until the set is due to shut - off will appear. Each time you press \times the SLEEP time will decrease in 10 minute intervals.

When the displayed time runs out, the unit will switch to standby. The display will disappear after approx. 4 seconds.



To cancel the sleep timer:

Press \times repeatedly until '0' appears.



Teletext

Teletext is sent page by page. This unit is able to automatically store up to 256 pages. Storage lasts until all pages have been received. The pages can only be accessed when they have been stored. This can take a moment.

Fastext/TOPtext


The Fastext/TOPtext is teletext with a special directory.


On the lower part of the screen there are four different coloured fields (red, green, yellow and blue). These fields lead directly to the pages shown within. The **Four coloured buttons** on the remote control correspond to the coloured fields. Press the appropriate coloured button in order to go to the page represented by that particular colour field.


Switch on / off Teletext

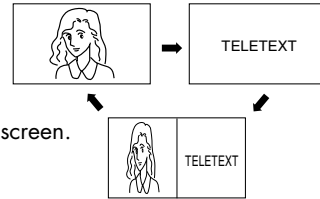
Teletext is not transmitted by all channels.

Select a channel that shows teletext.

Press . You will now see a teletext page (as long as it is available).

Press  again to display the Teletext and normal TV picture at the same time on the screen.

Each time you press , the screen switches as shown right.



Note:

You cannot select any other channels as long as teletext is switched on. Switch teletext off when you want to switch over to another channel.



Select Page

Press **P +** or **P -** until the desired page appears. Or ... enter the requested page number by using the **10 Number Buttons**.

And if you mistype something, just enter the complete 3-digit wrong page number then enter the desired number again. Or ... press one of the coloured teletext buttons so that a page from Fastext/TOPtext is shown.

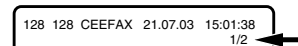
Hold Pages

Some pages are divided up into subpages by the channel.

Subpages are automatically shown in turn, as they are transmitted. In order to hold the page, press . Press  again in order to display the next subpage.



Directly Select Subpages



You can directly select the subpages if required.




Example:

Page 128 from Teletext may comprise 2 subpages. In the right upper corner you will, for example, see 1/2. That means that page one of 2 subpages is being shown at the moment.


Press   in order to select subpage 2. Four dashes (----) are shown. Enter '0002'. It can take a minute before subpage 0002 appears.

Press   again in order to switch off the subpage feature. You can only select other teletext pages when the subpage feature is switched off.

Enlargement


In order to enlarge the display, press .

Either the upper or lower half of the screen is enlarged.

Each time you press  you switch between the display of the upper or lower half of the screen or the full picture.

Answering Quiz Questions

Some pages contain quiz questions with concealed answers.

Press  in order to show the answers.

Index page (Page 100)

Press **ENTER** in order to show page 100 (this is normally the Index page).

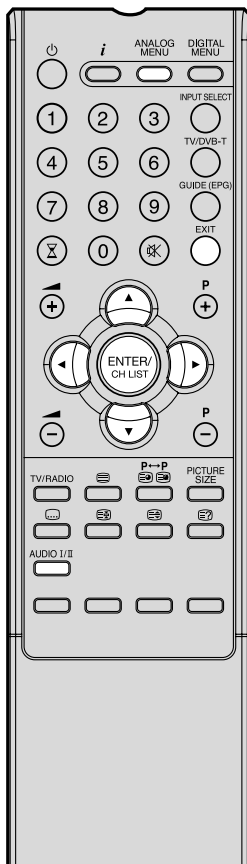
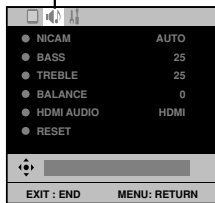
Adjusting the NICAM stereo sound

The built-in tuner can receive and distinguish NICAM Stereo broadcasts automatically, provided the NICAM setting in the menu is set to 'AUTO'.

Note:

- Sometimes if reception is poor, the NICAM stereo sound may not be received correctly. In case of 2 channel sound reception, you can select the desired sound with **AUDIO I/II**.

AUDIO menu



NICAM stereo sound reception:

1

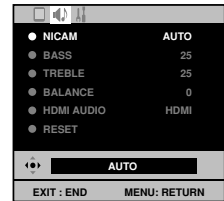
Press **ANALOG MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select (AUDIO) menu.

Press ▲ or ▼ to select NICAM, then press **ENTER**.

Press ◀ or ▶ to select AUTO or OFF.

Select OFF if you want to revert to standard mono FM audio reception.



2

Press **EXIT** to return to the normal screen.

When NICAM reception is available, one of the following indications will be displayed.

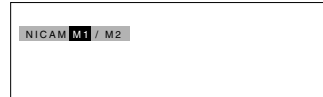
'NICAM ST' illuminates for approx. 4 seconds when a NICAM STEREO broadcast signal is received.



'NICAM M1' illuminates for approx. 4 seconds when a NICAM MONO A broadcast signal is received.



'NICAM M1/M2' illuminates for approx. 4 seconds when a NICAM MONO A and MONO B broadcast signal is received.



This will be displayed for approx. 4 seconds when 'NICAM OFF' is selected in the menu screen.



Stereo reception

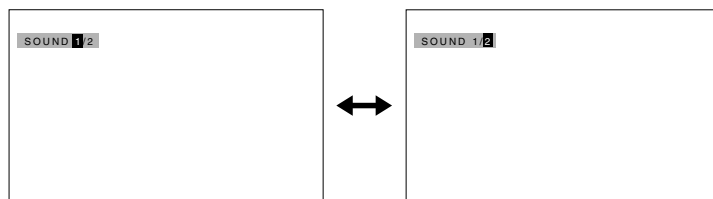
'STEREO' illuminates for approx. 4 seconds when a STEREO broadcast signal is received.



Adjusting the Nicam stereo sound

Pressing **AUDIO I/II** alternates between the two different audio channels (when applicable).

NICAM 2-channel sound reception



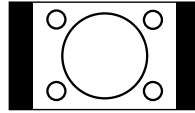
Picture format

Pressing **PICTURE SIZE** repeatedly scrolls through the following options.

Manual format setting

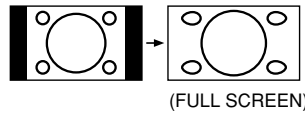
4:3

It shows a 4:3 picture in original size with black bands on left and right side.



FULL SCREEN:

Stretches the left and right hand sides of a 4:3 picture horizontally to fill the screen, while leaving the centre of the picture unstretched.

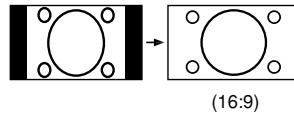


Note:

- In this mode the picture is geometrically distorted on the left and the right sides of the screen.

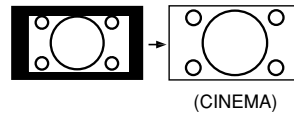
16:9

This mode is used with 16:9 signals from the Digital tuner, a DVD player or other external source. This uniformly stretches a 4:3 image horizontally to fill the screen (For example, a 16:9 image is often stored 'anamorphically' on a DVD, where the 16:9 image is stored as a horizontally compressed 4:3 image - this mode restores the image to its correct 16:9 proportions).



CINEMA:

This mode is used to zoom-in on (expand) 4:3 'letterbox' format pictures (with black bars at the top and bottom) so that they fill more of the screen.

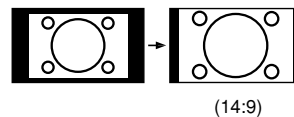


Note:

- In the CINEMA mode, part of the picture may be slightly cut off due to the expansion. However, it is possible to scroll the picture up or down to view the top or bottom part of the picture (see page 18).
- If you operate OSD functions such as the EPG or Digital Menu whilst in the CINEMA mode, the screen will temporarily change to the FULL SCREEN mode.

14:9:

This enlarges a 4:3 picture to the 14:9 format.



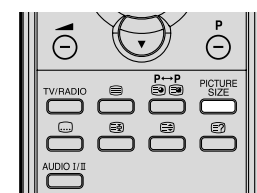
AUTO:

Automatically selects the aspect ratio (see note to the right).




Note: When the PICTURE SIZE is set to AUTO, the aspect ratio will automatically change according to the Wide Screen Switching (WSS) signal, if it is available. This may be either transmitted by the broadcasting TV channel, or via a recording from a VCR etc. Any WSS signal received will only be effective in the AUTO mode - however, some DVD players / Digital Decoders etc. will automatically switch the aspect ratio via the SCART input (Pin 8 switching), even if AUTO is not selected. In any case if you want to change to a different aspect ratio to the one selected automatically, you can change it by pressing PICTURE SIZE.

In PC mode, the PICTURE SIZE feature is available only for 16:9 or 4:3 format. (In "WXGA INPUT" mode, the PICTURE SIZE feature is not available.)

In HDMI or COMPONENT mode of scanning rate: 720p and 1080i, the PICTURE SIZE feature is available only for AUTO and CINEMA format.



Other useful functions

Icon	Selected Items		Setup hint
	PICTURE PREFERENCE	SPORTS	Bright and dynamic picture (factory-set)
		STANDARD	Standard picture quality (factory-set)
		MOVIE	Movie-like picture setting (factory-set)
		MEMORY	Your personal preferences
	BRIGHTNESS / CONTRAST / COLOUR / TINT (NTSC) / SHARPNESS		You can adjust the picture to your preference. PLEASE NOTE: The "TINT(NTSC)" function can only be selected in an NTSC 3.58MHz or NTSC 4.43MHz signal is input through one of the AV sockets, and NTSC or AUTO has been selected for the AV COLOUR option.
	COLOUR TEMPERATURE		Bluish (COOL) / Neutral (MEDIUM) / Reddish (WARM)
	BLUE BACK	ON / OFF	You can set the TV to automatically change to a blue screen and mute the sound if the signal is weak or absent.
	BACKLIGHT		You can use the Back light feature to adjust the screen brightness for improved picture clarity.
RESET		Select "RESET" to reset PICTURE PREFERENCE, BRIGHTNESS, CONTRAST, COLOUR, TINT (NTSC) / SHARPNESS, COLOUR TEMPERATURE and BACKLIGHT to the factory preset values.	
	NICAM		See page 16.
	BASS / TREBLE / BALANCE		You can adjust the sound quality to your preference.
	HDMI AUDIO		See page 9.
	RESET		Select "RESET" to reset BASS, TREBLE and BALANCE to the factory preset values.
	AUTO TUNING		See page 12.
	MANUAL TUNING		See page 13.
	CH ALLOCATION		See page 12.
	LANGUAGE		See page 10.
	VERTICAL POSITION		When the CINEMA mode is selected (see page 17), you can adjust the vertical picture position. Press ◀ or ▶ to adjust the vertical position of the picture by up to +10 and downwards by up to -10.
	AUTO 4:3 DEFAULT ^{*1}	4:3 / 16:9	This option selects the default way that a 4:3 signal is shown - either as normal "4:3" or expanded in the "16:9" mode, according to your preferences.
	AV1 OUTPUT	TV/MONITOR	See page 6.
	AV COLOUR ^{*2}		The AV Colour setting only applies when viewing devices connected to the AV inputs.
	REC SCREEN STATUS	ON / OFF	This function is used in conjunction with the Timer function that is included as STATUS part of the Digital EPG. It determines whether the TV screen switches on or not when a programmed Timer setting begins - see page 31 for further details.

Note:

^{*1} AUTO 4:3 DEFAULT is available only for AUTO picture size setting.

^{*1} In COMPONENT mode, AUTO 4:3 DEFAULT is available only for 480i/576i mode.

^{*2} PAL is the colour system used in Germany. NTSC 3.58 is used in the USA, PAL 60 used in Germany handled video recorders, which play NTSC video tape recording.

Guide to using the Digital Menu System

Preparation

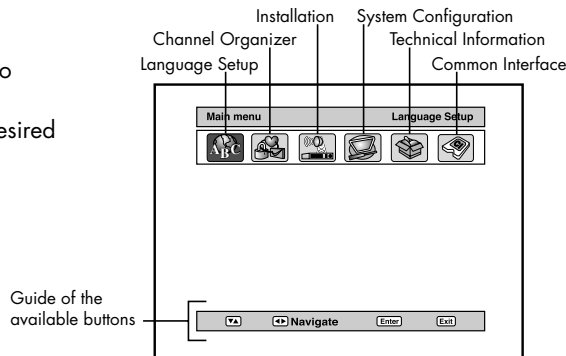
Press **TV/DVB-T** to select the digital TV mode.

or

Press **INPUT SELECT** and press **▲** or **▼** to select DTV, then press **ENTER**.

1

Press **DIGITAL MENU** to display the Main menu. Press **◀** or **▶** to select desired options. (Example: selecting the Language Setup option.)



2

Press **ENTER**.

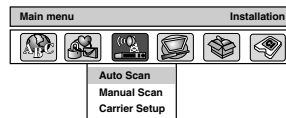
The selected menu will appear.



Some of the options have a sub menu.

Press **▲** or **▼** to select desired sub menu, then press **ENTER**.

(Example: sub menu in the Installation option.)



3

When you have finished making adjustments, press **EXIT** to return to the normal screen.

Note:

- In analogue TV mode, **DIGITAL MENU** will not work. Please press **TV/DVB-T** to select digital TV mode to display the digital menu. However, it is possible to use the **ANALOG MENU** in the digital TV mode. The analogue menu includes some general settings for this TV that apply to both modes, and it will be displayed over the digital TV screen.

When the set is in the digital mode, you can access the main menu by pressing **DIGITAL MENU** on the remote control.

This main menu contains several options,

- Language Setup
- Channel Organizer
- Installation
- System Configuration
- Technical Information
- Common Interface

The main menu is the gateway for all the other 'sub' menus. You can navigate between the different options in the main menu by pressing **◀** or **▶**.

The **DIGITAL MENU** key will also function like an 'EXIT' key, i.e. when any menu is active, pressing the **DIGITAL MENU** key will return to the previous stage.



Language Setup/Auto Scan

DIGITAL MENU allows you to make your own choice of language which you wish to have. From the list of languages you can select the preferred,

- Menu Language
- Pref. Audio Language
- Pref. Subtitle Language
- Pref. Digital Service Language

Menu languages supported are English, French, German, Italian, Spanish, Russian, Portuguese, Dutch, Polish, Swedish, Turkish, Finnish and Greek. (Welsh and Gaelic are available only for Digital Service Language.)

Note:

- All the channels will be deleted before the scanning process begins.
- You can cancel the scan process at any time by pressing **EXIT**. The carriers and the services stored before **EXIT** is pressed will be stored.



20

Language Setup

1

Press **DIGITAL MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select Language Setup option, then press **ENTER**.



2

Language Setup menu will appear.

Press ▲ or ▼ to select the item you want to change.

Press ◀ or ▶ to select desired language.



3

When all changes are decided, press **EXIT** to return to the normal screen.

Auto Scan

Preparation

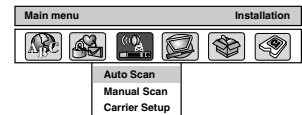
- Please ensure that all the connections have been made correctly (see page 3).

1

Press **DIGITAL MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select Installation option.

Press ▲ or ▼ to select 'Auto Scan' from the sub menu tab, then press **ENTER**.



2

The confirmation banner will be displayed.

Press ◀ or ▶ to select 'Yes' or 'No', then press **ENTER**.

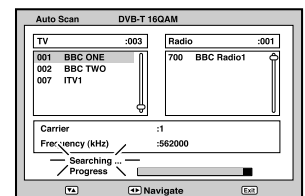
3

The Auto Scan process will now begin.

The scanning process will be displayed in the progress bar.

When the search has been completed 'Scan completed' message will be displayed.

And the Auto Scan menu will exit automatically.

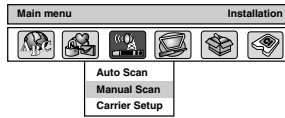


Manual Scan/Carrier Setup

Manual Scan

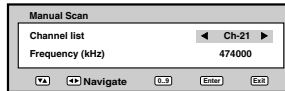
1

Press **DIGITAL MENU**, the menu will appear on the screen.
 Press ◀ or ▶ to select Installation option.
 Press ▲ or ▼ to select 'Manual Scan' from the sub menu tab, then press **ENTER**.



2

You can choose the carrier number from the Channel list by using ◀ or ▶ and the corresponding frequency set for the carrier will be set for tuning.
 Otherwise you can also directly enter the frequency value to start the tuning.



3

After setting the carrier, press **ENTER** to start the scanning. During the scan process, the list of services (TV/Radio) collected for the carrier will be listed.
 On completion, 'Scan completed' message will be shown.

4

Then the confirmation banner will be displayed.
 Press ◀ or ▶ to select 'Yes' or 'No', then press **ENTER**.

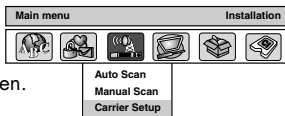
5

Press **EXIT** to return to the normal screen.

Carrier Setup

1

Press **DIGITAL MENU**, the menu will appear on the screen.
 Press ◀ or ▶ to select Installation option.
 Press ▲ or ▼ to select 'Carrier Setup' from the sub menu tab, then press **ENTER**.



2

All the carriers are listed with their frequency and service information - the user can scroll through the carrier list and select each one individually to Rename, Delete or Rescan.

3

Rename:

Select carrier, then press **Red** button. The alphanumeric keypad will appear. You can rename a service as per your preference.

Delete:

Select carrier, then press **Green** button. The check mark (✓) will be displayed for selected carrier. Then press **ENTER**. The confirmation banner will be displayed.
 Press ◀ or ▶ to select 'Yes' or 'No', then press **ENTER**. If the option 'Yes' is selected then all the marked carriers will be deleted from the list.

Rescan:

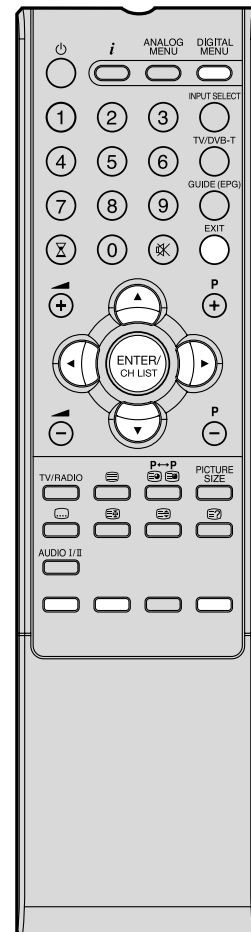
Rescan allows to tune the already tuned carrier, to collect any new programmes that are currently available in the stream. Press **Blue** button, to rescan the current selected carrier.

With the Manual Scan option, you can tune one carrier at a time, by entering the carrier parameters manually.

The Carrier setup option menu lists all the carriers (multiplexes) that are currently available and allows you to rename, Delete or Rescan carriers individually. **WE STRONGLY SUGGEST YOU NEVER DELETE ANY OF THE CARRIER INFORMATION UNLESS INSTRUCTED TO DO SO.**

Note:

- If on the 'AUTO INSTALLATION (COUNTRY)' screen 'FINLAND' is selected, "Frequency (kHz)" cannot be used.

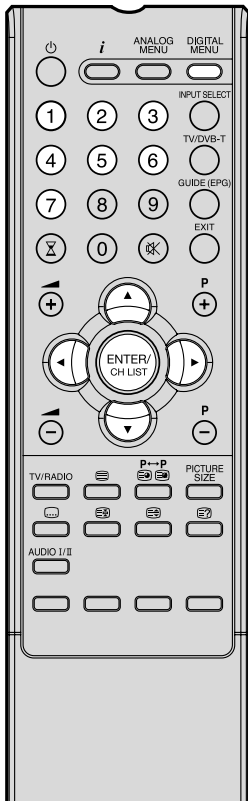


Channel Organizer

The Channel Organizer feature provides options to organise the channels. The following options are supported: Favourite, Lock, Skip, Go To, Delete, Rename, Move, Move to, View.

Note:

- While in TV mode, only TV programmes will be displayed and only radio programmes will be displayed while in radio mode.
- Channel / Service names can only be displayed up to 10 characters - if the name is longer than this, it will be abbreviated.
- If you select 'UK' on the 'AUTO INSTALLATION (see page 11)' or the 'AUTO TUNING (see page 12)', 'Move to' cannot be used.



22

1

Press **DIGITAL MENU**, the menu will appear on the screen.

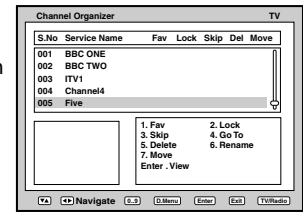
Press ◀ or ▶ to select Channel Organizer option, then press **ENTER**.



2

The Channel Organizer menu will appear. The available programmes will be listed, depending on the current mode. The selected programme will be highlighted.

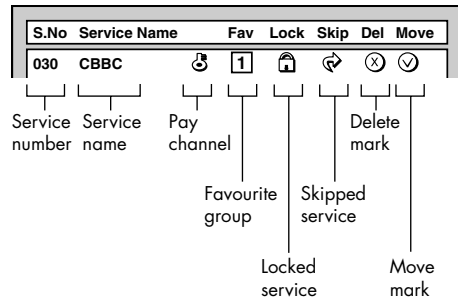
To toggle within the service list, press ▲ or ▼.



3

By pressing the corresponding **Number Button (1-7)** or the **ENTER** key, you can activate the following functions from this menu for each channel: Favourite, Lock, Skip, Go To, Delete, Rename, Move and View. (You can de-activate each of these functions by pressing the same number again.)

Indications:



Channel Organizer

Fav *1	None	Assign services to four different favourite groups.
	Fav 1	1 Press ▲/▼ to select the desired service.
	Fav 2	2 Press 1 on the remote control. A selection box displays.
	Fav 3	3 Press ▲/▼ to register the selected service to any of the four favourite groups (None, Fav1 ... Fav4) and then press ENTER . An icon displays indicating the favourite status.
	Fav 4	4 Press DIGITAL MENU . 5 Now you can easily select your favourite service from the Channel List (See page 26).
Lock		When the service is locked, you must enter your PIN whenever you tune to the service. 1 Press ▲/▼ to select the desired service. 2 Press 2 on the remote control. If you already set the PIN, enter it here. If not, enter the factory preset PIN "0000". An icon displays indicating the service is locked. • Pressing 2 will turn the lock icon on and off. (PIN entry is required.) 3 Press DIGITAL MENU .
Skip		Services that are set to skip will not be picked up when pressing P +/- . 1 Press ▲/▼ to select the desired service. 2 Press 3 on the remote control. An icon displays indicating the service to be skipped. • Pressing 3 will turn the skip icon on and off. 3 Press DIGITAL MENU . • To view services that are set to be skipped, use 0-9 or select from the Channel List.
Go To		Use this function to jump to the specific service in one step. This is useful when there are many services displayed on screen to scroll through. 1 Press 4 on the remote control. Now you can change the service number on the left side of the screen. 2 Enter the number using 0-9 , and then press ENTER . The highlight moves to the selected service.
Delete		Delete the selected service(s) from the memory. 1 Press ▲/▼ to select the desired service. 2 Press 5 on the remote control. An icon displays indicating the service to be deleted. • Pressing 5 will turn the delete icon on and off. 3 Press DIGITAL MENU . A confirmation message displays. 4 Press ◀/▶ to select "Yes", and then press ENTER .
Rename		Change individual service names. 1 Press ▲/▼ to select the desired service. 2 Press 6 on the remote control. A character set screen displays. 3 Enter new name for the service. 4 Press DIGITAL MENU . A confirmation message displays. 5 Press ◀/▶ to select "Yes", and then press ENTER .
Move		Sort the order of the selected service by moving the service position. 1 Press ▲/▼ to select the desired service. 2 Press 7 on the remote control. An icon displays indicating the service to be moved. • Pressing 7 will turn the move icon on and off. 3 Move the selected service to the desired position using ▲/▼, and then press ENTER to register the change.
Move To *2		Sort the order of the selected service by modifying the service number. 1 Press ▲/▼ to select the desired service. 2 Press 8 on the remote control. Now you can change the service number on the left side of the screen. 3 Enter the number using 0-9 , and then press ENTER . The service moves to the new position.
View		Change to the service shown in the picture window. 1 Press ▲/▼ to select the desired service. 2 Press ENTER on the remote control. The image shown in the picture window changes. 3 Press EXIT to exit the Channel Organizer screen to view the image in full screen

Note:

*1 You cannot register the same service to two different favourite groups.

*2 If on the "FIRST INSTALLATION (COUNTRY)" screen "UK" is selected, "Move To" cannot be used in U.K.

Display Setup/Password Setup (Parental lock)

Display Setup feature allows you to change the Display Setup settings as per your preference. In this menu the following options are available.

Password Setup feature allows you to have a parental control of the service viewing as per your preference. Once a service is protected with a password, it cannot be viewed unless the correct password is provided.

Note:

- There are 15 age-based ratings, ranging from '4' (years old) to '18' (years old) and 'None'. Eg. If the Parental Lock is set to '8' (years old), only the services which have the parental rating of '8' (years old) or under will be viewable without entering the Password.
- You will be prompted to enter the password, when you set new parental rating. You can set the new parental rating only when you enter the password correctly, otherwise the old parental code will be retained.

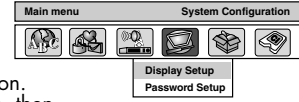


24

Display Setup

1

Press **DIGITAL MENU**, the menu will appear on the screen. Press ◀ or ▶ to select System Configuration option. Press ▲ or ▼ to select 'Display Setup' from sub menu tab, then press **ENTER**.



2

Display Setup menu will appear. Press ▲ or ▼ to select the item you want to change (see the left note for details of each setting). Then you can change each setting by pressing ◀ or ▶.

Banner timeout	1 Sec, 2 Secs... 7 Secs	Select how long the service banner information appears on screen.
Banner position	Top Bottom	Select whether the service banner information appears on top or bottom of the screen.
Display Transparency	None 10%, 20% ... 50%	Select the desired level of On-Screen Display transparency.

3

After all the changes are made, press **EXIT** to return to the normal screen.

Password Setup (Parental lock)

PLEASE NOTE THAT AT THE TIME OF WRITING, THIS AGE RESTRICTION SERVICE HAS NOT YET BEEN IMPLEMENTED FOR DVB SERVICES IN THE UK

1

Press **DIGITAL MENU**, the menu will appear on the screen. Press ◀ or ▶ to select System Configuration option. Press ▲ or ▼ to select 'Password Setup' from sub menu tab, then press **ENTER**.

2

'Enter Password' will appear. Press '0 0 0 0' using the **Number Buttons**. (This is the default password.)

3

Press ▲ or ▼ to select 'Parental Lock', then press ◀ or ▶ to select desired parental rating (see note). Then press **EXIT** to return to the normal screen.

4

You can also change the password using the next option. Press ▲ or ▼ to select 'Change password'.

Then enter your chosen new password (be sure to remember this password). After you have entered the new password for the first time, you need to enter the same password again for confirmation. The Information banner will then appear.

Press **EXIT** to return to the normal screen.

While toggling between channels, if a service which has a parental rating is selected then you will be asked to enter the correct password to view that channel. If the channel you are currently watching supports a parental rating then the rating will also be displayed in the Channel banner menu (see page 27).

Version/Software Upgrade/Common Interface

Version

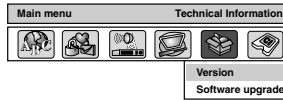
1

Press **DIGITAL MENU**, the menu will appear on the screen.

Press ◀ or ▶ to select Technical Information option.

Press ▲ or ▼ to select 'Version' from the sub menu tab, then press **ENTER**.

Version information banner will appear.



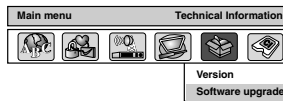
Software Upgrade

1

Turn to a BBC channel first!

Select Technical Information option (the 5th icon along at the top of the menu).

Select 'Software upgrade' from sub menu tab by pressing ▲ or ▼. Then press **ENTER**.



2

If a software upgrade is available from an Over-Air-Download (OAD) then the message 'S/W available, do you want to download?' will be displayed - you can then select 'Yes' or 'No' by pressing ◀ or ▶, then press **ENTER**.

3

If you select the option 'Yes' then the Software Upgrade process will be initiated. It will take about 20 minutes and after this process is complete, the TV will be rebooted automatically.

If you select the option 'No' you can continue to watch TV programmes as before.

Common Interface

1

Press **DIGITAL MENU**, the menu will appear on the screen. Press ◀ or ▶ to select Common Interface option, then press **ENTER**.



2

The CAM module name will be displayed. You have to press **ENTER** to view further information.

3

In the CI Menu, CAM specific information such as Module information, Smart card information Language and Software Download are shown.

Press ▲ or ▼ to select information, then press **ENTER** to see detail.

4

Press **EXIT** to return to the normal screen.

Note:

- If you remove the CAM module in the digital TV mode then 'CAM module has been removed' will be shown on the screen.

If you enter into the Common Interface menu when the CAM is not inserted then 'No CAM Found' will be displayed.

From the Technical Information option in the menu you can access the Version and Software upgrade menus.

Software Upgrade allows you to download the latest software available on the Engineering channel which is carried on Multiplex 1 (BBC).

Note:

- During the Software Updating process, do not turn off the unit. At this time you cannot use any of the buttons, apart from ⏻ (STANDBY).
- After the Software Updating process, the Digital Menu memory settings will be lost, so it is necessary to go through the setting up procedures again.

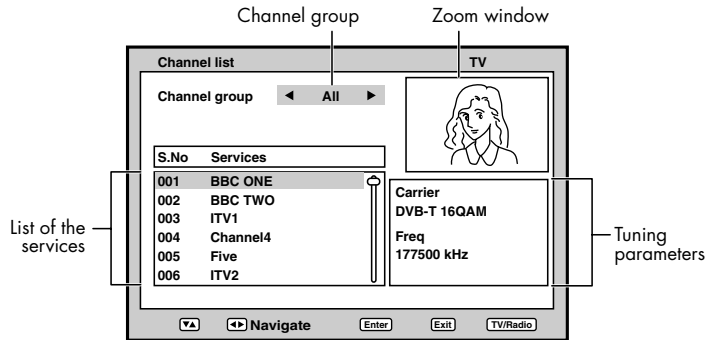


Channel list

The Channel list menu can also be referred to as the **Quick Select Menu**, as it allows you to view the list of services available in the database with a single click, instead of navigating through various menus.

1

Press **CH LIST** to display the Channel list menu.



Menu description

In the case of TV channels, a small picture of the selected service will be shown in the preview window. For Radio channels, a still picture will be displayed in the Preview window. In the case of a service which has Teletext data only, 'No Video' or 'No Audio' will be displayed in the Preview window. The tuning parameters are displayed in the lower right part of the Menu screen.

2

Select the Channel group (Favourite):

Press ◀ or ▶ to select between Channel groups - you can toggle through All (complete channel list)/Fav1/Fav2/Fav3/Fav4 (see 'Fav' on page 23 for details on setting Favourites).

Select the Services:

List of the services present under the selected Channel group will be displayed in the left side of the menu.

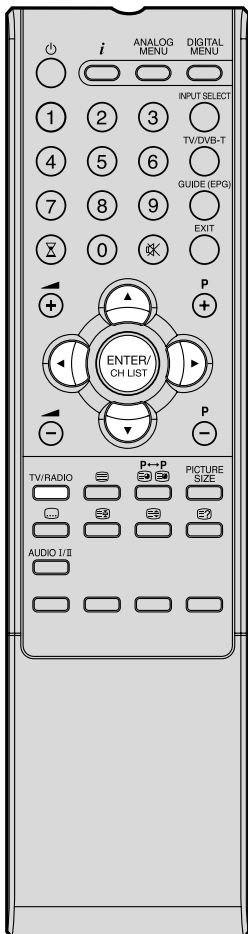
Press ▲ or ▼ to toggle within the service list, then press **ENTER**.

Toggle between the list of TV and Radio services:

The **TV/RADIO** key is used to toggle between the TV and Radio mode. If you press **CH LIST** when you are in Radio mode then the channel list menu will display the list of Radio services. If you wish to view the list of TV services without exiting the current menu, **TV/RADIO** key should be pressed once.

Note:

- If any Channel group doesn't have any service at the time, 'No services' and 'No Information' will be displayed in the menu.
- Channel / Service names can only be displayed up to about 12 characters - if the name is longer than this, it will be abbreviated.



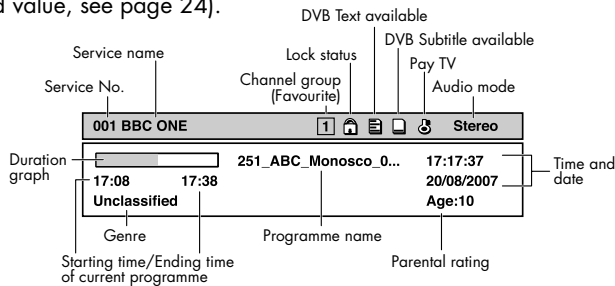
Channel banner

Preparation

When you change from one channel to another, the Channel banner will be displayed for the selected service. In the channel banner menu, information such as current date & time, channel name, etc. will be displayed.

1

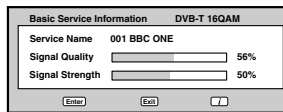
While watching the service, press **i** to display the Channel banner at any time. It will disappear after the Banner timeout value (this can be adjusted to your preferred value, see page 24).



If the selected channel supports special features like, DVB Text, DVB Subtitle, Audio mode (Left, Right, Stereo), parental rating, etc. this information will be shown in the channel banner as above.

2

Press **i** again to display the Basic Service information. You can verify the signal strength and quality of the selected service here.



3

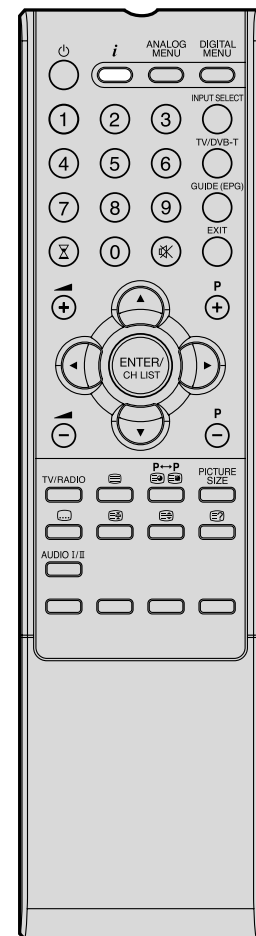
To remove the Channel banner immediately, press **i** again.

The Channel banner should be displayed for every channel change and also through direct numeric key input.

The Channel banner allows you to have a brief gist of the service details while toggling itself. The menu comprises of all the necessary details about that service.

Note:

- Subtitles are displayed on the channel banner. Some broadcasts may not provide this service.



Multi audio/DVB-Subtitle

You can select your preferred Audio mode and DVB (digital TV) subtitle Language. The Multi audio menu will display the Audio mode and Language options available with the current broadcast.

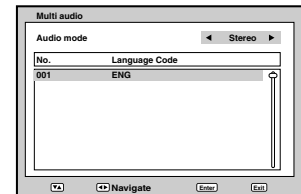
DVB-Subtitle is a feature supported in DVB (Digital Video Broadcasting) applications in which the service shown can be accompanied by a text display on the screen in parallel with the corresponding audio service. The DVB-Subtitle feature can be enabled or disabled at anytime.

PLEASE NOTE THAT AT THE TIME OF WRITING, THE MULTI-LANGUAGE OPTIONS FOR DVB AUDIO AND SUBTITLES HAVE NOT YET BEEN IMPLEMENTED.

Multi audio

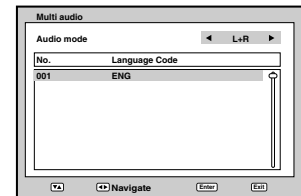
1

Press **AUDIO I/II** to display the Multi audio menu. The Audio mode and Language code will be displayed if available.



2

To select Audio mode, press ◀ or ▶. In general the below audio modes will be supported in a service. Left, Right, L + R and Stereo.



To select a Language code, press ▲ or ▼ to select code within Language Code List.

3

Press **EXIT**. Your selected audio preferences will be saved.

DVB-Subtitle

1

Press **[...]** to display the DVB-Subtitle menu when subtitles are available.



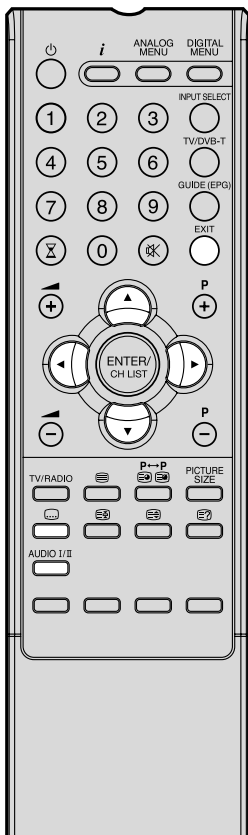
2

Press **[...]** repeatedly to select your desired subtitle language from the available languages.




3

To turn off the DVB-Subtitle, press **[...]** repeatedly until 'Off' appears in the Subtitle menu.





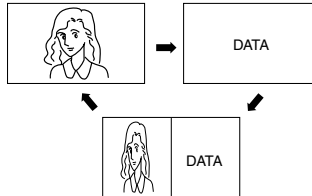
DVB Text

1

Select a channel which has DVB Text - i.e. One which has the Teletext icon () is displayed in the Channel banner (see page 27).

2

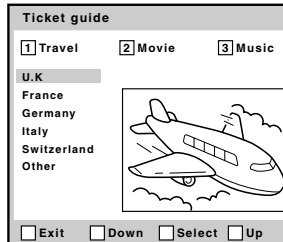
Press  - the DVB Text page for that channel should be displayed.
Each time you press , the screen switches as shown below.




3

There are various links in the DVB Text screen. You can navigate the pages by pressing the buttons on the remote control as follows;


- If there are numbered links, press the corresponding one of the **Number Buttons**.
- If there are coloured links, press the corresponding one of the **four coloured buttons** (red / green / yellow / blue).
- If there is a movable cursor, press **▲/▼/◀/▶** to select your desired link, then press **ENTER**.

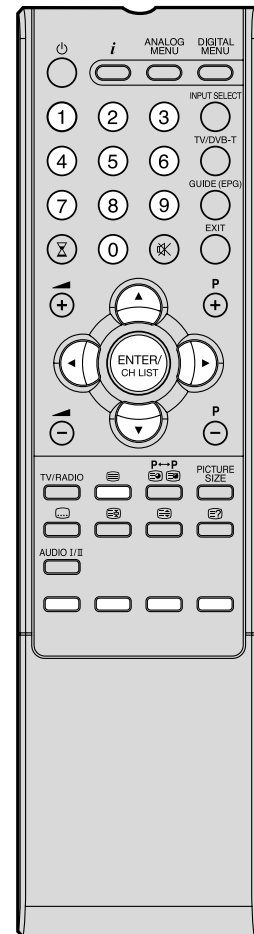


4

To see other DVB Text channels, press  to exit current service, then select another channel which has a DVB Text service.

Note:

- If you enter the EPG or Digital Menu whilst using some DVB Text services, it may not return to the Teletext screen you were viewing before - in this case just press the  button again and re-select the required page.

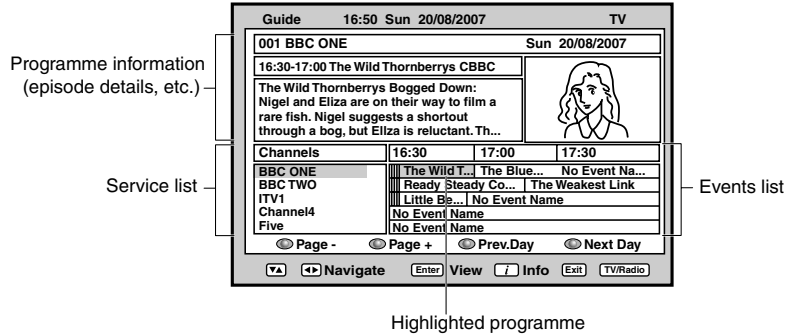


EPG (Electronic Program Guide)

The Guide menu shows the available programme listings for the next 8 days only, including today. However, the guide menu will show "No Event Name" for programmes which are more than 8 days ahead, or for programmes within the 8 days when no programme information is available.

1

Press **GUIDE** to display the Guide menu.



Service list :

Lists all the services that are currently available.

As you scroll through the service list by pressing **▲** or **▼**, the Event list will be refreshed accordingly, and you will see the programme information for the currently highlighted programme.

To scroll through the service list page by page, press **Red** or **Green** Key.

Events list :

List the events in a grid of rows and columns.

Each row shows the list of events that are available, for the corresponding service in the service list. Within each row, you can press **◀** or **▶** to navigate through the rest of the events.

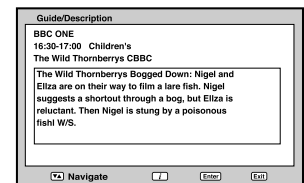
You can easily move to the Previous day or Next day in the Events List by pressing **Yellow** or **Blue** key (the date of the programme information you are currently viewing is shown in the top right hand corner).

The full Event name along with the duration of the event will be displayed in the bar above. Event title will be displayed only if available otherwise 'No Description' message will be displayed.

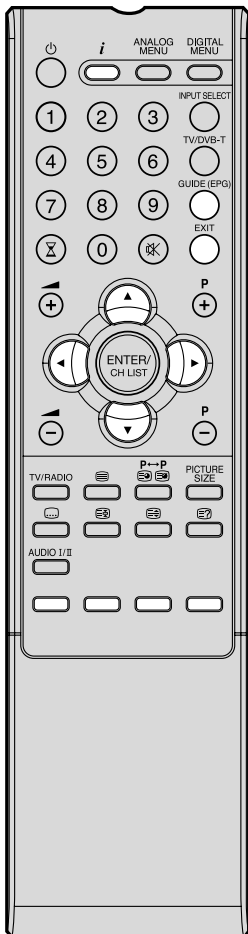
2

From within the Guide menu, you can open the Description menu for the currently highlighted programme by pressing **i**.

The Guide/Description menu shows the extended event description of an event. You can scroll and view the complete event description of the event using **▲** or **▼**.



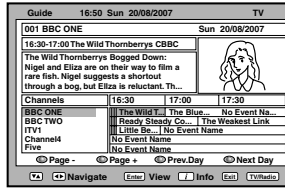
To return to the Guide menu, press **i**.
To clear the menu screen, press **EXIT**.



EPG Timer

1

Press **GUIDE** to display the Guide menu. Then press **▲/▼/◀/▶** to highlight the programme you want to set as an event timer, then press **ENTER**.

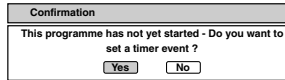


Note:

- If you select an event which has already started, the selected program will be displayed on the screen, as you cannot set the timer for a programme which has already started.
- To display the stored event timer, press **GUIDE** twice. The EPG Timer menu will appear (see step 3 below). You can also delete or change the frequency (Once / Daily / Weekly) of the stored event timer (but please note that you cannot edit the time details that have been set from the EPG).

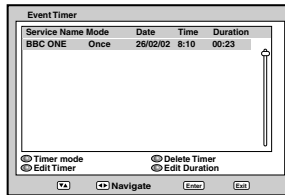
2

The confirmation banner will be displayed. Press **◀** or **▶** to select 'Yes' or 'No', then press **ENTER** (the selected option is shown in blue).



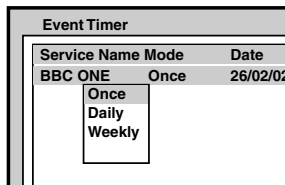
3

The EPG Timer menu will appear. Press the **Red** key to set the Timer mode for a selected event.



4

The Timer mode specifies the frequency of Timer wake-up which can be set as Once, Daily or Weekly. Press **ENTER** to save the selected Timer mode.



Note:

To delete an event timer, select the specified event, then press the **Green** key.

5

To return to the Guide menu, press **DIGITAL MENU**. To clear the menu screen, press **EXIT**.

Note:

- Press the **Yellow** key to change the start time of the event.
- Press the **Blue** key to change the time duration of the event.
- If the unit goes to standby mode (by pressing **⏻ (STANDBY)** on the unit or **⏻ (STANDBY)** on the remote control) after the EPG Timer has been set.

You can choose whether or not the screen switches on when the event timer begins - please see page 18 (Rec screen status (LCD Power on/off)). This is so that if you are using the timer to make a recording to your VCR or other device, the TV screen will not switch on unless you want it to.

If you try to switch to another channel while an event timer is in progress, the following message will appear: **'WARNING: CHANGING THE CHANNEL WILL INTERRUPT YOUR EVENT TIMER. ARE YOU SURE YOU WANT TO PROCEED? YES/NO'**. Select **YES** or **NO** according to your wishes.

Note:

- A maximum of eight Timers can be programmed.
- If the EPG Timer starts when it is already switched on, it will start at the exact time that is set. If it starts from the standby mode, it will begin 20 seconds in advance of the stated time.
- You cannot hasten the start time from the original start time of the Event.
- You cannot set with the same date and time of another Event.
- The programme set as event timer will be highlighted in the Guide menu.

Before Requesting Service

If your unit does not work properly check the following before calling a service engineer.

SYMPTOMS	CAUSE	SOLUTION	PAGE
POWER			
TV does not operate.	Internal error may occurs.	Unplug the unit for 1 minute, then plug it back in.	-
No power.	The Mains lead is disconnected.	Connect the Mains lead to the AC outlet.	3
	Main power (ON) switch is OFF.	Set it to ON.	2
TV BROADCAST RECEPTION			
No picture, no sound.	The Mains lead is disconnected.	Connect the Mains lead to the AC outlet.	3
	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	3
	Sub Power (Ⓛ) button is off.	Press the Sub Power (Ⓛ) button.	2
	Possibly station trouble.	Try another channel.	14
Sound OK, poor picture.	Possibly station trouble.	Try another channel.	14
	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	3
	Possibly local interference.	Move the aerial away from the source of interference.	-
Picture OK, poor sound.	Possibly station trouble.	Try another channel.	14
	Possibly local interference.	Move the aerial away from the source of interference.	-
	Volume control set at minimum position.	Increase VOLUME control.	14
Poor reception.	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	3
	Possibly station trouble.	Try another channel.	14
Poor colour or no colour.	Aerial connector is not connected or wires are broken.	Check aerial connections or broken wires.	3
	Possibly station trouble.	Try another channel.	14
	Possibly local interference.	Move the aerial away from the source of interference.	-
	Colour control is not adjusted.	Adjust the colour settings.	18
While viewing a DVB (digital) channel, there is sound but no picture.	Received channel has audio content only.	Some channel offers audio content only. It is normal.	26
Blocky image or image stops intermittently.	Digital signal strength is low.	Check all aerial connections. Move the aerial away from areas of possible interference. Try using an aerial booster.	-
Some digital channels cannot be viewed.	Some channels are encrypted and are only available via subscription.	Contact the service provider to subscribe.	-
"Database empty" message appears on the screen.	The auto tuning process has not been successful.	Check all aerial connections and try auto tuning again.	3
No sound when connecting to external source via HDMI to DVI lead.	Audio leads have not be connected.	Ensure that separate audio leads are connected to the relevant audio input socket.	9
REMOTE CONTROL			
Remote control does not work.	It is not aimed at the remote sensor.	Aim it at the remote control sensor.	-
	Distance too far or there is too much light in the room.	Operate within 5 metres and reduce the light of the room.	-
	Obstacle in the path of beam.	Clear the path of the beam.	-
	Batteries are weak.	Replace batteries.	-
	Polarities of the batteries, + or -, are not inserted correctly.	Install batteries correctly.	-

Specifications

TELEVISION	<p>Analogue: PAL UK, IR, CCIR, FRENCH System, B/G, D/K, I/I, L Digital: DVB-T (OFDM 2k/8k 16QAM/64QAM) AV Input receivable: NTSC 3.58, NTSC 4.43/PAL 60 Analogue channels (99) + Digital channels (Carrier 200/Service1000) Analogue: IreE2~E4, X~Z+2, S1~S10, E5~E12, S11~S41, E21~E69 Digital: E5~E12, ItaE~G, F1~F6, Rus6~12, E21~E69 AC 220-240V, 50Hz/60Hz Operation: approx. 57 W Standby: approx. 1 W 18.95" TYPE (48.14 cm visible) TFT low-glass Active Matrix Colour LCD, 1440 x 900 Pixel Viewing Angle: Left/Right: 80 degree, Up/Down: 80 degree Antenna input: UHF/VHF 75 Din type (Analogue Digital) AV1: SCART (AV input, RGB input, TV output) AV2: S-VIDEO (Y/C input), RCA pin (AV input) COMPONENT: COMPONENT (Y/PB (CB)/PR (CR) input), RCA (Audio input) HDMI: HDMI, Ø 3.5 mm jack (Audio input*) PC: Ø 3.5 mm jack (Audio input*), 15 pin mini D-sub (PC/Component) C. I. (Common Interface): EN50221 DIGITAL AUDIO OUTPUT: RCA pin (Audio) Headphones: Ø 3.5 mm jack (Audio output) * Audio input that share with HDMI and PC.</p>
System:	
Preset channels: Frequency Range:	
Power Supply: Power Consumption:	
LCD:	
Terminals	
Audio Output Power:	1.5W x 2 (MAX)
Dimensions:	483(W)x396(H)x190(D)mm
Weight:	6.2 kg
Surrounding Temperature:	Operation: 5°C to 40°C Storage: -20°C to 60°C
Operating Humidity:	Less than 80% RH
REMOTE CONTROL UNIT	
Power Supply:	DC 3V (Two batteries, AA/ R6/ UM-3)

Weight and Dimensions are approximate. Because we continually strive to improve our products we may change specifications and designs without prior notice.

After Sales Service

Whilst Orion products have been designed and manufactured to a very high standard and have been subjected to rigorous quality control, regrettably problems can sometimes occur.

In the unlikely event of a manufacturing defect occurring during the first twelve months of ownership, your Dealer, Mail Order or Catalogue Company, from whom you purchased the product, will arrange for free-of-charge service to be carried out. However as this may NOT include a home visit, please ensure that you have received details of their respective service procedures and policy at the time of purchase.

Free-of-charge service covers the product for domestic use only, and does not cover any fault or defect caused by accident, misuse, lightning strike, fire or water damage, neglect, connection to an incorrect mains voltage or inadequate aerial, cable or satellite installation.

None of the foregoing comments or statements affect your Statutory Rights as currently provided for by law in the United Kingdom.

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Electrical and electronic equipment should never be disposed of with general household waste but must be separately collected for their proper treatment and recovery.

The crossed out bin symbol, placed on the product, reminds you of the need to dispose of the product correctly at the end of its life.

In this way you will assist in the recovery, recycling and reuse of many of the materials used in this product.

Where possible recycle your packaging.

With your help it is possible to reduce the amount of electrical and electronic waste ending up in landfill and to improve quality of life by preventing the release of potentially hazardous substances into the environment.



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