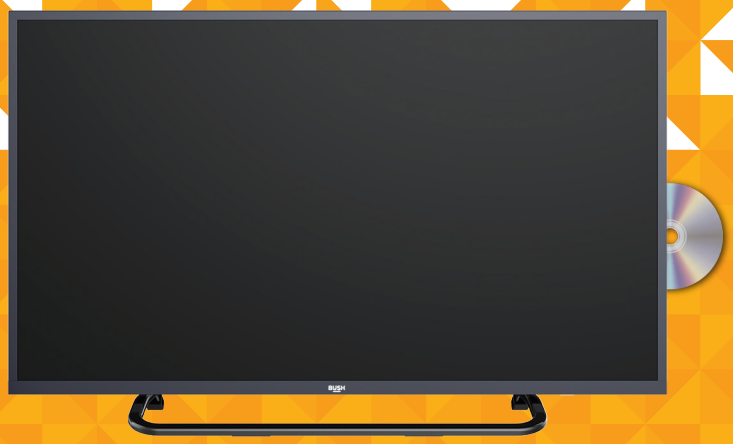
BUSH

Instruction manual

VL32HDLED-D



You'll soon be enjoying your new TV.

It all begins here, with your instructions. Don't worry, there's nothing too technical coming up. Just simple, step-by-step guidance to get you up and running quickly. Sound good? Then let's get started.

Help and Guidance

We're here to help you get the most from your television. Should you require any guidance, a simple solution can often be found online at:

www.bush-support.com

If you still require further assistance, call one of our experts on **0345 604 0105.**

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Contents

1 Safety information

2 Getting to know your TV

Ready? Let's begin... 12
Accessories 12
Installing / Removing the Base Stand 13
Wall Mounting Installation Guidelines 13
Viewing remote control 14
Viewing control panel 15
Viewing back panel 16
Aerial connection 17
Remote control - Inserting batteries 17
Switching the TV On and Off 17
Operation using remote control 18
How to watch a DVD 18
Notes on DVD playback 19
DVD Controls 20
Initial setup 21

3 Connections

Left bottom connections explained 24
Left side connections explained 25
HDMI Connections 26
SCART Connections 26

4 Standard features

How to navigate menus - Selecting source 30
Electronic programme guide (EPG) (DTV mode) 30
Teletext (ATV mode) 31
Digital Teletext (DTV mode) 32
Recording DTV Programme onto a USB Storage Device 32
Timer Programming 33
Play Recorded Programme 34
Quick Settings management (ATV / DTV Mode) 34

5 Using the DVD Features

Using the Built-in DVD Player 44
Basic DVD Playback Functions 45
Playing Multimedia Discs 46
DVD SYSTEM MENU 46
Go To General Setup Page 46
Go To Audio Setup Page 47
Go To Preference Setup Page 47

6 Other information

Specifications 52
Digital reception 52
Plug replacement - UK and Ireland only 53
Energy label 53
DTS TruSurround 53
HDMI 53

7 Product support

Trouble shooting 56
Definition of terms 57
Supported file formats 58
Disposal information 59
Help and assistance 60
Guarantee 61

1 Safety information

Safety information

Important - Please read these instructions fully before installing or operating

Power source

The TV should be operated only from a 100-240V~ 50/60Hz outlet.

AC voltage: Rated voltage marked with this symbol is AC voltage.

- **Warning: Do not** leave your TV in standby or operating mode when you leave your house.

Positioning the TV

This product is intended for indoor use only.
For ventilation, please leave a clear space of at least 10cm all around the TV.(**Fig 1**)

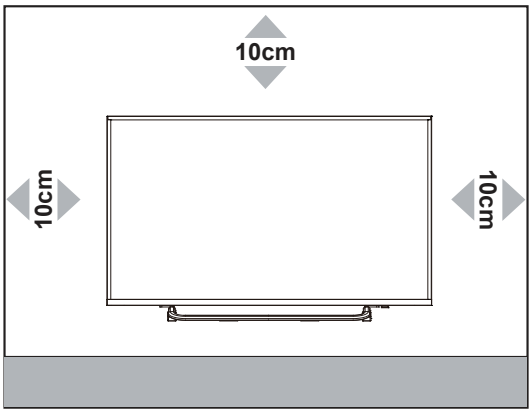


Fig 1.

- **Do not** block the ventilation openings.
- **Do not** place the TV on sloping or unstable surfaces, the TV may tip over.
- To prevent damage to the TV, do not place any objects on top of the TV.
- Only use the TV in moderate climates.

Power cord and plug

- The power cord plug should be easily accessible. In case of storms and lightning, when going on holiday, or when the TV is not used for a long period of time disconnect the power cord from the mains power socket.
- Do not place the TV, furniture, etc. on the power cord or pinch the cord.
- Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock.
- Never make a knot in the power cord or tie it with other cords.
- Power cords should be placed in such a way that they are not likely to be stepped on or driven over.
- A damaged power cord/plug can cause fire or give you an electric shock. When damaged it must be replaced, this should only be done by qualified personnel.

Moisture and water

- **Do not** use this TV in a humid or damp place (avoid bathrooms, the sink in the kitchen, and near the washing machine).
- **Do not** expose this TV to rain or water, as this may be dangerous.
- **Do not** place objects filled with liquids, such as flower vases, on top of the TV. Avoid from dripping or splashing.
- If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

Ventilation

- The slots and openings on the TV set are intended for ventilation and to ensure reliable operation.
- To prevent overheating, these openings must not be blocked or covered in anyway.

Heat sources and flames

- **Do not** expose the TV to direct sunlight or other heat sources.
- The TV should not be placed near to open flames and sources of intense heat such as an electric heater.
- Ensure that no open flame sources, such as lighted candles, are placed on top of the TV.



- **Warning: To prevent the spread of fire, keep candles or other open flames away from this product at all times.**

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Safety information

Important - Please read these instructions fully before installing or operating

- To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

Headphone volume

Excessive sound pressure from earphones and headphones can cause hearing loss, please take care.

Wall mounting (optional)

- To prevent injury, this TV must be securely attached to the wall in accordance with the installation instructions (if the option is available).
- Do not install the TV on a ceiling or on an inclined wall.

LCD Screen

- The LCD screen is a very high technology product with about a million thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green or red point. Please note that this does not affect the performance of your product.
- Take care not to scratch the screen with fingernails or other hard objects.

Cleaning

- Before cleaning, unplug the TV from the wall socket.
- **Do not** use liquid or aerosol cleaners. Only use a soft, dry cloth.

Batteries

Warning: Incorrect installation of batteries may cause battery leakage and corrosion, resulting in damage to the remote control.
Do not mix old and new batteries, or batteries of different types.
Do not dispose of batteries with normal household waste, take to a local recycling centre.
The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



Children may not recognize dangers. The swallowing of batteries can be fatal. Keep batteries always out of reach of small children. If a battery is swallowed, seek immediate medical attention.

Replacement parts

When replacement parts are required, make sure that the service technician has used replacement parts,which are specified by the manufacture or have the same specifications as the original one. Unathorised substitutions may result in fire, electrical shock or other hazards.

Handling discs

- To keep the disc clean, only handle the disc by its edge.

Do not touch the surface.



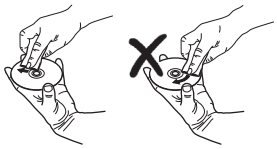
- **Do not** stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue, remove before using it.
- **Do not** expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

Safety information

Important - Please read these instructions fully before installing or operating

Cleaning discs

• Before playing, clean the disc with a cleaning cloth. Wipe the disc from the centre out.



• **Do not** use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Laser Safety Information

CAUTION
Never touch or look into the optical lens within the DVD compartment.

This is a CLASS-1 laser product.
Use of controls or adjustments other than those specified herein, may result in hazardous laser light beam exposure. Do NOT open the cover and do NOT attempt to repair it yourself. Refer servicing to qualified personnel. This product does not contain any user serviceable parts. Unauthorised handling of the device may damage it and will void your warranty.

Servicing

• **Warning:** Risk of electric shock, **do not** attempt to repair, service or modify this TV yourself.
Contact the manufacturer, their approved service agent or the **Customer Helpline: 0345 604 0105.**

Markings on the Product

This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

CLASS 1
LASER PRODUCT

Class 1 Laser Product: This product contains Class 1 laser source that is safe under reasonably foreseeable conditions of operation.

or online at **www.bush-support.com** If you still require further assistance, call one of our experts on **0345 604 0105**.

2 Getting to know your TV

Getting to know your TV

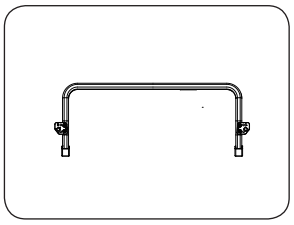
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Ready? Let's begin...

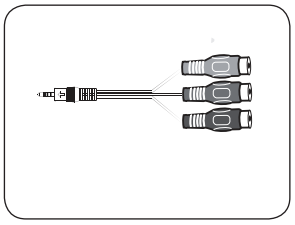
Please read these instructions carefully. They contain important information which will help you get the best from your TV and ensure safe and correct installation and operation.

If you require any further assistance, our technical experts are happy to help. For full details, refer to the product support section at the end of these instructions.

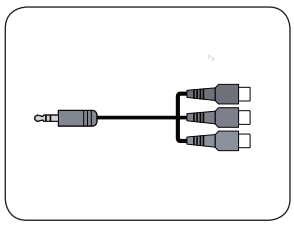
Accessories



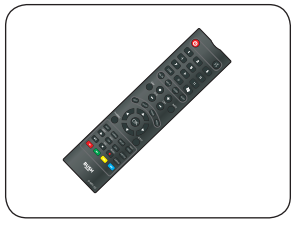
Stand Base



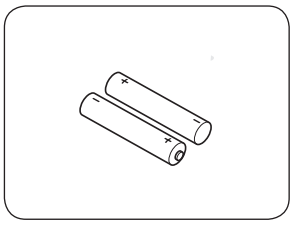
MINI YPBPR Cable



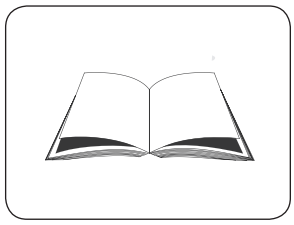
MINI AV Cable



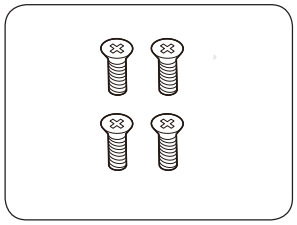
Remote Control



Batteries: 2 x AAA



Instruction Book



Screws

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

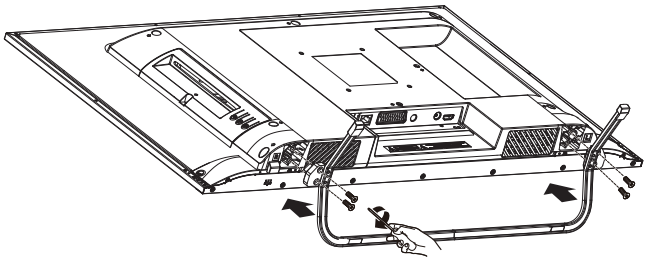
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Installing / Removing the Base Stand

Base Stand Assembly Instruction

1. Lay the TV flat on a table with the LED screen face down. To prevent the TV from being scratched, put a piece of soft cloth on the table on which the screen will be set.
2. Place the base in position as shown. Insert and tighten 4 screws (provided) into pedestal holes as shown.

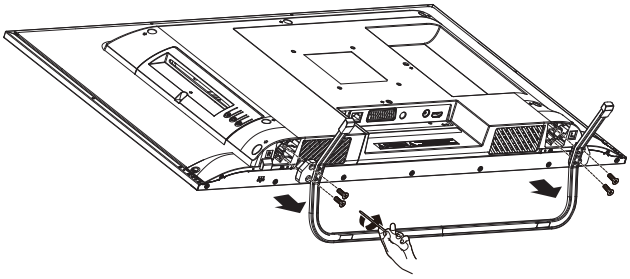


INSTALLATION NOTES

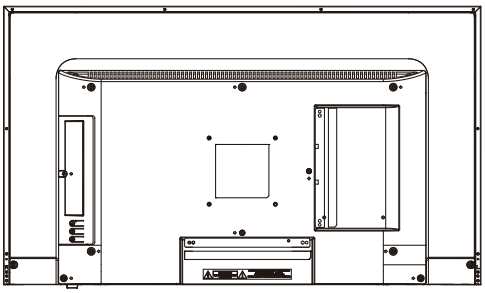
This TV can be connected to an AC 100-240 Volts, 50/60 Hz power supply. Never connect straight to a DC power supply.
Locate the TV in a room where light does not strike the screen directly. Total darkness or a reflection on the screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
Allow enough space between the TV and the wall to permit ventilation.
Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.

Wall Mounting Installation Guidelines

1. Lay the TV flat on a table with the LED screen face down. To prevent the TV from being scratched, put a piece of soft cloth on the table on which the screen will be set.
2. Remove the 4 screws .
3. Remove the stand.



4. Use the four screws (4*10mm,not included) to fix the TV onto a wall mounting bracket (not included) via the four VESA standard holes on the back of the television.

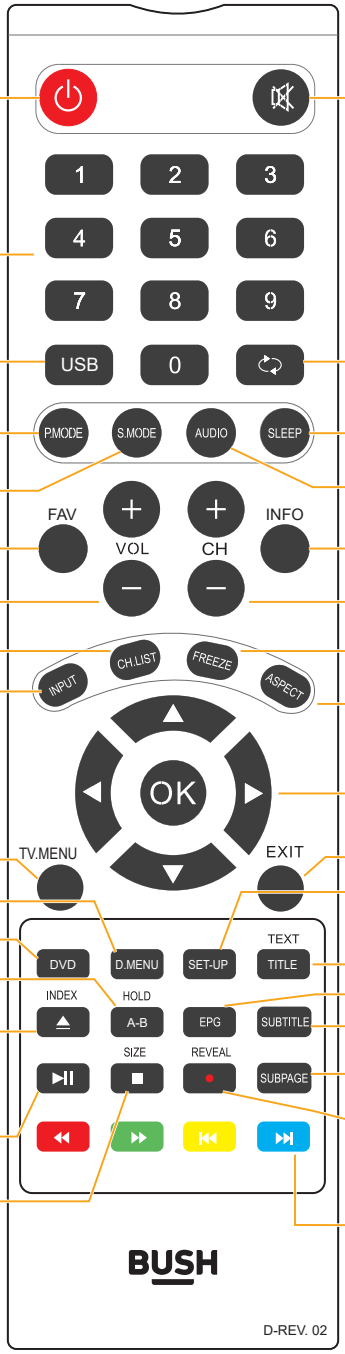


100x 100 mm VESA mount

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Viewing remote control



Power: Switches the TV between on and standbymode.

Mute: Mutes and restores your TV sound.

0-9 Number Button: Press to select a programme. (ATV / DTV/DVD mode)

USB : Press this button in to USB source.

: Return to the previous viewing channel. (ATV/ DTV mode)

P.MODE : Select picture mode: Dynamic / Standard / Personal / Movie / Economy.

SLEEP : Set the TV sleep timer.

S.MODE : Select sound mode: Standard / Music / Movie / Sports / Personal.

AUDIO : Press to switch the audio mode.

FAV : Display the Favourite Channel list. (ATV / DTV mode)

INFO : Displays the status information.

VOL+/- : Adjust the volume.

CH+/- : Select a channel.

CH.LIST : Display channel list. (ATV / DTV mode)

FREEZE : Press this key to freeze the picture, press again to restore the picture.

INPUT : Select among the different input signal sources: Digital / Analogue / SCART / YPbPr / DVD / HDMI 1 / HDMI 2 / HDMI3 / AV.

ASPECT : Select from the following mode settings: Auto/ Zoom1 / Zoom2 / 4:3 / 16:9.

▲▼◀▶: Allows you to navigate the OSD menus and adjust the system settings to your preference.

OK : • Confirm the selection in the OSD menus.
• Display a list of channels saved in the TV tuner memory.

TV.MENU : Display the OSD (On Screen Display) menu.

EXIT : Exit the OSD (On Screen Display) menu.

D.MENU: Return to main menu of DVD.

SET-UP : Enter or exit DVD OSD setting menu.

DVD : Press to DVD Source.

TEXT : Turn on and off the Teletext function.

A-B : Repeats a segment between A and B.

TITLE : Display disc menu

HOLD : Freezes a multi-page passage on screen in teletext.

EPG : Display the EPG (Electronic Program Guide).(DTV mode)

⏏ : Ejects a disc.

SUBTITLE : Display the subtitle which is broadcast with the program.

INDEX : To select the page number of the index from teletext.

SUBPAGE : Displays the subpage on the teletext screen.

⏯ : •To start the timeshift playback. (DTV mode)
•To start playback or pause. (USB/DVD mode)

•: Record the current programme. (DTV mode)

REVEAL : Reveals hidden information such as the answer to a quiz in teletext.

SIZE : To enlarge the picture on the TV in teletext.

⏪: To reverse playback rapidly. (USB/DVD mode)

⏩: To advance playback rapidly. (USB/DVD mode)

■: Press once to stop. (USB/DVD mode)

⏮: To skip to the beginning of the previous chapter / track / photo. (USB/DVD mode)

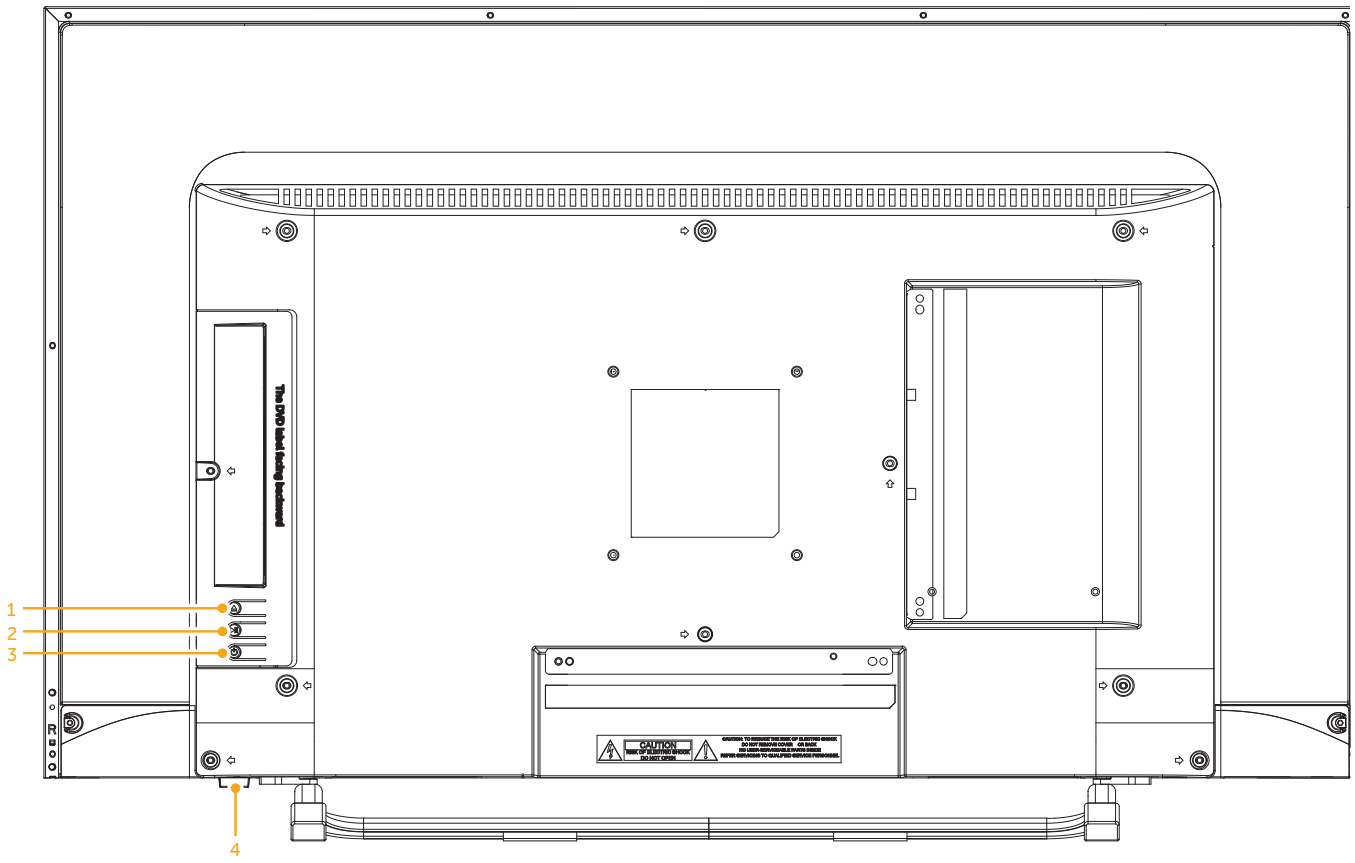
⏭: To skip to the beginning of the next chapter / track / photo. (USB/DVD mode)

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Getting to know your TV

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Viewing control panel

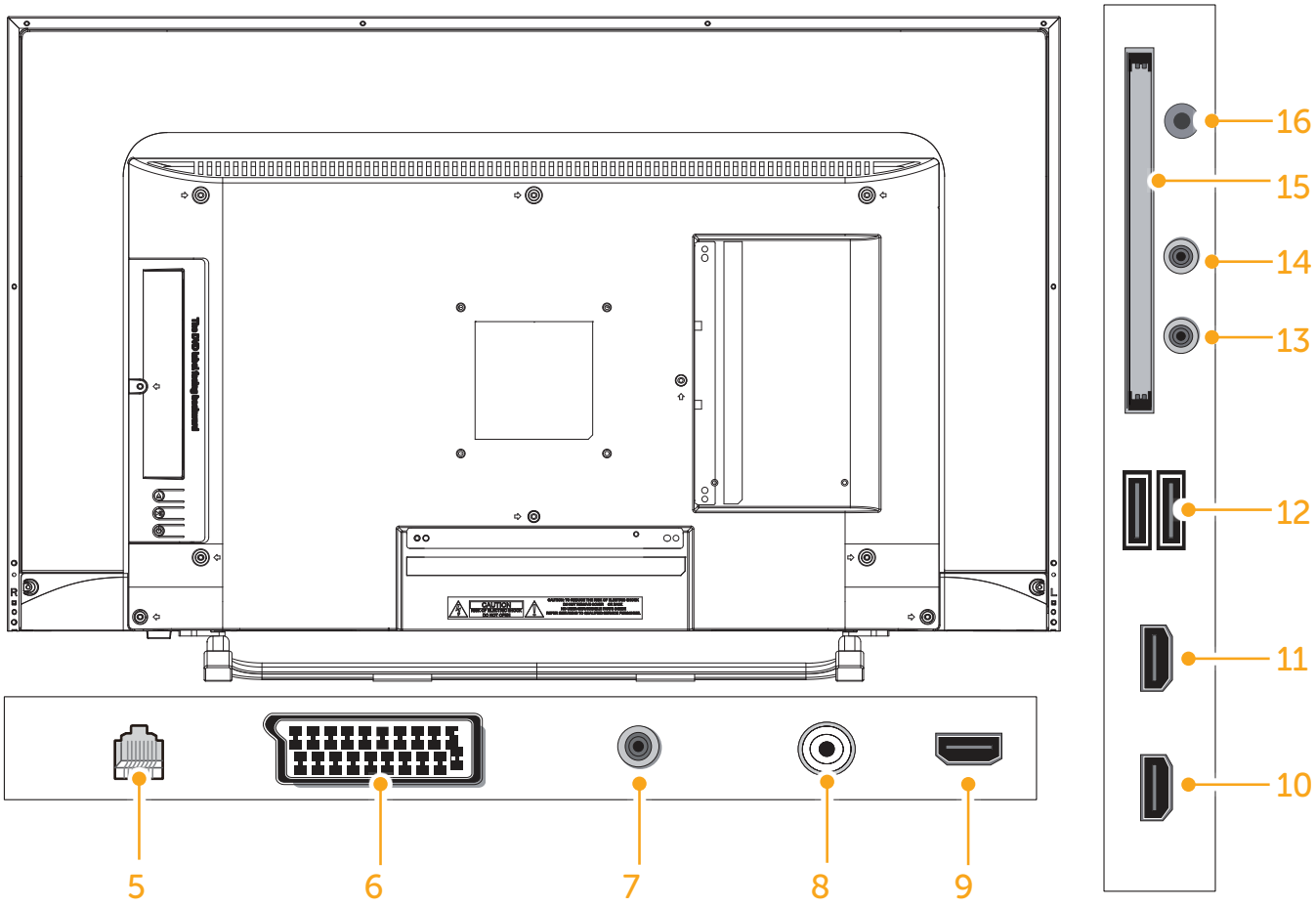


1. Press to eject disc. (DVD mode)
2. Press to start playback or pause.(DVD mode)
3. POWER Turns the TV on and into standby
4. Standby LED/Remote Control Sensor

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Viewing back panel



5. LAN

6. SCART Socket SCART lead connection

7. COAXIAL Out

8. RF Input (ANT.)

9. HDMI1 Socket High Definition lead connection

10. HDMI2 Socket High Definition lead connection

11. HDMI3 Socket High Definition lead connection

12. USB Socket USB connection (optional)

13. MINI AV/YPbPr-R/L

14. MINI YPbPr

15. CI Slot

16. Headphone jack

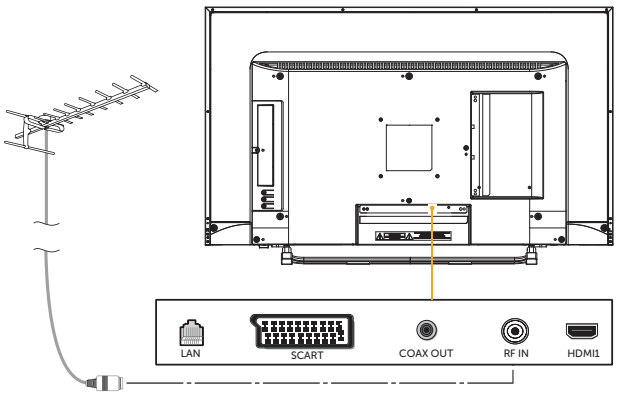
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Getting to know your TV

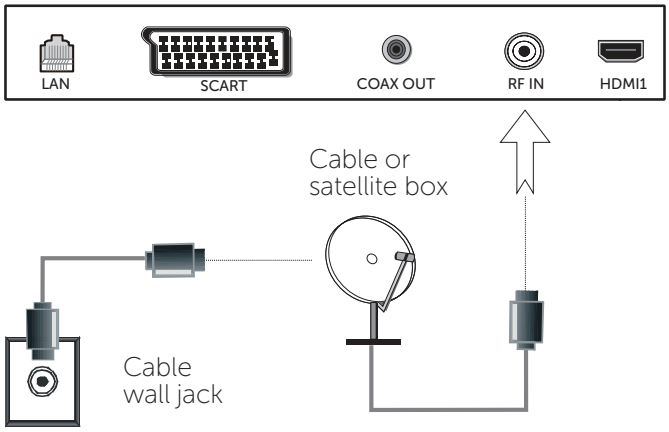
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Aerial connection

Connect a coaxial cable (not provided) to the ANT/ CABLE IN jack on the back of your TV and to the antenna or cable TV wall jack.



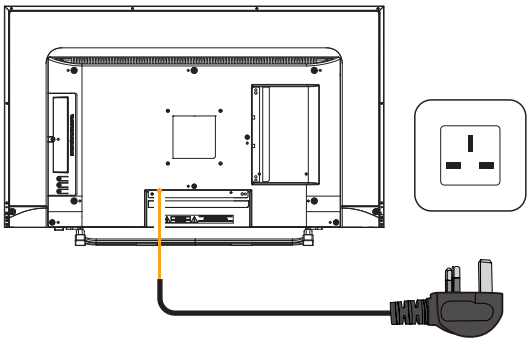
Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box. Connect a coaxial cable (not provided) to the ANT/CABLE IN jack on the side of your TV and to the coaxial out jack. on the cable or satellite box.



Power connection

Connect the power cord plug to the mains power socket.

Please note: After unpacking, allow the TV to reach ambient room temperature before connecting the TV to the mains power socket.

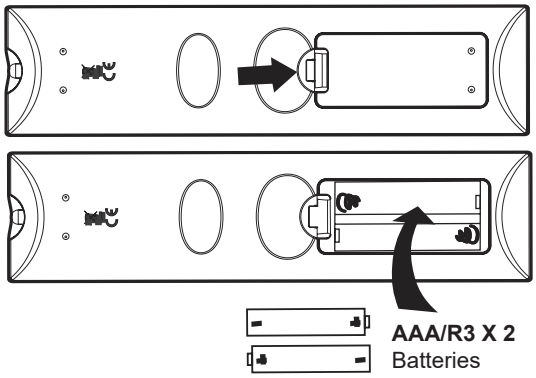


Remote control - Inserting batteries

Remove the battery cover on the back of the remote control, gently push down and pull backwards at the same time as shown .

Insert two AAA/R3 or equivalent type batteries. Ensure the batteries are inserted the correct way and replace the battery cover.

Note: When the remote control is not going to be used for long periods of time, the batteries should be removed. Otherwise the remote control may be damaged, caused by battery leakage and corrosion.



Switching the TV On and Off

Switching the TV On

With power cord plug connected to the mains power socket and TV in **'Standby'** mode.

To switch the TV on from standby mode, either:

a: The Remote control; Press the "⏻" button.

b: The TV; Press the "⏻" button on the back of the TV.

Switching the TV Off

Either press the "⏻" button on the remote control or press the "⏻" button on the back of the TV, the TV will then switch to standby mode.

Getting to know your TV

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Operation using remote control

The remote control is designed to control all the functions of the model you selected.

Volume Setting
Press **VOL+** button to increase the volume.
Press **VOL-** button to decrease the volume. A volume level scale (slider) will be displayed on the screen.

Programme Selection (Previous or Next Programme)
Press **CH-** button to select the previous programme.
Press **CH+** button to select the next programme.
Programme Selection (Direct Access)
Press number buttons on the remote control to select programmes between 0 and 9. The TV will switch to the selected programme.



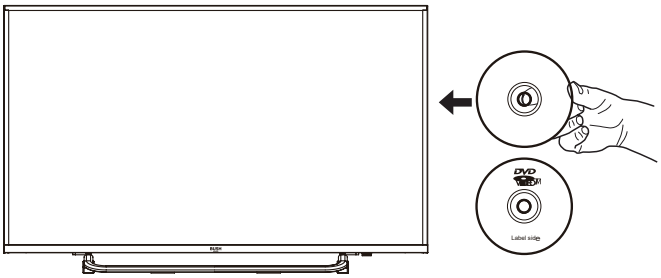
How to watch a DVD

1.Press the "⏻" button on the TV or remote control.

2.Switch to DVD source using the "**INPUT**" button on the remote control.

3.Insert a disc into the loader.

The no label side of the disc MUST be facing you when looking at the TV screen.



Label side

If play does not start automatically, press the "▶II"button on the remote control, or the "▶II " button at the back of the TV.

A menu may appear on the TV screen after a few moments or the film may start immediately after the Film/TV Company introduction. This will depend on the disc content and may differ on each disc.

⚠ Steps 4 and 5 are only available when a menu is recorded on the disc.

4. Press the navigation buttons "▲▼◀▶" or the number buttons to select the required title.

5. Press the **OK** button. The selected item starts to play.

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

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Notes on DVD playback

- No sound will be heard during Rapid advance or Rapid reverse.
- No sound will be heard during Slow motion play.
- Reverse Slow motion play is not available.
- In some cases, the subtitle language will not be changed immediately to the selected one.
- When the preferred language will not select, even after pressing the button several times, it means the language is not available on the disc.
- When the DVD player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.
- If a language is selected that is not supported by the disc, the subtitle language will automatically be set to the disc's priority (default) language.
- Usually a 'circulation' will happen while switching to another language, this means you can cancel the subtitle by pressing the same button a number of times until "Subtitle Off" appears on the screen.
- When the power is turned on or the disc is removed, the language heard will be the one selected at the initial settings.
- Some DVDs may not contain root and/or title menus.
- Reverse stepping is not available.
- For reference: If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "Input Invalid ⃠ " message appears on top-left corner of screen.
- The slide show is disabled when the ZOOM mode is on.

Getting to know your TV

You'll be up and running in no time

DVD Controls

You can operate DVD, movie CD, music or picture CD's content by using the correct buttons on your remote control.
Below are main functions of commonly used remote control buttons.

Buttons on Remote Control	DVD Playback	Movie Playback	Picture Playback	Music Playback
▶II	Play/Pause	Play/Pause	Play/Pause	Play/Pause
■/SIZE	Stop	Stop	Return to the picture list	Stop
⏏/INDEX	Open or close the dics tray	Open or close the dics tray	Open or close the dics tray	Open or close the dics tray
SET-UP	Displays the DVD OSD menu	Displays the DVD OSD menu	Displays the DVD OSD menu	Displays the DVD OSD menu
⏮	Skip backward	Skip backward	Skip backward	Skip backward
◀◀	Rapid reverse	Rapid reverse	X	Rapid reverse
TITLE/TEXT	Display disc menu (if available)	Display disc menu (if available)	X	X
SUBTITLE	Subtitle on-off. Press repeatedly to switch between subtitle option	Subtitle on-off. Press repeatedly to switch between subtitle option	X	X
⏭	Skip forward	Skip forward	Skip forward	Skip forward
▶▶	Rapid advance	Rapid advance	X	Rapid advance
D.MENU	Return to the main menu of a loaded DVD (if available)	Return to the main menu of a loaded DVD (if available)	Return to the main menu of a loaded DVD (if available)	Return to the main menu of a loaded DVD (if available)
A-B/ HOLD	Repeat a selected section	Repeat a selected section	X	Repeat a selected section

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Getting to know your TV

You'll be up and running in no time

Initial setup

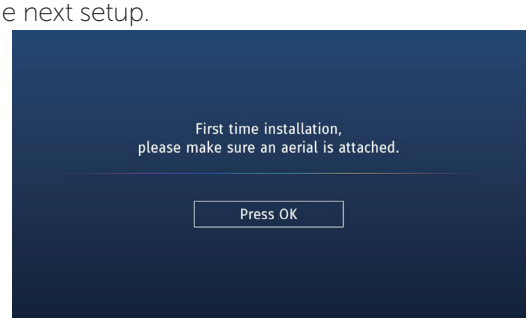
1. Connect one end of the RF coaxial cable to the aerial socket on the wall and the other end of the cable to the RF (75Ω) socket at the bottom of your TV.

2. Connect the mains cable to the mains socket after you have completed all the connections.

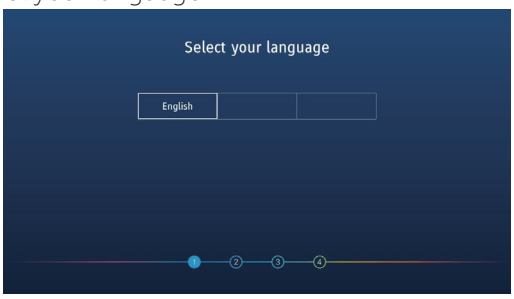
3. With power cord plug connected to the mains power socket and TV in **'Standby'** mode. At this stage, the TV switches to standby mode. The red LED indicator will illuminate on the front panel of the TV.

4. In standby mode, press the **"** ⏻**"** button on the back of the TV or the "⏻" button on the remote control to turn the TV on. The red LED indicator will turn blue.

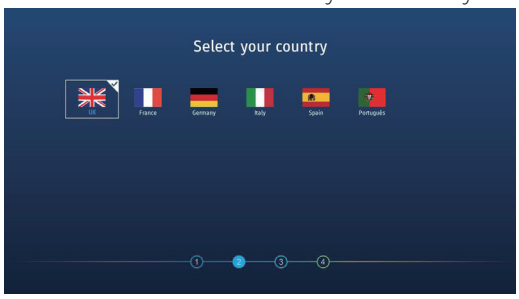
5. The first time you turn the TV on, please ensure the TV is connected to the aerial, then press the **OK** buttons for the next setup.



6. Select your language.



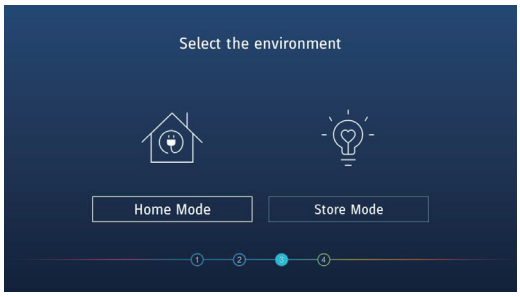
7. Press the ◄ ► buttons to select your country.



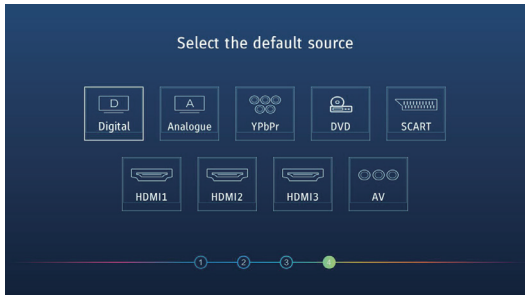
8. Press the ◄ ► buttons to select the environment.

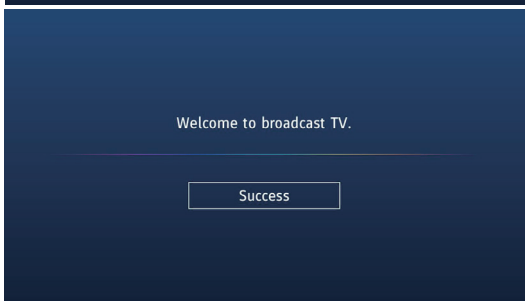
• Home Mode: Viewing at home.

• Store Mode: For store demo, the brightness is higher than home mode.



9. Press the ▲▼◄ ► buttons to select the default source.





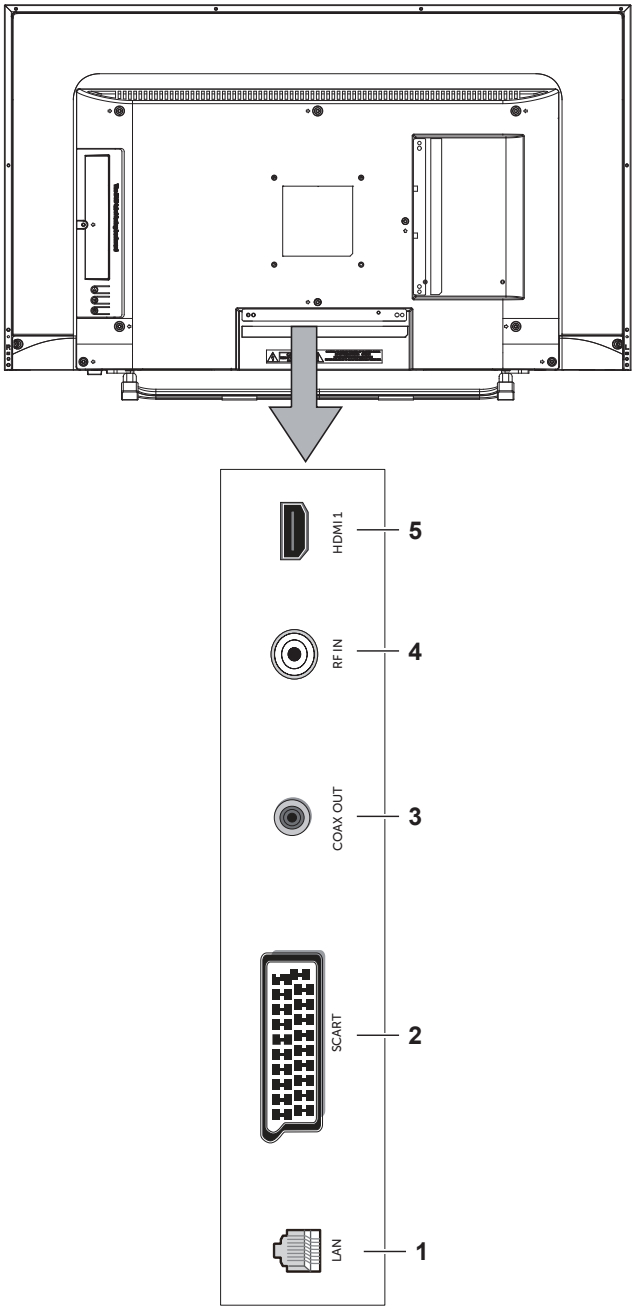
or online at **www.bush-support.com** If you still require further assistance, call one of our experts on **0345 604 0105**.

Connections 3

Connections

Bringing it all together

Left bottom connections explained



1. LAN

To use the wired network connection, connect an RJ-45 Ethernet cable (not included) from the jack on the back of your TV to your network router. When connected to the network, it has only two functions:

• Update network time.

• OTA(Over-the-AriTechnology) will use it to update software.

2. SCART socket

Inputs or outputs for external devices. Connect the SCART cable between the SCART socket on the TV and the SCART socket on the external device (decoder, VCR or DVD player).

Note: If an external device is connected via the SCART socket, the TV will automatically switch to SCART mode.

3. COAXIAL

Connect to the digital audio input socket on a digital / standard 5.1 audio system.

4. RF Input (ANT.)

Connects to aerial (antenna) or cable TV. If you use a decoder or a media recorder, you should connect the aerial cable through the device to the TV with an appropriate aerial cable.

5. HDMI Input

Connects a device that has an HDMI socket. The TV can display High Definition pictures from devices such as a High Definition Satellite Receiver or DVD Player. These devices must be connected via the HDMI sockets or Component Socket. No sound connection is needed for an HDMI to HDMI connection.

Note: For HDMI 2 only

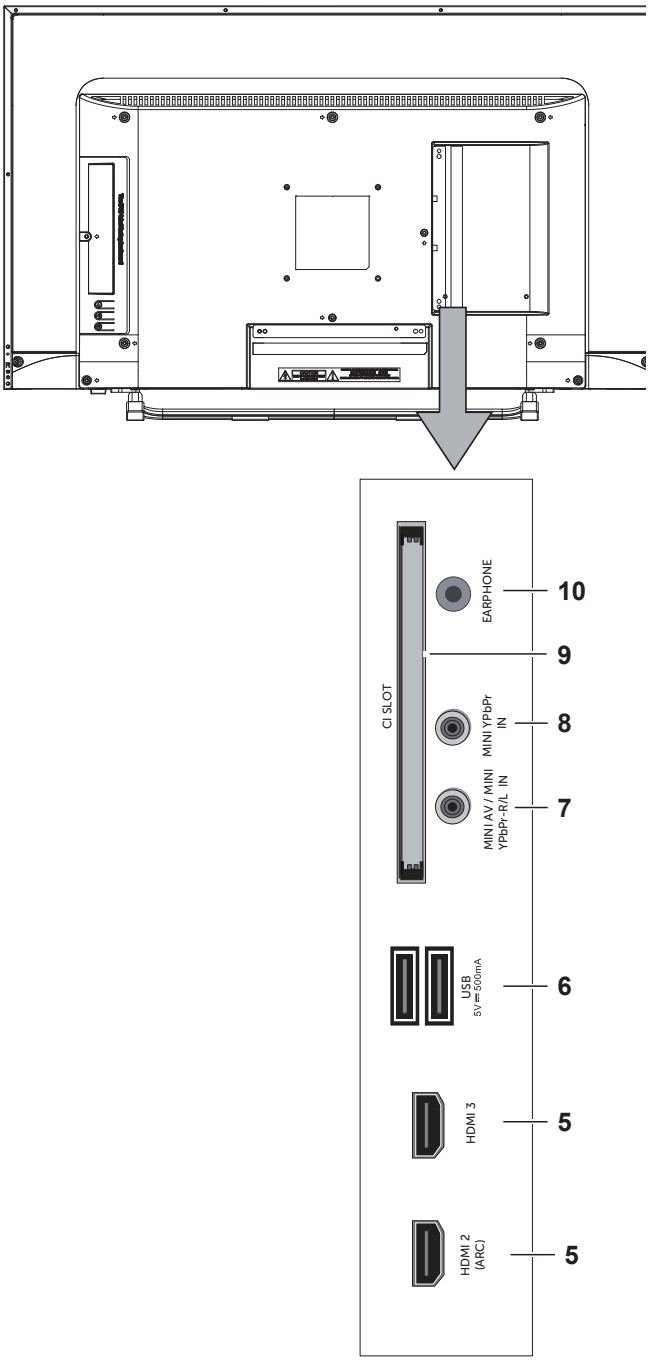
In addition to normal HDMI and HDMI-DVI functionality, it outputs TV audio to an HDMI-ARC compliant device, such as a soundbar / home theatre system.

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Connections

Bringing it all together

Left side connections explained



6. USB Input
To connect devices to the TV, providing fast data exchange. USB will have function in USB/DTV mode.

7. MINI AV/YPbPr-R/L
Connect to the composite VIDEO and AUDIO (R/L) output sockets on external video devices.

8. MINI YPbPr
YPbPr Input socket is just suitable for YPbPr Mini Cable. Connect to a DVD player, Digital Set-Top-Box, or other AV devices with component (YPbPr) video output sockets.
Note: Pls. use "MINI AV/YPbPr-R/L" socket, when you want to connect to YPbPr audio.

9. CI Slot
Used to insert a CI card. A CI card allows you to view all the channels that you subscribe to. For more information, see “Common Interface” section.

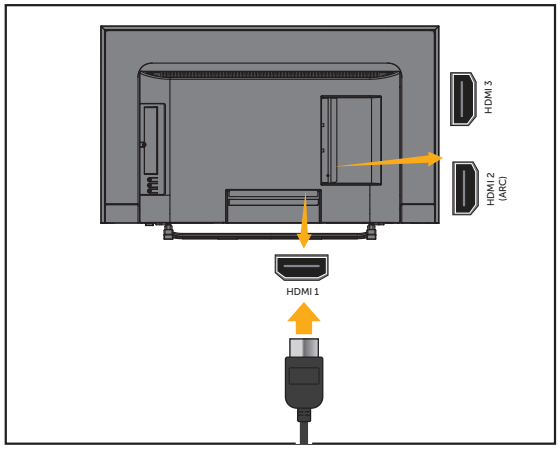
10.Headphone jack
To connect an external headphone to the TV. Connect to the HEADPHONE jack to listen to the TV from headphones. **Note:** Headphone volume can be changed using “VOL+” or “VOL-” buttons.

Connections

Bringing it all together

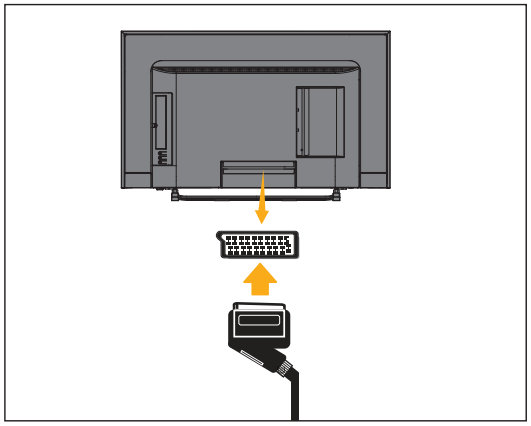
HDMI Connections

HDMI lets you enjoy high definition digital images and high quality sound by connecting the TV to external devices such as DVD players, set top boxes or gaming equipment.
Power off both the TV and the device before making any connections.
For more information, refer to your device's own instruction book.
When connecting, switch **"INPUT"** to **"HDMI 1/ HDMI 2/ HDMI 3"** .See, **"Input Selection"** section.
Note: HDMI cable is not supplied.



SCART Connections

Most devices support SCART connection. You can connect a DVD recorder, VCR or decoder to the TV using the SCART socket.
Power off both the TV and the device before making any connections.
For more information, refer to your device's own instruction book.
Note: The Scart cable is not supplied.



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or online at **www.bush-support.com** If you still require further assistance, call one of our experts on **0345 604 0105**.

4 Standard features

Standard features

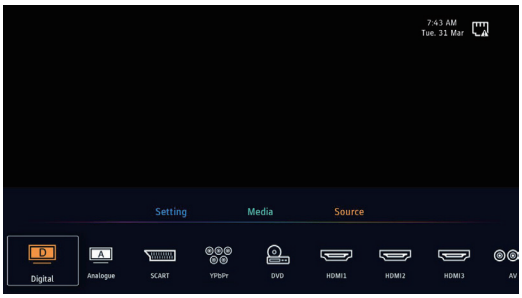
Simple everyday use

How to navigate menus - Selecting source

1. Press the **INPUT** button on the remote control to display the Input source list.

2. Press the ▲▼◀▶buttons to select the input source that you want: Digital / Analogue / SCART / YPbPr / DVD/ HDMI 1 / HDMI 2 / HDMI3 / AV.

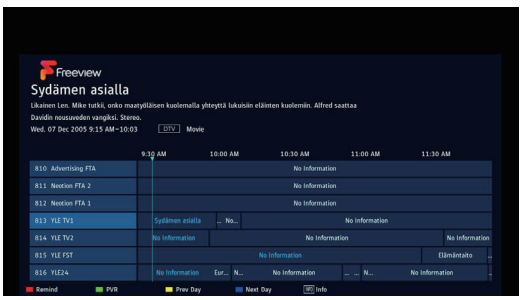
3. Press **OK** button to confirm your selection.



Electronic programme guide (EPG) (DTV mode)

This system has an Electronic Programme Guide (EPG) to help you navigate through all the possible viewing options.
The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of programme information will vary, depending on the particular broadcaster).
This function can be used only when the EPG information is broadcast by broadcasting companies.

The EPG displays the programme details for the next 7 days.
1. Press the **EPG** button to switch on **EPG**.



2. Press **EPG** button or **EXIT** button again to switch off EPG and return to normal TV viewing.

Info bar commands:

RED (Remind)
Press the **RED** button while on the selected programme, the Remind setting menu will be displayed. You can view and set the reminder time and frequency.

GREEN (PVR)
Press the **GREEN** button while on the selected programme, the Record setting menu will be displayed. You can view and set the recording time and frequency.

Press the▲▼◀ ▶ buttons to adjust the settings then select Save, and press **OK** button to confirm the settings. Then / will be displayed as your reminders shown. The TV will automatically tune to the selected programme when it starts, and it will have a remind of 30s.

YELLOW (Prev. Date)
Press the **YELLOW** button to view the schedule of the previous day.

BLUE (Next Date)
Press the **BLUE** button to view the schedule of the next day.

● **REC**
Timer Programming.

Note: A USB storage device must be connected to one of the USB inputs to use the PVR or REC functions.

OK
Press to display detailed information of the selected programme (if available).

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Standard features
Simple everyday use

Teletext (ATV mode)

Teletext is a free service broadcast by some TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics. Using the Teletext control buttons you can view pages of information that are listed in the teletext **INDEX.**

To Turn on Teletext Function



Make sure the TV channel you are watching transmits teletext.
"No Teletext" sign will show on the screen if teletext is not available.

In ATV mode, press the **TEXT** button to enter Teletext mode. Press the **INDEX** button to display the **INDEX** page.
Press the **TEXT** button once to exit and the TV will return to the channel you were watching.

To select a page of text
Find the number of the page in the **INDEX** and enter it using the **0-9** buttons. The number of the page will appear on the top left corner of the screen.
The page counter will search for your page. When it finds it, the page will be displayed. To move to the next page of text, press the▲ button.
To move to the previous page, press the ▼ button.
To return to the **INDEX** page, enter the **"100"** by using the 0-9 buttons or press the **INDEX** button.

Mix
To view a page of text while watching a TV programme, press the **TEXT** button twice.
The text will be superimposed over the TV programme.
Double height text If you have difficulty reading the text on the TV you can double the height of the text.
Press the **SIZE** button. The top half of the page will be displayed in double height text.
Press the **SIZE** button again. The bottom half of the page will be displayed in double height text.
Press the **SIZE** button again to return to the full page.

Page HOLD
If the page of text you have selected contains subpages, these subpages will automatically be displayed in order with a delay to allow you to have enough time to read the page.
To stop the movie to the next sub page, press the **HOLD** button.
To continue moving through the sub pages, press the **HOLD** button again.
Alternative: Press the **SUBPAGE** button, and then use the **0-9** buttons to enter a 4-digit page number.

To Reveal Information
Press the **REVEAL** button to reveal concealed information (quiz answers etc.).
Press the **REVEAL** button again to conceal the information again.

Fasttext
At the bottom of the teletext screen is a row of subject headings in red, green, yellow and blue.
The remote control has a row of colour buttons corresponding to the row of coloured subjects on the screen.
Pressing one of the colour buttons will take you directly to the page corresponding to the subject heading.

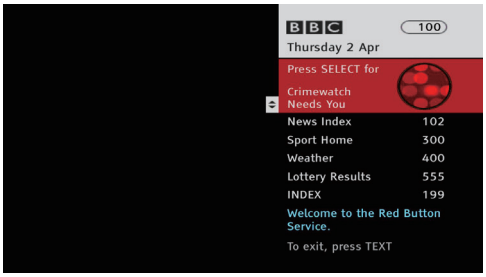
Standard features

Simple everyday use

Digital Teletext (DTV mode)

Digital teletext can access special digital teletext services and specific services which broadcast digital teletext. You will need to turn off Subtitle Function before using teletext.

1. In DTV mode, press the **TEXT** button to display the teletext page.



2. Press the **0-9** buttons to select a page number.

3. Follow the instructions on digital teletext and move onto the next step by pressing **OK,◄►▲▼, RED, GREEN, YELLOW, BLUE** or **0-9** buttons etc.

4. To change digital teletext service, select a different service by pressing the **0-9** buttons or the **▲▼**buttons.

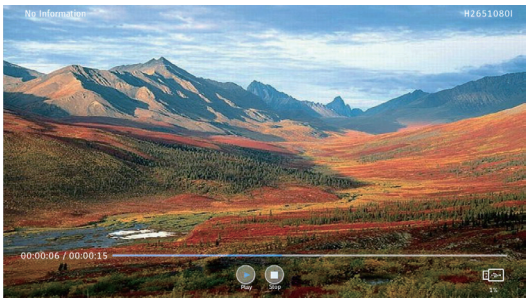
5. Press the **TEXT** button to exit

Recording DTV Programme onto a USB Storage Device

Use this function to record the DTV programme you are watching on the main screen and save it for future viewing. The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.
Please make sure the USB device is inserted. If not, a warning message will pop up.

1. Press the ● **REC** button to record the programme that you are currently watching.

⚠ To display the recording information, press the ● REC button.



2. Press the **Stop** button to stop recording.

⚠

- If a hard disk is used, make sure its mains adapter is connected to the mains supply.
- If a USB hub is used, make sure its mains adapter is connected to the mains supply as the total current consumption may exceed 500mA.
- The maximum supported storage space of the hard disk is 1 TB.
- The file system only supports FAT32 format.
- If you want to store the video streaming of a DTV programme, the transfer rate of the USB storage device must not be less than 5MB/s, otherwise the picture and sound of the programme will be affected and a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device.
- The TV screen will be blank temporarily as it will take time to start up and stabilise the connected hard disk. This is normal and the starting time may vary depending on the brand and the memory size of the connected hard disk.
- Disconnect the USB storage device if it is not in use.

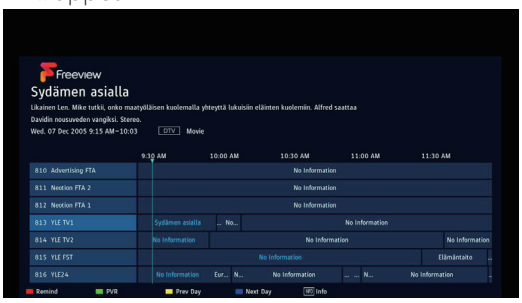
Standard features

Simple everyday use

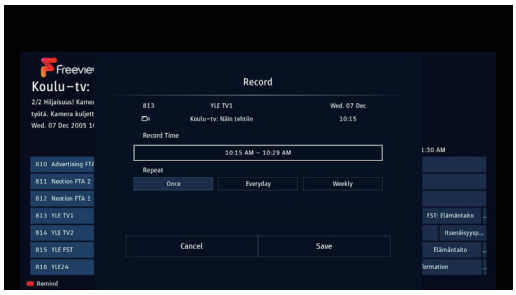
Timer Programming

This function is used for scheduled recording. The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.
Please make sure the USB device is inserted. If not, a warning message will pop up.

1. Press the **EPG** button on the remote control.The **EPG** menu will appear.



2. Press the ● **(REC)** button on the remote control while on the selected programme, the **PVR** menu will be displayed. Press the ▲▼◄►buttons to select the settings in the **Record** menu for the Repeat, Record time.



Repeat
Press the ◄► buttons to select the Repeat (Once / Every day / Weekly).

Record time
Press the▲▼◄►buttons to adjust the start time and the end time

3. After finishing all the recorder adjustments, press the Save button to confirm your settings.

4. The Record Setting List will then be displayed with your preset reminders shown.

5. Press the **EXIT** button to exit EPG.

- When the preset time is reached, the TV will start recording automatically.
- If a programme recording starts when the TV is in standby mode, the LED indicator will alternatively flash red and blue.

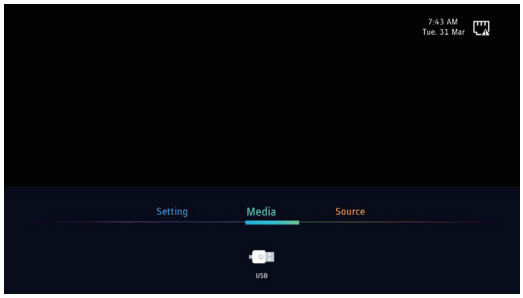
Standard features

Simple everyday use

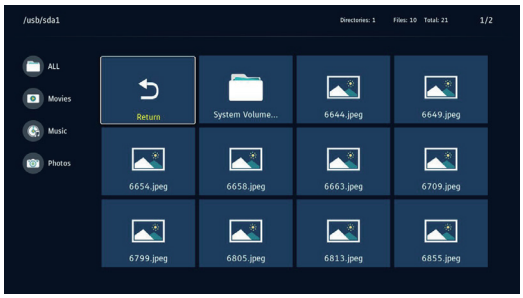
Play Recorded Programme

You can play a recorded programme from the recorded programme list or from a USB Storage Device.

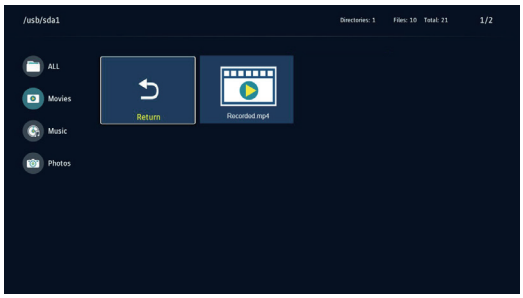
1. Press the **INPUT** button on the remote control then press the ◄►▲▼buttons to select the Media mode and then press the **OK** button to select your storage device and then press the **OK** button.



2. Press the ◄►▲▼buttons to select **Movies** and then press the **OK** button.



3. Press the ◄►▲▼ buttons to select your recorded programme and then press the **OK** button to view.



4. Press the **OK** button or the **INFO** button to display the function bar. Press the ◄►buttons and then press the **OK** button to select the function: Previous / FB / Pause(Play) / FF / Next / Repeat / Playlist / Info / Zoom.

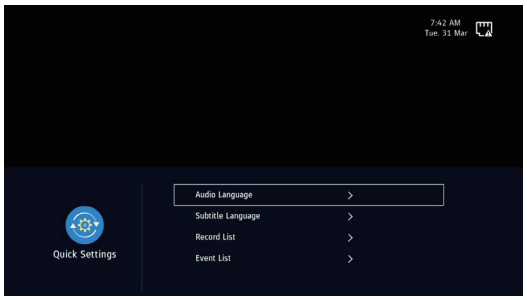


5. Press the **EXIT** button to return to the previous menu.

Quick Settings management (ATV / DTV Mode)

1. Press the **MENU** button to display the main menu. Press the **OK** buttons to select Quick Settings in the main menu, it will highlight the first option.

2. Press the ▲▼◄► buttons to change the following settings.



Audio Language (DVT mode)
Press the ▲▼ buttons to select your desired Audio language. Press the◄► buttons to select L/R.

Audio Language (AVT mode)
Language selection for dual language broadcast.
If a programme can be received in two languages (dual language), you can swith to DUAL I, DUAL II or Mono by pressing the **AUDIO** button repeatedly.
When a programme is selected, press the **AUDIO** button to select Stereo,Dual I, Dual II and Mono.

Subtitle Language
Press the ▲▼ buttons to select your desired subtitle language.

Record List
Select Record List to check the information of the connected USB storage device for PVR.

Event List

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Standard features
Simple everyday use

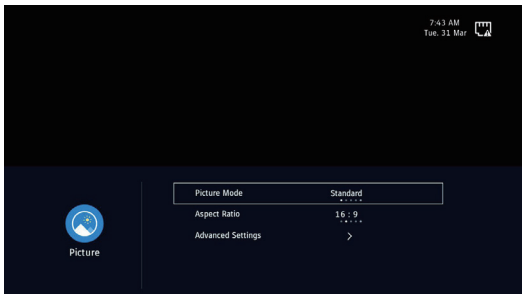
Select Event list to view the scheduled recordings list.

3. Press the **EXIT** button to exit the menu.

Picture management (ATV / DTV Mode)

1. Press the **MENU** button to display the main menu. Press the◄► buttons to select Picture in the main menu, then press the **OK** button, it will highlight the first option.

2. Press the ▲▼◄► buttons to change the following settings.
TIPS:
• You can change the value of brightness, contrast, colour, tint, sharpness and backlight when the picture is in Personal mode.
• You can press **P.MODE** button on the remote control to change the Picture Mode directly.



Picture Mode
Allows the selection of a picture-enhancement technical from among the following options: Standard / Personal / Dynamic / Movie / Economy .

Brightness
This item can adjust the optical fiber output of the entire picture; it will affect the dark region of the picture.

Contrast
This item can adjust the highlight intensity of the picture, but the shadow of the picture is invariable.

Colour
This item can adjust the saturation of the colour based on your own preference.

Tint
This item may use in compensating colour changed with the transmission in the NTSC mode.
Not available for PAL transmission.

Sharpness
This item can adjust the peaking in the detail of the picture.

Backlight
This item can adjust the backlight of the colour based on your own preference.

Aspect Ratio
Allows you to watch the screen in various picture formats: Auto / 16:9 / 4:3 / Zoom1 / Zoom2.

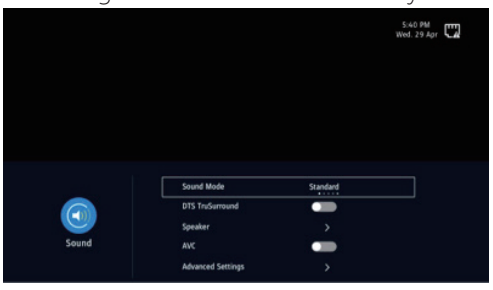
Advanced Settings
• OverScan: The screen is fully displayed when OverScan off. Part of the screen will not show when OverScan on. Press the◄► buttons to select On or Off.
• Colour Temperature: Reduces the colour temperature of the connected device (Standard / Cold / Warm).
• Dynamic Contrast: Adjusts the dynamic contrast (Off / Low / High).
• Noise Reduction: Reduces the noise level of the connected device (Off / Low / Medium / High).

3. Press the **EXIT** button to exit the menu.

Sound management

1. Press the **MENU** button to display the main menu. Press the◄► buttons to select Sound in the main menu, then press the **OK** button, it will highlight the first option.

2. Press the ▲▼◄► buttons to change the following settings.
TIPS:
• You can press the **S.MODE** button on the remote control to change the Sound Mode directly.



Sound Mode
Allows the selection of an audio-enhancement technical from among the following options: Standard, Music, Sports, Movie and Personal.

DTS TruSurround
This creates a surround sound effect to your TV when switched on and DTS Trusurround is off. Press the◄► buttons to select On or Off.

Standard features

Simple everyday use

Speaker

• Audio Out : Press the◄► buttons to select PCM, RAW or Off.

• Digital Audio Delay: Press the◄► buttons to set value of your preference.

AVC

Automatic volume control. Press the◄► buttons to select On or Off.

Advanced Settings

• Balance: Adjusts the relative volume of the speakers in a multiple speaker system. Press the◄► buttons to set value based on your own preference.

• Treble: Controls the relative intensity of higher-pitched sounds. Press the◄► buttons to set value based on your own preference.

• Bass: Controls the relative intensity of lower-pitched sounds.Press the◄► buttons to set value based on your own preference.

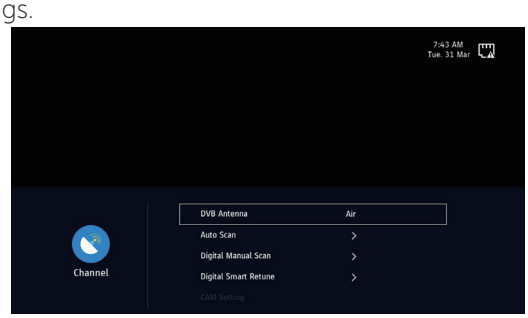
• Audio Description: is an additional narrative track, mainly used by visually blind and visually impaired users. Selects to turn On/Off Audio Description. (DTV mode)

3. Press the **EXIT**button to exit the menu.

Channel management (ATV / DTV Mode)

1. Press the **MENU** button to display the main menu. Press the◄► buttons to select Channel in the main menu, then press the **OK** button, it will highlight the first option.

2. Press the ▲▼◄► buttons to change the following settings.



Auto Scan

Use this to automatically find and store all available channels. This is normally recommended if some channels have been added or removed by the broadcaster or you have moved house.

• Tuning Mode: Selects the auto scan mode: Digital+Analogue / Digital / Analogue.

• Auto Tuning: Press the ► or **OK** button to start auto tuning.

Digital Manual Scan (DTV Mode)

• Press the ◄► buttons to select the desired channel.

• Start Scan: Press the ▲▼ buttons to select Start Scan and then press the **OK** button to start tuning.

If you stop the tuning before it has finished, the TV will report a no signal error. This is normal because all previous channel memory has been cleared before tuning is carried out.

Digital Smart Retune (DTV Mode)

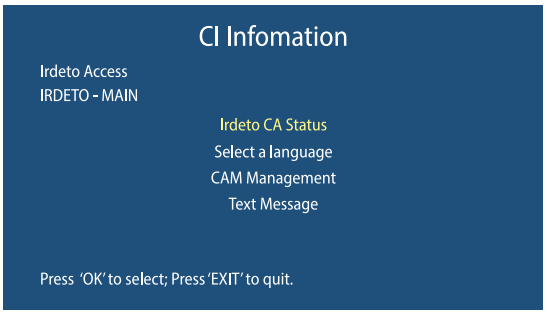
To ensure receiver maintains target region selection, favourites, reminders and scheduled recordings following a rescan.

Press the ► / **OK** buttons to select the feature.

CAM Setting (DTV mode)

1. Press the **MENU** button to display the main menu. Press the ◄► buttons to select **Channel** in the main menu, then press the **OK** button.

2. Press the ▲▼ buttons to select **CAM Setting** and then press the **OK** button.



3. A Common Interface main menu will pop up. Press the ▲▼ buttons to select the items and press the **OK** button to confirm.

4. Press the **EXIT** button to exit the menu.

The common interface allows the use of a Common Access Module to enable you to view scrambled (pay to view) services. These services are provided by TopUp TV (UK only) and others. The Common Access Module and viewing card can be obtained from the service provider.

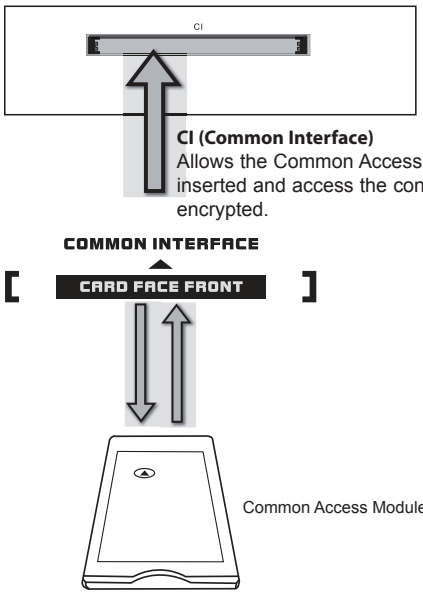
Do not repeatedly insert or remove the Common Access Module as this may damage the interface and cause a malfunction.

This feature is not available in all countries.

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Standard features

Simple everyday use



To insert the Common Access Module

1. Before you insert the Common Access Module, ensure that the TV is switched off and the viewing card is inserted **in accordance with the Service Provider's instructions.**

2. Insert the Common Access Module into the slot. Flip the Common Access Module to another side and try again if you feel resistance.

3. Switch the TV on.

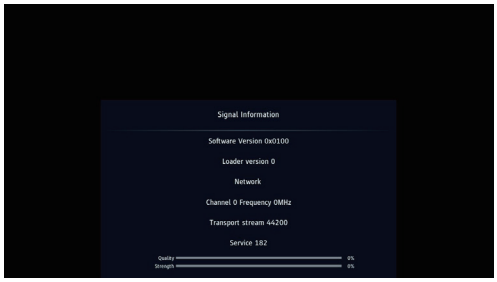
To remove the Common Access Module

1. Before you remove the Common Access Module, ensure that the TV is switched off.
2. Pull the Common Access Module from the slot.
3. Switch the TV on.

Signal Information (DTV mode)

1. Press the **MENU** button to display the main menu. Press the ◄ ► buttons to select **Channel** in the main menu, then press the **OK** button.

2. Press the ▲▼ buttons to select **Signal Information** and then press the **OK** button to view the Signal Information.

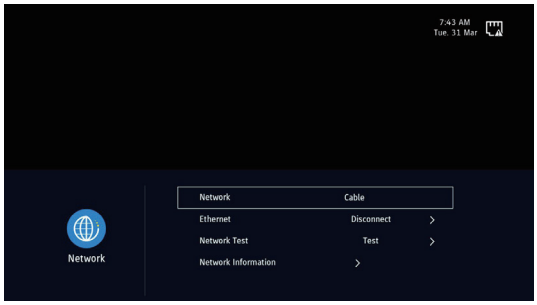


3. Press the **EXIT** button to exit the menu.

Network management

1. Press the **MENU** button to display the main menu. Press the◄ ► buttons to select Network in the main menu, then press the **OK** button, it will highlight the first option.

2. Press the ▲▼◄ ► buttons to change the following settings.



Ethernet
Press the ◄ ►or **OK** button to select DHCP On or Off.

Network Test
Press the ►or **OK** button to start the test.

Network Information
Press the ►or **OK** button to see network information.

3. Press the **EXIT** button to exit the menu.

Time management

1. Press the **MENU** button to display the main menu. Press the◄ ► buttons to select Time in the main menu, then press the **OK** button, it will highlight the first option.

2. Press the ▲▼◄ ► buttons to change the following settings.

Standard features

Simple everyday use



Time

The clock is set automatically when receiving a digital signal or you can set it manually.
Press the ▶or **OK** button to select Auto Sync On or Off.
On: Press the ▶or **OK** button to set Time zone
Off: Press the ▶or **OK** button to set Date&Time.

On Time

Press the ▶or **OK** button to enter On Time menu.
On Time: Set the On Time, Input Source, Digital Channel Type(DVT mode), Channel, Volume.

Off Time: Set the Off Time.

Sleep Timer

Press the ▲▼buttons to select a period of time after which the TV automatically switches to standby mode: Off/10/20/30/ 60/ 90/120min.

OSD Timer

Displays time of the on-screen menu: Never/5/10/15/20/30/60/180s.

Auto Standby

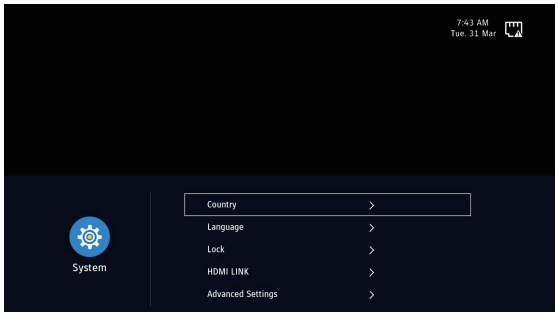
The unit will automatically switch to standby mode Off/3/4/5 hours after the last time the remote control was used. If you want to operate the TV for a long period of time, turn off the auto standby function.

3. Press the **EXIT** button to exit the menu.

System management

1. Press the **MENU** button to display the main menu. Press the◄► buttons to select System in the main menu, then press the **OK** button, it will highlight the first option.

2. Press the ▲▼◄► buttons to change the following settings.



Country

Selects the country where you will operate the TV. The default country is set as UK.

Language

Selects your desired language to be displayed on the menu. The default on-screen menu language is set as English.

- Menu Language
- Primary Audio Language
- Secondary Audio Language
- Primary Subtitle Language
- Secondary Subtitle Language

Lock

Use the **0-9** buttons to input a 4-digit password to enter the Lock System menu.

⚠ Default password "0000".
If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4711".

The Lock must be set to On for this function to operate. If the Lock System is set to On, a valid password must be entered when you access Auto Scan / Digital manual Scan.

- Set Password

Use the 0-9 buttons to input the old password and then input the new 4-digit password. Re-enter new password for confirmation.

- Channel Lock

Channel Lock is designed to prevent children watching unsuitable programmes. When a channel is blocked, a valid password must be entered.

- Parental Guidance

This function allows you to set up blocking schemes to block specific channels and ratings. Press the buttons to select an age rating: Off, 4-18.

HDMI LINK

Press the ◄►or **OK** button to select On or Off.
When HDMI LINK on, you can set Device Auto Power Off, TV Auto Power on, HDMI ARC, Detect.

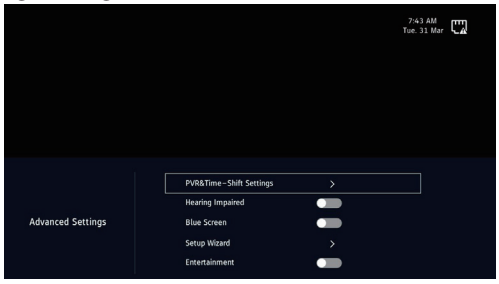
If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Standard features

Simple everyday use

Advanced Settings

Press the ▶or **OK** button to enter Advanced Settings menu. Then press the ▲▼◀▶ buttons to change the following settings.



• **PVR&Time-Shift Settings**

Disk: The path of the current usb flash drive.
Timeshift: Set file size of TimeShift.
Format: Format flash drive.
Speed Check: Check the speed of the usb flash drive.
Hearing Impaired: Auxiliary functions for hearing impairment. Press ◀▶ button to select on or off.

- **Blue Screen:** Blue screen is displayed when there is no signal. Press ◀▶ button select on or off.
- **Setup Wizard:** Select into **"First time installation".**
- **Entertainment:** Press ◀▶ button to select Store mode on or off.
- **Restore to Default:** Select to restore defaults.

3. Press the **EXIT** button to exit the menu.

Entertainment

Using the Features via USB Port

1. Switch off the TV before connecting any USB storage device.

2. Connect your USB storage device to the USB port of your TV.

3. Press the button on the back of the TV or the button on the remote control to turn on your TV and your USB storage device.

4. Press the **INPUT** button on the remote control to display the Source List. Use the ▲▼◀▶buttons to select **MEDIA** and then press the **OK** button to confirm.

Attention:

Some versions of portable hard disk may require more power than the TV USB socket can provide. To ensure correct operation please use power adapter for that device.

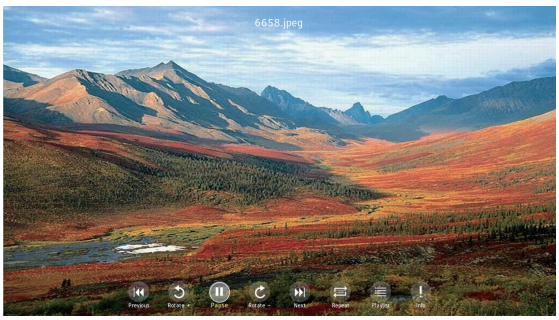
- If a USB hub is used make sure its mains adapter is connected to the mains supply as the total current consumption exceed 500mA.
- The maximum supported storage space of the hard disk is 1 TB.
- The file system only support FAT32 format.
- If you want to store the video streaming of a DTV programme, the transfer rate of the USB storage device must not be less than 5MB/s, otherwise the picture and sound of the programme will be affected and a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device.
- The TV screen will be blank temporarily as it will take time to start up and stabilize the connected hard disk. This is normal and the starting time may vary depending on the brand and the memory size of the connected hard disk.
- Disconnect the USB storage device if it is not in use.

Viewing Photo

1. Press the **INPUT** button on the remote control then press the ▲▼◀▶ **buttons to MEDIA** and then press the **OK** button.
2. Press the ▲▼◀▶ buttons to select **Photos** and then press the **OK** button.

3. Press the▲▼◀▶buttons to select the picture file and then press the **OK** button.

4. Press the **MENU** button to display the function bar: Previous / Rotate+ / Pause(Play)/ Rotate-/ Next / Repeat / Playlist / Info.



5. Press the **EXIT** button to return to the previous menu.

Listening to Music

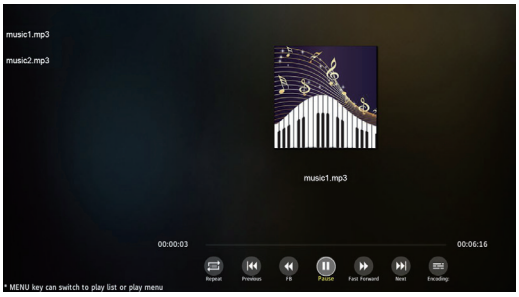
1. Press the **INPUT** button on the remote control then press the ▲▼◀▶ **buttons to MEDIA** and then press the **OK** button.
2. Press the ▲▼◀▶ buttons to select **Music** and then press the **OK** button.

3. Press the▲▼◀▶buttons to select the music file and then press the **OK** button.

4. Press the **MENU** button to display the function bar: Repeat /Previous / FB/ Pause(Play)/ FF / Next / Encoding.

Standard features

Simple everyday use



5. Press the **EXIT** button to return to the previous menu.

Viewing Movies

1. Press the **INPUT** button on the remote control then press the **▲▼◄► buttons to MEDIA** and then press the **OK** button.

2. Press the **▲▼◄►** buttons to select **Movies** and then press the **OK** button.

3. Press the **▲▼◄►** buttons to select the movie file and then press the **OK** button.

4. Press the **MENU** button to display the function bar: Previous/FB /Pause(Play) / FF / Next / Repeat / Playlist/ Info/ Zoom.



5. Press the **EXIT** button to return to the previous menu.

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

or online at **www.bush-support.com** If you still require further assistance, call one of our experts on **0345 604 0105**.

5 Using the DVD Features

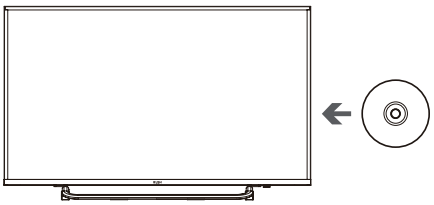
Using the DVD Features

Let's get started

Using the Built-in DVD Player

1.Press the " ⏻ " button on the TV or remote control. Switch to DVD source using the "**INPUT**" button on the remote control.

2. Insert a disc with the label side facing away from you. (CD-R, CD-RW, DVD-R, DVD-RW, CD, DVD+R, or DVD+RW) Allow 10 seconds for the player to load the disc.



3. After the disc is inserted, the TV will will show the content of the disc automatically.

4. If the DVD player does not play the disc, press the **INPUT** button on the remote control to display the Source List. Use the ◀▶ buttons to select **DVD** and then press the **OK** button to confirm. Press the ▶II button on the unit or the ▶II button on the remote control to start playing.



5. Press the ⏏ button if you want to remove the disc.

Disc Types	Disc Logo	Record Content
DVD-VIDEO (Digital Versatile Disc)		AUDIO+VIDEO
DVD±RW (Audio/Video format or JPEG files)		AUDIO+VIDEO+JPEG
DVD±R (DVD Recordable -Audio/Video format or JPEG files)		AUDIO+VIDEO+JPEG
CD-R (CD-Recordable -Audio/Video format or JPEG files)		AUDIO+VIDEO+JPEG
CD-RW (CD-Rewritable- Audio/Video format or JPEG files)		AUDIO+VIDEO+JPEG
AUDIO-CD (Compact Disc Digital Audio)		AUDIO

Supported Formats
JPEG

- The file extensions has to be .jpg and not .jpeg.
- Pictures encoding must comply with JPEG/ ISO format.
- This DVD player can only display DCF standard still pictures or JPEG pictures such as TIFF.

Region Code

Both the DVD player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.

The Region Number for this DVD player is described on the rear panel of the TV.

Disc Types	DVD-VIDEO
Region code	2

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Using the DVD Features

Let's get started

Basic DVD Playback Functions

Playing the DVD

Depending on the disc, a menu may appear on the TV screen once the disc has loaded. When playing the disc, you may use the ▶II button to toggle between Play and Pause mode. This product also supports Menu / Title / Sequential / Programme Playback.

Menu Playback (for DVD)

• For DVD discs, the screen will display the DVD Disc Menu (Root Menu).
• Press the ▶II button or the **OK** button to start from the highlighted content.
• Press the **D.MENU** button to return to the Root Menu when playing the disc.
• For some DVD discs you may need to press the **D.MENU** button or the **TITLE** button to display the Disc Menu.

Stopping Playback

• Press the ■button once to stop. Press the ▶II button to resume from where you stopped.
• Press the ■button twice to stop. Press the ▶II button to start from the beginning.
• In order to protect the disc, press the ■button twice and then press the ⏏button to eject the disc. When the disc is ejected, hold the disc edge slightly and remove it from the disc slot.
• When not using the DVD function (in standby- mode or using others modes for a long period of time), please take out the disc to protect the DVD loader and the disc.

Previous / Next (for DVD / CD / Multimedia discs)

• Press the⏮button to play the last Title / Chapter / Track.
• Press the ⏭ button to play the next Title /Chapter / Track.

• For DVD discs, the above functions may very due to different DVD disc's structure.

Forward / Backward (for DVD / CD / Multimedia discs)

• There are 5 speeds for forward. Press ⏩ the button to toggle between the different forward options in sequence. (FORWARD x 2 / FORWARD x 4 / FORWARD x 8 / FORWARD x 16 / FORWARD x 32 / Play).
• Press the ▶II button to return to normal speed playback.
• For DVD discs, when selecting backward to first title / chapter, the disc will start from the beginning.

⚠ There will be no sound during forward or backward.

Pause (for DVD / CD / Multimedia discs)

• For CD / JPEG discs, press the ▶II button to pause; press the ▶II button again to resume playback.
• For DVD discs, press the ▶II button to pause; press the ▶II button again to resume playback.

Aspect

Allows you to select the video size of programme stream.
• Press the **Aspect** button to select the size you want.

Audio (for DVD / CD)

Press the **AUDIO** button to toggle between different audio modes in sequence.
• For CD discs: Mono Left/Mono Right/Mix- Mono/ Stereo.

⚠ Some discs may contain multiple languages which can be selected by pressing the AUDIO button.

A-B (for DVD / CD)

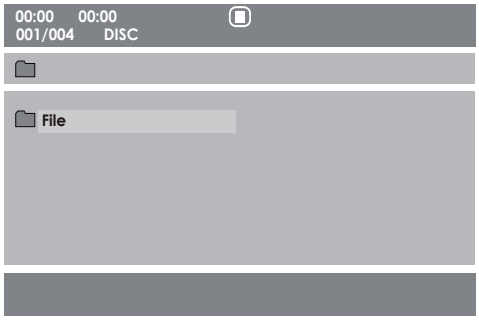
When playing DVD, CD disc, press the **A-B** button to repeat certain content. Press the **A-B** button on the start point (A) and the end point (B) to select the repeat part. Press the **A-B** button a third time to cancel the **A-B** button function and return to normal playback.

Using the DVD Features

Let's get started

Playing Multimedia Discs

After loading the multimedia disc, the disc contents will automatically be displayed and sorted.

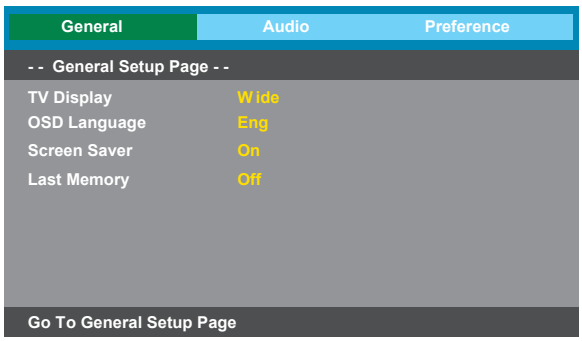


1. Press the ◀▶▲▼ buttons to navigate through the folders and files.
2. Press the **0-9** buttons to select the contents directly
3. When playing or pausing with picture playback, you may use the ◀▶▲▼ buttons to flip / rotate the picture.

DVD SYSTEM MENU

In the DVD mode, press the **SET-UP** button on the remote control to activate the DVD player OSD menu. Press the ◀▶ buttons to select **General/Audio/ Preference**, and then press the ▲▼ buttons or **OK** button to enter the highlighted sub-menu. Press the **SET-UP** button to exit the menu.

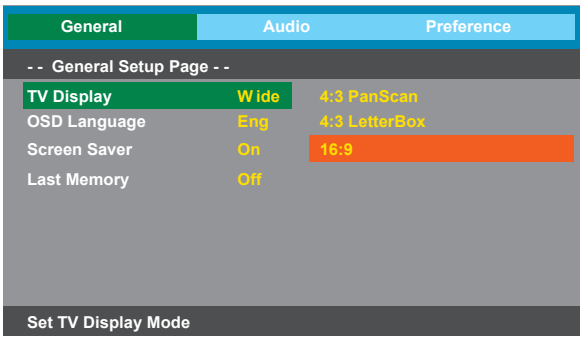
⚠ In Setup mode, the disc playback function will not be available.



Go To General Setup Page

In the DVD mode, press the **SET-UP** button on the remote control to activate the DVD player OSD menu. Press the ◀▶ buttons to select **General** , and then press the ▲▼ buttons or **OK** button to enter the highlighted sub-menu. Press the **SET-UP** button to exit the menu.

TV Display

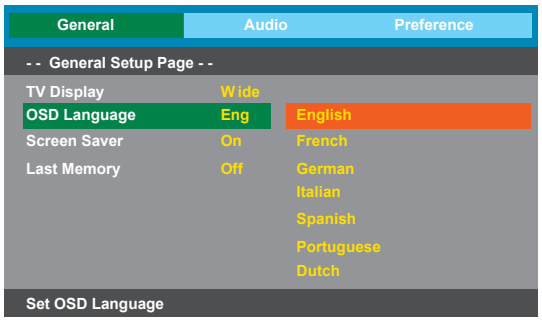


- **4:3 Pan Scan:** Choosing this setting if your DVD player is connected to a normal ratio TV. You can fill the movie to the entire screen of your TV. This might mean that parts of the picture (the left and right edges) won't be seen.
- **4:3 Letter Box:** Choosing this setting if your DVD player is connected to a normal ratio TV. You'll see the movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie might appear with black bars at the top and bottom of the screen.
- **16: 9:** Choose this setting if your DVD player is connected to a wide screen TV. If you choose this setting and you don't have a wide screen TV, the images on the screen may appear distorted due to vertical compression.

Using the DVD Features

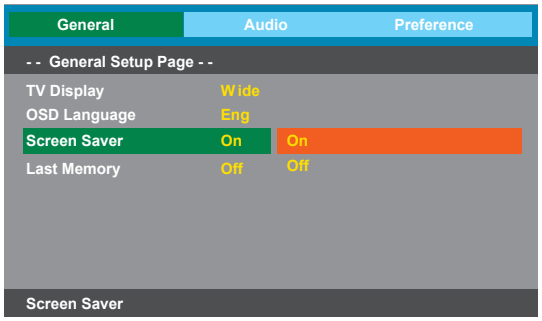
Let's get started

OSD Language



Set the OSD language to your language of choice.

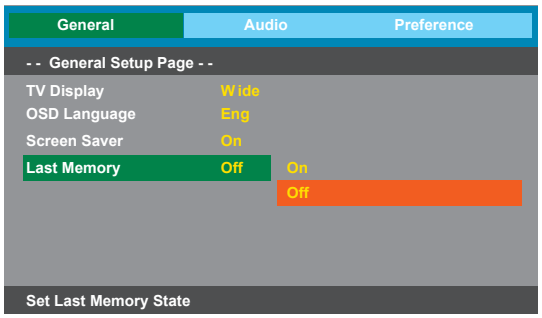
Screen Saver



When the player stops or the picture becomes motionless for a couple of minutes, there will a screen saver to prevent damage to the display screen.

- **On:** To activate screen saver.
- **Off:** To disable screen saver.

Last Memory

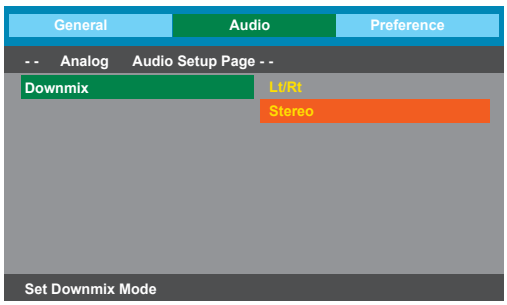


- **On**: Continue playing from last stop every time.
- **Off**: Close the memory function and play from DVD start every time.

Go To Audio Setup Page

In the DVD mode, press the **SET-UP** button on the remote control to activate the DVD player OSD menu. Press the ◀▶ buttons to select **Audio** , and then press the ▲▼ buttons or **OK** button to enter the highlighted sub-menu. Press the **SET-UP** button to exit the menu.

Downmix

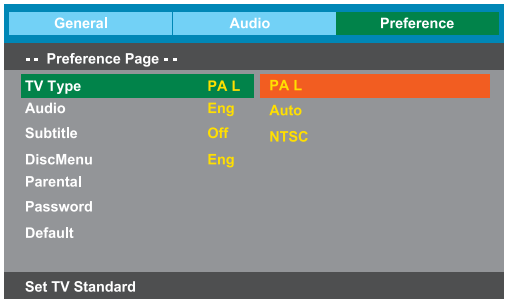


- **Lt/Rt:** Mixed stereo Lt/Rt output.
- **Stereo:** Mixed stereo surround output.

Go To Preference Setup Page

In the DVD mode, press the **SET-UP** button on the remote control to activate the DVD player OSD menu. Press the ◀▶ buttons to select **Preference** , and then press the ▲▼ buttons or **OK** button to enter the highlighted sub-menu. Press the **SET-UP** button to exit the menu.

TV Type



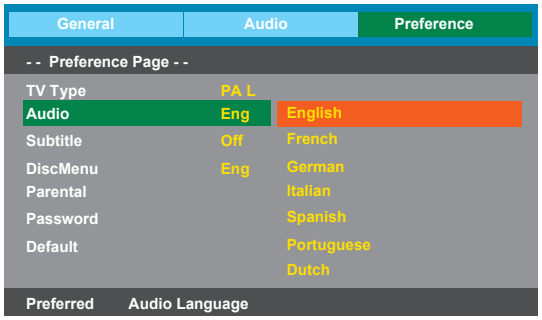
In order for the disc to play, the colour system of the DVD player, disc and TV should match.

- **PAL:**This is the format used in UK.
- **Auto:**This format can be used if your TV / DVD is capable of both PAL and NTSC formats and this is the default setting.
- **NTSC:**This format is used by some other countries, e.g. USA.

Using the DVD Features

Let's get started

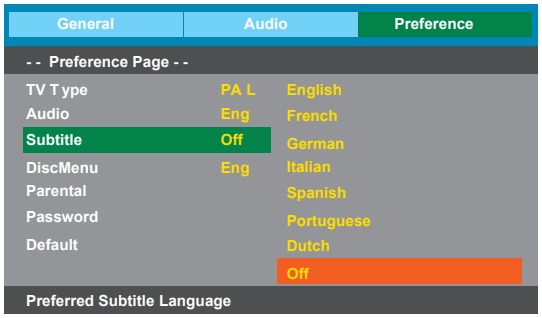
Audio



Not all DVD discs support multiple audio languages.

Set the Audio language to your language of choice.

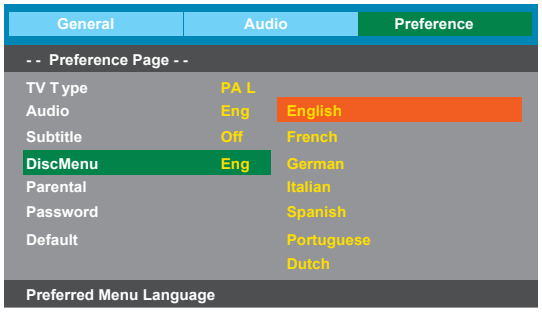
Subtitle



Not all DVD discs support multiple subtitle languages.

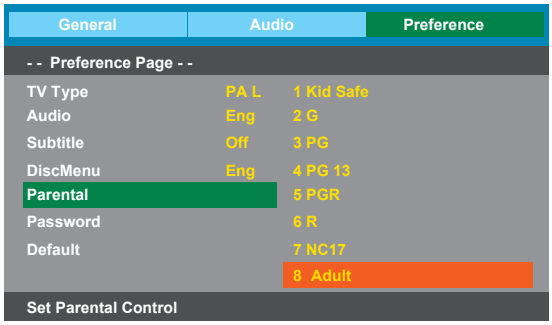
Select the Subtitle language.

Disc menu



Select the Disc Menu language.

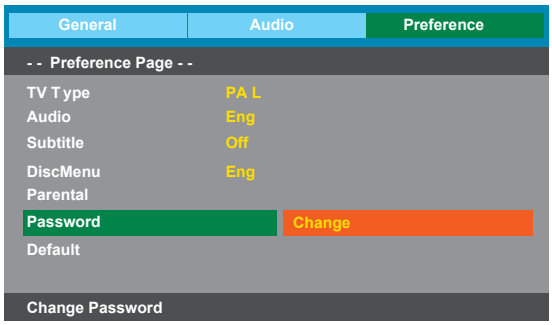
Parental



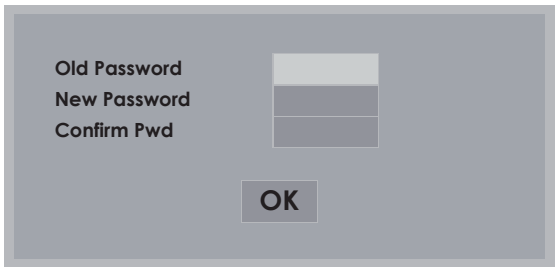
This function is available only when the discs have ratings encoded on them.

Allows the user to set a maximum rating level for a movie that can be played (e.g. PG rating). Movies rated higher than the level set will not be played. The parental lock can only be changed after inputting the correct password.

Password



Select Password in the Preference page menu. (Default password is **8888**; Supervisor Password is 8888).You can change the password, press ▶ button to highlight Change and press **OK**.
You will have to enter previous password, then new password and confirm password again.

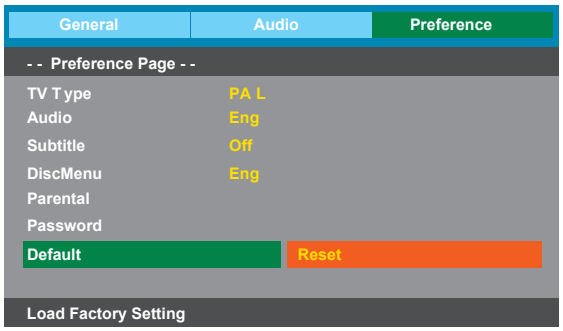


If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Using the DVD Features

Let's get started

Default



Choose this option to resume all the setup options to default settings.

6 Other information

Other information

Helpful technical information

Specifications

TV Broadcasting	PAL, B/G, D/K, I, SECAM, L/L'
Receiving Channels	VHF (BAND I/III) - UHF (BAND U) - HYPERBAND
Number of Preset Channels	99
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	AC 100-240V~ 50/60Hz
Audio	Nicam
Audio Output Power (WRMS.) (10% THD)	2 x 6 W
Panel Dimensions DxLxH (with stand)	181 x 721 x 459 mm
Weight (with stand)	4.9 kg
Panel Dimensions DxLxH (without stand)	68 x 720 x 425 mm
Weight (without stand)	4.7 kg
Energy Consumption Data	EEI A+
On Mode Power Consumption (W)	65 W
Standby Mode (W)	0.5W
Standby Mode	After 4 Hours
Operating Temperature	0°C~40°C
Operating Humidity	10%~80%

Digital reception

MHEG-5 ENGINE compliant with ISO/IEC 13522-5 UK engine Profile 1 - for UK
Object carousel support compliant with ISO/IEC 135818-6 and UK DTT profile - for UK
Frequency range: 474-850 MHz for UK models
170-862 MHz for EU models
Transmission standard: DVB-T/T2 MPEG-2
Demodulation: COFDM with 2K/8K FFT mode
FEC: all DVB modes
Video: MP@ML, PAL, 4:3/16:9
Audio: MPEG Layer I&II 32/44.148kHz.

We apologise for any inconvenience caused by any minor inconsistencies in these instructions, which may occur as a result of product improvements and development.

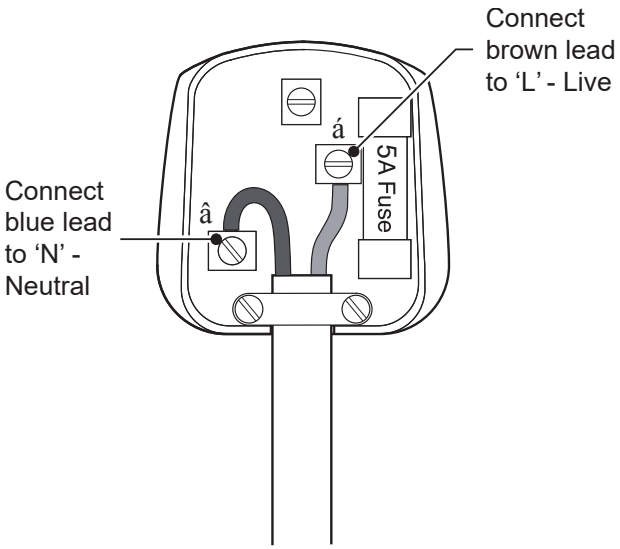
If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Other information

Helpful technical information

Plug replacement - UK and Ireland only

Should you need to replace the plug; the wires in the power cable are coloured in the following way:
Blue – Neutral 'N'
Brown – Live 'L'
As the colours of the wires in the power cable may not correspond with the coloured markings identifying the terminals in your plug, and proceed as follows:
The blue wire must be connected to the terminal that is marked with the letter N.
The brown wire must be connected to the terminal that is marked with the letter L.
If the power lead is damaged, it must be replaced by a qualified electrician.



Energy label

This is called the product Fiche – the information needs to be presented in the following order, also this maybe in the form of a copy of the label, in colour or black and white – the label however must display all the information below:

- Supplier's name or trade mark
- Supplier's model product model no.
- The energy efficiency class of the model.
- The visible screen diagonal in centimetres and in inches
- The on-mode power consumption
- The annual energy consumption
- The screen resolution in physical horizontal and vertical pixel count

DTS TruSurround

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HDMI

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

7 Product support

Product support

Help is always at hand

Trouble shooting

Image persistence - ghosting

Please note that ghosting may occur while displaying a persistent image (still or paused image). LCD TVs' image persistence may disappear after a short time. Try turning off the TV for a while. To avoid this, do not leave the screen in still picture mode for extended periods.

No power

If your TV has no power, please check the power cord plug is connected to the mains power socket.

Poor picture

1.Have you selected the correct TV system?
2.Is your TV or house aerial located too close to a non-earthed audio equipment or neon lights, etc.?
3.Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial. Is the picture or teletext unrecognisable?
4.Check if you have entered the correct frequency.
5.Please retune the channels.
6.The picture quality may degrade when two devices are connected to the TV at the same time. In such a case, disconnect one of the devices.

No picture

1.No Picture means that your TV is not receiving a transmission. Have you selected the correct button on the remote control? Try once more. Also make sure the correct input source has been selected.
2.Is the aerial connected properly?
3.Are the plugs connected tightly to the aerial socket?
4.Is the aerial cable damaged?
5.Are suitable plugs used to connect the aerial?
6.If you are in doubt, consult your dealer.

No sound

1.Has the TV been set to mute? To cancel mute, press the "🔇" button, or increase the volume level.
2.Sound is coming from only one speaker. Is the balance set to one extreme?

Remote control - does not operate

Your TV no longer responds to the remote control. The batteries may be exhausted, if so you can still use the control buttons on the back of the TV.

Input sources - cannot be selected

1.If you cannot select an input source, it is possible that no device is connected.
2.Check the AV cables and connections if you have tried to connect a device.

The DVD picture quality is poor

1.Make sure the DVD disc surface is not damaged (no scratches,fingerprint etc.).
2.Clean the DVD disc and try again. See instructions in "Cleaning Discs" to clean your disc properly page 8.
3.Ensure that the DVD disc is in the loader with the label facing away from you when looking at the TV screen.
4.A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by mode to dry the equipment.

The Disc does not play

1.No disc in the machine - Place a disc into the loader.
2.Disc is incorrectly loaded - Ensure that the DVD disc is in the loader with the label facing away from you when looking at the TV screen.
3.Wrong type of disc. The DVD player cannot play CD-ROMS etc..
4.The region code of the DVD disc must match the player.

Wrong OSD language

1.Select the language in the setup menu.
2.The language for the sound or subtitles on a DVD disc cannot be changed.
3.Multilingual sound and/or subtitles are not recorded on the DVD disc.
4. Try to change the sound or subtitles using DVD's title menu. Some DVD's do not allow the user to change these settings without using the disc's menu.

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Product support

Help is always at hand

Definition of terms

Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which are numbered, and specific parts of video persentations can be searched quickly using these numbers.

Chapter Number

This refers to a high-density optical disc on which high quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG II) and high-density recording technology. DVD discs enables aesthetically pleasing full motion video to be recorded over long period of time (for instance, a whole movie can be recorded).

DVD discs have a structure consisting of two 0.6mm thin discs, which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

Subtitles

These are lines of text appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on the DVD discs.

Time Number

This indicates the playtime, which has elapsed from the start of a disc or a titile. It can be used to find a specific feature to be used. Availability is determined by the disc's manufacturer.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks, which are recorded on Audio CDs. They enable specific tracks to be located quickly.

LPCM

LPCM stands for Pulse Code Modulation and is digital audio.

MPEG

Short for Moving Picture Experts Group. This is an international standard for compression of moving images. On some DVDs digital audio has been compressed and recorded in this format.

Product support

Help is always at hand

Supported file formats

Media	File Ext.	Codec		Remark
		Video	Audio	
MOVIE	.mpg	MPEG-1,MPEG-2	MP3, PCM	**Max Resolution:** 1920x1080
				Max Data Rate: 40 Mbps
	.avi	Xvid,MJPEG		**Max Resolution:** 1920x1080 **Max Data Rate:** 20 Mbps
		MPEG-4 SP/ASP, H.263/H.264		
	.ts	MPEG-2, H.264, HEVC		
	.mov .mkv	MPEG-4 SP/ASP, H.263/H.264, HEVC		
	.dat	MPEG-1		
	.mp4	MPEG-4 SP/ASP, H.263/H.264, HEVC		
		MPEG-1,MPEG-27		**Max Resolution:** 20x576
	.vob	MPEG-2		**Max Data Rate:** 40 Mbps
MUSIC	.mp3	--	MP3	**Sample Rate:** 8K~48KHz **Bit Rate :** 32K~320Kbps
PHOTO	.jpg/P	rogressive JPEG		**Max Resolution:** 1024x768
	.jpegB	aseline JPEG		**Max Resolution:** 15360x8640
	.bmp	BMP		**Max Resolution:** 9600x6400
				Pixel Depth: 1/4/8/16/24/32 bpp
	.png	Non-Interlaced		**Max Resolution:** 9600x6400
		Interlaced		**Max Resolution:** 1280x800

If you require any technical guidance or find that your product is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions,

Product support

Help is always at hand

Disposal information

Recycling electrical products



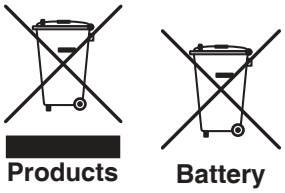
You should now recycle your waste electrical goods and in doing so help the environment. This symbol means an electrical product should not be disposed of with normal household waste. Please ensure it is taken to a suitable facility for disposal when finished with. Visit www.recycle-more.co.uk, click on "bank locator" and enter your postcode to find your nearest recycling site.
For more information, please contact the local authority or the dealer where you purchased the product.

Instructions for waste disposal:

Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as plastic bag, must be kept away from children.

The cold cathode fluorescent lamp in LCD PANEL contains a small amount of mercury; please follow the local laws or regulations for disposal.

Notice: The sign Pb below the symbol for batteries indicates that this battery contains lead.



This product is intended for use within the UK. This equipment complies with the essential requirements of the Radio Equipment Directive RED 2014/53/EC.

Declaration of Conformance

Hereby, Argos Ltd, declares that this television device (catalogue number 484/0792) is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Directive RED 2014/53/EC. The complete declaration of conformity can be obtained by contacting http://www.bush-support.com.

Product support

Help is always at hand

Help and assistance

If you require any technical guidance or find that your television is not operating as intended, a simple solution can often be found in the **Troubleshooting** section of these instructions or online at **www.bush-support.com**

If you still require further assistance, call one of our experts on **0345 604 0105*** . To help give us give you a fast and efficient service please have the following information ready:

Model Ref.		You can find these on the rating plate - a small information panel (usually a sticker or metal plate) on the rear of your product
Serial number		
Date of purchase		This will be shown on your receipt

Local call rates applies*

Lines open 8am-7pm Monday to Saturday and 10am-4pm Sunday.

*Calls to Bush enquiry lines may attract a charge and set up fee from residential lines depending on your call plan/tariff.Mobile and other providers costs may vary, see www.bt.com/pricing for details.

For security and training purposes, telephone calls to and from customer service centres may be recorded and monitored. Calls from Republic of Ireland will attract international call charges.

Product support

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Guarantee

Call us now and activate your 12 month guarantee

Thank you for choosing Bush. Your new product is guaranteed against faults and breakdowns for 12 months. Don't forget to register it with us today so we can provide you with our best possible after-sales service and useful updates.

www.bushregistration.co.uk

FREEPHONE*

0800 597 8548

Lines are open 8am - 8pm, 365 days a year. *Calls may be recorded and monitored.

Your Bush Guarantee

This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will be repaired free of charge (or if applicable the product will be replaced or the purchase price refunded) where possible during this period by the dealer from who your purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in the manual.
- It must be used solely for domestic purposes. The guarantee will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- Bush disclaim any liability for loss or damage arising from the breakdown of the product.
- This guarantee is in addition to and does not diminish your statutory or legal rights.

Important Data Protection Information

To find out how we and Domestic & General Insurance PLC use your data please refer to the guarantee registration material or visit www.bushregistration.co.uk

Guarantor: Argos Limited - 489 - 499 Avebury Blvd. - Milton Keynes - MK9 2NW

BUSH

Produced and imported for Argos Ltd
489-499 Avebury Boulevard, Milton Keynes MK9 2NW
Made in China.

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Contact:

www.bush-support.com

Helpline: 0345 604 0105

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