

# 24" Combination LED TV/DVD

Installation & Operating Instructions - Please keep for future reference

121/9560

# BUSH

## LED24127FHDDVDW



**SRS**  
TruSurround HD

**DVD**  
VIDEO

**DVB**  
Digital Video  
Broadcasting

**HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE

**Freeview**

**IMPORTANT** - Please read these instructions fully before installing or operating

These instructions contain important information which will help you get the best from your television and ensure safe and correct installation and operation.

**For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105**

Lines open: 9am - 8pm Monday to Saturday and 10am - 4pm Sunday

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Issue 1 - 9/2/11



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Model number

BUSH DVB-T LED24127FHDDVDW

## Safety Information

	<b>CAUTION</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b>	
<b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

**To operate your TV in extreme ambient conditions may cause the damage of the device.**



If there is lightning or storms, or if the TV is not going to be used for a while (e.g. if going away on holiday), disconnect the TV set from the mains. The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.



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.

*Note : Follow the on screen instructions for operating the related features.*



**IMPORTANT - Please read these instructions fully before installing or operating**

### Preparation

Place the device on a solid even surface. For ventilation, leave a free space of at least 10 cm all around the set. To prevent any fault and unsafe situations, do not place any objects on top of the set. Use this device in moderate climates.

Operation temperature and operation humidity: 5°C up to 45°C, 85% rel. humidity max. (not blocking ventilation openings).

### Intended Use

This device is used to receive and display TV programmes. The different connection options make an additional expansion of the reception and display sources possible (various external devices). This device is only suitable for dry interior use. This appliance is intended solely for private domestic use and may not be used for industrial and commercial purposes. We exclude liability in principle, if the device is not used as intended, or unauthorized modifications have been made. To operate your LCD TV in extreme ambient conditions may cause the damage of the device.

**⚠ WARNING: Never let people (including children) with physical, sensory or mental abilities or lack of experience and / or knowledge unsupervised use electrical device!**

**Children may not recognize dangers right! The swelling of batteries can be fatal. Keep batteries always out of reach of small children. If a battery is swallowed, seek immediate medical attention. Keep the packaging films out of reach of children, there is a risk of suffocation.**

### Power source

• The TV should be operated only from a 220-240V AC, 50 Hz outlet.

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

### Positioning the TV

- For ventilation, please leave a clear space of at least 10cm all around the TV.
- **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.
- The mains plug is used to disconnect TV set from the mains and therefore it must remain readily accessible.
- **Do not** place the TV, furniture, etc. on the power cord or pinch the cord.
- Handle the power cord by the plug, **do not** unplug the TV by pulling the power 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.

## Safety Information

### Moisture and Water

- **Do not** use this TV in a humid or damp place (avoid bathrooms, the sink in the kitchen, etc).
- **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.



### 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).

### LCD Screen

- 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 in a fire.
- **Do not** dispose of batteries with normal household waste, take to a local recycling centre.




- **CAUTION:** Insert the batteries / rechargeable batteries in the correct polarity. Don't try to recharge non rechargeable batteries and under no circumstances throw them into fire. Danger of explosion. Do not use unequal batteries (old and new, Alkaline and carbon, etc.) simultaneously. If you will not use the device for a long time, remove the batteries and store the device in a dry and dust free place. Improper use of batteries may cause an explosion or leakage. If the batteries have leaked, use gloves and clean the appliance thoroughly with a dry cloth! Batteries should not be exposed to heat, such as sunshine, fire or the like.

## Safety Information

### Replacement Parts


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

### 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: 0845 604 0105**.

### Taking out of service and storing

Unplug the TV from the mains and pack the TV in an appropriate cardboard box. Remove the batteries from the remote control and pack the remote control to the TV set.

 **NOTE:** The TV set should be stored in a dry and dust-free room.

### Symbols in this Instruction Book

The following symbols are used in the Instruction Book as a marker for restrictions and precautions and safety instructions. Note such information for security reasons.

 **WARNING**


If you do not pay attention to such a marked warning, it can cause serious injury or death. Note these warnings strictly, in order to ensure a safe operation.

 **CAUTION**

Such a precaution is marked, you should take up or note, to avoid injury or property damage. Note these instructions strictly, in order to ensure a safe operation.

 **IMPORTANT**

Warnings on the appliance and restrictions are displayed like this. Read this information strictly in order to operate the system correctly and avoid damage.

 **NOTE:** Information about the operation and additional explanations are marked like this. To be aware of such information is recommended to ensure that the functions can be used optimally.

Technical experts are available 7 days a week

- **Simple help and advice on setting up your digital equipment (image).**
- **Guidance on connecting other devices to your television such as a DVD player, Sky, home cinema system or a games console.**
- **Order spare parts, including that lost remote control.**
- **Any other technical issues you may need assistance with.**

**Call us today: 0845 604 0105**

Local call rates applies\*

**Lines open 9am-8pm Monday to Saturday and 10am-4pm Sunday.**

\*Calls to Argos 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](http://www.bt.com/pricing) for details.

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

## Getting Started

### Notifications & Features & Accessories

#### Environmental Information

This television is designed to consume less energy to help save the environment. To reduce energy consumption, you should take the following steps:

If you set the Power Save Mode as **Eco**, the TV will switch to energy-saving mode. The Power Save Mode settings can be found in the 'Picture' section of the Main Menu. Note that some picture settings will be unavailable to be changed.

If **Picture Off** is selected, "Screen will be off in 3 seconds." message will be displayed. Select **PROCEED** and press **OK** to continue. The screen will be off immediately.

When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.

#### Standby Notifications

1. If the TV does not receive any input signal (e.g. from an aerial or HDMI source) for 5 minutes, the TV will go into standby. When you next switch-on, the following message will be displayed: "**Standby Cause No Signal**" Press **OK** to continue.
2. If the TV has been left on and not been operated for a while, the TV will go into standby. When you next switch-on, the following message will be displayed. "**Standby Cause No Operation**" Press **OK** to continue.

### Features

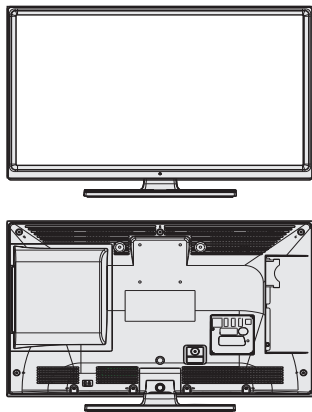
- Remote controlled colour LCD TV.
- Fully integrated digital TV (DVB-T)
- HDMI inputs are for connecting a device that has a HDMI socket.
- USB input.
- OSD menu system.
- Scart socket for external devices (such as DVD Players, PVR, video games, etc.)
- Stereo sound system.
- Teletext.
- Headphone connection.
- Automatic programming system.
- Manual tuning.
- Automatic power down after up to six hours.
- Sleep timer.
- Child lock.
- Automatic sound mute when no transmission.
- NTSC playback.
- AVL (Automatic Volume Limiting).
- PLL (Frequency Search).
- PC input.
- Plug&Play for Windows 98, ME, 2000, XP, Vista, Windows 7.
- Game Mode (Optional).

### Accessories Included

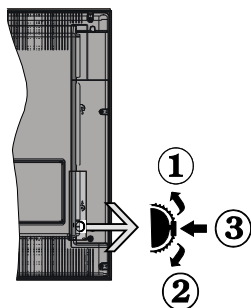
- Remote Control
- Batteries: 2 x AAA
- Instruction Book
- Quick Start Guide

## Getting Started

### Control Buttons on the TV



### TV Control Switch & Operation



1. Up direction
2. Down direction
3. Programme/Volume / AV / Standby-On selection switch

The Control button allows you to control the Volume/ Programme/ Source and Standby-On functions of the TV.

To change volume: Increase the volume by pushing the button up. Decrease the volume by pushing the button down.

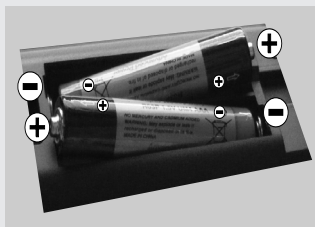
To change channel: Press the middle of the button, the channel information banner will appear on screen. Scroll through the stored channels by pushing the button up or down

To change source: Press the middle of the button twice, the source list will appear on screen. Scroll through the available sources by pushing the button up or down.

To turn the TV off: Press the middle of the button down and hold it down for a few seconds, the TV will turn into standby mode.

### Inserting the Batteries into the Remote

Lift the cover on the back of the remote upward gently. Install two **AAA** batteries. Make sure to match the + and - ends of the batteries in the battery compartment (observe the correct polarity) Replace the cover.



### Connect Power

**IMPORTANT:** The TV set is designed to operate on **220-240V AC, 50 Hz** socket. After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains. Plug the power cable to the mains socket outlet.

### Antenna Connection

Connect the "aerial" plug to the AERIAL INPUT (ANT) socket located on the back of the TV.





## Getting Started

### Notification

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



SRS TruSurround HD is a trademark of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, Inc.

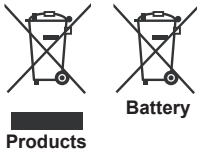


### Information for Users on Disposal of Old Equipment and Batteries

#### [European Union only]

These symbols indicate that equipment with these symbols should not be disposed of as general household waste. If you want to dispose of the product or battery, please consider the collection systems or facilities for appropriate recycling.

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

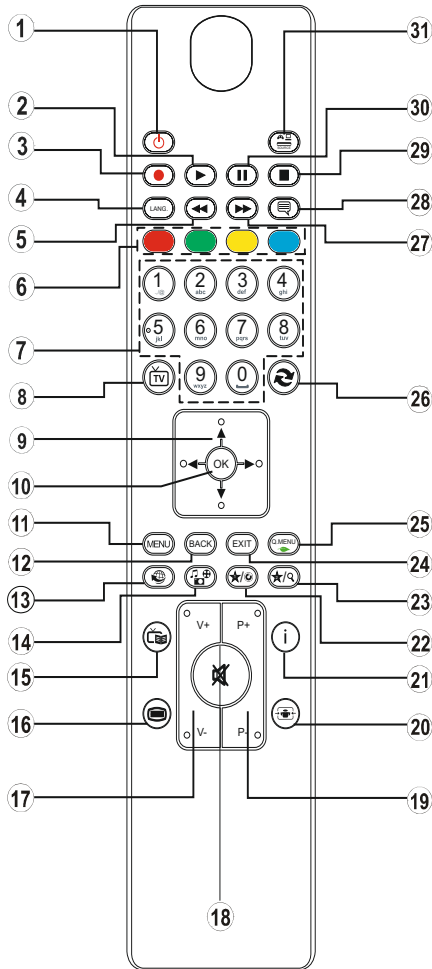


### Specification

TV Broadcasting	PAL B/G D/K K I/I'
Receiving Channels	VHF (BAND I/III) - UHF (BAND U) - HYPERBAND
Number of Preset Channels	1000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz.
Audio	SRS Trusurround HD
Audio Output Power (WRMS.) (10% THD)	2 x 2,5
Power Consumption	45 W
Weight	4,50
TV Dimensions DxLxH (with foot)	134 x 569 x 384
TV Dimensions DxLxH (without foot)	55 x 569 x 345
Operation temperature and operation humidity:	5°C up to 45°C, 85% humidity max
VESA	75 x 75 mm / M4
Display	16:9 display, 61 cm / 24" Screen Size

# Getting Started

## Remote Control



### Digital Teletext

Press button to view digital teletext information. Operate it with the coloured buttons, cursor buttons and the **OK** button. The operation method may differ depending on the contents of the digital teletext. Follow the instructions displayed on the digital teletext screen. When the button is pressed again, the TV returns to television broadcast.

1. Standby
2. Play
3. No function
4. Current language select
5. Rapid reverse
6. Colored buttons
7. Numeric buttons
8. Channel list
9. Navigation buttons
10. OK /Select
11. Menu on / off
12. Back button / Index page (in TXT mode)
13. No function
14. Media browser
15. Electronic Programme Guide
16. Teletext
17. Volume up / down
18. Mute button
19. Programme up / down
20. Screen mod
21. Info / Reveal (in TXT mode)
22. My button 1
23. My button 2
24. Exit
25. Q. Menu
26. Channel swap
27. Rapid advance
28. Subtitle on / off
29. Stop
30. Pause
31. AV / Source

### Using My button 1

Press MY BUTTON 1 for five seconds when on a desired source, channel or link, until the "MY BUTTON IS SET" message is displayed on the screen. This confirms that the selected MY BUTTON is now associated with the selected function.

### Using My button 2

Press MY BUTTON 2 for five seconds when on a desired source, channel or link, until the "MY BUTTON IS SET" message is displayed on the screen. This confirms that the selected MY BUTTON is now associated with the selected function.

## Getting Started

### Attaching the Stand

1. Stand is placed on a flat surface (fig.1).

2. The product is held over the stand so that it coincides with the stand mounting point and then it is left to be mounted with its own weight (fig.2).

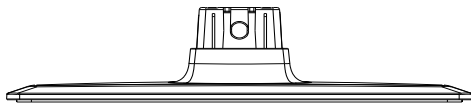


fig.1

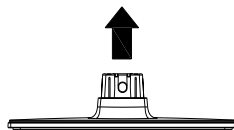
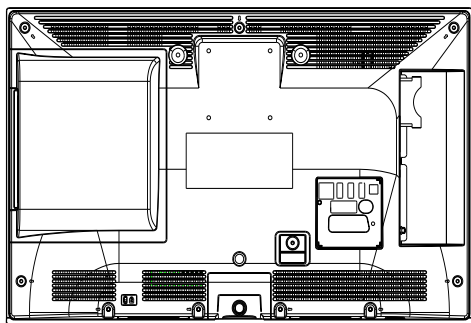

































fig.2

# Getting Started

## Connections

Connector	Type	Cables	Device
	<b>Scart Connection (back)</b>		
	<b>VGA Connection (back)</b>		
<b>SIDE AV</b> 	<b>PC/YPbPr Audio Connection (side)</b>	 PC Audio Cable (Not supplied)	
	<b>HDMI Connection (back)</b>		
 <b>SPDIF</b>	<b>SPDIF Connection (back)</b>		
<b>SIDE AV</b> 	<b>Side AV Connection (side)</b>	 AV Cable (Not supplied)	
<b>HEADPHONE</b> 	<b>Headphone Connection (side)</b>		
<b>PC to YPbPr</b> 	<b>YPbPr Video Connection (side)</b>	 PC to YPbPr Connection Cable (Not supplied)	
<b>USB</b> 	<b>USB Connection (side)</b>		
	<b>CI Connection (side)</b>		

 **NOTE:** When connecting a device via the YPbPr or Side AV input, you must use the supplied connection cables to enable connection. See the illustrations above. | To enable PC audio, you will need to use the SIDE AV CONNECTION cable's WHITE & RED inputs. | If an external device is connected via the SCART socket, the TV will automatically switch to AV mode. | When receiving DTV channels (Mpeg4 H.264) or while in Media Browser mode, output will not be available via the scart socket. | When using the wall mounting kit (optional), we recommend that you plug all your cables into the back of the TV before mounting on the wall. | Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings.

## Getting Started


### First Time Installation - USB Connections

#### Switching On/Off

##### To Switch the TV On


Connect the power cord to the 220-240V AC, 50 Hz.

To switch on the TV from standby mode either:

Press the “” button, **P+ / P-** or a numeric button on the remote control.

Press the side function switch until the TV comes on from standby.

##### To Switch the TV Off

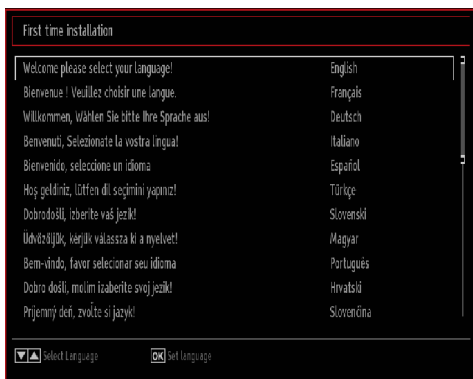
Press the “” button on the remote control or press the side function switch until the TV switches into standby mode.

##### To power down the TV completely, unplug the power cord from the mains socket.

**Note:** When the TV is switched to standby mode, the standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active. The LED can also blink when you switch on the TV from standby mode.

#### First Time Installation

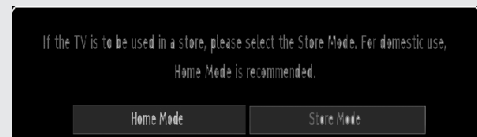
When turned on for the first time, the language selection screen is displayed. Select the desired language and press OK.



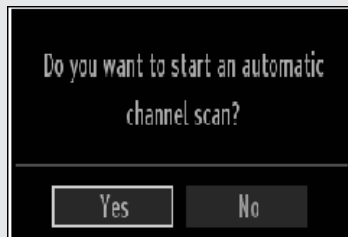
The First Time Installation (FTI) screen will be displayed next. Set your preferences using the navigation buttons and when finished, press OK to continue.



You can activate **Store mode (optional)** option to be available in “Other settings” menu and your TV’s features will be illustrated on the top of the screen. A confirmation screen will be displayed. Select **YES** to proceed.




If Home Mode is selected, Store mode will not be available after the First Time Installation. Press **OK** button to continue.



Select Yes, and the television will search for digital terrestrial TV broadcasts.

## Getting Started



 **NOTE:** You can press **MENU** button to cancel.

After all the available stations are stored, the Channel List will be displayed on the screen. If you are satisfied with the order of channels press the **OK** button to quit the channel list and watch TV.

Note:

**Default PIN code can change depending on the selected country.**

If you are asked to enter a PIN code for viewing a menu option, use one of the following codes: **4725**, **0000** or **1234**.

### Media Playback via USB Input

You can connect a 2.5" and 3.5" inch (hdd with external power supply) external hard disk drives or USB memory stick to your TV by using the USB inputs of the TV.






**IMPORTANT!** Back up your files before making any connections to the TV. Manufacturer will not be responsible for any file damage or data loss. Certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV.

While formatting a USB hard disk that has 1TB (Tera Byte) or more file capacity, you can experience problems with the formatting process. Do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and USB device itself. Do not pull out USB module while playing a file.

### Media Browser Menu

You can play photo, music, and movie files stored on a USB disk by connecting it to your TV. Connect a USB disk to one of the USB inputs located on the side of the TV. Pressing the **MENU** button while in the Media Browser mode will access the Picture, Sound and Settings menu options. Pressing the **MENU** button again will exit from this screen. You can set your Media Browser preferences by using the Settings Menu.

#### Loop/Shuffle Mode Operation

Start playback with  and activate 	TV plays next file and loop the list.
Start playback with <b>OK</b> and activate 	the same file will be played in a loop (repeat).
Start playback with <b>OK</b>  and activate 	the file will be played in a shuffle.

### Quick Menu

Quick Settings menu allows you to access some options quickly. This menu includes Power Save Mode, Picture Mode, Equalizer Settings, Favourites and Sleep Timer options. Press **Q.MENU** button on the remote control to view quick menu. See the following chapters for the details of the listed features.

Picture Menu Contents	
<b>Mode</b>	You can change the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: <b>Cinema, Game, Dynamic</b> and <b>Natural</b> .
<b>Contrast</b>	Sets the lightness and darkness values of the screen.
<b>Brightness</b>	Sets the brightness value for the screen.
<b>Sharpness</b>	Sets the sharpness value for the objects displayed on the screen.
<b>Colour</b>	Sets the colour value, adjusting the colors.
<b>Power Save Mode</b>	To set the Power Save Mode as Eco, Picture Off and Disabled. (When the Mode is Dynamic, Power Save mode is automatically set as disabled.)
<b>Backlight (Optional)</b>	This setting controls the backlight level. The backlight function will be inactive if the Power Save Mode is set to Eco. The backlight cannot be activated in VGA, Media Browser mode or while the picture mode is set to Game.
<b>Noise Reduction</b>	If the broadcast signal is weak and the picture is noisy, use the <b>Noise Reduction</b> setting to reduce the amount of noise.
Advanced Settings	
<b>Dynamic Contrast</b>	You can change the Dynamic Contrast ratio to desired value.
<b>Colour Temp</b>	Sets the desired colour tone.
<b>Picture Zoom</b>	Sets the desired picture size from picture zoom menu. <i>Note: Auto (Only available in Scart mode with SCART PIN8 high voltage/low voltage switching)</i>
<b>HDMI True Black</b>	While watching from HDMI source, this feature will be visible in the Picture Settings menu. You can use this feature to enhance blackness in the picture.
<b>Film Mode</b>	Films are recorded at a different number of frames per second to normal television programmes. Turn this feature on when you are watching films to see the fast motion scenes clearly.
<b>Skin Tone</b>	Skin tone can be changed between -5 and 5.
<b>Colour Shift</b>	Adjust the desired colour tone.
<b>RGB Gain</b>	You can configure the colour temperature values using the RGB Gain feature.
<b>Reset</b>	Resets the picture settings to factory default settings.(Except Game Mode)
<b>Autoposition (in PC mode)</b>	Automatically optimizes the display. Press OK to optimize.
<b>H Position (in PC mode)</b>	This item shifts the image horizontally to the right hand side or left hand side of the screen.
<b>V Position (in PC mode)</b>	This item shifts the image vertically towards the top or bottom of the screen.
<b>Dot Clock (in PC mode)</b>	Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.
<b>Phase (in PC mode)</b>	Depending on the resolution and scan frequency that you input to the TV set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.
<i>While in VGA (PC) mode, some items in Picture menu will be unavailable. Instead, VGA mode settings will be added to the Picture Settings while in PC mode.</i>	

Sound Menu Contents	
<b>Volume</b>	Adjusts the volume level.
<b>Equalizer</b>	Selects the equalizer mode. Custom settings can be made only when in user mode.
<b>Balance</b>	This setting is used for emphasizing left or right speaker balance.
<b>Headphone</b>	Sets headphone volume.
<b>Sound Mode</b>	You can select a sound mode. (If the selected channel supports).
<b>AVL (Automatic Volume Limiting)</b>	Function sets the sound to obtain fixed output level between programmes.
<b>SRS TruSurround HD</b>	Enables or disables the SRS TruSurround HD. When activated, some features in the Sound menu can not be altered.
<b>Digital Out</b>	Sets digital out audio type.
Settings Menu Contents	
<b>Conditional Access</b>	Controls conditional access modules when available.
<b>Language</b>	Configures language settings (may change depending on the country selected) Preferred and current settings will be available. Current settings can be changed only if the broadcaster supports.
<b>Parental</b>	Enter correct password to change parental settings. You can easily adjust menu lock in this menu. You can also set new pin number.
<b>Timers</b>	Sets sleep timer to turn off the TV after a certain time. Sets timers for selected programmes.
<b>Date/Time</b>	Sets date and time.
<b>Sources</b>	Enables or disables selected source options.
Other Settings: Displays other setting options of the TV set:	
<b>Menu Timeout</b>	Changes timeout duration for menu screens.
<b>Scan Encrypted Channels</b>	When this setting is on, the search process will locate the encrypted channels as well.
<b>Blue Background</b>	Activates or deactivates the blue background system when the signal is weak or absent.
<b>Software Upgrade</b>	To ensure that your TV always has the most up to date firmware.
<b>Application Version</b>	Displays application version.
<b>Hard of Hearing</b>	Enables any special feature sent from the broadcaster.
<b>Audio Description</b>	Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. You can use this feature, only if the broadcaster supports that additional narration track. <i>Note: Audio description sound feature cannot be available in recording or time shifting mode.</i>
<b>Auto TV Off</b>	You can set the timeout value of auto off feature. When the timeout value is reached and the TV has not been operated for a selected time, the TV will go into standby mode.
<b>Standby Search (Optional)</b>	If the Standby Search is set to On, when the TV is in standby mode, available broadcasts will be searched. If the TV locates any new or missing broadcasts, a menu screen will be displayed, asking you whether or not to execute these changes. Channel list will be updated and changed after this process.
<b>Store Mode (Optional)</b>	If you are displaying the TV in a store, you can activate this mode. Whilst Store Mode is enabled, some items in the TV menu may not be available.



## TV Menu Features and Functions

<b>Power Up Mode</b>	This setting configures the power up mode preference.
<b>Install and Retune Menu Contents</b>	
<b>Automatic Channel Scan (Retune) (If available)</b>	Displays automatic tuning options. Digital Aerial: Searches and stores aerial DVB stations. Analogue: Searches and stores analogue stations. Digital Aerial & Analogue: Searches and stores aerial DVB and analogue stations.
<b>Manual Channel Scan</b>	This feature can be used for direct broadcast entry.
<b>Network Channel Scan (optional)</b>	Searches for the linked channels in the broadcast system.
<b>Analogue Fine Tune</b>	You can use this setting for fine tuning analogue channels. This feature is not available if no analogue channels are stored.
<b>First Time Installation</b>	Deletes all stored channels and settings, resets TV to factory settings.

## General TV Operation

### Using the Channel List

The TV sorts all stored stations in the Channel List. You can edit this channel list, set favourites or set active stations to be listed by using the Channel List options.

### Configuring Parental Settings

*To prohibit viewing of certain programmes, channels and menus can be locked by using the parental control system.*


To display parental lock menu options, the PIN number should be entered. The factory default PIN number is **0000**. After coding the correct PIN number, parental settings menu will be displayed.

**Menu Lock:** Menu lock setting enables or disables the menu access.

**Child Lock (Optional):** When Child Lock is set, the TV can only be controlled by the remote control. In this case the control panel buttons will not work.

**Set PIN:** Defines a new PIN number.

### Electronic Programme Guide (EPG)


Some, but not all channels send information about the current and next programmes. Press the  button to view the EPG menu.

**Red button (Prev Day):** Displays the programmes of previous day.

**Green button (Next day):** Displays the programmes of the next day.

**Yellow button (Zoom):** Expands programme information.

**Blue button (Filter):** Views filtering options.

**SUBTTL:** Press  button to view Select Genre menu. Using this feature, you can search the programme guide database in accordance with the genre. Info available in the programme guide will be searched and results matching your criteria will be listed.

**INFO:** Displays, in detailed, information on the programme selected.

**Numeric buttons (Jump):** Jumps to the preferred channel directly via numeric buttons.

**OK:** Displays programme options.

**Text (Search):** Displays "**Guide Search**" menu.

 (**Now**) : Shows the current programme.

## Software Upgrade

Your TV is capable of finding and updating automatically via the Aerial signal or over the Internet.

### Software upgrade search via user interface

Simply navigate on your main menu. Choose **Settings** and select **Other Settings** menu. In **Other Settings** menu navigate on to the **Software for Upgrade** item and press **OK** button to check for a new software upgrade.

**Note :** *Internet connection is needed. If an Internet connection is not available, try to upgrade via broadcast. If a new upgrade is found, it starts to download the upgrade. Press **OK** to continue with the reboot operation.*

### 3 AM search and upgrade mode

While the TV is connected to an aerial signal. If Automatic scanning in the Upgrade Options menu is enabled, the TV wakes up at 03:00 and searches broadcast channels for new software upgrades. If new software is found and downloaded successfully, the next time the TV powers up, it will have the new software version.

**Note:** *If the TV fails to come on after the upgrade unplug the TV for 2 minutes and plug in again.*

## Troubleshooting & Tips

### Tv will not turn on

Make sure the power cord is plugged in securely to wall outlet. The batteries in the remote control may be exhausted. Press the Power button on the TV.

### Poor picture

- Have you selected the correct TV system?
- Low signal level can cause picture distortion. Please check antenna access.
- Check if you have entered the correct channel frequency if you have done manual tuning.
- 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

- 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.
- Is the antenna connected properly?
- Is the antenna cable damaged?
- Are suitable plugs used to connect the antenna?
- If you are in doubt, consult your dealer.

### No sound

- Has the TV been set to mute? To cancel mute, press the "M" button, or increase the volume level.

- Sound is coming from only one speaker. Is the balance set to one extreme? See Sound Menu section.

### Remote control - does not operate

- The batteries may be exhausted. Replace the batteries.

### Input sources - can not be selected

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

## To Program Your SKY Remote For Your TV

1. Make sure your SKY box is connected to your TV
2. Turn your TV and SKY box on
3. Press TV on your SKY remote control handset
4. Hold down SELECT and the RED button together for about two seconds, until the red light on the SKY remote blinks twice.
5. Key in 065 on your SKY remote. The light on the SKY remote should blink twice
6. Press the STANDBY button on your SKY remote control. Your TV should now switch off.
7. Press SELECT again. The light on your SKY remote control should now blink twice

You should now be able to control some basic functions on your TV from your SKY remote control (e.g. volume up/down, programme up/down).

## PC Input Typical Display Modes

The following table is an illustration of some of the typical video display modes. Your TV may not support all resolutions. Your TV supports up to 1920x1080.

Index	Resolution	Frequency
1	1024x768	60 Hz
2	1280x768	60 Hz
3	1360x768	60 Hz
4	800x600	56 Hz
5	800x600	60 Hz
6	1024x768	60 Hz
7	1024x768	66 Hz
8	1280x768	60 Hz
9	1360x768	60 Hz
10	1280x1024	60 Hz
11	1280x960	60 Hz
12	1280x1024	60 Hz
13	1400x1050	60 Hz
14	1600x1200	60 Hz
15	1920x1080	60 Hz

## AV and HDMI Signal Compatibility

Source	Supported Signals	Available	
EXT (SCART)	PAL 50/60	O	
	NTSC 60	O	
	RGB 50	O	
	RGB 60	O	
Side AV	PAL 50/60	O	
	NTSC 60	O	
PC/ YPbPr	480I, 480P	60Hz	O
	576I, 576P	50Hz	O
	720P	50Hz,60Hz	O
	1080I	50Hz,60Hz	O
	1080P	50Hz,60Hz	O
HDMI1	480I	60Hz	O
	480P	60Hz	O
	576I, 576P	50Hz	O
	720P	50Hz,60Hz	O
	1080I	50Hz,60Hz	O
	1080P	24Hz, 25Hz 30Hz, 50Hz, 60Hz	O

(X: Not Available, O: Available)

In some cases a signal on the LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc. ). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

## Supported File Formats for USB Mode

Media	File Extension	Format		Remarks
		Video	Audio	(Maximum resolution/Bit rate etc.)
Movie	mpg, mpeg	MPEG1, MPEG2		MPEG1: 768x576 @30P MPEG2:1920x1080 @ 30P
	vob	MPEG2		1920x1080 @ 30P
	mkv	MPEG1, MPEG2		MPEG1:768x576 MPEG2:1920x1080 @ 30P
	avi	MPEG2		1920x1080 @ 30P
Music	.mp3	-	MPEG 1 Layer 1 / 2 (MP3)	32Kbps ~ 320Kbps(Bit rate) 32K, 44.1k, 48k Hz,16K, 22.05K, 24K Hz,8K, 11.025K, 12K Hz(Sampling rate)
Photo	.jpg .jpeg	Baseline JPEG	-	max WxH = 17000x10000 4147200bytes
	.	Progressive JPEG	-	max WxH = 4000x4000 3840000bytes
	.bmp	-	-	max WxH = 5760x4096 3840000bytes
Subtitle	.sub .srt	-	-	-

## Other 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'

Green & Yellow – Earth 'E'

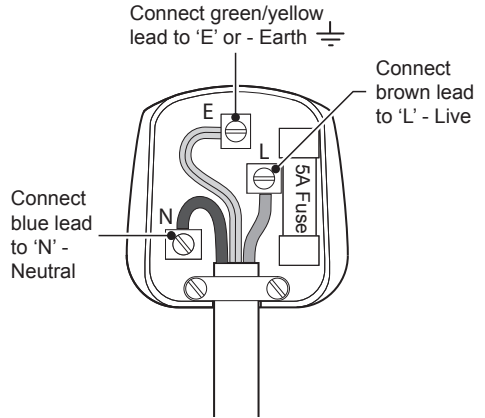
As the colours of the wires in the power cable may not correspond with the coloured markings identifying the terminals in your plug, and proceed as follows:

The green & yellow wire must be connected to the terminal in the plug that is marked with the letter E or by the earth symbol.

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.



# DVD Mode

## Safety Information

### CAUTION

DVD Player is a class 1 laser product. However this product uses a visible laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.

**CLASS 1  
LASER PRODUCT**

### RISK OF ELECTRIC SHOCK

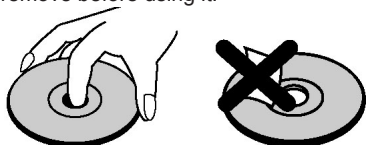
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

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.

### Notes on Discs

#### On handling discs

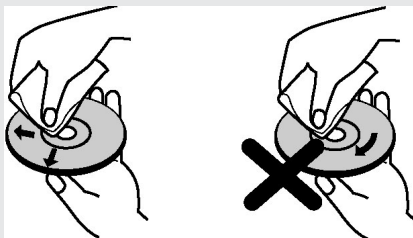
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue remove before using it.



- 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.

## On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



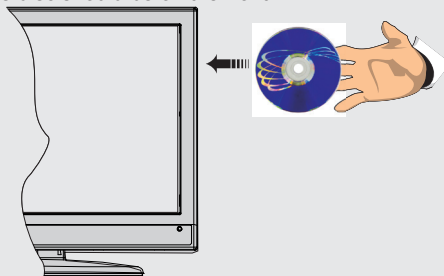
- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

### Licence Notification

- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering and disassembly are prohibited.

### How to Watch a DVD

When placing a disc into the loader, labeled side of the disc should be on the front:



When TV set is turned on, first switch to DVD source by using the **SOURCE** button on the remote control. Press play on the remote control, or directly press play button at the front panel. If there is no disc inside the loader, place a DVD first and press play.

**Note:** If you switch to another source by pressing **SOURCE**, **SWAP** or **P+/P-** buttons on the remote control, DVD playback will be paused automatically. You should press **PLAY** and resume the playback manually when you switch to DVD mode.

## DVD Control Panel Buttons

### A. Disc loader

### B. Play / Pause

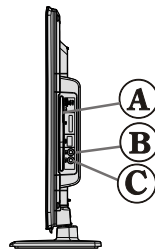
Plays/pauses the disc. When DVD menu (root menu) is active, this button functions as "button select" (selects the highlighted item in menu) if this is not prohibited by the disc.

### C. Stop / Eject

Stop playing disc / Eject or Load the disc Note:

- You cannot eject the disc via the remote control.

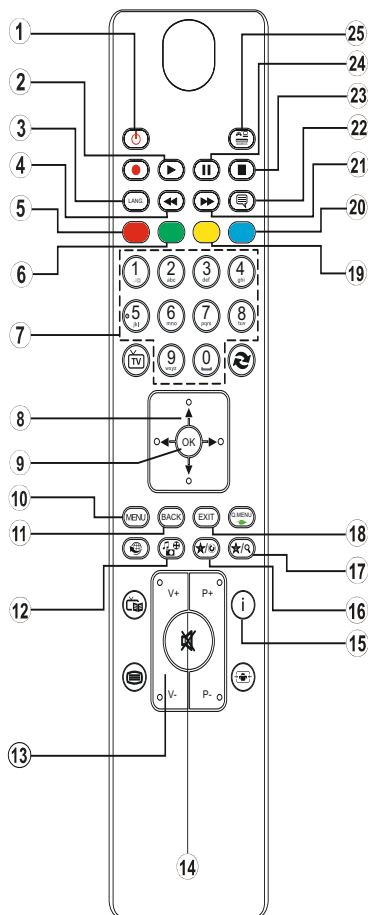
While playing a file, you should press STOP button three times to eject.



## Overview of the Remote Control










- Standby
- Play
- No function
- Language selection (Set language)
- Zoom
- Repeat
- Numeric buttons
- Navigation buttons
- OK
- Menu
- Return
- Angle
- volume up / down
- Mute
- Info
- My button 1 / Display time / DVD menu
- My button 2 / Search mode
- Exit
- Root
- Title
- Rapid advance
- Subtitle
- Stop
- Pause
- AV / Source selection

**Note:** Buttons not indicated with a number are not functional in DVD mode.


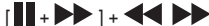





## General Operation

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

Buttons on the Remote Control	DVD Playback	Movie Playback	Picture Playback	Music Playback
	Play	Play	Play	Play
	Pause	Pause	Pause	Pause
	Stop	Stop	Stop	Stop
	Skip backward/ forward	Skip backward/ forward	Rotate	Skip backward/forward
	Highlights a menu item / Shifts the zoomed picture up or down (if available).			
	Fast reverse / Fast forward			
	Views the scene from different angles (if available)	Changes slide effect (depends on the content)		X
<b>MY BUTTON1</b>	Displays time / Views main setup menu			
<b>i</b>	Time counter mode selection (during playback). Press repeatedly to switch between modes.			
<b>LANG.</b>	Audio language.	X		X
<b>MENU</b>	Displays TV menu.			
<b>OK / SELECT</b>	Enter / View / Play			
<b>GREEN</b>	Displays repeat options.			
<b>RETURN</b>	Returns back to the previous menu (if available).			
<b>YELLOW</b>	Goes back to the root folder (if available).			
<b>MY BUTTON2</b>	Direct selection of scenes or time.	Selects the desired file.		Selects the desired file.
	Subtitle on-off. Press repeatedly to switch between subtitle options.		X	X
	Media source selection.			
<b>BLUE</b>	Displays disc menu (if available).	Displays disc menu (if available).	X	X
<b>RED</b>	Zooms picture. Press repeatedly to switch between zoom options.			

## Other Functions – Button Combinations (During playback)

	Slow forward.
	Sets slow forward speed.
	Sets fast forward speed.
	Sets fast reverse speed.
	Confirms stop command.

(\*) You can switch to title by pressing numeric keys directly. You need to press 0 and then digit key to switch one digit titles (example: to select 5, press 0 and 5).

## General Playback

### Basic Play

1. Press on the power button
2. Please insert a disc to the loader.

The disc will be automatically loaded and play commences if the disc does not have any menus recorded on it.


A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the Film Company. This behaviour depends on the disc content and may change.

**Note:** Step 3 and 4 is available only when a menu is recorded on the disc.

3. Press "▼" / "▲" / ◀ / ▶ or the number button (s) to select the preferred title.
4. Press OK.

Play of the selected items now starts. The played item may be a motion picture, a still picture or another submenu depending on the disc.


### For your reference:

If an action corresponding to a button is prohibited the  symbol appears.

### Notes on Playback:

1. No sound will be heard during Rapid advance or Rapid reverse.
2. No sound will be heard during Slow motion play.
3. Reverse slow motion play is not available.
4. In some cases, the subtitle language is not changed immediately to the selected one.
5. When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.
6. When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.
7. If a language is selected, not supported by the disc, the subtitle language will automatically be set to the disc's priority language.
8. Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing this button a number of times until "Subtitle Off" appears on the screen.
9. When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.
10. Some DVDs may not contain root and/or title menus.
11. Reverse stepping is not available.

12. For your convenience:

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 up-left corner of screen.

13. Slide Show is disabled when the ZOOM mode is on.

## DVD Troubleshooting

### The picture quality is poor (DVD)

- Make sure the DVD disc surface is not damaged. (Scratch, fingerprint etc.)
- Clean the DVD disc and try again.

See instructions described in "Notes on Discs" to clean your disc properly.

- Ensure that the DVD disc is in the drawer with the label uppermost.
- A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by to dry the equipment.

### Disc does not play

- No disc in the machine. *Place a disc into the loader.*
- Disc incorrectly loaded.

Ensure that the DVD disc is in the drawer with the label uppermost.

- Wrong type of disc. The machine cannot play CD-ROMS etc. • The region code of the DVD must match the player.

### Wrong OSD language

- Select the language in the set-up menu.
- The language for the sound or subtitles on a DVD cannot be changed.
- Multilingual sound and/or subtitles not recorded on the DVD.
- 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
- These functions are not available on the DVD.

### No picture

- Have you pressed the correct buttons on the remote control? Try once more.

### No sound

- Check the volume is set to an audible level.
- Make sure you have not switched the sound off accidentally.

### Distorted sound

- Check that the appropriate listening mode setting is correct.

### If nothing works

If you have tried the above solutions and none seem to work, try switching your TV-DVD off and on again. If this does not work, contact your supplier or TV-DVD repair technician. Never attempt to repair a defective TV-DVD yourself.



Technical experts are available 7 days a week

- **Simple help and advice on setting up your digital equipment (image).**
- **Guidance on connecting other devices to your television such as a DVD player, Sky, home cinema system or a games console.**
- **Order spare parts, including that lost remote control.**
- **Any other technical issues you may need assistance with.**

**Call us today: 0845 604 0105**

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**Lines open 9am-8pm Monday to Saturday and 10am-4pm Sunday.**

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# Product Guarantee

This product is guaranteed against manufacturing defects for a period of



This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you 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 this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalidated if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.
- In the event of a problem with the product within the guarantee period call the **Customer Helpline: 0044 845 604 0105**.

Guarantor: Argos Ltd  
489 - 499 Avebury Boulevard  
Central Milton Keynes  
MK9 2NW

<b>A</b>	<b>Product Fiche</b>		
<b>B</b>	<b>Comercial Brand: BUSH</b>		
<b>C</b>	<b>Product No.</b>	10084816	
<b>D</b>	<b>Model No.</b>	LED24127FHDDVDW	
<b>E</b>	<b>Energy efficiency class</b>	A	
<b>F</b>	<b>Visible screen size (diagonal, approx.) (inch/cm)</b>	24 inches	61 cm
<b>G</b>	<b>On mode average power consumption (Watt)</b>	25	
<b>H</b>	<b>Annual energy consumption (kWh/annum)</b>	36	
<b>I</b>	<b>Standby power consumption (Watt)</b>	0,5	
<b>J</b>	<b>Off mode power consumption (Watt)</b>	0	
<b>K</b>	<b>Display resolution (px)</b>	1920 x 1080	

**Home Retail Group**

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