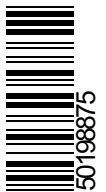


# Technika

## OPERATING INSTRUCTIONS

**42-8533D**

**COLOUR TELEVISION WITH REMOTE CONTROL**



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## Features

- 3D Viewing: This product supports the 3D viewing function via an available broadcast or via HDMI, PC, YPBPR source.
- Remote controlled colour LCD TV.
- Fully integrated Terrestrial digital TV (DVB-T - MPEG2).
- HDMI connectors for digital video and audio. This connection is also designed to accept high definition signals.
- USB input.
- 1000 programmes (analogue+digital).
- OSD menu system.
- Integrated tuner DVB-T, MPEG2 compatible.
- Scart socket for external devices (such as video, video games, audio set, etc.).
- Stereo sound system. (German+Nicam)
- Teletext, fasttext, TOP text.
- Headphone connection.
- Automatic programming system.
- Forward or backward manual tuning.
- Sleep timer / Child lock.
- Automatic sound mute when no transmission.
- NTSC playback.
- AVL (Automatic Volume Limiting).
- Auto power down.
- PLL (Frequency Search).
- PC input.
- Plug&Play for Windows 98, Windows 7, ME, 2000, XP, Vista.
- Game Mode

## Introduction

Please read the corresponding instructions of this handbook prior to the first usage of the device, even when the usage of electronic devices is familiar to you. Notice especially the chapter SAFETY PRECAUTIONS. Carefully keep the handbook as future reference. When selling the device or giving it away, absolutely give these direction for use.

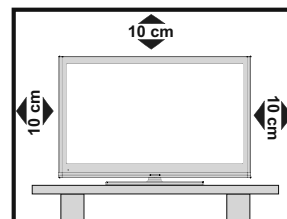
Thank you for choosing this product. This manual will guide you for the proper operation of your TV. Before operating the TV, please read this manual thoroughly. Please do keep this manual in a safe place for future references.

This device is intended to receive and display TV programs. The different connection options make an additional expansion of the reception and display sources possible (receiver, DVD player, DVD recorder,

VCR, PC etc.). This device is only suitable for the operation in dry interiors. 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.

## Preparation

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









### Licence Notification (optional)

Manufactured under license from Dolby Laboratories.

### TRADEMARK ACKNOWLEDGMENT

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

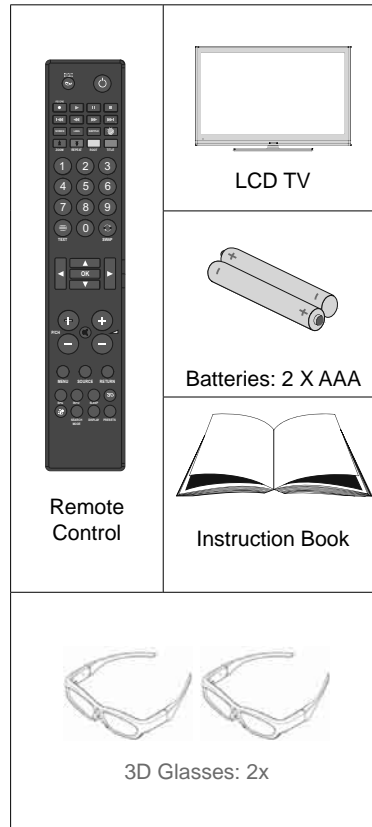


### Connection to a Television Distribution System (Cable TV etc.) from Tuner

Device connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing-and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard.

Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11).

## Package Contents



*Note: You should check the accessories after purchasing. Make sure that each accessory is included.*

*If you need additional pairs of 3D Glasses, please purchase them from your dealer.*

*Note: The HDMI connection between PC and TV may cause radio interference in which case it is recommended to use VGA(DSUB-15) connection.*





## Environmental Information

- This television is designed to consume less energy to save environment. You not only help to save the environment but also you can save money by reducing electricity bills thanks to the energy efficiency feature of this TV. To reduce energy consumption, you should take the following steps:
- You can use Power Save Mode setting, located in the **Other Settings** menu. If you set Power Save Mode as On, the TV will switch to energy-saving mode and luminance level of TV set will be decreased to optimum level. Note that some picture settings will be unavailable to be changed when the TV is in Power Save Mode.

Power Save Mode

Off

- When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.
- Disconnect power when going away for longer time.
- Note that annually, using the TV set in Power Save Mode has more power efficiency than disconnecting the TV from the mains plug instead of keeping stand-by mode. Therefore disconnect the TV from the mains plug to save energy when you do not use. However it is highly recommended to activate Power Save Mode setting to reduce your annual power consumption.
- Please help us to save environment by following these steps.

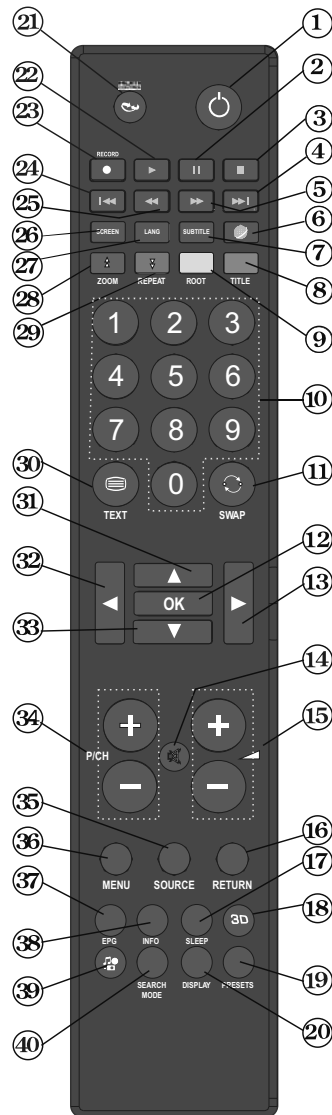
## Repair Information

Please refer all servicing to qualified personnel. Only qualified personnel must repair the TV. Please contact your local dealer, where you have purchased this TV for further information.







## Remote Control Buttons

1. Standby
2. Pause (in Media Browser mode)
3. Stop (in Media Browser mode)
4. No function
5. Rapid advance (in Media Browser mode)
6. No function
7. Subtitle on-off / TXT subtitle (analogue TV mode) / Subtitle (in Media Browser mode)
8. Blue button
9. Yellow button: Active channel list
10. Numeric buttons
11. Previous programme
12. OK / Select / Hold (in TXT mode) / Channel List
13. Cursor right
14. Mute
15. Volume up / down
16. Exit / Return / Index page (in TXT mode)
17. Sleep timer
18. 3D Settings
19. Picture mode selection / Changes picture mode (in Media Browser video mode)
20. Exit USB menu
21. No function
22. Play (in Media Browser mode)
23. No function
24. No function
25. Rapid reverse (in Media Browser mode)
26. Image size
27. Mono/Stereo - Dual I-II / Current Language
28. Red button / Zooms videos (in Media Browser video mode)
29. Green button
30. Teletext / Mix
31. Cursor up
32. Cursor left
33. Cursor down
34. Programme Down - Page up / Programme Up - Page down
35. AV / Source
36. Menu on/off
37. Electronic Programme Guide
38. Info / Reveal (in TXT mode)
39. Media Browser (optional)
40. No function



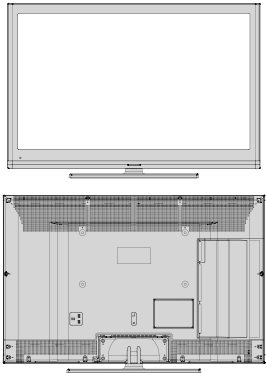
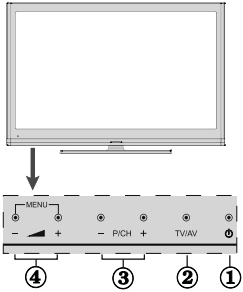




These buttons change according to the model:

-  /Media Browser(optional)
-  /No function (optional)
-  /Web Browser(optional)
-  /Pip/ Pip function(optional)

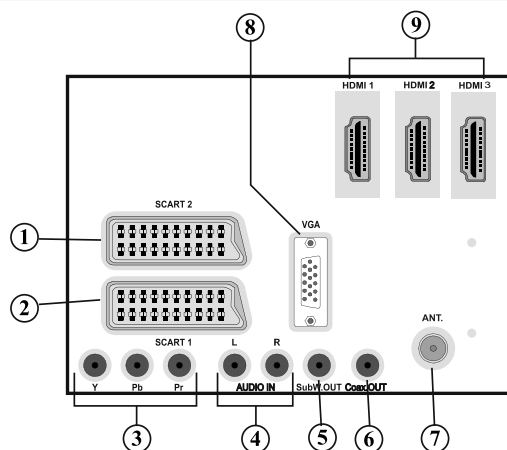
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## LCD TV and Operating Buttons

| FRONT and REAR VIEW                                                               | Control buttons VIEW                                                              | Control Buttons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>1. Standby/On button<br/>                 2. TV/AV button<br/>                 3. Programme Up/Down buttons<br/>                 4. Volume Up/Down buttons</p> <p><b>Note:</b> Press “ ” and   buttons at the same time to view main menu.</p> |

## Viewing the Back side Connections



- SCART 2** inputs or outputs for external devices.
- SCART 1** input or output for external devices. Connect the SCART cable between SCART socket on TV and SCART socket on your external device (such as a decoder, a VCR or a DVD player).  
**Note:** If an external device is connected via the SCART socket, the TV will automatically switch to AV mode.  
**Note:** To connect external device, please use to supplied scart connection cable.
- Component Video Inputs (YPbPr)** are used for connecting component video. You can connect the component video and audio sockets with a device that has component output. Connect the component video cables between the **COMPONENT VIDEO INPUTS** on on the TV and the component video outputs of your device. While connecting, be sure that the letters on your TV, “**Y**”, “**Pb**”, “**Pr**” correspond with your device’s connectors.
- PC/YPbPr Audio Inputs** are used for connecting audio signals of a PC or a device that connects to the TV via YPbPr. Connect the PC audio cable between the **AUDIO INPUTS** on the TV and audio output of your PC to enable PC audio. Connect the audio cable between **AUDIO INPUTS** on the TV and audio outputs of your device to enable component audio.
- Subwoofer Out** is for connecting an external, active subwoofer to the set to give a much deeper bass effect. Use an appropriate RCA cable to connect the TV set to a subwoofer unit.

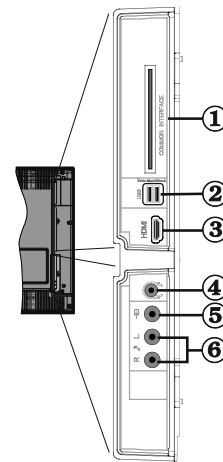
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6. **S/PDIF Coaxial Out** outputs digital audio signals of the currently watched source. Use an **SPDIF coaxial cable** to transfer audio signals to a device that has S/PDIF input
7. **RF Input** connects to an aerial antenna system.  
Note that if you use a decoder or a media recorder, you should connect the aerial cable through the device to the television with an appropriate antenna cable, as shown in the illustration in the following pages.
8. **PC Input** is for connecting a personal computer to the TV set.  
Connect the PC cable between the **PC INPUT** on the TV and the PC output on your PC
9. **HDMI Inputs** are for connecting a device that has an **HDMI** socket. Your LCD TV is capable of displaying 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. These sockets can accept either 720p or 1080p signals. No sound connection is needed for an HDMI to HDMI connection.

### Viewing the Connections - Side Connectors

1. CI Slot is used for inserting a CI card. A CI card allows you to view all the channels that you subscribe to. For more information, see "Conditional Access" section.
2. Side USBs
3. HDMI Input
4. Headphone jack is used for connecting an external headphone to the system. Connect to the HEADPHONE jack to listen to the TV from headphones (optional).
5. Video Input is used for connecting video signals of external devices. Connect the video cable between the VIDEO IN socket on the TV and the VIDEO OUT jack on your device.
6. Audio Inputs are used for connecting audio signals of external devices. Connect the audio cable between the AUDIO INPUTS on the TV and the AUDIO OUTPUT jacks on your device.



*Note: If you connect a device to the TV via the VIDEO INPUT, you should also connect your device with an audio cable to the AUDIO INPUTS of the TV to enable audio.*

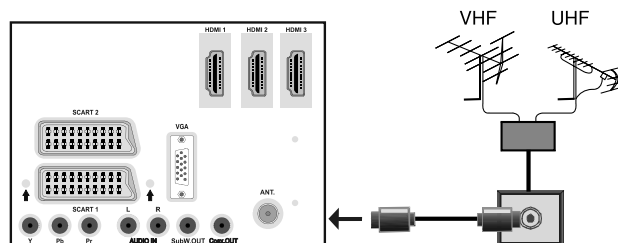
### Power Connection

**IMPORTANT:** The TV set is designed to operate on 220-240V AC, 50 Hz.

- 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.

### Aerial Connection

- Connect the aerial or cable TV plug to the AERIAL INPUT socket located at the rear of the TV.

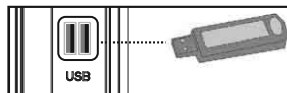


## Using Digital Multimedia Connectors

- You can connect USB devices to your TV by using the USB inputs of the TV. This feature allows you to display/play JPG, MP3 and video files stored in a USB stick.
- It is possible that certain types of USB devices (e.g. MP3 Players) may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss.
- Do not pull out USB module while playing a file.

**CAUTION: Quickly plugging and unplugging USB devices, is a very hazardous operation. Especially, do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and especially the USB device itself.**

SIDE VIEW      USB MEMORY



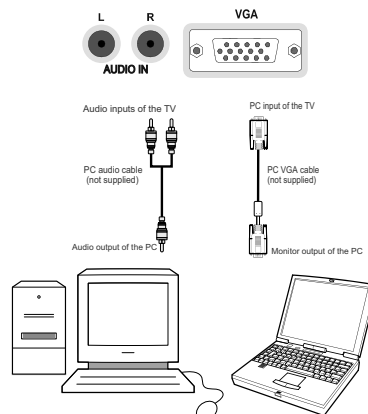
### USB Memory Connection

**IMPORTANT: The TV should be switched off while plugging or unplugging a USB device.** Plug your USB device to the USB inputs of the TV. You can connect two USB devices to your TV by using the USB inputs of the TV at the same time.

*Note: It is possible certain types of hard disk drives are not supported.*

## Connecting the LCD TV to a PC

For displaying your computer's screen image on your LCD TV, you can connect your computer to the TV set. Power off both computer and display before making any connections. Use 15-pin D-sub display cable to connect a PC to the LCD TV. When the connection is made, switch to PC source. See "Input selection" section. Set the resolution that suits your viewing requirements. Resolution information can be found in the appendix parts.



*Note: If you connect a PC to the TV using HDMI connection, radio interference may occur. Therefore this type of connection is not recommended. You should use VGA connection instead.*

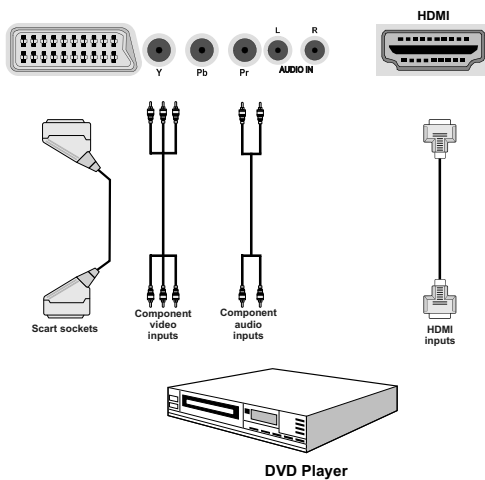
## Connecting to a DVD Player

If you want to connect a DVD player to your LCD TV, you can use connectors of the TV set. DVD players may have different connectors. Please refer to your DVD player's instruction book for additional information. Power off both the TV and the device before making any connections.

**Note:** Cables shown in the illustration are not supplied.

- If your DVD player has an HDMI socket, you can connect via HDMI. When you connect to DVD player as illustrated below, switch to HDMI source. See, "Input Selection" section.
- Most DVD players are connected through COMPONENT SOCKETS. Use a component video cable to connect video input. For enabling audio, use a component audio cable as illustrated below. When the connection is made, switch to YPbPr source. See, "Input selection" section.
- You may also connect through the SCART 1 or SCART 2. Use a SCART cable as shown below.

**Note:** These three methods of connection perform the same function but in different levels of quality. It is not necessary to connect by all three methods.



## Using Side AV Connectors

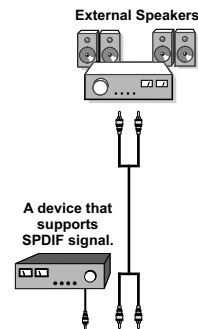
You can connect a range of optional equipment to your LCD TV.

- For connecting a camcorder, connect to the VIDEO IN socket and the AUDIO SOCKETS. Do not connect the camcorder to VIDEO IN socket at the same time since it can cause noise in the picture. For selecting the related source, see the section "Input selection" in the following parts.
- To listen the TV sound from headphones, connect to the HEADPHONE jack of the TV.

## Using Other Connectors

You can connect a range of optional equipment to your LCD TV. Possible connections are shown below. Note that cables shown in the illustration are not supplied.

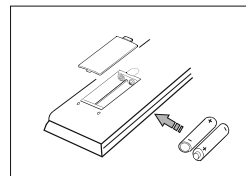
- For connecting a to a device that has SPDIF support, use an appropriate SPDIF cable to enable sound connection.



## Remote Control Handset

### Inserting Batteries

- Remove the battery cover located on the back of the handset by gently pulling backwards from the indicated part.
- Insert two AAA/R3 or equivalent type batteries inside. Observe the correct polarity (+/-) when inserting batteries and replace the battery cover.



**Note:** Remove the battery from remote control handset when it is not to be used for a long period. Otherwise it can be damaged due to any leakage of batteries. Remote range is approximately 7m/23ft.

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## Switching On/Off

### To Switch the TV On

- Connect the power cord to the 220-240V AC 50 Hz.
- Press STANDBY touch button. Then the standby LED lights up.
- To switch on the TV from standby mode either:
  - Press the "⏻" button, **P+** / **P-** or a numeric button on the remote control.
  - Press the **P/CH-** or **P/CH+** touch button on the TV. The TV will then switch on.

**Note:** If you switch on your TV via PROGRAMME UP/DOWN buttons on the remote control or on the TV set, the programme that you were watching last will be reselected.

By either method the TV will switch on.

### To Switch the TV Off

- Press the "⏻" button on the remote control or press the STANDBY touch button on the TV, so the TV will switch to 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, 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.

### Digital Teletext (\*\* for UK only)

- Press the "⏻" button.
- The digital teletext information appears.
- Operate it with the coloured buttons, cursor buttons and **OK** button.

The operation method may differ depending on the contents of the digital teletext.

Follow the instructions displayed on digital teletext screen.

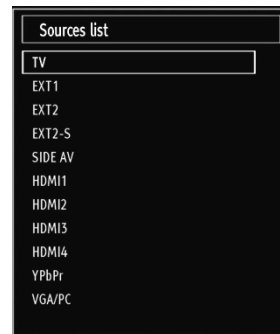
- When Press "**OK**" button or similar message appears on the screen, press the OK button.
- When the "⏻" button is pressed, the TV returns to television broadcasting.
- With digital terrestrial broadcasting (DVB-T), in addition to digital teletext broadcasting together with the normal broadcasting, there are also channels with just digital teletext broadcasting.
- The aspect ratio (picture shape) when watching a channel with just digital teletext broadcasting is the same as the aspect ratio of the picture viewed previously.
- When you press the "⏻" button again, the digital teletext screen will be displayed.

## Analogue Teletext

Use of teletext and its functions are identical to the analogue text system. Please do refer to the "TELETEXT" explanations.

## Input Selection

Once you have connected external systems to your TV, you can switch to different input sources. Press "**SOURCE**" button on your remote control consecutively for directly changing sources.



You can operate your TV using both the remote control and onset buttons.

## Operation with the Buttons on the TV

### Volume Setting

- Press "**-**" button to decrease volume or "**+**" button to increase volume, a volume level scale (slider) will be displayed on the screen.

### Programme Selection

- Press "**P/CH +**" button to select the next programme or "**P/CH -**" button to select the previous programme.

### Viewing Main Menu

- Press the "**-**" / "**+**" button at the same time to view main menu. In the Main menu select sub-menu using "**AV**" button and set the sub-menu using "**-**" or "**+**" buttons. To learn the usage of the menus, refer to the menu system sections.

### AV Mode

- Press the "**AV**" button in the control panel on the TV to switch between AV modes.

### Operation with the Remote Control

- The remote control of your TV is designed to control all the functions of the model you selected. The functions will be described in accordance with the menu system of your TV.

### Volume Setting

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

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### Programme Selection (Previous or Next Programme)

- Press “P/CH-” button to select the previous programme.
- Press “P/CH+” button to select the next programme.

### Programme Selection (Direct Access)

- Press numeric buttons on the remote control to select programmes between 0 and 9. The TV will switch to the selected programme. To select programmes between, press the numeric buttons consecutively. When the pressing time is due for the second numeric button, only the first digit programme will be displayed. Press directly the programme number to reselect single digit programmes.

## Viewing Electronic Programme Guide (EPG)

You can view the electronic programme guide (EPG) to view information about available programmes. To view the EPG menu please press EPG button on the remote control.

- Press “▼”/“▲” buttons to navigate through channels.
- Press “◀”/“▶” buttons to navigate through the programme list.
- EPG menu displays available information on all channels.
- Please note that event information is updated automatically. If there are no event information data available for channels, EPG will be displayed with blanks.



**OK (Options):** Displays programme options including “Select Channel” option.

**INFO (Event Details):** Displays the programmes in detail.

**Green button:** Programme schedule will be listed

**Yellow button:** Display EPG data in accordance with timeline schedule

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



**Red button (Prev Time Slice):** Displays the programmes of previous time slice.

**Green button (Next Time Slice):** Displays the programmes of the next time slice.

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

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

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

**OK (Options):** Displays programme options including “Select Channel” option.

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

**INFO (Details):** Displays the programmes in detail.



**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.

**INFO (Details):** Displays the programmes in detail.

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

**OK (Options):** Displays programme options including “Select Channel” option.

**Text (Search):** Displays “Guide Search” menu.



**SUBTTL:** Press **SUBTITLE** 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.

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

### First Time Installation

**IMPORTANT:** Ensure that the aerial is connected and a Common Interface module is not inserted before switching on the TV for the first time installation.

- When the TV is operated for the first time, installation wizard will guide you through the process. First, language selection screen will be displayed:

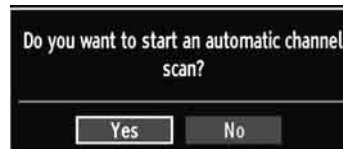


- Use “▼” or “▲” buttons to select your language and press **OK** button to set selected language and continue.
- After selecting the language, “Welcome!” screen will be displayed, requiring you to set **Country**, **Teletext Language** and **Scan Encrypted** options.



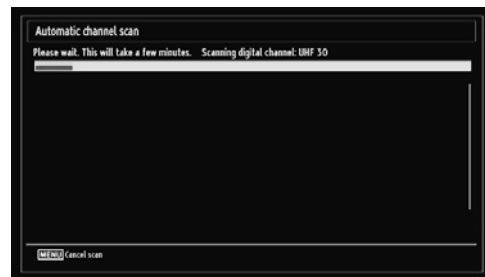
- By pressing “◀” or “▶” button, select the **country** you want to set and press “▼” button to highlight **Teletext Language** option. Use “◀” or “▶” button to select desired Teletext Language.
- Press “▼” button after setting Teletext Language option. **Scan Encrypted** will be then highlighted. You can set **Scan Encrypted** as **Yes** if you want to scan coded stations. Afterwards select the desired Teletext Language.

- Press **OK** button on the remote control to continue and the following message will be displayed on the screen:

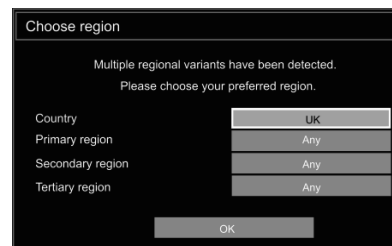


To select the “Yes” or “No” option, highlight the item by using “◀” or “▶” buttons and press **OK** button.

Afterwards, the following OSD will be displayed on the screen and the television will search for digital and analogue TV broadcasts.



Note: You can press “**MENU**” button to cancel.



End of the search process, **Choose Region** menu screen will be displayed (if any multiple region variants are detected). Please select country and region choice then press **OK** to continue.

- After all the available stations are stored, Channel List will be displayed on the screen. If you like the sort channels, according to the LCN (optional), please select “Yes” and then press **OK**.

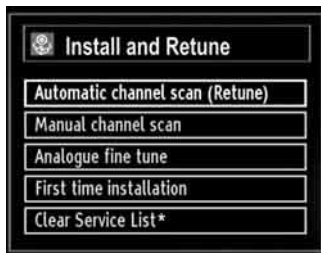


- Press **OK** button to quit channel list and watch TV.

## Auto Tuning

*HINT: Auto tuning feature will help you to retune the TV set in order to store new services or stations.*

Press "**MENU**" button on the remote control and select **Installation** by using "**◀**" or "**▶**" button. Press **OK** button and the following menu screen will be displayed.



Select **Automatic Channel Scan** by using "**▼**"/"**▲**" button and press **OK** button. **Automatic Channel Scan** options will be displayed. You can select **Digital Aerial**, **Analog** or **Digital Aerial-Analogue** tuning using "**▼**"/"**▲**" and **OK** buttons.

### Auto Channel Scan Menu Operation

**Digital:** Searches and stores aerial DVB stations.

**Analogue:** Searches and stores analog stations.

**Full:** Searches and stores both analog and aerial DVB stations.

- Whenever you select an automatic search type and press **OK** button, a confirmation screen will appear on the screen. To start installation process, select **Yes**, to cancel select **No** by using "**◀**" or "**▶**" and **OK** button.
- After auto channel scan type is set and selected and confirmed, installation process will start and progress bar will move along. Press "**MENU**" button to cancel process. In such a case, located channels are not stored.

## Manual Tuning

*HINT: This feature can be used for direct broadcast entry.*

- Select **Manual Channel Scan** from the Installation menu by using "**▼**"/"**▲**" and **OK** buttons. Manual Scan options screen will be displayed.
- Select the desired **Search Type** using "**◀**" or "**▶**" button. Manual search options will change accordingly. Use "**▼**"/"**▲**" button to highlight an item and then press "**◀**" or "**▶**" button to set an option. You can press "**MENU**" button to cancel.

### Digital Manual Search



In manual channel scan, the number of the multiplex or frequency are entered manually and only that multiplex or frequency are searched for the channels. After selecting search type as **Digital**, you can enter the multiplex or frequency number using the numeric buttons and press **OK** button to search.

### Analogue Manual Search



After selecting search type as analogue, you can use "**▼**"/"**▲**" button to highlight an item and then press "**◀**" or "**▶**" button to set an option.

Enter the channel number or frequency using the numeric buttons. You can then press **OK** button to search. When the channel is located, any new channels that are not on the list will be stored.

## Analog Fine Tune

- Select **Analog Fine Tune** from the Installation menu by using “◀” or “▶” and **OK** buttons. Analog fine tune screen will be displayed. Analog Fine Tune feature will not be available if there are no analog channels, digital channels and external sources stored.
- Press **OK** button to proceed. Use “◀” or “▶” button to set Fine Tune. When finished, press **OK** button again.

## Clear Service List (\*)

(\*) This setting is visible only when the Country option is set to Denmark, Sweden, Norway or Finland.

Use this setting to clear channels stored. Press “▼” or “▲” button to select Clear Service List and then press **OK**. The following OSD message will be displayed on the screen:



Press **OK** to cancel. Select Yes by pressing “◀” or “▶” button and press **OK** to delete all of the channels.

## Managing Stations: 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.

- Press “**MENU**” button to view main menu. Select Channel List item by using “◀” or “▶” button. Press **OK** to view menu contents.



Select **Edit Channel List** to manage all stored channels. Use “◀” or “▶” and **OK** buttons to select Edit Channel List.

## Operating the Channel List



- Press “▼” or “▲” button to select the channel that will be processed. Press “◀” or “▶” button to select a function on Channel List menu.
- Use **P/CH+** / **P/CH-** buttons to move page up or down.
- Press **BLUE** button to view filtering options.
- Press “**MENU**” button to exit.

## Moving a Channel

- First select the desired channel. Select Move option in the channel list and press **OK** button.
- Edit Number screen will be displayed. Enter the desired channel number by using the numeric buttons on the remote control. If there is a previously stored channel on that number, a warning screen will be displayed. Select Yes if you want to move the channel and press **OK**.
- Press **OK** button to process. Selected channel is now moved.

## Deleting a Channel

You can press **GREEN** button to tag/untag all channels; **YELLOW** button to tag/untag channel.

- Select the channel that you want to delete and select **Delete** option. Press **OK** button to continue.
- A warning screen will appear. Select **YES** to delete, select **No** to cancel. Press **OK** button to continue.

## Renaming a Channel

- Select the channel that you want to rename and select **Edit Name** option. Press **OK** button to continue.
- Pressing “◀” or “▶” button moves to the previous/next character. Pressing “▼” or “▲” button toggles the current character, i.e., ‘b’ character becomes ‘a’ by “▼” and ‘c’ by “▲”. Pressing the numeric buttons ‘0...9’ replaces the highlighted character with the characters printed above the button one by one as the button is pressed.
- When finished, press **OK** button to save. Press “**MENU**” to cancel.

## Locking a Channel

You can press **GREEN** button to tag/untag all channels; **YELLOW** button to tag/untag a single channel.

- Select the channel that you want to lock and select **Lock** option. Press **OK** button to continue.
- You will be asked to enter parental control PIN. Default PIN is set as **0000**. Enter the PIN number.



- Press **OK** button when the desired channel is highlighted to lock/unlock the channel. Lock symbol will be displayed next to the selected channel.

## Managing Stations: Favourites

You can create a list of favourite programmes.

- Press **"MENU"** button to view main menu. Select Channel List item by using **"◀"** or **"▶"** button. Press **OK** to view menu contents.
- Select **Favourites** to manage favourite list. Use **"▼"** / **"▲"** and **OK** buttons to select **Favourites**.
- You can set various channels as favourites so that only the favourite channels are navigated.



- Select a channel by using **"▼"** or **"▲"** button. Press **OK** button to add selected channel to favourites list. Press **OK** button again to remove.

## Button Functions

- **OK**: Add/remove a station.
- **YELLOW**: Tag/untag a channel.
- **GREEN**: Tag/untag all channels.
- **BLUE**: Displays filtering options.

## Managing Stations: Sorting Channel List

You can select broadcasts to be listed in the channel list. To display specific types of broadcast, you should use Active channel list setting.

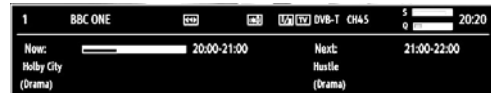
Select Active channel list from the Channel list menu by using **"▼"** / **"▲"** button. Press **OK** button to continue.



You can select a broadcast type option from the list by using **"▼"** / **"▲"** and **OK** buttons.

## On-Screen Information

You can press **"INFO"** button to display on-screen information. Details of the station and current programme will be displayed on the information banner.



The information banner gives information on the channel selected and the programmes on it. The name of the channel is displayed, along with its channel list number.

*Hint: Not all channels broadcast the programme data. If the name and time of the programme are not available, then information banner will be displayed with blanks.*

If the selected channel is locked, you must enter the correct four-digit numeric code to view the channel (default code is **0000**). **"Enter PIN"** will be displayed on the screen in such a case:

## Media Playback Using Media Browser

If the USB stick is not recognized after power off/on or First Time Installation, first, plug the USB device out and power off/on the TV set. Plug the USB device in again.

To display Media Browser window, press either "MENU" button on the remote control and then select Media Browser by pressing "◀" or "▶" button. Press OK button to continue. Media Browser menu options will be displayed.

**Also, when you plug USB devices, media browser screen will be displayed automatically:**



You can play music, picture and video files from the connected USB memory stick. Use "◀" or "▶" button to select Videos, Photos, Music or Settings.

You can connect two USB devices to your TV. If both USB devices include music, picture or video files, USB selection osd will be displayed on the screen. The first USB device connected to the TV will be named as USB Drive1.



Select a device by using "▼" or "▲" button and press OK.

## Viewing Videos via USB



When you select Videos from the main options, available video files will be filtered and listed on this screen. You can use "▼" or "▲" button to select a video file and press OK button to play a video. If you select a subtitle file and press OK button, you can select or deselect that subtitle file. The following menu will be displayed while playing a video file:



**Play (▶ button):** Starts the video playback.

**Stop (■ button):** Stops the video playback.

**Pause (|| button):** Pause the video playback.

**Rewind (◀◀ button):** Goes backward.

**Forward (▶▶ button):** Goes forward.

**Subtitle/Audio (LANG. button):** Sets subtitle/Audio.

**Jump (GREEN button):** Jumps to time. Use numeric buttons to type the desired time and press GREEN button again to proceed.

**Yellow:** Opens subtitle time correction menu



Press Yellow button to confirm.

Press (CLEAR) button for clear.

Press (BACK) button to switch back to previous menu.

**3D:** Press to view 3D Settings.

## Viewing Photos via USB

When you select Photos from the main options, available image files will be filtered and listed on this screen.



**0...9 (Jump) (Numeric buttons):** Jump to selected file using the numeric buttons.

**OK:** Views the selected picture in full screen.

**Slideshow (▶ button):** Starts the slideshow using all images.

**GREEN button:** Views images in thumbnails.

**RED button:** Sorts files by date.

**YELLOW button:** Toggles viewing style.

**BLUE button:** Changes media type.

### Slideshow Options



**Pause (|| button):** Pauses the slideshow.

**Continue (▶ button):** Continues the slideshow.

**Loop/Shuffle (GREEN button):** Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.

**Previous/Next (Left/Right buttons):** Jumps to previous or next file on slideshow.

**Rotate (Up/Down buttons):** Rotates the image using up/down buttons.

**RET/BACK:** Back to file list.

**INFO:** Displays help screen.

**3D:** Press to view 3D Settings.

## Playing Music Files via USB

When you select Music from the main options, available audio files will be filtered and listed on this screen.



**Play (▶ button):** Plays all media files starting with the selected one.

**Stop (■ button):** Stops playback.

**Pause (|| button):** Pauses the selected playback.

**Sort (RED button):** Sorts files by Title, Artist or Album.

**Loop/Shuffle (GREEN button):** Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.

**0..9 (Numeric buttons):** The TV will jump to the file starting with the letter you input via the numeric buttons on your remote control.

**Play This (OK button):** Plays the selected file.

**Previous/Next (Left/Right buttons):** Jumps to previous or next file to play.

**Toggle View Style (YELLOW button):** Changes viewing style.

**Change Media (BLUE button):** Changes media type.

*Note: If the Viewing Style is set to Folder in Media Browser Settings, Music folder will be displayed as sorted and there is no need to sort files again by pressing RED button.*

**INFO:** Changes filter options.

## Media Browser Settings



You can set your Media Browser preferences by using the Settings dialog. Press “▼” or “▲” button to highlight an item and use “◀” or “▶” button to set.

**View Style:** Sets default browsing mode.

**Slide Show Interval:** Sets slide show interval time.

**Show Subtitle:** Sets subtitle enabling preference.

**Subtitle Position:** Sets subtitle position as up or down.

**Subtitle Font Size:** Sets subtitle font size (max. 54pt).

## Using the 3D Mode

### IMPORTANT!

Read and understand the 3D mode safety precautions carefully for your safety before using the 3D function. Read and understand “3D Mode and 3D Images” precautions section on page 4.

- You must use 3D glasses parallel to your TV. The picture may not be visible or may look dark if you do not stay within the viewing angle.
- Use 3D glasses only when watching 3D picture with the correct angle. Remove the glasses in any other case. The picture may not be visible or may be dark if you look down or if you lie on your side while watching 3D picture using 3D glasses.
- 3D picture may not be visible or become distorted when watching under dense light conditions.
- You can enjoy viewing 3D images on your TV by wearing the supplied 3D Glasses. Note that this TV’s 3D feature works only with its specific 3D glasses.
- Connect a 3D compatible player via an HDMI cable and play the 3D content. Refer to the manual of the player for the settings of the player.
- Press **SOURCE** button and select the connected input.
- You should select suitable 3D Mode before viewing.
- To view 3D contents or programmes in 3D mode (3-Dimensional) you must wear the supplied 3D Glasses.

## 3D Mode

Press **3D** button to view 3D Settings menu directly.

- 3D feature enables you to view 3D content using the supplied 3D glasses.
- To enable and customize 3D mode on the TV, perform the following:
- Press **MENU** button on the remote control and select Picture by using “◀” or “▶” button. Press **OK** button to view **Picture Settings**.



- Select **3D Settings** option by using “▼” / “▲” button and press **OK**.



## 3D Settings

### Mode

You can customize 3D mode settings to provide best viewing experience. **Select one of these modes to experience 3D image viewing:**

**Auto:** Automatically switches to 3D mode if 3D information available in HDMI source.

**Side by Side:** Displays 3D content which is originally in a form of side by side.

**Top bottom:** Displays 3D content which is originally in a form of top and bottom.

**Off:** 3D function mode is turned off.

### 2D Only

If content is 3D but you want to watch it in 2D, you can switch to 2D only mode. There are 2 options (LEFT and RIGHT) to select which side of the content you want to watch in 2D.

*Note: This item is available when TV is in 3D mode.*

**Note:** If you select 3D modes, wear the supplied 3D glasses when this message is displayed on the screen:



### Supported 3D Content Resolutions

See Appendix F for supported 3D Content resolutions.

### Changing Image Size: Picture Formats

- You can change the aspect ratio (image size) of the TV for viewing the picture in different zoom modes.
- Press “**SCREEN**” button repeatedly to change the image size. Available zoom modes are listed below.

#### Auto

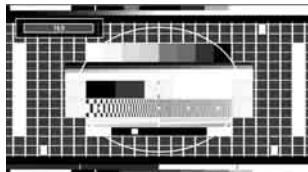
When AUTO is selected, the aspect ratio of the screen is adjusted by the information provided by the selected source(if available)

The format being displayed in AUTO mode is completely independent of WSS information which could be included in the broadcast signal or the signal from an external device.

**Note:** Auto mode only will be available in HDMI, YPbPr and DTV sources.

#### 16:9

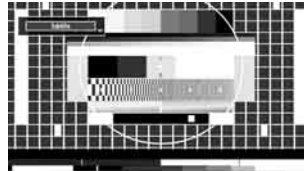
This uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen.



- For 16:9 aspect ratio pictures that have been squeezed into a normal picture (4:3 aspect ratio), use the **16:9** mode to restore the picture to its original shape.

#### Subtitle

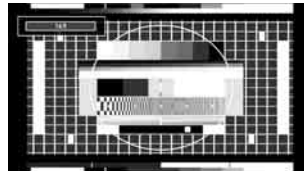
This zooms up the wide picture (16:9 aspect ratio) with subtitles to the full screen.



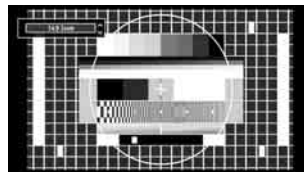
**Note:** You can shift to screen up or down by pressing “▼” / “▲” buttons while picture zoom is selected as panoromic, 14:9 Zoom, Cinema or Subtitle.

#### 14:9

This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen.



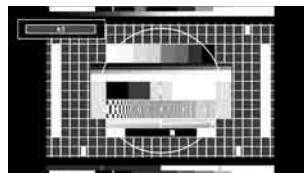
#### 14:9 Zoom



This option zooms to the 14:9 picture.

#### 4:3

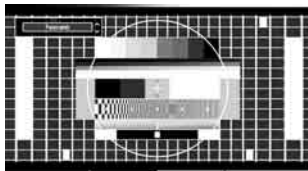
Use to view a normal picture (4:3 aspect ratio) as this is its original size.





## Panoramic

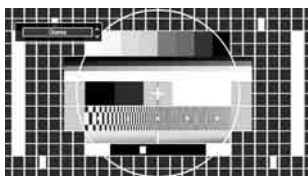
This stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the screen, without making the picture appear unnatural.



The top and bottom of the picture are slightly cut off.

## Cinema

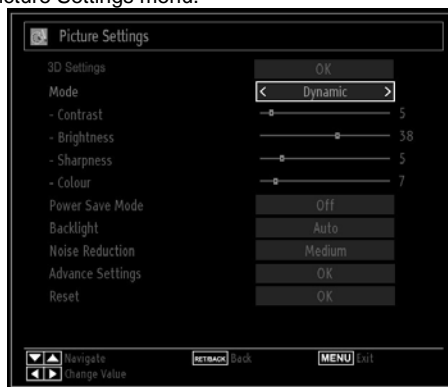
This zooms up the wide picture (16:9 aspect ratio) to the full screen.



## Configuring Picture Settings

You can use different picture settings in detail.

Press "MENU" button and select the Picture icon by using "◀" or "▶" button. Press OK button to view Picture Settings menu.



### Operating Picture Settings Menu Items

- Press "▼" or "▲" button to highlight a menu item.
- Use "◀" or "▶" button to set an item.
- Press "MENU" button to exit.

### Picture Settings Menu Items

**Mode:** For your viewing requirements, you can set the related mode option. Picture mode can be set to one of these options: **Cinema, Game, Dynamic** and **Natural**.

**Contrast:** Sets the lightness and darkness values of the screen.

**Brightness:** Sets the brightness value for the screen.

**Sharpness:** Sets the sharpness value for the objects displayed on the screen.

**Power Save Mode:** Use "▼" or "▲" button to select Power Save Mode. Press "◀" or "▶" button to set Power Save Mode as On or Off. See the section, "Environmental Information" in this manual for further information on Power Save Mode.

**Note:** Backlight function will be invisible if Power Save Mode is set to on.

**Backlight:** This setting controls the backlight level and it can be set to Auto, Maximum, Minimum, Medium and Eco Mode.

**Noise Reduction:** If the broadcast signal is weak and the picture is noisy, use **Noise Reduction** setting to reduce the noise amount. Noise Reduction can be set to one of these options: **Low, Medium, High** or **Off**.

### Advanced Settings

- **Colour Temp:** Sets the desired colour tone.

Setting **Cool** option gives white colours a slight blue stress.

For normal colours, select **Normal** option.

Setting **Warm** option gives white colours a slight red stress.

- **Picture Zoom:** Sets the picture size to **Auto, 16:9, Subtitle, 14:9, 14:9 Zoom, 4:3, Panoramic** or **Cinema**.

• **HDMI True Black:** 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. You can set this feature as "On" for activating HDMI True Black mode.

• **Film Mode:** Films are recorded at a different number of frames per second to normal television programmes. Press "▼" or "▲" buttons to select Film mode. Press "◀" or "▶" buttons to set this feature Auto or Off. Turn this feature to Auto when you are watching films to see the fast motion scenes clearly.

- **Colour Shift:** Adjust the desired colour tone.

**Reset:** Resets the picture settings to factory default settings.

*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.*

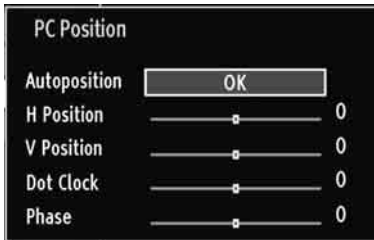
### PC Picture Settings Operation

For adjusting PC picture items, do the following:

Press "◀" or "▶" button to select Picture icon. Picture menu appears on the screen.

**Contrast, Brightness, Colour, Colour Temp and Picture Zoom, Reset** settings in this menu are identical to settings defined in TV picture settings menu. **Sound, Settings and Source** settings are identical to the settings explained in the main menu system.

**PC Position:** Select this to display PC position menu items.



**Autoposition:** Automatically optimizes the display. Press **OK** to optimize.

**H Position:** This item shifts the image horizontally to right hand side or left hand side of the screen.

**V Position:** This item shifts the image vertically towards the top or bottom of the screen.

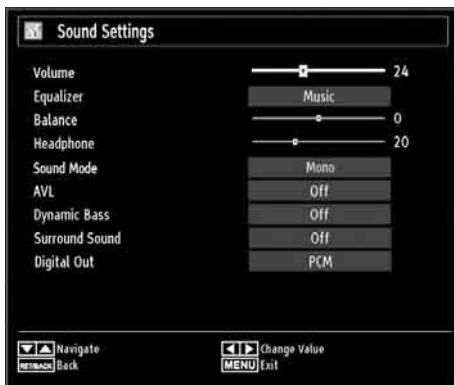
**Dot Clock:** Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.

**Phase:** 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.

## Configuring Sound Settings

Sound settings can be configured according to your personal preferences.

Press "**MENU**" button and select the first icon by using "**◀**" or "**▶**" button. Press **OK** button to view Sound Settings menu.



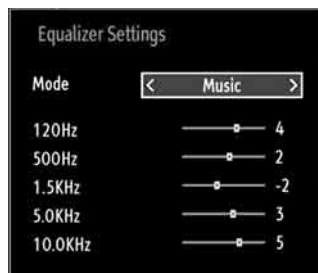
## Operating Sound Settings Menu Items

- Press "**▼**" or "**▲**" button to highlight a menu item.
- Use "**◀**" or "**▶**" button to set an item.
- Press "**MENU**" button to exit.

## Sound Settings Menu Items

**Volume:** Adjusts volume level.

**Equalizer:** Press **OK** button to view equalizer sub-menu.



In equalizer menu, the preset can be changed to **Music, Movie, Speech, Flat, Classic** and **User**. Press the "**MENU**" button to return to the previous menu.

**Note:** Equalizer menu settings can be changed manually only when the **Equalizer Mode** is in **User**.

**Balance:** This setting is used for emphasizing left or right speaker balance.

**Headphone:** Sets headphone volume.

**Sound Mode:** You can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode.

**AVL:** Automatic Volume Limiting (AVL) function sets the sound to obtain fixed output level between programmes (For instance, volume level of advertisements tend to be louder than programmes).

**Dynamic Bass:** Dynamic Bass is used to increase bass effect of the TV set.

**Surround Mode:** Surround mode can be change as On or Off.

**Digital Out:** Sets digital out audio type.

## Configuring Your TV's Settings

Detailed settings can be configured to suit your personal preferences.

Press "MENU" button and select Settings icon by using "◀" or "▶" button. Press OK button to view Settings menu.



### Operating Settings Menu Items

- Press "▼" or "▲" button to highlight a menu item.
- Press OK button to select an item.
- Press "MENU" button to exit.

### Settings Menu Items

**Conditional Access:** Controls conditional access modules when available.

**Language:** Configures language settings.

**Parental:** Configures parental settings.

**Timers:** Sets timers for selected programmes.

**Date/Time:** Sets date and time.

**Sources:** Enables or disables selected source options.

**Other Settings:** Displays other setting options of the TV set.

## Using a Conditional Access Module

**IMPORTANT: Insert or remove the CI module only when the TV is SWITCHED OFF.**

- In order to watch certain digital channels, a conditional access module (CAM) can be necessary. This module must be inserted in the CI slot of your TV.
- Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.
- Insert the CAM and then the viewing card to the slot that is located in the terminal cover at the rear side of the TV.
- The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.

Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.

• When no module is inserted, "No Common Interface module detected" message appears on the screen.

• Refer to the module instruction manual for details of the settings.

### Viewing Conditional Access Menu (\*)

(\*) These menu settings may change depending on the service provider.

Press "MENU" button and select the icon by using "◀" or "▶" button. Press OK button to view Settings menu. Use "▼" or "▲" button to highlight **Conditional Access** and press OK to view menu items.

## Configuring Language Preferences

You can operate the TV's language settings using this menu.

Press "MENU" button and select the fifth icon by using "◀" or "▶" button. Press OK button to view Settings menu. Use "◀" or "▶" button to highlight **Language** and press OK to continue:



Use "▼" or "▲" button to set an item. Settings are stored automatically.

**Menu:** displays the system language.

### Preferred

These settings will be used if available. Otherwise the current settings will be used.

- **Audio:** Sets the preferred audio language.
- **Subtitle:** Sets the subtitle language. Selected language will be seen in subtitles.
- **Teletext:** Sets teletext language.
- **Guide:** Sets the preferred Guide language.

### Current (\*)

(\*) These settings can be changed if only the broadcaster supports. Otherwise, settings will not be available to be changed.

**Audio:** Changes the audio language for the current channel.

- **Subtitle:** Sets the subtitle language for the current channel.

*Note: If the Country option is set to Denmark, Sweden, Norway or Finland, the Language Settings menu will function as described below:*

## Language Settings



In the configuration menu, highlight the Language Settings item by pressing "▼" or "▲" buttons. Press OK and Language Settings submenu will be displayed on the screen:

Use "▼" or "▲" buttons to highlight the menu item that will be adjusted and then press "◀" or "▶" button to set.

Notes:

- System Language determines the on-screen menu language.
- Audio Language is used for selecting the soundtrack of a channels.
- Primary settings are the first priority when multiple choices are available on a broadcast. Secondary settings are the alternatives when the first options are not available.

## Parental Control

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

*This function enables or disables the menu protection system and allows the PIN code to be changed.*

Press "MENU" button and select the icon by using "◀" or "▶" button. Press OK button to view Settings menu. Use "▼" or "▲" button to highlight **Parental** and press OK to continue:



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



### Parental Settings Menu Operation (\*)

- Select an item by using “▼” or “▲” button.
- Use “◀” or “▶” button to set an item.
- Press **OK** button to view more options.

(\*) If you set Country option as UK in the first time installation, Maturity Lock option will not be visible. This setting is available only for EU countries.

**Menu Lock:** Menu lock setting enables or disables the menu access. You can disable access to the installation menu or the whole menu system.

**Maturity Lock:** When set, this option gets the maturity information from the broadcast and if this maturity level is disabled, disables access to the broadcast.

**Child Lock:** 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, except for the Standby/On button. When Child Lock is activated you are able to switch the TV into Standby mode with the Standby/On button. To switch the TV on again, you need the remote control. Hence, if one of those buttons is pressed, **Child Lock Is On** will be displayed on the screen when the menu screen is not visible.

**Set PIN:** Defines a new PIN number. Use numeric buttons to enter a new pin number. You will need to code your new pin a second time for verification purposes.

**IMPORTANT:** The factory default pin number is **0000**, if you change the pin number make sure you write it down and keep it safe.

## Timers

To view Timers menu, press “**MENU**” button and select **Settings** icon by using “◀” or “▶” button. Press **OK** button to view **Settings** menu. Use “▼” or “▲” button to highlight **Timers** and press **OK** to continue:

### Setting Sleep Timer

This setting is used for setting the TV to turn off after a certain time.

- Highlight Sleep Timer by using “▼” or “▲” button.
- Use “◀” or “▶” button to set. The timer can be programmed between **Off** and **2.00** hours (120 minutes) in steps of 30 minutes.

### Setting Programme Timers

You can set programme timers for a particular programme using this feature.

- Press **YELLOW** button on the remote control to add a timer.
- *Note: YELLOW button works only when the TV is in digital mode.*

**Timer Type:** This feature is unavailable to be set.

**Channel:** Changes channel by using “◀” or “▶”.

**Date:** Enter a date using the numeric buttons.

**Start:** Enter a starting time using the numeric buttons.

**End:** Enter an ending time using the numeric buttons.

**Duration:** Displays duration between the starting and ending time.

**Repeat:** Sets a timer to be repeated as Once, Daily or Weekly. Use “◀” or “▶” buttons to select an option.

**Change/Delete:** Controls parental settings on timers.

- Press **GREEN** button to save the timer. Press **RED** button to cancel.

### Editing a Timer

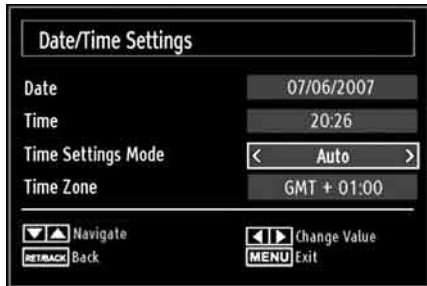
- Select the timer you want to edit by pressing “▼” or “▲” button.
- Press **GREEN** button. Edit Timer menu screen will be displayed.
- When finished with editing, press **GREEN** button to save. You can press “**MENU**” button to cancel.

### Deleting a Timer

- Select the timer you want to delete by pressing “▼” or “▲” button.
- Press **RED** button.
- Select **YES** by using “◀” or “▶” buttons to delete the timer. Select **NO** to cancel.

## Configuring Date/Time Settings

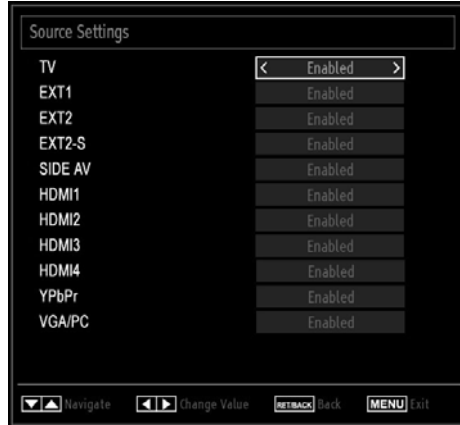
Select **Date/Time** in the Settings menu to configure Date/Time settings. Press **OK** button.



- Use “▼” or “▲” buttons to highlight **Date/Time**. Date, Time, Time Settings Mode and Time Zone Setting will be available.
- Use “▲” or “▼” buttons to highlight the Time Settings Mode. Time Settings Mode is set using “◀” or “▶” buttons. It can be set to AUTO or MANUAL.
- When AUTO is selected, Date/Time and Time Zone options will not be available to be set. If MANUAL option is selected as the Time Zone can be altered:
- By pressing “▲” or “▼” buttons select Time Zone.
- Use “◀” or “▶” buttons to change the Time Zone between GMT-12 or GMT+12. Date/Time on the top of the menu list will then change according to the selected Time Zone.
- Changes are automatically stored. Press “**MENU**” to exit.

## Configuring Source Settings

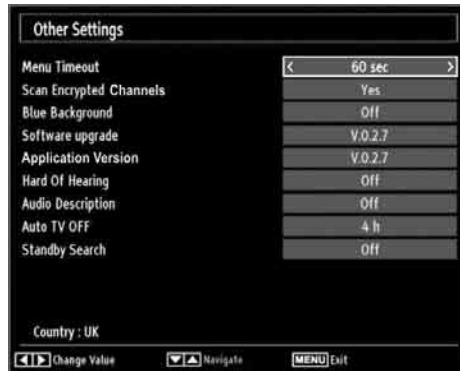
You can enable or disable selected source options. The TV will not switch to the disabled source options when “**SOURCE**” button is pressed.



- Select **Sources** in the Settings menu and press **OK** button.
- Press “▼” or “▲” buttons to select a source.
- Use “◀” or “▶” button to enable or disable the selected source. Changes are automatically stored.

## Configuring Other Settings

To view general configuration preferences, select **Other Settings** in the Settings menu and press **OK** button.



### Operation

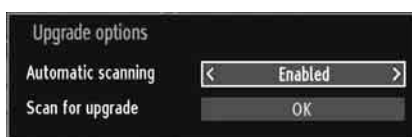
- Press “▼” or “▲” buttons to select an item.
  - Use “◀” or “▶” button to set an option.
  - Press **OK** button to view a sub-menu.
- Menu Timeout:** Changes timeout duration for menu screens.



**Scan Encrypted Channels:** When this setting is set as **YES**, search process will locate the encrypted channels as well. If it is set as **NO**, encrypted channels will not be located in automatic search or manual search.

**Blue Background:** Activates or deactivates blue background system when the signal is weak or absent.

**Software Upgrade:** To ensure that your TV always has the most update information, you can use this setting. In order for the proper operation, please ensure that the TV is set to standby mode.



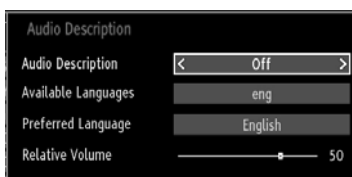
You can enable or disable automatic upgrade by setting **Automatic Scanning** option.

You can manually search for new software by selecting **Scan for upgrade**.

**Application version:** Displays the current application version.

**Hard of Hearing:** If the broadcaster enables any special signal concerning the audio, you can set this setting as On to receive such signals.

**Audio Description:** Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary). You can use this feature, only if the broadcaster supports that additional narration track.



**Auto TV Off:** You can set the timeout value of auto off feature. After the timeout value is reached and the TV is not operated for selected time, the TV will go off.

**Standby Search (optional):** Use "▼" or "▲" button to select Standby Search and then press "◀" or "▶" button to set this setting as On or Off. If you change Standby Search to Off, this function will be unavailable. To use Standby search please make sure that you select Standby Search as On.

## Other Features

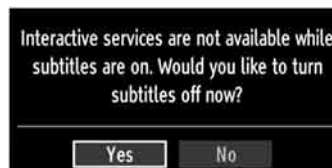
**Displaying TV Information:** Programme Number, Programme Name, Sound Indicator, time, teletext, channel type and resolution information is displayed on the screen when a new programme is entered or "INFO" button is pressed.

**Mute Function:** Press "X" button to disable sound. Mute indicator will be displayed in the upper side of the screen. To cancel mute, there are two alternatives; the first one is pressing the "X" button and the second one is increasing the volume level.

**Picture Mode Selection:** By pressing **PRESETS** button, you can change **Picture Mode** settings in accordance with your viewing requirements. Available options are **Dynamic**, **Natural**, **Cinema** and **Game**.

**Displaying Subtitles:** If there is any subtitle information available in the broadcast, you can enable subtitles by pressing the **SUBTITLE** button of the remote control. Press **SUBTITLE** button again to disable subtitle function.


If "Subtitle" is On, pressing the "☰" button causes the following warning message display on the screen (\*\* for UK only)



## Teletext

Teletext system transmits information such as news, sports and weather on your TV. Note that if the signal degrades, for example in poor/adverse weather conditions, some text errors may occur or the teletext mode may be aborted.


**Teletext function buttons** are listed below:

“” **Teletext / Mix**: Activates teletext mode when pressed once. Press again to place the teletext screen over the programme (mix). Pressing again will quit the teletext mode.

“**RETURN**” **Index**: Selects the teletext index page.

“**INFO**” **Reveal**: Shows hidden information (e.g. solutions of games).



“**OK**” **Hold**: Holds a text page when convenient. Press again to resume.

“/” **Subcode Pages**: Selects subcode pages if available when the teletext is activated.

**P+ / P- and numbers (0-9)**: Press to select a page.

**Note**: Most TV stations use code 100 for their index pages.

### Coloured Buttons (RED/GREEN/YELLOW/BLUE)

Your TV supports both **FASTTEXT** and **TOP text** systems. When these systems are available, the pages are divided into groups or topics. When **FASTTEXT** system is available, sections in a teletext page will become colour-coded and can be selected by pressing the coloured buttons. Press a coloured button that corresponds to with your needs. The coloured writings will appear, showing you which coloured buttons to use when **TOP text** transmission is present. Pressing “” or “” commands will request the next or previous page respectively.

## Tips

**Screen Care**: Clean the screen with a slightly damp, soft cloth. Do not use abrasive solvents as they may damage the coating layer of the TV screen. For your safety, unplug the mains plug when cleaning the set. When moving the TV, hold it properly from the bottom part.


**Image Persistence**: Please note that ghosting may occur while displaying a persistent 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 for extended periods.

**No Power**: If your TV system has no power, please check the main power cable and connection to the mains socket outlet.

**Poor Picture**: Have you selected the correct TV system? Is your TV set or house aerial located too close to a non-earthed audio equipment or neon lights, etc.? 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? Check if you have entered the correct frequency. Please retune the channels. The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

**No Picture**: Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer. 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.

**Sound**: You can not hear any sound. Did you perhaps interrupt the sound, pressing the  button? Sound is coming from only one of the speakers. Is the balance set to one extreme? See **Sound Menu**.

**Remote Control**: Your TV no longer responds to the remote control. Perhaps the batteries are exhausted. If so you can still use the local buttons on the TV.

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



## Appendix A: PC Input Typical Display Modes

The display has a maximum resolution of 1920 x 1200. The following table is an illustration of some of the typical video display modes. Your TV may not support different resolutions. Supported resolution modes are listed below. If you switch your PC to an unsupported mode, a warning OSD will appear on the screen.

| Index | Resolution | Frequency |
|-------|------------|-----------|
| 1     | 640x400    | 70Hz      |
| 2     | 640x480    | 60Hz      |
| 3     | 640x480    | 72Hz      |
| 4     | 640x480    | 75Hz      |
| 5     | 800x600    | 56Hz      |
| 6     | 800x600    | 60Hz      |
| 7     | 800x600    | 70Hz      |
| 8     | 800x600    | 72Hz      |
| 9     | 800x600    | 75Hz      |
| 10    | 1024x768   | 60Hz      |
| 11    | 1024x768   | 70Hz      |
| 12    | 1024x768   | 72Hz      |
| 13    | 1024x768   | 75Hz      |
| 14    | 1152x864   | 75Hz      |
| 15    | 1280x768   | 60Hz      |
| 16    | 1360x768   | 60Hz      |
| 17    | 1280x768   | 75Hz      |
| 18    | 1280x960   | 60Hz      |
| 19    | 1280x960   | 75Hz      |
| 20    | 1280x1024  | 60Hz      |
| 21    | 1280x1024  | 75Hz      |
| 22    | 1400x1050  | 60Hz      |
| 23    | 1600x1200  | 60Hz      |
| 24    | 1920x1080  | 60Hz      |
| 25    | 1920x1200  | 60Hz      |

## Appendix B: AV and HDMI Signal Compatibility (Input Signal Types)

| Source                           | Supported Signals | Available |   |
|----------------------------------|-------------------|-----------|---|
| EXT-1<br>(SCART-1)               | PAL 50/60         | O         |   |
|                                  | NTSC 60           | O         |   |
|                                  | RGB 50            | O         |   |
|                                  | RGB 60            | O         |   |
| EXT-2<br>(SCART-2)               | PAL 50/60         | O         |   |
|                                  | NTSC 60           | O         |   |
|                                  | RGB 50            | X         |   |
|                                  | RGB 60            | X         |   |
| SIDE AV                          | PAL 50/60         | O         |   |
|                                  | NTSC 60           | O         |   |
| YPbPr                            | 480I              | 60Hz      | O |
|                                  | 480P              | 60Hz      | O |
|                                  | 576I              | 50Hz      | O |
|                                  | 576P              | 50Hz      | O |
|                                  | 720P              | 50Hz      | O |
|                                  | 720P              | 60Hz      | O |
|                                  | 1080I             | 50Hz      | O |
|                                  | 1080I             | 60Hz      | O |
|                                  | 1080P             | 50Hz      | O |
|                                  | 1080P             | 60Hz      | O |
| HDMI1<br>HDMI2<br>HDMI3<br>HDMI4 | 480I              | 60Hz      | O |
|                                  | 480P              | 60Hz      | O |
|                                  | 576I              | 50Hz      | O |
|                                  | 576P              | 50Hz      | O |
|                                  | 720P              | 50Hz      | O |
|                                  | 720P              | 60Hz      | O |
|                                  | 1080I             | 50Hz      | O |
|                                  | 1080I             | 60Hz      | O |
|                                  | 1080P             | 50Hz      | O |
|                                  | 1080P             | 60Hz      | O |
|                                  | 1080P             | 24 HZ     | 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.*

## Appendix C: Supported DVI Resolutions

When connecting devices to your TV's connectors by using DVI converter cables (not supplied), you can refer to the following resolution information.

| Index | Resolution | Frequency |
|-------|------------|-----------|
| 1     | 640x400    | 70Hz      |
| 2     | 640x480    | 60Hz      |
| 3     | 640x480    | 72Hz      |
| 4     | 640x480    | 75Hz      |
| 5     | 800x600    | 56Hz      |
| 6     | 800x600    | 60Hz      |
| 7     | 800x600    | 70Hz      |
| 8     | 800x600    | 72Hz      |
| 9     | 800x600    | 75Hz      |
| 10    | 1024x768   | 60Hz      |
| 11    | 1024x768   | 70Hz      |
| 12    | 1024x768   | 72Hz      |
| 13    | 1024x768   | 75Hz      |
| 14    | 1152x864   | 75Hz      |
| 15    | 1280x768   | 60Hz      |
| 16    | 1360x768   | 60Hz      |
| 17    | 1280x768   | 75Hz      |
| 18    | 1280x960   | 60Hz      |
| 19    | 1280x960   | 75Hz      |
| 20    | 1280x1024  | 60Hz      |
| 21    | 1280x1024  | 75Hz      |
| 22    | 1400x1050  | 60Hz      |
| 23    | 1600x1200  | 60Hz      |
| 24    | 1920x1080  | 60Hz      |
| 25    | 1920x1200  | 60Hz      |
| 26    | 480p       | 60Hz      |
| 27    | 576p       | 50Hz      |
| 28    | 720p       | 50Hz      |
| 29    | 720p       | 60Hz      |
| 30    | 1080i      | 50Hz      |
| 31    | 1080i      | 60Hz      |
| 32    | 1080p      | 24Hz      |
| 33    | 1080p      | 25Hz      |
| 34    | 1080p      | 30Hz      |
| 35    | 1080p      | 50Hz      |
| 36    | 1080p      | 60Hz      |

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## Appendix D: Supported File Formats for USB Mode

| Media    | File Extension                                                      | Format           |                             | Remarks<br>(Maximum resolution/Bit rate etc.)              |
|----------|---------------------------------------------------------------------|------------------|-----------------------------|------------------------------------------------------------|
|          |                                                                     | Video            | Audio                       |                                                            |
| Movie    | .mpg, .mpeg                                                         | MPEG1, 2         | MPEG Layer 1/2/3            | MAX 1920x1080 @ 30P 20Mbit/sec                             |
|          | .dat                                                                | MPEG1, 2         | MPEG2                       |                                                            |
|          | .vob                                                                | MPEG2            |                             |                                                            |
|          | .avi                                                                | MPEG2            | PCM/MP3                     | MAX 1920x1080 @ 30P 20Mbit/sec                             |
|          | Xvid 1.00, Xvid 1.01,<br>Xvid 1.02, Xvid 1.03,<br>Xvid 1.10-beta1/2 | PCM              |                             |                                                            |
| Music    | .mp3                                                                | -                | MPEG 1 Layer 1 / 2<br>(MP3) | 32Kbps ~ 320Kbps(Bit rate)<br>32KHz ~ 48KHz(Sampling rate) |
| Photo    | .jpg .jpeg                                                          | Baseline JPEG    |                             | max WxH = 15360x8640    4147200bytes                       |
|          |                                                                     | Progressive JPEG |                             | max WxH = 1024x768    6291456bytes                         |
|          | .bmp                                                                | -                |                             | max WxH = 9600x6400    3840000bytes                        |
| Subtitle | .sub                                                                | -                |                             | -                                                          |
|          | .srt                                                                | -                |                             | -                                                          |

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## Appendix E: Software Upgrade

- Your TV is capable of finding and updating new software upgrades over broadcast channels.
- For broadcast channels search, TV looks the available channels stored in your settings. So before software upgrade search, it is advised to auto search and update all available channels.

### 1) Software upgrade search via user interface

- It is possible manually to check if there is a new software upgrade for your TV set.
- Simply navigate on your main menu. Choose **Settings** and select **Other Settings** menu. In **Other Settings** menu navigate on to the **Software Upgrade** item and press **OK** button to open **Upgrade Options** menu.
- In **Upgrade Options** menu select **Scan for upgrade** and press **OK** button.
- If a new upgrade is found, it starts to download the upgrade. A progress bar indicates the remaining download progress. When download completes with success a message is displayed for reboot to activate new software. Press **OK** to continue with the reboot operation.

### 2) 3.AM search and upgrade mode

- If **Automatic scanning** in **Upgrade Options** menu is enabled, TV wakes up at 03:00 and searches broadcast channels for new software upgrade. If new software is found and downloaded successfully, with next power up TV opens with new software version.

**Note on reboot operation:** Reboot is the last step in software upgrade operation if download of new software is finished successfully. During reboot TV makes final initializations. In reboot sequence panel power is closed and front led indicates the activity with blinking. Around 5 minutes later TV restarts with new software activated.

- If your TV fails to restart in 10 minutes, unplug power for 10 minutes and re-plug again. TV should open with new software safely. If you still can not get TV working, please kindly repeat unplug and plug sequence a few times more. If your set still can not operate, please call the service personnel to fix the problem for you.

**Caution:** While led is blinking during reboot do not unplug your TV's power. Doing this may cause your TV not to re-open again and can only be fixed by service personnel.



**Products**



**Battery**

### 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.

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## Appendix F: Supported 3D Content Resolutions

|                    | HDMI          | MBV           | MBP           | DTV           | ATV           | OTHER         |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>1080p@24 FP</b> | Supported     | Not Supported | Not Supported | Not Supported | Not Supported | Not Supported |
| <b>720p@50 FP</b>  | Supported     | Not Supported | Not Supported | Not Supported | Not Supported | Not Supported |
| <b>720p@60 FP</b>  | Supported     | Not Supported | Not Supported | Not Supported | Not Supported | Not Supported |
| <b>1080p FC</b>    | SBS, TB       | SBS, TB       | SBS, TB       | SBS, TB       | Not Supported | SBS, TB       |
| <b>720p FC</b>     | SBS, TB       | SBS, TB       | SBS, TB       | SBS, TB       | Not Supported | SBS, TB       |
| <b>1080i FC</b>    | SBS           | SBS           | SBS           | SBS           | Not Supported | SBS           |
| <b>OTHER</b>       | Not Supported | Not Supported | (*)           | (*)           | Not Supported | Not Supported |

**SBS:** Side By Side

**TB:** Top Bottom

**MBP:** Media Browser Picture

**MBV:** Media Browser Video

**FC:** Frame Compatible

**FP:** Frame Pack

**in MBP: Supported only when,** the image's height is multiples of 2 and the image's width is multiples of 16 and if the image width is equal to the panel width or wider.

**in DTV: Supported only when,** the image's height is between 1700 and 1900 and the image's width is equal to 1280 or 720.

(\*): **Not supported** if the image provides 1080i resolution.

### 3D Glasses

Frame Material: ABS

Frame Type: Foldable

Weights: 21g

Polarization Film Type: Circular

Light Penetration Rate: 40%

Polarization Efficiency: 99.9%

Lens Thickness: 0.28mm

Lens Treatment: Hard-coated

### 3D Imaging Viewing Range

Note: Viewing angle, TV size and other circumstances may affect the viewing distance and the angle of view.

#### Viewing Distance Maximum Viewing Distance

2 m - 7 m

10 m

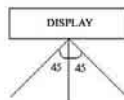
(6.5 ft - 22.9 ft)

(32.8 ft)

#### Vertical Viewing Angle

15° Vertical

#### Horizontal Viewing Angle



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### Using with PS3 (for UK only)

- Have both TV and console off.
- Turn on the TV and wait for it to power up, then turn on the console (Hold power button until beep)
- The PS3 will then identify the 3DTV and ask for resolution information and screen size.
- Once selected the PS3 will then have the ability to play both games and Blu-ray 3D discs.

### Using with SKY (for UK only)

- Select Sky 3D channel.
- Press Menu on TV.
- Select Picture.
- Select 3D Menu.
- Change setting to 3D side by side.
- Once selected 3D channel can now be watched.

Note you will need to unselect this mode when going back to 2D channels.



## Specifications

### TV BROADCASTING

PAL/SECAM B/G D/K K' I/I' L/L'

### 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, 50 Hz.

### AUDIO

German + Nicam Stereo

### AUDIO OUTPUT POWER ( $W_{RMS}$ ) (10% THD)

2 x 8

### POWER CONSUMPTION (W)

210 W (max)

### PANEL

16:9 display, 42" Screen Size

### DIMENSIONS (mm)

DxLxH (With foot): 219 x 1020 x 693

Weight (Kg): 19

DxLxH (Without foot): 99,5 x 1020 x 655

Weight (Kg): 18

|                   |                                                                            |        |
|-------------------|----------------------------------------------------------------------------|--------|
| 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 |        |
|                   | Frequency range: 474-850 MHz for UK models                                 |        |
|                   | 170-862 MHz for EU models                                                  |        |
|                   | Transmission standard: DVB-T. 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.                                       |        |

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For assistance, please call our Tesco Electrical Helpline on 0845 456 6767

### Important Instruction

For your own safety read following instruction carefully before attempting to connect this unit to the mains supply.

**MAINS (AC) OPERATION**

The wires in the mains lead are coloured in accordance with the following code :

The diagram shows a cross-section of a three-pin mains plug. Labels with leader lines point to the following components: 'GREEN & YELLOW (Earth) (if there is earth cable)' pointing to the top earth pin; 'BLUE (Neutral)' pointing to the bottom-left pin; 'BROWN (Live)' pointing to the bottom-right pin; and 'FUSE' pointing to the fuse holder at the top of the plug.

**IMPORTANT**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:


The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E, or by the earth symbol, or coloured green or green and yellow.

The wire which is coloured blue or black must be connected to the terminal which is marked with the letter N or coloured Black.

The wire which is coloured brown or red must be connected to the terminal which is marked with the letter L or coloured Red.

For continued protection against risk of fire, replace only with same type and rating of fuse (ASTA approved 5A 250VAC fuse).

**Note: Earth connection is used only for class I applications.**

 This symbol means this appliance is a class II appliance and therefore, an earth connection is not required.

### CAUTION

TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

### SAFETY PRECAUTION

THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.



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