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User manual

Mode d'emploi

Manuale utente

Manual del usuario

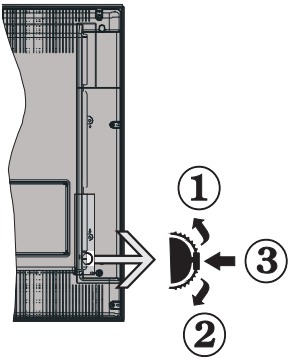
Manual do utilizador

PHILIPS

Contents

TV Control switch & Operation 16
General Operation 16
TV Menu Features and Functions 21
Specifications.....28

TV Control switch & Operation



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

Note:*You can move the switch, upward or downward to change the volume. If you want to change channels, press the middle of the switch once (Position 3) and then move upward or downward. If you press the middle of the switch once more, source OSD will be displayed. If you press the middle of the switch and hold about a few seconds, the TV will switch to standby mode. Main menu OSD cannot be displayed via control buttons.*

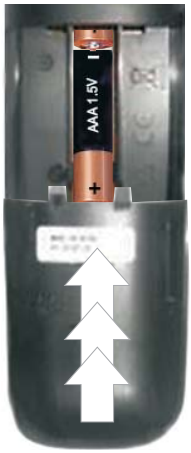
Operation with the Remote Control

- Press "" button on your remote control to display main menu screen. Use **Left** or **Right** button to select a menu tab and press **OK** to enter. Use **Left / Right / Up / Down** to select or set an item. Press "" or "" button to quit a menu screen.
- Once you have connected external systems to your TV, you can switch to different input sources. Press **SOURCE** button on your remote control consecutively to select the different sources.
- You can change the channel and adjust the volume by using the **+/-** and **CH+/-** buttons on the remote. .

General Operation

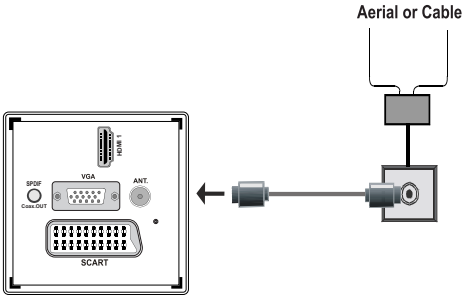
Installing the Batteries to the Remote

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 & Antenna/Cable

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.



Accessories included

- Remote Control
- Batteries: 2 x AAA
- Instruction Book
- Quick Start Guide
- Side AV Connection Cable
- YPbPr Connection Cable

Viewing remote control

1. Standby
2. Stop (in Media Browser mode)
3. Play (in Media Browser mode) / Play-Slideshow (in Media Browser)
4. Rapid reverse (in Media Browser mode)
5. AV / Source selection
6. TV
7. Electronic programme guide(in DVB channels)
8. Navigation buttons (Up/Down/Left/Right)
9. Programme recording
10. Programme Down / Page up
11. Mute
12. Volume Down
13. Green button / List Schedule (in EPG) / Tag/ Untag All (in favourite list)
14. Red button
15. Numeric buttons
16. Subtitle on-off (in DVB channels)
17. Teletext / Mix (in TXT mode)
18. Blue button/Edit Channel List/Filter (in Favourite List&EPG)
19. Yellow button/Timeline Schedule(in EPG)
20. Volume Up
21. Programme Up / Page down
22. Back/ Return / Index page (in TXT mode)
23. Mono/Stereo - Dual I-II / Current Language (*) (in DVB channels)
24. Okay (Confi rm) / Hold (in TXT mode) / Channel List
25. Info / Reveal (in TXT mode)
26. Menu on-off / Exit (in Media Browser mode)
27. Picture zoom
28. Rapid advance (in Media Browser mode)
29. Pause (in Media Browser mode) / Timeshift recording

Teletext

Press **TEXT** button to enter. Press again to activate mix mode. Press once more to exit. Follow the instructions displayed on digital teletext screen.

Digital Teletext (for UK only)

Press **TEXT** button to view digital teletext information. 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.

Viewing the Connections

Connector	Type	Cables	Device
	Scart Connection (back)		
	VGA Connection (back)		
SIDE AV	PC/YPbPr Audio Connection (side)	Side Audio/Video Connection Cable (Supplied) PC Audio Cable (Not supplied)	
	HDMI Connection (back)		
SPDIF	SPDIFF Connection (back)		
SIDE AV	Side AV Connection (side)	AV Connection Cable (supplied)	
HEADPHONE	Headphone Connection (side)		
YPBPR	YPbPr Video Connection (side)	YPbPr Connection Cable (supplied)	
	USB Connection (side)		
	CI Connection (side)		CAM module

***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 supplied 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.*

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, **CH- or CH+** or a numeric button on the remote control.
- Press the control switch right side of the TV. The TV will then switch on.

*Note: If you switch on your TV via **CH- or CH+** 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 hold the control switch on the Tv until shut down , 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, the standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active.

First Time Installation

When turned on for the first time, language selection screen is displayed in all language options listed alphabetically. Press the "▼" or "▲" button to highlight the required language, press **OK** button to select. "First Time Installation" appears. Use "◀" or "▶" button to set the required country, and press "▼" button to select Search Type. Use "◀" or "▶" to set the desired search type. Available search types are Digital and analog, digital only and analog only. When set, press "▼" to select Teletext Language. Use "◀" or "▶" to select the desired Teletext Language. Next, select Scan Encrypted and set as Yes if you want to scan coded stations. Press **OK** button on the remote control to continue and the search type screen will be displayed. You must select a search type to search and store broadcasts from the desired source.

IMPORTANT: When you select Country option as France or Italy, you will be asked to set and confirm a PIN number. Selected PIN number cannot be 0000. Enter a PIN number and confirm it by entering once more. Press OK button to continue. If the two PIN numbers match, your master PIN number will be set.

WARNING: When you are required to enter a PIN number for any menu operation you should use the PIN that you have previously defined during the first time installation. If you have forgotten the PIN number you have set during the first time installation, you should use the master PIN code, 4725.

Aerial Installation

If you select **AERIAL** option from the ***Search Type*** screen, the television will search for digital terrestrial TV broadcasts.

***NOTE**: You can press "🏠" button to cancel.*

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 (*), please select "Yes" and than press **OK**.

Press "🏠" button to quit channel list and watch TV.

(*) LCN is the Logical Channel Number system that organizes available broadcasts in accordance with a recognizable channel sequence (if available).

Cable Installation

If you select **CABLE** option and press **OK** button on the remote control to continue. To continue, please select **YES** and press **OK**. To cancel operation, select **NO** and press **OK**. You can select frequency ranges from this screen. For highlighting lines you see, use "▼" or "▲" button. You can enter the frequency range manually by using the numeric buttons on the remote control. Set **Start** and **Stop Frequency** as desired by using numeric buttons on the remote control. After this operation, you can set **Search Step** as 8000 KHz or 1000 KHz. If you select 1000 KHz, the TV will perform search process in a detailed way. Searching duration will thus increase accordingly. When finished, press **OK** button to start automatic search. The TV will search and store available broadcasts.

Media Playback via USB Input

You can connect a USB hard disk drive or USB memory stick to your TV by using the USB inputs of the TV. This feature allows you to play files stored in a USB drive. 2.5" and 3.5" inch (hdd with external power supply) external hard disk drives are supported.

IMPORTANT! You should back up your files before making any connections to the TV set in order to avoid any possible data loss. Manufacturer will not be responsible for any file damage or data loss. It is possible that certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV. The TV supports FAT32 and NTFS disk formatting but **recording will not be available with NTFS formatted disks**. Note: While formatting a USB hard disk that has 1TB (Tera Byte) or more file capacity, you can experience problems with the formatting process. Quickly plugging and unplugging USB devices, is a very hazardous operation. 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 and using the Media Browser screen. To do this, perform the following: Connect a USB disk to one of the USB inputs located on the side of the TV. Press "" button and select Media Browser tab by using **Left/ Right** and **OK** buttons. Main media browser screen will be displayed. You can display the related content by selecting the Video, Music or Picture tab. Follow the button indications under each on screen menu for media playback features. You can set your Media Browser preferences by using the Settings dialogue.

Loop/Shuffle Mode Operation	
Start playback with ▶ and activate	TV plays next file and loop the list.
Start playback with OK and activate	the same file will be played in a loop (repeat).
Start playback with OK/▶ and activate	the file will be played in a shuffle.
Start playback with OK/▶ and activate	the file playback will continue randomly and random playback will continue.

TV Menu Features and Functions

Picture Menu Contents	
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.
Colour	Sets the colour value, adjusting the colors.
Power Save Mode	To set Power Save Mode as Eco, Picture Off and Disabled. .
Backlight (optional)	This setting controls the backlight level and it can be set to Auto, Maximum, Minimum and Eco Mode. Backlight function will be inactive if Power Save Mode is set to On. Backlight cannot be activated in VGA, Media Browser mode or while the picture mode is set to Game.
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.
Picture Zoom	Sets the picture size to **Auto**,**16:9**, **Subtitle,14:9**, **14:9 Zoom**, **4:3** 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.
Colour Shift	Adjust the desired colour tone.
Reset	Resets the picture settings to factory default settings.
Autoposition (in PC mode)	Automatically optimizes the display. Press OK to optimize.
H Position (in PC mode)	This item shifts the image horizontally to right hand side or left hand side of the screen.
V Position (in PC mode)	This item shifts the image vertically towards the top or bottom of the screen.
Dot Clock (in PC mode)	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 (in PC mode)	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.
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.	

Sound Menu Contents	
Volume	Adjusts volume level.
Equalizer:	In equalizer menu, the preset can be changed to **Music**, **Movie**, **Speech**, **Flat**, **Classic** and **User**. Press the "⌂" button to return to the previous menu. *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:	Press "◀" or "▶" button to set Dynamic Bass as on or off.
Digital Out	Sets digital out audio type.

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.

- Select Channel List from the main menu.
- Select **Edit Channel List** to manage all stored channels. You can move, delete, edit name and lock channels using this screen.
- Select **Favourites** to create a list of favourite programmes.
- Select **Active Channel List** to sort channel list. You can select a broadcast type option from the displayed list by using "▼" /"▲" and **OK** buttons.

Configuring Parental Settings

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

Highlight **Parental** in the Settings menu and press **OK** to continue. 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.

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.

Set PIN: Defines a new PIN number.

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

Note: If the Country option is set to France, you can use 4725 as the default code.

TV Menu Features and Functions

Settings Menu Contents	
Conditional Access	Controls conditional access modules when available.
Language	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.
Parental	Configures parental settings.
Timers	Sets timers for selected programmes. / Sets sleep timer to turn off the TV after a certain time.
Recording Configuration	Displays recording configuration menu.
Date/Time	Sets date and time. Note: * The TV takes the time info via the broadcast. Correct time will be available on Date/Time Settings, if the time info is provided in the broadcast. If the TV is in no channel mode, Date/Time settings can be changed. However, if there is a channel preset, only “Time Settings Mode” can be changed and if this is set to Manual, Time Zone will be enabled. * If the TV is switched to standby mode and switched on later and there is no broadcast available, time information will not be updated. If there is a present broadcast; however, time information will be taken via the broadcast. In other words, time information will be available according to these priorities: The TV first looks for the time info in the broadcast, then to the user preference, and lastly to the teletext time information.
Sources	Enables or disables selected source options.
Install and Retune Menu Contents	
Automatic Channel Scan (Retune)	Displays automatic tuning options. ***Digital Aerial:*** *Searches and stores aerial DVB stations.* ***Digital Cable:*** *Searches and stores cable DVB stations.* ***Analogue:*** *Searches and stores analogue stations.* ***Digital Aerial & Analogue:*** *Searches and stores aerial DVB and analogue stations.* ***Digital Cable & Analogue:*** *Searches and stores cable DVB and analogue stations.*
Manual Channel Scan	This feature can be used for direct broadcast entry.
Network Channel Scan	Searches for the linked channels in the broadcast system..
Analogue Fine Tune	You can use this setting for fine tuning analogue channels. This feature is not available if no analogue channels are stored.
First Time Installation	Deletes all stored channels and settings, resets TV to factory settings and starts first time installation. You can follow the instructions in the Initial Installation section for more information on this process.
Clear Service List	(*) Visible for Denmark, Sweden, Norway or Finland. Clear Service List and then press OK. The following OSD will be displayed on the screen. Select YES and press OK to continue or select NO and press OK button to cancel.
Other Settings: Displays other setting options of the TV set:	
Menu Timeout	Changes timeout duration for menu screens.
Scan Encrypted	When this setting is on, search process will locate the encrypted channels as well. If it is set as Off, 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.
Application Version	Displays 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. 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. When the timeout value is reached and the Tv is not operated for selected time, the TV will go off.
Broadcast Type	Selects the desired broadcast type.
Standby Search (optional)	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. 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. Please activate Standby Search setting in order to enable your TV for automatically updating the broadcast frequency of the broadcaster, broadcast definition and similar changes.

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.

Up/Down/Left/Right: Navigate EPG.

OK: Displays programme options.

INFO: Displays, in detail information on programme selected.

GREEN: Switches to List Schedule EPG.

YELLOW: Switches to Timeline Schedule EPG.

BLUE: displays filtering options.

: The TV will start to record the selected programme. You can press again to stop the recording.

***IMPORTANT**: To record a programme, you should first connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable recording feature. Otherwise, recording feature will not be available.*

***Note**: Switching to a different broadcast or source is not available during the recording.*

Programme Options

In EPG menu, press the **OK** button to enter the ***Event Options*** menu.

Select Channel

In EPG menu, using this option, you can switch to the selected channel.

Record / Delete Record Timer

After you have selected a programme in EPG menu, press the **OK** button and **Options** screen will be displayed. Select "**Record**" option and press the **OK** button. After this operation, a recording becomes set to the selected programme.

To cancel an already set recording, highlight that programme and press the **OK** button and select the option "**Delete Rec. Timer**". The recording will be cancelled.

Set Timer / Delete Timer

After you have selected a programme in EPG menu, press the **OK** button and **Options** screen will be displayed. Select "**Set Timer on Event**" option and press **OK** button. You can set a timer for future programmes. To cancel an already set timer, highlight that programme and press the **OK** button. Then select "**Delete Timer**" option. The timer will be cancelled.

***Note**: It is not possible to record or set timer for two or more individual events at the same time interval.*

Recording a Programme

***IMPORTANT**: When using a new USB hard disk drive, it is recommended that you first format the disk using your TV's "Format Disk" option.*

To record a programme, you should first connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable recording feature.

For using recording function, you should connect a USB disk or an external hard disk drive to the TV and connected USB disk should have at least 1 GB capacity and should have 2.0 speed compatibility. If the connected USB device does not support 2.0 speed, an error message will be displayed.

***Note**: Recorded programmes are saved into the connected USB disk. If desired, you can store/copy recordings on a computer; however, these files will not be available to be played on a computer. You can play the recordings only via your TV.*

***Note**: Lip Sync delay may occur during the timeshifting.* Radio record is not supported. The TV can record programmes up to ten hours.

Recorded programmes are split into 4GB partitions.

If the writing speed of the connected USB disk is not sufficient, recording may fail and timeshifting feature may not be available.

Recordings of HD programmes can occupy bigger size on the USB disk depending on the broadcast's resolution. For this reason it is recommended to use USB hard disk drives for recording HD programmes.

Do not plug out the USB/HDD during the recording. This may harm the connected USB/HDD.

Multipartition support is available. Maximum two different partitions are supported. If the disk have more than two partitions, crash may occur. First partition of the usb disk is used for PVR ready features. It also must be formatted as primary partition to be used for PVR ready features.

Some stream packets may not be recorded because of signal problems, so sometimes video may freezes during playback.

Record, Play, Pause, Display (for PlayListDialog) keys could not be used when teletext is ON. If a recording starts from timer when teletext is ON, teletext is automatically turned off. Also teletext usage is disabled when there is ongoing recording or playback.

Timeshift Recording

Press ❚❚ (PAUSE) button while watching a broadcast for switching to timeshifting mode. In timeshifting mode, the programme is paused and simultaneously recorded to the connected USB disk. Press ▶ (PLAY) button again to watch the paused programme from the stopped moment. You will see the timeshift gap between the real and the timeshifted programme in the info bar.

Instant Recording

Press button to start recording an event instantly while watching a programme. You can press button on the remote control again to record the next event on the EPG. In this case, an OSD will be displayed, indicating the programmed events for recording. Press ■ (STOP) button to cancel instant recording.

***Note**: Switching to a different broadcast or source; and viewing Media Browser are not available during the recording. While recording a programme or during the timeshifting, a warning message appears on the screen if your USB device speed is not sufficient.*

Watching Recorded Programmes

In the main menu, use "◀" or "▶" buttons to select **Media Browser** and press **OK**. Highlight **Recordings Library** item by using "◀" or "▶" button and press **OK** button to enter. Recordings Library will then be displayed. Select a recorded item from the list (if previously recorded) by using "▼" / "▲" button. Press **OK** button to view **Play Options**. Select an option by using "▼" / "▲" or OK buttons.

Note: Viewing main menu and menu items will not be available during the playback.

Press ■ (STOP) button to stop a playback and return to Recordings Library.

Slow Forward

If you press ❚❚ (PAUSE) button while watching recorded programmes, slow forward feature will be available. You can use ▶▶ button to slow forward. Pressing ▶▶ button consecutively will change slow forwarding speed.

Recording Configuration

Select Recording Configuration item in the Settings menu to configure recording settings.

Format Disk: You can use Format Disk feature for formatting the connected USB disk.

IMPORTANT: Note that ALL the data stored on the USB disk will be lost and then the disk format will be converted to FAT32 if you activate this feature. If your USB disk malfunctions, you can try formatting the USB disk. In most cases formatting the USB disk will restore normal operation; however, ALL the data stored on the USB disk will be lost in such a case.

Note: *If "USB is too slow" message is displayed on the screen while starting a recording, try restarting the recording. If you still get the same error, it is possible that your USB disk does not meet the speed requirements. Try connecting another USB disk.*

Software Upgrade

Your TV is capable of finding and updating new software upgrades over broadcast channels (if available). 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 initialization. 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. The TV may start in first time installation mode.*

- 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.

Troubleshooting & Tips

Image persistence - ghosting

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

No power

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

Poor picture

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

No picture

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

No sound

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

Remote control - does not operate

Your TV no longer responds to the remote control. The batteries may be exhausted, if so you can still use the control buttons on the TV. (* Is only possible if they are not blocked by parental control and if they are available with your model.)

Input sources - can not be selected

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

Recording Unavailable

To record a programme, you should first connect a USB disk to your TV while the TV is switched off. You should then switch on the TV to enable recording feature. Otherwise, recording feature will not be available. If you cannot perform recording, try switching off the TV and then re-inserting the USB device while the TV is switched off.

USB Is too Slow

If "USB is too slow" message is displayed on the screen while starting a recording, try restarting the recording. If you still get the same error, it is possible that your USB disk does not meet the speed requirements. Try connecting another USB disk.

Manufactured under license from Dolby Laboratories.

TRADEMARK ACKNOWLEDGMENT

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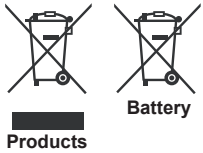
DOLBY DIGITAL PLUS

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.*



Specifications

TV BROADCASTING

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

DIGITAL RECEPTION

DVB-T MPEG2 DVB-T MPEG4 HD

DVB-T MHEG-5 Engine (for UK only)

DVB-C MPEG2 DVB-C MPEG4 HD

RECEIVING CHANNELS

VHF (BAND I/III) UHF (BAND U) HYPERBAND

NUMBER OF PRESET CHANNELS 10000

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 (WRMS) (10% THD)

2x2,5

POWER CONSUMPTION (W)

45 W (max)

PANEL

16:9 display, 22" Screen Size

DIMENSIONS (mm)

DxLxH (With foot): 134 x 516 x 352

Weight (Kg):4,95

DxLxH (Without foot): 35 x 516 x 317

Weight (Kg): 4,70

Supported DVI Resolutions

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

Index	Resolution	Frequency
1	640x400	70Hz
2	640x480	60Hz-66Hz-72Hz -75Hz
3	800x600	56Hz-60Hz-70Hz-72Hz -75Hz
4	832x624	75 Hz
5	1024x768	60Hz-66Hz-70Hz-72Hz -75Hz
6	1152x864	60Hz-70Hz-75Hz
7	1152x870	75Hz
8	1280x768	60 Hz - 75Hz
9	1280x960	60Hz-75Hz
10	1280x1024	60Hz-75Hz
11	1360x768	60 Hz
12	1400x1050	60Hz-75Hz
13	1400x900	65Hz-75Hz
14	1600x1200	60 Hz
15	1680x1050	60 Hz
16	1920x1080	60 Hz
17	1920x1200	60Hz
18	480i-480p	60Hz
19	576i-576p	50Hz

PC 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	640x350p	60 Hz
2	640x400p	60 Hz
3	1024x768	60 Hz
4	1280x768	60 Hz
5	1360x768	60 Hz
6	720x400	60 Hz
7	800x600	56 Hz
8	800x600	60 Hz
9	1024x768	60 Hz
10	1024x768	66 Hz
11	1280x768	60 Hz
12	1360x768	60 Hz
13	1280x1024	60 Hz
14	1280x960	60 Hz
15	1280x1024	60 Hz
16	1400x1050	60 Hz
17	1600x1200	60 Hz
18	1920x1080	60 Hz

Supported File Formats for USB Mode

Media	File Extension	Format		Remarks
		Video	Audio	(Maximum resolution/Bit rate etc.)
Movie	.mpg .mpeg	MPEG1,2	MPEG Layer 1/2/3	MAX 1920x1080 @ 30P 20Mbit/sec
	.dat	MPEG1,2	MPEG2	
	.vob	MPEG2		
	.mkv	H.264, MPEG1,2,4	EAC3/ AC3	
	.mp4	MPEG4 Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2 H.264	PCM/MP3	
	.avi	MPEG2, MPEG4		
		Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2 H.264	PCM	
Music	.mp3	-	MPEG 1 Layer 1 / 2 (MP3)	32Kbps ~ 320Kbps(Bit rate) 32KHz ~ 48KHz(Sampling rate)
Photo	.jpg .jpeg	Baseline JPEG	-	max WxH = 15360x8640 4147200bytes
	.	Progressive JPEG	-	max WxH = 9600x6400 3840000bytes
	.bmp	-	-	max WxH = 9600x6400 3840000bytes
Subtitle	.sub .srt	-	-	-

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
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	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	24Hz	O
	1080P	25Hz	O
	1080P	30Hz	O
	1080P	50Hz	O
	1080P	60Hz	O

(X: Not Available, O: Available)

In some cases a signal on the LED TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment . If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

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