22HFL2869P/12
24HFL2869T/12
32HFL2869T/12
39HFL2869T/12
43HFL2869T/12
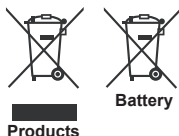**48HFL2869T/12**
49HFL2869T/12

User manual

PHILIPS

Contents

'Read and understand all information in this manual and in the accompanying Safety booklet before you install and use your TV. If damage is caused by failure to follow these instructions, the warranty does not apply.'

Disposal of old Equipment and Batteries

Please do not disposed this TV or battery as general household waste. If you want to dispose this 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.

Battery

Products

IMPORTANT - Please read these instructions and the accompanying Safety booklet fully before installing or operating

• Use this TV set at an altitude of less than 2000 meters above the sea level, in dry locations and in regions with moderate or tropical climates.

• To avoid danger of suffocation, keep plastic bags out of the reach of the babies, children and domestic animals.

• Carefully attach the stand to the TV. If the stand is provided with screws, tighten the screws firmly to prevent the TV from tilting. Do not over-tighten the screws and mount the stand rubbers properly.

• The TV set is intended for household and similar general use but may also be used in public places.

Markings on the Product

The following symbols are used on the product as a marker for restrictions and precautions and safety instructions. Each explanation shall be considered where the product bears related marking only. Note such information for security reasons.

Class II Equipment: This appliance is designed in such a way that it does not require a safety connection to electrical earth.

Class II Equipment With Functional Earthing: This appliance is designed in such a way that it does not require a safety connection to electrical earth, the earth connection is used for functional purposes.

Protective Earth Connection: The marked terminal is intended for connection of the protective earthing conductor associated with the supply wiring.

Hazardous Live Terminal: The marked terminal(s) is/are hazardous live under normal operating conditions.

Caution, See Operating Instructions: The marked area(s) contain(s) user replaceable coin or button cell batteries.

CLASS 1 LASER PRODUCT

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

WARNING

Do not ingest the battery, Chemical Burn Hazard
This product or the accessories supplied with the product may contain a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children.
If the battery compartment does not close securely, stop using the product and keep it away from children.
If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

WARNING

Never place a television set in unstable or inclined locations. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as;
• Using cabinets or stands recommended by the manufacturer of the television set.
• Only using furniture that can safely support the television set.
• Educating children about the dangers of climbing on furniture to reach the television set or its controls. If your existing television set is being retained and relocated, the same considerations as above should be applied.

WALL MOUNTING WARNINGS

• Read the instructions before mounting your TV on the wall.
• The wall mount kit is optional. You can obtain from your local dealer, if not supplied with your TV.
• Do not install the TV on a ceiling or on an inclined wall.
• Use the specified wall mounting screws and other accessories.
• Tighten the wall mounting screws firmly to prevent the TV from fall. Do not over-tighten the screws.

WARNING

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

Use Your TV

Remote Control

1. **Standby:** Switches On / Off the TV

2. **Text:** Displays teletext (where available), press again to superimpose the teletext over a normal broadcast picture (mix)

3. **Stop:** Stops the media being played

4. **Screen:** Changes the aspect ratio of the screen

5. **Source:** Shows all available broadcast and content sources

6. **Menu:** Displays TV menu

7. **Swap:** Quickly cycles between previous and current channels or sources

8. **Navigation buttons:** Helps navigate menus, content etc. and displays the subpages in TXT mode when pressed Right or Left

9. **Programme - / Page +**

10. **Volume -**

11. **Green button:** Follow the on-screen instructions for coloured button functions

12. **Red button:** Follow the on-screen instructions for coloured button functions

13. **Numeric buttons:** Switches the channel, enters a number or a letter in the text box on the screen.

14. **Subtitles:** Turns subtitles on and off (where available)

15. **Language:** Switches between sound modes (analogue TV), displays and changes audio/subtitle language (digital TV, where available)

16. **Blue button:** Follow the on-screen instructions for coloured button functions

17. **Yellow button:** Follow the on-screen instructions for coloured button functions

18. **Volume +**

19. **Mute:** Completely turns off the volume of the TV

20. **Programme + / Page -**

21. **Return/Back:** Returns to previous screen, opens index page (in TXT mode)

22. **OK:** Confirms user selections, holds the page (in TXT mode), views channel list

23. **Info:** Displays information about on-screen content, shows hidden information (reveal - in TXT mode)

24. **Play:** Starts to play selected media

25. **Pause:** Pauses the media being played

26. **Sleep:** Sets your TV to shut down automatically

27. **EPG (Electronic programme guide):** Displays the electronic programme guide

Teletext

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

Digital teletext

Press **Text** button to view digital teletext information. Operate it with the colored 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.

Note: The Remote Control range is approximately 7m / 23ft.

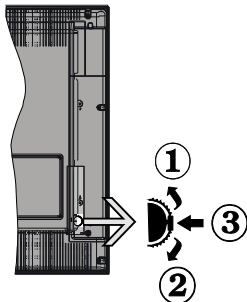## Notifications, features and accessories

Energy efficiency

This TV is designed with energy efficieny features:

• **Energy Saving:** You can apply a combination of energy saving picture settings. While you watch TV, press the **Menu** button and, the **Energy Saving** settings can be found in the **Picture** section of the Main Menu.

• **Picture off mode:** If you only want to listen to audio from the TV, you can switch off the display. Other functions continue to operate normally. While you watch TV, press **Menu** button and select **Picture**, and from there select the **Energy Saving** option. Press Right button while **Auto** option is selected or Left button while **Custom** option is selected. A message will be displayed on the screen. Select **Proceed** and press **OK** to turn the screen off immediately. If you don't press any button, the screen will be off in 15 seconds. Press any button on the remote or on the TV to turn the screen on again.

Note: Screen Off option is not available if the Mode is set to Game. Disconnect your TV from the mains plug in case your TV is going to be inactive for a long time.

TV scroll button

The TV Scroll button on the side of the TV allows you to control the volume, change channels and put the TV into standby.

To change volume: Increase the volume by scrolling up. Decrease the volume by scrolling down.

To change channel:

• Press the middle of the scroll button in, the channel information banner will appear on screen.

• Scroll through the stored channels by pushing the button up or down.

To change source:

• Press the middle of the button in twice(for the second time in total), the source list will appear on screen.

• Scroll through the available sources by pushing the button up or down.

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

To switch the TV on from standby: Press the middle of the button in, the TV will turn on.

Notes:

If you turn the TV off, this circle starts again beginning with the volume setting.

Main menu OSD cannot be displayed via control button.

Switching on/off

To switch the TV on

To switch on the TV from standby mode either:

• Press the **Standby** button, **Programme +/-** or a numeric button on the remote control.

• Press the middle of the side function switch on the TV in.

*Note: If the TV has been left on and not been operated for a while, the TV will go into standby. When you next switch-on, the following message will be displayed. "**Standby Cause No Operation**", Press OK to continue.*

To switch the TV off

• Press the **Standby** button on the remote control or press the middle of the side function switch on the TV in and hold it down for a few seconds, the TV will switch into standby mode.

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

First time installation

You will see the language selection screen when you first turn on your TV. Select your preferred language and press **OK**.

Note: Depending on the Country selection you may be asked to set and confirm a PIN at this point. The selected PIN cannot be 0000. You have to enter it if you are asked to enter a PIN for any menu operation later.

If a USB device is connected to the TV, you can press the GREEN button on the remote before continuing, in order to load the NVRAM data (service list, preferences, etc.) from the USB device which is uploaded from another Philips Hotel TV. Refer to the "Copy To USB" and "Copy From USB" sections under the Hotel Mode title on the pages at the end of this manual.

If the correct software update file is pre-installed in the USB device, you can press the RED button on the remote before continuing, in order to upgrade your TV's software. The software update file should be named as "VES171HE_upgrade.bin" or "philips_upgrade_mb140.bin".

Software upgrade via an USB device can be done anytime by using the hidden key combination, "Menu-1-5-0-5".

On the next screen, set your preferences using the directional buttons and when finished, press **OK** to continue.

You can set up your TV by following the First Time Installation (FTI) screen with the following selections.

Digital Aerial installation

If **Digital Aerial** broadcast search option is turned on, the TV will search for digital terrestrial broadcasts after other initial settings are completed.

Digital Cable installation

If **Digital Cable** broadcast search option is turned on, the TV will search for digital cable broadcasts after other initial settings are completed. According to your other preferences a confirmation message may be displayed before starting to search. For automatic installation in case your Cable network supplier supports a Network-ID based installation (e.g. Unitymedia), select **Yes** and press **OK**.

In case your Cable network supplier does not support a Network-ID based installation please select **No**, press **OK** and follow the instruction on the screen.

You can also select frequency ranges from this screen. Enter the frequency range manually by using the numeric buttons.

*Note: Searching duration will change depending on the selected **Search Step**.*

Analogue installation

If **Analogue** broadcast search option is turned on, the TV will search for analogue broadcasts after other initial settings are completed.

Additionally you can set a broadcast type as your favourite one. Priority will be given to the selected broadcast type during the search process and the channels of it will be listed on the top of the **Channel List**. When finished, press **OK** to continue.

Home Mode / Store Mode selection screen follows. It is recommended to select **Home Mode** for home use.

After the initial settings are completed TV will start to search for available broadcasts of the selected broadcast types.

While the search continues a message may appear, asking whether you want to sort channels according to the LCN**(*)**. Select **Yes** and press **OK** to confirm.

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

After all the available stations are stored, scan results will be displayed. Press **OK** to continue. The **Edit Channel List** will be displayed next. Press **Menu** button to quit **Edit Channel List** and watch TV.

Note: Do not turn off the TV while initializing first time installation. Note that, some options may not be available depending on the country selection.

Play media files from a USB drive

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

To enable **Auto Play** feature highlight this option in the **Settings** menu and set as **On** using the directional buttons. When this feature is enabled, the TV detects connected USB devices and searchs for media files.

Photo files are searched first. If no photo files are found, the program searches for Video files. If no Video files are found, the program searchs for Audio files.

After finding a file to play, the format of this file will be selected as a constant choice and each file with this format will be played in an infinite loop. Using the remote control to exit etc. will interrupt the playing of the file(s) and break the play loop.

When the TV cannot find any media files, the main media browser menu will be displayed on the screen. Set the **View Style** as **Flat** to make all files searched in all sub-folders in the USB device.

Note: If the TV is in standby mode, this feature will not be available.

IMPORTANT! Back up your files before making any connections to the TV. The manufacturer will not be responsible for any file damage or data loss. Certain types of USB devices, for example, MP3 players or USB hard disk drives/memory sticks may not be compatible with this TV.

Media browser menu

Loop/Shuffle Mode Operation	
Start playback with the **Play** button and activate 🔁	All files in the list will be continuously played in original order
Start playback with the **OK** button and activate 🔁	The same file will be played continuously (repeat)
Start playback with the **Play** button and activate 🔀	All files in the list will be played once in random order
Start playback with the **Play** button and activate 🔀, 🔁	All files in the list will be continuously played in the same random order

CEC

This function allows to control the CEC-enabled devices, that are connected through HDMI ports by using the remote control of the TV.

The **CEC** option in the **Settings>More** menu should be set as **Enabled** at first. Press the **Source** button and select the HDMI input of the connected CEC device from the **Sources list** menu. When new CEC source device is connected, it will be listed in source menu with its own name instead of the connected HDMI ports name(such as DVD Player, Recorder 1 etc.).

The TV remote is automatically able to perform the main functions after the connected HDMI source has been selected.

To terminate this operation and control the TV via the remote again, press and hold the "0-Zero" button on the remote control for 3 seconds. This feature can also be enabled or disabled under the **Settings>More** menu.

The TV supports also ARC(Audio Return Channel) feature. This feature is an audio link meant to replace other cables between the TV and the audio system (A/V receiver or speaker system).

When ARC is active, TV does not mute its other audio outputs automatically. So you need to decrease TV volume to zero manually, if you want to hear audio from connected audio device only (same as other optical or co-axial digital audio outputs). If you want to change connected device's volume level, you should select that device from the source list. In that case volume control keys are directed to connected audio device.

Note: ARC is supported only via the HDMI1 input.

System Audio Control

Allows an Audio Amplifier/Receiver to be used with the TV. The volume can be controlled using the remote control of the TV. To activate this feature set the **Speakers** option in the **Settings>More** menu as **Amplifier**. The TV speakers will be muted and the sound of the watched source will be provided from the connected sound system.

*Note: The audio device should support System Audio Control feature and **CEC** option should be set as **Enabled**.*

Change TV settings

To access the options listed below;

1- Press the **Menu** button

2- Highlight your selection

3- Press **OK** to confirm

Display options

Mode: Changes the picture mode to one of the following: **Cinema**, **Game(*)**, **Sports**, **Dynamic** and **Natural**.

*(*) **Game** mode option may not be available depending on the current source selection.*

Contrast: Sets the light and dark values of the image.

Brightness: Sets the brightness value of the image.

Sharpness: Sets the sharpness value. A high sharpness value may result in a clearer, crisper image depending on the content.

Colour: Sets the color value.

Backlight: Controls the brightness of the backlight. The backlight function will be inactive if the **Energy Saving** is set to an option other then **Custom**.

Sound options

Volume: Adjusts volume level.

Equalizer: Changes the equalizer mode.

Balance: Adjusts whether the sound is coming mainly from the right or left speakers.

Headphone: Sets headphone volume. This option will be inactive if the **Headphone/Lineout** option is set to **Lineout**.

Sound mode: Sets the preferred sound mode.

AVL: Sets a limit to maximum volume output.

Headphone/Lineout: This option should be set to **Headphone** if you have headphones or **Lineout** if you have external amplifier connected to the headphone jack.

Dynamic bass: Enables or disables the Dynamic Bass. Increases the range of bass.

Digital Out: Sets digital out audio type.

Configuring parental settings

This feature is for restricting access to selected content. It is controlled by a pin number defined by you. These settings are located in the **Settings>Parental** menu.

*Note: Default PIN can be set to **0000** or **1234**. If you have defined the PIN(is requested depending on the country selection) during the **First Time Installation** use the PIN that you have defined.*

*Some options may not be available depending on the country selection in the **First Time Installation**.*

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

Maturity lock (optional): If this option is set, TV gets the maturity information from the broadcast and if this maturity level is disabled, disables access to the broadcast.

*Note: If the country option in the **First Time Installation** is set as France, Italy or Austria, **Maturity Lock**'s value will be set to 18 as default.*

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

Guidance (optional): This setting enables or disables access some of the MHEG applications. Disabled applications can be released by entering the right PIN.

Set PIN: Defines a new PIN number.

Default CICAM PIN: This option will appear as greyed out if no CI module is inserted into the CI slot of the TV. You can change the default PIN of the CI CAM using this option.

Electronic program guide (EPG)

Some channels send information about their broadcast schedules. Press the **Epg** button to view the EPG menu.

There are 3 different types of schedule layouts available, **Timeline Schedule**, **List Schedule** and **Now/Next Schedule**. To switch between them follow the instructions on the bottom of the screen.

Timeline Schedule

Zoom (Yellow button): Press the **Yellow** button to see events in a wider time interval.
Filter (Blue button): Views filtering options.
Highlight Genre (Subtitles button): Displays **Highlight Genre** menu. Using this feature, you can search the program guide database in accordance with the genre. Info available in the program guide will be searched and results matching your criteria will be highlighted.
Options (OK button): Displays event options.
Event Details (Info button): Displays detailed information about selected events.
Next/Prev Day (Program +/- buttons): Displays the events of previous or next day.
Search (Text button): Displays **Guide Search** menu.
Now (Swap button): Displays current event of the highlighted channel.

List Schedule(*)

(*) In this layout option, only the events of the highlighted channel will be listed.

Prev. Time Slice (Red button): Displays the events of previous time slice.
Next/Prev Day (Program +/- buttons): Displays the events of previous or next day.
Event Details (Info button): Displays detailed information about selected events.
Filter (Text button): Views filtering options.
Next Time Slice (Green button): Displays the events of next time slice.
Options (OK button): Displays event options.

Now/Next Schedule

Options (OK button): Displays event options.

Event Details (Info button): Displays detailed information about selected events.
Filter (Blue button): Views filtering options.

Event Options

In EPG menu, press the **OK** button to open the **Event Options** menu.
Select Channel: In EPG menu, using this option, you can switch to the selected channel.
Set Timer on Event / Delete Timer on Event: After you have selected an event in the EPG menu, press the **OK** button. Select the **Set Timer on Event** option and press the **OK** button. You can set a timer for future events. To cancel an already set timer, highlight that event and press the **OK** button. Then select **Delete Timer on Event** option. The timer will be cancelled.

Update your TV

Navigate on your main menu, choose **Settings>More**, the version of the current software is displayed.

CAUTION: Do not install a lower version of software than the current version installed on your product. TP Vision cannot be held liable or be made responsible for problems caused by a software downgrade.

Update with USB

Before you update the software, make sure that you have:

• A USB storage device that has at least 256 megabytes of storage space, is FAT32 or DOS formatted and has its write protection disabled.

• Access to a computer with a USB connector and Internet access.

Navigate to www.philips.com/support, and follow the software update instructions.

Automatic update from digital broadcast

While the TV is connected to an aerial signal. If **Automatic scanning** in the **Upgrade options** menu is **Enabled**, the TV wakes up at 03:00 and searches broadcast channels for new software upgrades. If new software is found and downloaded successfully, the next time the TV powers up , it will have the new software version. To open the **Upgrade options** menu, enter the **Settings>More** menu, highlight **Software upgrade** and press the **OK** button.

Note: Do not unplug the power cord while led is blinking during the reboot process. If the TV fails to come on after the upgrade unplug the TV for 2 minutes and plug in again.

Troubleshooting & Tips

Tv will not turn on

Make sure the power cord is plugged in securely to wall outlet. Check if batteries are exhausted. Press the Power button on the TV.

Poor picture

• Check if you have selected the correct TV system.

• Low signal level can cause picture distortion. Please check antenna access.

• Check if you have entered the correct channel frequency if you have done manual tuning.

• The picture quality may degrade when two devices are connected to the TV at the same time. In such a case, disconnect one of the devices.

No picture

• This means your TV is not receiving any transmission. Make sure the correct source has been selected.

• Is the antenna connected properly?

• Is the antenna cable damaged?

• Are suitable plugs used to connect the antenna?

• If you are in doubt, consult your dealer.

No sound

• Check if the TV is muted. Press the **Mute** button or increase the volume to check.

• Sound may be coming from only one speaker. Check the balance settings from **Sound** menu.

Remote control - no operation

• The batteries may be exhausted. Replace the batteries.

Input sources - can not be selected

• If you cannot select an input source, it is possible that no device is connected. If not;

• Check the AV cables and connections if you are trying to switch to the input source dedicated to the connected device.

PC Input Typical Display Modes

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

Index	Resolution	Frequency
1	640x480	60 Hz
2	800x600	56 Hz
3	800x600	60 Hz
4	1024x768	60 Hz
5	1024x768	66 Hz
6	1280x768	60 Hz
7	1280x960	60 Hz
8	1280x1024	60 Hz
9	1360x768	60 Hz
10	1400x1050	60 Hz
11	1600x1200	60 Hz
12	1920x1080	60 Hz

AV and HDMI Signal Compatibility

Source	Supported Signals		Available
EXT (SCART)	PAL		O
	SECAM		O
	NTSC4.43		O
	NTSC3.58		O
	RGB 50/60		O
Side AV	PAL		O
	SECAM		O
	NTSC4.43		O
	NTSC3.58		O
PC/YPbPr	480i, 480p	60Hz	O
	576i, 576p	50Hz	O
	720p	50Hz,60Hz	O
	1080i	50Hz,60Hz	O
HDMI	480i, 480p	60Hz	O
	576i, 576p	50Hz	O
	720p	50Hz,60Hz	O
	1080i	50Hz,60Hz	O
	1080p	24Hz, 25Hz, 30Hz, 50Hz, 60Hz	O

Supported File Formats for USB Mode

Media	Extension	Format	Notes
Video	.mpg, .mpeg	MPEG1-2	MPEG1: 768x576 @ 30P, MPEG2:1920x1080 @ 30P
	.vob	MPEG2	1920x1080 @ 30P
	.mp4	MPEG4, Xvid, H.264	
	.mkv	H.264, MPEG4,VC-1	
	.avi	MPEG2, MPEG4, Xvid, H.264	
	.flv	H.264/VP6/ Sorenson	H.264/VP6: 1920x1080 @ 30P Sorenson: 352x288 @ 30P
	.mp4, .mov, .3gpp, .3gp, MPEG transport stream, .ts,.trp, .tp, .mkv	HEVC/H.265	1080P@60fps - 50Mbps
	.3gp	MPEG4 , H.264	1920x1080 @ 30P
Audio	.mp3	MPEG1 Layer 2/3	Layer2: 32Kbps ~ 448Kbps (Bit rate) / 32kHz, 44.1kHz, 48kHz, 16kHz, 22.05kHz, 24kHz (Sampling rate) Layer3: 32Kbps ~ 320Kbps (Bit rate) / 32kHz, 44.1kHz, 48kHz, 16kHz, 22.05kHz, 24kHz, 8kHz, 11.025kHz, 12kHz (Sampling rate)
	(works only with video files)	AC3	32Kbps ~ 640Kbps (Bit rate) / 32kHz, 44.1kHz, 48kHz (Sampling rate)
		AAC	16Kbps ~ 576Kbps (Bit rate) / 48kHz, 44.1kHz, 32kHz, 24kHz, 22.05kHz, 16kHz, 12kHz, 11.025kHz, 8kHz (Sampling rate)
		EAC3	32Kbps ~ 6Kbps (Bit rate) / 32kHz, 44.1kHz, 48kHz (Sampling rate)
		LPCM	Unsigned 8bit PCM, Signed/Unsigned 16bit PCM (big / little endian), 24bit PCM (big endian), DVD LPCM 16/20/24bit (Bit rate) / 6kHz, 8kHz, 11.025kHz, 12kHz, 16kHz, 22.05kHz, 24kHz, 32kHz, 44.1kHz, 48kHz , 88.2kHz, 96kHz, 176.4kHz, 192kHz (Sampling rate)
		IMA-ADPCM/ MS-ADPCM	384Kbps (Bit rate) / 8KHz ~ 48Khz (Sampling rate)
		LBR	32Kbps ~ 96Kbps (Bit rate) / 32kHz, 44.1kHz, 48kHz (Sampling rate)
Picture	.jpeg	Baseline	Resolution(WxH): 17000x10000
		Progressive	Resolution(WxH): 4000x4000
	.bmp	-	Resolution(WxH): 5760x4096
Subtitle	.sub, .srt	-	-

Specification

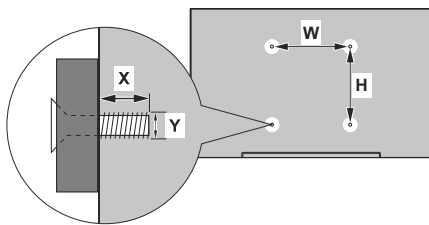|	
TV Broadcasting	PAL BG/I/DK/LL' SECAM BG/DK
Receiving Channels	VHF (BAND I/III) - UHF (BAND U) - HYPERBAND
Digital Reception	Fully integrated digital terrestrial-cable-satellite TV(DVB-T-C-S) (DVB-T2, compliant)
Number of Preset Channels	1.000
Channel Indicator	On Screen Display
RF Aerial Input	75 Ohm (unbalanced)
Operating Voltage	220-240V AC, 50Hz.
Audio	German+Nicam Stereo
Operation temperature and operation humidity	0ºC up to 40ºC, 85% humidity max

Display	22"	24"	32"
Audio Output Power (WRMS.) (10% THD)	2x2,5W	2x2,5W	2x6W
Power Consumption (W)	45W	45W	65W
Weight (Kg)	3,35 kg	3,40 kg	5,45 kg
TV Dimensions DxLxH (with foot) (mm)	134,2x516,4x352,5 mm	134x554,4x370,6 mm	184,9x734,8x476,2 mm
TV Dimensions DxLxH (without foot) (mm)	34,7 x516x317,4 mm	35,2(min)/61,2(max)x554.4x336,2 mm	76,8(min)/89,2(max)x734,8x437,5 mm

Display	39"	43"	48"
Audio Output Power (WRMS.) (10% THD)	2 x 8W	2x8W	2x8W
Power Consumption (W)	75W	75W	75W
Weight (Kg)	9,20 kg	9,20 kg	10,60 kg
TV Dimensions DxLxH (with foot) (mm)	219,9 x 889,2 x 563,1 mm	219,9x974,2x614,8 mm	219,9x1092,7x680,7 mm
TV Dimensions DxLxH (without foot) (mm)	78,8/97,4 x 889,2 x 523,1 mm	64(min)/93(max)x974,2x572mm	80,5(min)/108,7(max)x1092,7x641,8 mm

Display	49"		
Audio Output Power (WRMS.) (10% THD)	2x8W		
Power Consumption (W)	75W		
Weight (Kg)	11,20 kg		
TV Dimensions DxLxH (with foot) (mm)	219,9x1111,4x691,5 mm		
TV Dimensions DxLxH (without foot) (mm)	59,5(min)/91,2(max)x1111,4x-652,9mm		

A	VESA WALL MOUNT MEASUREMENTS (39" / 43" / 48" / 49")		
B	Hole Pattern Sizes (mm)	**W**	**H**
		200	200
C	Screw Sizes		
D	Length (X)	min. (mm)	10
		max. (mm)	13
E	Thread (Y)	M6	

A	VESA WALL MOUNT MEASUREMENTS (22" / 24")		
B	Hole Pattern Sizes (mm)	**W**	**H**
		75	75
C	Screw Sizes		
D	Length (X)	min. (mm)	5
		max. (mm)	8
E	Thread (Y)	M6	

A	VESA WALL MOUNT MEASUREMENTS (32")		
B	Hole Pattern Sizes (mm)	**W**	**H**
		200	100
C	Screw Sizes		
D	Length (X)	min. (mm)	5
		max. (mm)	8
E	Thread (Y)	M6	

	A	B	C	D	E
English	VESA WALL MOUNT MEASUREMENTS	Hole Pattern Sizes (mm)	Screw Sizes	Length (X)	Thread (Y)
Deutsch	MASSANGABEN FÜR VESA-WANDMONTAGE	Lochmustergrößen (mm)	Schraubengrößen	Länge (X)	Gewinde (Y)
Français	DIMENSIONS DU SUPPORT DE FIXATION MURALE VESA	Dimensions des modèles de trous de montage (mm)	Dimensions des vis	Longueur (X)	Filetage (Y)
Italiano	Misurazioni installazione a parete VESA	Dimensioni schema foro (mm)	Dimensioni vite	Lunghezza (X)	Filettatura (Y)
Português	MEDIÇÕES DE MONTAGEM MURAL VESA	Dimensões do molde de furação (mm)	Tamanhos do parafuso	Comprimento (X)	Rosca (Y)
Español	MEDIDAS DEL MONTAJE DE PARED VESA	Tamaños de patrón para agujero (mm)	Tamaños de tornillo	Longitud (X)	Rosca (Y)
Türkçe	VESA DUVARA MONTAJ APARATI ÖLÇÜLERİ	Açılacak Delik Ölçüleri (mm)	Vida Ölçüleri	Uzunluk (X)	Yüzey (Y)
Ελληνικ	ΔΙΑΣΤΑΣΕΙΣ ΒΑΣΗΣ ΤΟΙΧΥ VESA	Μεγέθη σχήματος οπών (mm)	Μεγέθη βιδών	Μήκος (X)	Σπείρωμα (Y)
Polski	WYMIARY DO MONTAŻU NAŚCIENNEGO VESA	Rozmiary szablonu otworów (mm)	Rozmiary wkrętów	Długość (mm)	Gwint (Y)
čeština	ROZMĚRY DRŽÁKU NA ZEĎ VESA	Rozměry velikosti děr (mm)	Rozměry šroubů	Délka (X)	Závit (Y)
Magyar	VESA FALI TARTÓ MÉRETEK	Lyukak méretének nagysága(mm)	Csavar méret	Hossz (X)	Menet (Y)
Română	MĂSURĂTORI SUPORT PERETE VESA	Dimensiuni tipar gaură (mm)	Dimensiuni şuruburi	Lungime (X)	Filet (Y)
Svenska	VESA VÄGGMONTERINGSMÅTT	Hålmönsterstorlear (mm)	Skruvstorlekar	Längd (X)	Träd (Y)
Nederlands	VESA WANDMONTAGE METINGEN	Grootte booropening (mm)	Schroefgrootte	Lengte (X)	Draad (Y)
Suomi	VESA-SEINÄASENNUKSEN MITAT	Reikäkuvion koot (mm)	Ruuvinkoot	Pituus (x)	Kierre (Y)
Norsk	VESA VEGGMONTERINGSMÅL	Hullmønster størrelser (mm)	Skruestørrelser	Lengde (x)	Träd (Y)
Dansk	VESA VÆGMONTERINGS-MÅL	Hulmønster-størrelser (mm)	Skruestørrelser	Længde(X)	Träd (Y)
Русский	РАЗМЕРЫ НАСТЕННОГО КРЕПЛЕНИЯ VESA	Размеры системы отверстий	Размеры винтов	Длина(X)	Резьба (Y)
беларуская	ПАМЕРЫ НАСЦЕННАГА МАЦАВАННЯ VESA	Памеры сістэмы адтулін	Памеры вінтоў	Даўжыня (X)	Разьба (Y)
македонски	МЕРКИ ЗА МОНТИРАЊЕ НА ЅИД ЗА „ВЕСА"	Шема за големини на дупката (мм)	Големина на шрафот	Должина (X)	Навој (Y)
українській	РОЗМІРИ НАСТІННОГО КРІПЛЕННЯ VESA	Відстань між кріпильними отворами, мм	Розміри гвинтів	Довжина (X)	Діаметр різьби (Y)
Srpski	DIMENZIJE VESA ZIDNOG NOSAČA	Dimenzije šablona za bušenje	Dimenzije zavrtnjeva	Dužina (X)	Navoj (Y)
Slovenčina	ROZMERY DRŽIAKA NA STENU VESA	Rozmery veľkosti dier (mm)	Rozmery skrutiek	Dĺžka (X)	Závit (Y)
Slovenščina	MERE STENSKEGA NOSILCA VESA	Velikosti vzorca lukenj (mm)	Velikosti vijakov	Dolžina (X)	Navoj (Y)
Hrvatski	VESA MJERE ZIDNOG DRŽAČA	Veličine uzorka otvora (mm)	Veličine vijka	Dužina (X)	Navoj (Y)
Bosanski	DIMENZIJE VESA ZIDNOG NOSAČA	Dimenzije šablona za bušenje	Dimenzije vijaka	Dužina (X)	Navoj (Y)
Български	РАЗМЕРИ ЗА КОМПЛЕКТ ЗА МОНТАЖ НА СТЕНА VESA	Размери на отвора (mm)	Размер на болта	Дължина (X)	Резба (Y)
Lietuvių	VESA TVIRTINIMO PRIE SIENOS MATAVIMAI	Angos šablono dydis (mm)	Varžtų dydis	Ilgis (X)	Sriegis (Y)
Latviešu	VESA SIENAS STIPRINĀJUMA IZMĒRI	Caurumu šablona izmēri (mm)	Skrūvju izmēri	Garums (X)	Vītne (Y)
Eesti	VESA SEINALE KINNITAMISE MÕÕDUD	Kruvi suuruse mõõt (mm)	Kruvi suurus	Kõrgus(x)	Keere (Y)
Shqip	PËRMASAT E NJËSISË SË MONTIMIT NË MUR VESA	Madhësitë modele të vrimave (mm)	Madhësitë e vidhave	Gjatësia (X)	Fíletimi (Y)
عربي	مقاييس VESA للتثبيت على الجدار	أحجام الثقوب (مم)	أحجام البراغي	الطول (X)	السن (Y)
עברית	מידות מתקן התלייה על הקיר מסוג VESA	גודל תבנית החורים (מ"מ)	גודל הברגים	אורך (X)	תבריג (Y)
فارسی	اندازه گیری اتصال دیواری VESA	اندازه های گوی سوراخ (میلی متر)	اندازه های پیچ	طول (X)	رشته (Y)

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