5073 series

User Manual

40PFS5073/60

PHILIPS

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Get Support

Identify and Register your TV

Identify your TV - TV model number and serial number

You might be asked to provide the TV product model number and serial number. Find these numbers on the packaging label or on the type label on the back or bottom of the TV.

Register your TV

Register your TV and enjoy a range of benefits including full support (including downloads), privileged access to information about new products, exclusive offers and discounts, the chance to win prizes and even participate in special surveys about new releases.

Go to   www.philips.com/welcome

TV Help and User Manual

Press 🏠 HOME > Utilities > Help

In Help menu, you can easily get software updated, reset TV to default settings, and read user manual.
– Software update(USB): Check available software updates.
– User manual: Read the user manual for TV information.
– Troubleshooting: Find a solution for frequent ask questions.
– Factory settings: Reset all settings to factory settings.
– Reinstall TV: Reinstall and redo the complete TV installation.
– Contact info: Show the telephone number or web address for your country or region.

On-line Help and User Manual

To solve any Philips TV related problem, you can consult our online support. You can select your language and enter your product model number.
Go to www.philips.com/support.
On the support site you can find your country's

telephone number to contact us as well as answers to frequently asked questions (FAQs). In some countries, you can chat with one of our collaborators and ask your question directly or send a question by email. You can download new TV software or the manual to read on your computer.
For more TV troubleshooting and frequently asked questions (FAQs)...
Go
to http://philips-tvconsumercare.kxondemand.com/portal/en/ModelSelect
TV Help on your tablet, smartphone or computer
To carry out extended sequences of instructions more easily, you can download the TV Help in PDF format to read on your smartphone, tablet or computer. Alternatively, you can print the relevant Help page from your computer.
To download the Help (user manual) go
to www.philips.com/support

Consumer Care / Repair

For support and repair, call the Consumer Care hotline in your country. Our service engineers will take care of a repair, if necessary.

Find the telephone number in the printed documentation that came with the TV.
Or consult our
website www.philips.com/support and select your country if needed.

TV model number and serial number

You might be asked to provide the TV product model number and serial number. Find these numbers on the packaging label or on the type label on the back or bottom of the TV.

⚠ Warning

Do not attemp to repair the TV yourself. This may cause severe injury, irrepairable damage to your TV or void your warranty.

Quick Guide

## Remote Control

Batteries and Cleaning

Replace batteries

If the TV does not react on a key press on the remote control, the batteries might be empty.

To replace the batteries, open the battery compartment on the back of the remote control.

1. Slide the battery door in the direction shown by the arrow.

2. Replace the old batteries with 2 type AAA-R03-1.5V batteries. Make sure the + and the – ends of the batteries line up correctly.
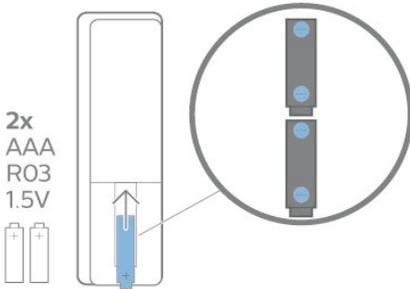
3. Reposition the battery door and slide it back until it clicks.

- Remove the batteries if you are not using the remote control for a long time.

- Safely dispose of your old batteries according to the end of use directions.

Cleaning

Your remote control is treated with a scratch-resistant coating.

To clean the remote control, use a soft damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the remote control.

Key Overview

Top
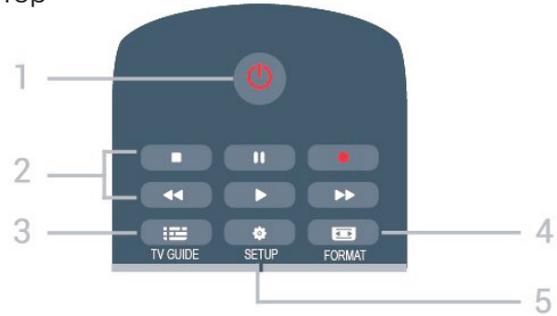
1. ⏻ Standby / On
To switch the TV on or back to Standby.

2. Playback keys
- Play ▶, to playback
- Pause ⏸, to pause playback
- Stop ■, to stop playback
- Rewind ◀◀, to rewind
- Fast forward ▶▶, to go fast forward
- Record ●, to record now

3. ☰ TV GUIDE
To open or close the TV Guide.

4. ⬛ FORMAT
To adjust the screen format.

5. ⚙ SETUP
To open the Settings menu.

Middle
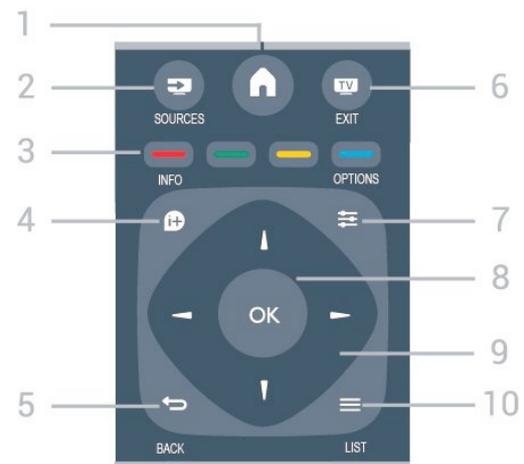
1. ⌂ HOME
To open or close the home menu.

2. ⬏ SOURCES
To open or close the Sources menu – the list of connected devices.

3. Colour keys
The buttons function follow the on-screen instructions.

4. ⓘ INFO
To open or close programme infomation.

5. ↩ BACK

To switch back to the previous channel you selected.
To close a menu without changing a setting.

6. 📺 EXIT

To close OSD menu or switch back to watching TV.

7. ⇄ OPTIONS

To open or close the Options menu.

8. OK key

To confirm a selection or setting.

9. Arrow / navigation keys

To navigate up, down, left or right.

10.≡ LIST

To open or close the channel list.

Bottom
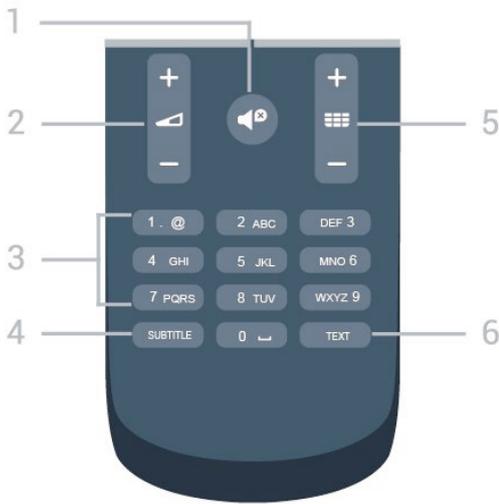
1. 🔇 Mute

To mute the sound or to restore it.

2. ◁ Volume

To adjust the volume level.

3. Number keys

To select a TV channel directly.

4. SUBTITLE

To switch the subtitles on/off, select a subtitle.

5. ⊞ Channel

To switch to the next or previous channel in the channel list. To open the next or previous page in Text/Teletext.

6. TEXT

To open or close Text / Teletext.

IR sensor

The TV can receive commands from a remote control that uses IR (infrared) to send commands. If you use such a remote control, always make sure you point the remote control at the infrared sensor on the front of the TV.
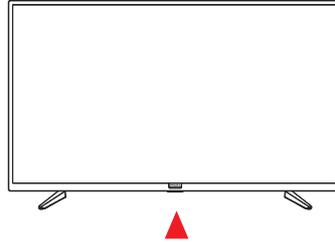
⚠ Warning

Do not put any objects in front of IR sensor of the TV, it may block the IR signal.

Local Control

Keys on TV

If you lost the remote control or its batteries are empty, you can still do some basic TV operations.

To switch the TV on or back to standby.
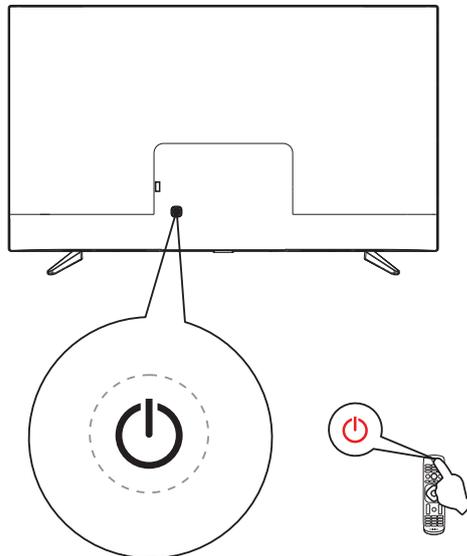
⏻ Turn on/off the TV, to cut off power supply, please unplug the power cable.

3

Setting Up

Read Safety

Read the safety instructions first before you use the TV.

To read the instructions, in User manual, see chapter Safety and Care.

TV Placement

Tips on Placement

- Position the TV where light does not shine directly on the screen.

- Position the TV up to 15 cm away from the wall.

- The ideal distance to watch TV is 3 times its diagonal screen size. When seated, your eyes should be level with the centre of the screen.
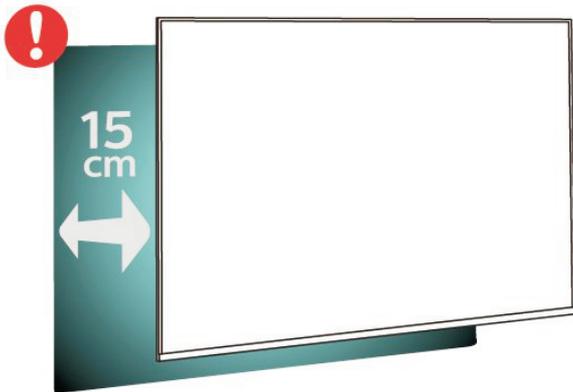
TV Stand

You can find the instructions for mounting the TV stand in the Quick Start Guide that came with the TV. In case you lost this guide, you can download it from www.philips.com.

Use the model number of the TV to look for the Quick Start Guide to download.

Wall Mounting

5073 series TV

Your TV is also prepared for a VESA–compliant wall mount bracket (sold separately).
Use the following VESA code when purchasing the wall mount . . .
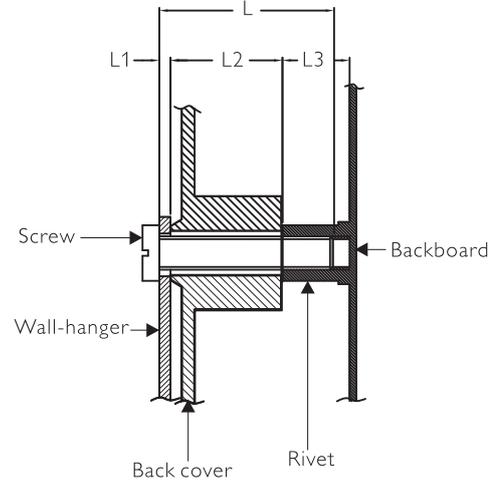
L1: Thickness of wall-hanger;
L2: Depth of back cover;
L3: Depth of rivet;
L: Recommended screw length.

Model No.	Required Pixel Pitch (mm)	Required Mounting Screws
40" :	100×100	4 × M4(L=6+L1)

Preparation

First remove the 4 plastic screw caps out of the threaded bushes on the back of the TV.
Make sure that the metal screws, to mount the TV to the VESA–compliant bracket, go about 10mm deep inside the threaded bushes of the TV.

Caution

Wall mounting the TV requires special skills and should only be performed by qualified personnel. The TV wall mounting should meet safety standards according to the TVs weight. Also read the safety precautions before positioning the TV.
TP Vision Europe B.V. bears no responsibility for improper mounting or any mounting that results in accident or injury.

Turn on TV

Connect Power Cable

- Make sure that the power plug, in the wall socket, is accessible at all times.
- When you unplug the power cable, always pull the plug, never pull the cable.
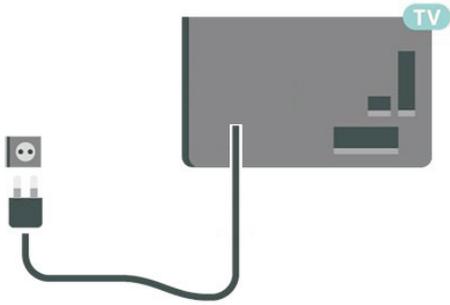
Although this TV has a very low standby power consumption, unplug the power cable to save energy if you do not use the TV for a long period of time.

Switch On or Standby

Switch On

Press the power button on the side or the back of the TV.

Switch to standby

To switch the TV to Standby, press ⏻ on the remote control.

To switch off the TV completely, disconnect the power plug.
When disconnecting the power plug, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.

Connections

Connectivity guide

Always connect a device to the TV with the highest quality connection available. Also, use good quality cables to ensure a good transfer of picture and sound.

When you connect a device, the TV recognizes its type and gives each device a correct type name. You can change the type name if you wish. If a correct type name for a device is set, the TV automatically switches to the ideal TV settings when you switch to this device in the Sources menu.

If you need help to connect several devices to the TV, you can visit the Philips TV connectivity guide. The guide offers information on how to connect and which cables to use.

Go to www.connectivityguide.philips.com

Antenna

Insert the antenna plug firmly into the Antenna socket at the back of the TV.

You can connect your own antenna or an antenna signal from an antenna distribution system.

Use this antenna connection for DVB-T and DVB-C input signals.

Satellite

Attach the satellite F-type connector to the satellite connection SAT at the back of the TV.
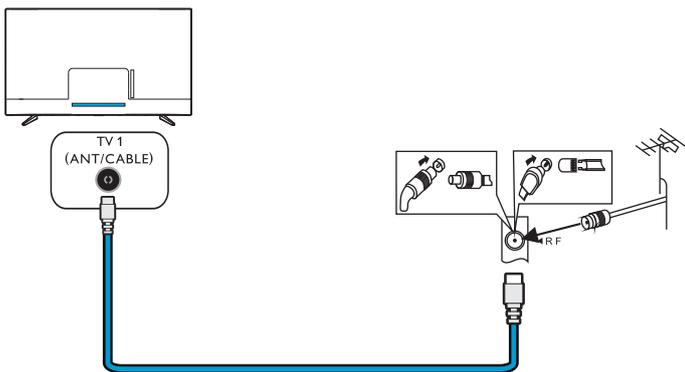
Video Device

HDMI

For best signal quality transfer, use a High speed HDMI cable and do not use an HDMI cable longer than 5 m.
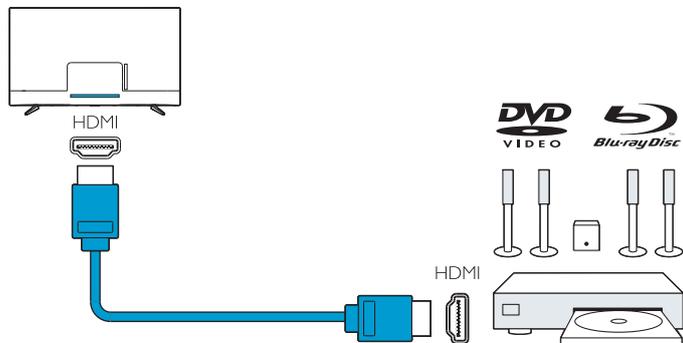
Copy protection

HDMI cables support HDCP (High-bandwidth Digital Content Protection). HDCP is a copy protection signal that prevents copying content from a DVD disc or Bluray Disc. Also referred to as DRM (Digital Rights Management).

Audio Device

HDMI ARC

Only on the TV have HDMI ARC (Audio Return Channel).

If the device, typically a Home Theatre System (HTS), also has the HDMI ARC connection, connect it to HDMI (ARC) connection on this TV. With the HDMI ARC connection, you do not need to connect the extra audio cable that sends the sound of the TV picture to the HTS. The HDMI ARC connection combines both signals.

Headphones

You can connect a set of headphones to the ⌂ connection on the side of the TV. The connection is a mini-jack 3.5mm. You can adjust the volume of the headphones separately.

Headphones

HEADPHONE	Digital Audio Output		AV - IN			HDMI 2 (ARC)	HDMI 1 (MHL) 5.0V ⎓ 900mA	TV 1 (ANT/CABLE)	TV 2 (SAT)
		VIDEO	AUDIO - L	AUDIO - R					
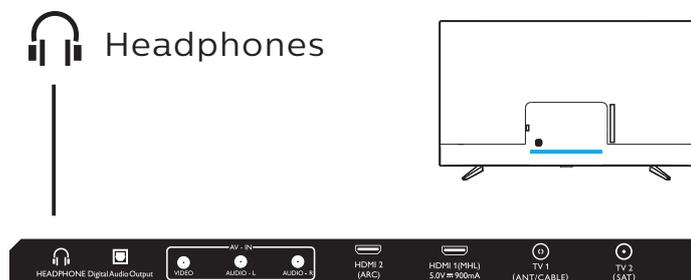
CAM with Smart Card - CI+

About CI+

This TV is ready for the CI+ Conditional Access.
With CI+ you can watch premium HD programmes, like movies and sports, offered by digital TV operators in your region. These programmes are scrambled by the TV operator and descrambled with a prepaid CI+ module.
Digital TV operators provide a CI+ module (Conditional Access Module – CAM) and an accompanying smart card, when you subscribe to their premium programmes. These programmes have a high level of copy protection.
Contact a digital TV operator for more information on terms & conditions.

USB Device

USB Flash Drive

You can view photos or play your music and videos from a connected USB flash drive. Insert a USB flash drive in the USB connection on the TV while the TV is switched on.

The TV detects the flash drive and opens a list showing its content.
If the contents list does not appear automatically, press ⤇ SOURCES and select USB.

USB
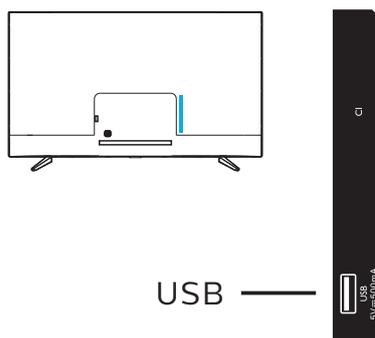
Warning

The USB Hard Drive is formatted exclusively for this TV, you cannot use the stored recordings on another TV or PC. Do not copy or change recording files on the USB Hard Drive with any PC application. This will corrupt your recordings. When you format another USB Hard Drive, the content on the former will be lost. A USB Hard Drive installed on your TV will need reformatting for use with a computer.

Sources

Switch a device signal

In the list of connections-the Source menu-you can find the devices connected to the TV. From this Source menu, you can switch to a device.

Source menu
To open the sources menu, press SOURCE key on the remote control. And then press ▲/▼ key to select the connected device, press OK key to enter the signal source.

EasyLink

With EasyLink you can operate a connected device with the TV remote control. EasyLink uses HDMI CEC to communicate with the connected devices. Devices must suppor t HDMI CEC and must be connected an HDMI connection.

Settings

Picture

Picture Setting

Press ⚙ key to show main menu, select Picture icon and press OK key to enter.

– Picture Mode: press ▲/▼ key to set the picture display mode such as: User, Dynamic, Standard, Soft.

– Colour Temperature: press ▲/▼ key to set colour temperature of picture such as: Cool, Warm, Standard.

– Aspect Ratio: press ▲/▼ key to set aspect ratio mode: Auto(Digital TV only), 4:3, 16:9, Film, Subtitle, PC Mode(HDMI only).

– Noise Reduction: press ▲/▼ key to set noise reduction of picture such as: Off, Low, Middle, High.

Sound

Sound Setting

Press ⚙ key to show main menu, select Sound icon and press OK key to enter.

- Sound Mode: press ▲/▼ key to set the sound display mode such as: User, Movie, Music, Standard.

- Balance: press ▲/▼ key to adjust balance value of sound (L50~R50).

- Surround sound: press ▲/▼ key to turn on or off surround sound.

- SPDIF Mode: press ▲/▼ key to select the SPDIF Mode of sound, such as: PCM, Auto.

- AD Switch: press ▲/▼ key to turn on or off the AD Switch.

Time

Time Setting

- Auto Sync: press OK key to select Auto Sync, than press ▲/▼ key to turn on or off.

– Clock: adjust Date and Time manually if the programme is available.

– Sleep timer: press OK key to select Sleep timer, than press ▲/▼ key to adjust the value of standby time: Off, 10 minutes, 20 minutes, 30 minutes, 60minutes, 90 minutes, 120 minutes, 180 minutes, 240 minutes.

Disable TV sleep timer:
Select the Off on the screen, then close the TV sleep timer.

– Auto Sleep: press OK key select Auto Standby, then press ▲/▼ key to adjust the time: Off, 4hours.

–Time Zone: press OK key select Time Zone, then press ▲/▼ key to adjust the time zone of different country.

Language

– OSD Language

Select a language for the TV system.

– Audio Language
Select the language for audio if the programme is available.

– Subtitle
Select the subtitle language on or off.

– Subtitle Language
Select the subtitle language if the programme is available.

Lock

– System Lock
Select turn on/off lock system. Block program option can work when it is on state (The default password: 0000).

– Set Password
Set new password.

– Block Program
Press ▬ key to lock the programme in the channel list. You needinput the right password to view the programme when it is locked.

– Parental Guidance
Adjust the programme blocking level, this function help Parents block unsuitable channel for their child age.

Note: If you forgot your password, you can override the current password using 3448 and enter a new password.

Channel

Update channels

– Programme scanning
Before you watching the programs of the TV, you need to scan the programs. (Note: Make sure that the antenna is connected properly before scanning).

– Auto Tuning
Press ✿ key to enter the main menu and select CHANNEL, press OK key to enter channel menu, select Auto Tuning, press▲/▼ key to select Tune Type: DTV+ATV, DTV, ATV, and press ▶key, you can select country where you are by pressing ▲/▼ , and then press OK key to star t searching.

– ATV Manual Tuning (ATV mode)
Select CHANNEL, press OK key to enter channel menu, select ATV Manual Tuning, then press ▶ key to enter submenu. You can press ▲/▼ key to select the item to set, and then press ◄/► key to adjust the options or search the channels by manual.

– DTV Manual Tuning (DVB mode)
Select CHANNEL, press OK key to enter channel menu, select DTV Manual Tuning, then press ◄/► key to select channel, press▲/▼ key to sleect search.

Programme Edit

Select CHANNEL, press OK key to enter channel menu, select Programme Edit, press OK key enter channel list, press ▲/▼ key to select the item you'd like to edit. You can select the color keys to edit these progammes with the tips on the screen.

- Delete: Press ▬key on the remote control to delete the selected channel.

- Move: Press ▬ key on the remote control to highlight a channel, and press ▲/▼ key to move, then press key to confirm location.

- Skip: Press ▬ key on the remote control to skip the channel, and press ▬key again to cancel it.

- Favourite: Press ▬ key on the remote control to set your favourite channel, and press ▬ key again to cancel it.

Signal information

Select CHANNEL, press OK key to enter channel menu, select Signal information, Press OK key to look through the signal information (it is available only in DTV mode).

Software Update(OAD)

Select Off or On.

PVR

Record a programme

In DTV mode, press ● (Record) key to begin recording the progamme. The recording function need connect with a USB Hard Drive formatted on the TV.
To record the programme you are watching right now, press ● (Record) key on the remote control, then the recording will start immediately. When the programme was recording , you can select ■ key to stop it.

Open or delete the list of recording

Press ✿ key and select PVR, press ▲/▼ key to select Recorded List. Press ▲/▼ key to select the recordings, and press OK key to play or press ━ key on remote control to delete the selected recording file. You can press EXIT key to quit the list.

Time-shift

Use Time-shift for a programme
In DTV mode, press ‖ key on the remote control ,time-shift option menu will show on the screen, and the program is in suspended status. press ■ key on the remote control to stop and quit time-shift function. When you leave program for a shor t time, time-shift function can suspend and cache the playing program to U disk. When you resume playing, the program can continue to be played.

Replay
Since the TV stores the broadcast you are watching, you can mostly replay the broadcast for a few seconds.
When you pause the programme, you can press ▶ (play) key to play normally.

General Settings

Press ✿ key to show main menu, select General Settings and press OK key to enter.

– Eco Settings: press ▲/▼ key to turn on or off the Eco Settings.

– Channel list copy: copy the Channel list from USB or TV.

– Hearing Impaired: press ▲/▼ key to turn on or off the Hearing Impaired.

– Shop Mode: press ▲/▼ key to turn on or off the Shop Mode.

– Software info: Check the software version information

–Factory Setting: you will rest all personal setting,the channel installation remains unchanged.

–Restore Default: ALL setup and channels will be rest.

Software Update (USB)

You need a computer and a USB memory device to upload the software on the TV. Use a USB memory device with 256MB free space. Make sure that write protection is switched off.

1. Download the TV software: 3663_DVBT_8M.bin

2. Choose a TV device
 - Insert the USB memory into one of the USB connections of the TV.

3. Start the update on TV
- ✿ Settings > Software Update(USB)

Do not . . .

- use the remote control
- remove the USB memory device from the TV

If a power cut occurs during the update, never remove the USB memory device from the TV. When the power returns, the update will continue.

USB

From a USB connection

Inser t a USB device, press SOURCE key or MENU key to display menu, select USB, and press OK key to enter multimedia player.

Note: If want to exit USB, please re-select the source.

Photo

In the multimedia menu, press ▲/▼ key to select Photo, and press **OK** key enter. You can press ▲/▼ key to select the picture in the File folder, then press **START**(▶) key on the remote control to play the picture.

Picture player menu options:
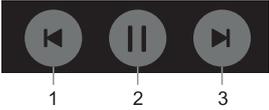
1. Prev. : Play the previous picture.
2. Play / Pause : Play / pause lantern slide.
3. Next: Play the next picture.

Music

In the multimedia menu, press ▲/▼ key to select Music, and press **OK** key enter. You can select the music in the File folder, and press **START** (▶) key to play on the remote control.

Music player menu options:
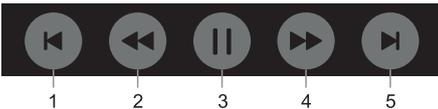
1. Prev.: Play the previous music.
2. FB: Press this key to fast back of the music, press START (▶) key to play normally.
3. Play/Pause: Play / pause music.
4. FF: Press this key to fast forward of the music, press START(▶) key to play normally.
5. Next: Play the next music.

Movie

In the multimedia menu, press ▲/▼ key to select Movie, and press **OK** key enter. You can select the movie in the File folder, and press **START** (▶) key to play on the remote control.

Video player menu options:
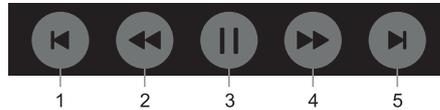
1. Prev.: Play the previous video.
2. FB: Press this key to fast back of the video, press START (▶)key to play normally.
3. Play / Pause: Play / pause the video.
4. FF: Press this key to fast forward of the video, press START(▶) key to play normally.
5. Next: Play the next video.

TEXT

In the multimedia menu, press ▲/▼ key to select TEXT, and press **OK** key enter. You can select the TEXT in the File folder, and press **START** (▶) key to play on the remote control.
1. Press ◀◀ key to select the previous page.
2. Press ▶▶ key to select the next page.

TV Program Guide

Using the TV Program guide

Open the TV guide

Press ☰ (TV GUIDE)key to access TV program guide list (it is available only in DTV mode). You can select the color keys to edit these programmes with the tips on the screen. The color keys function introduce as below:

Record
Press ▬ key on the remote control to record the programmes you wished.

Remind
You can press ▬ key on the remote control to set remind the programmes you wished.

Schedule
Press ▬ key on the remote control to view programmes list.

Info
Press ▬ key on the remote control to view programmes information.

Environmental

Product Fiche

- Energy Efficiency Class : A$^+$
- Visible Screen Size : 102 cm / 40 inch
- On Mode Power Consumption (W) : 36 W
- Annual Energy Consumption (kWh) * : 53 kWh
- Standby Power Consumption (W) **: ≤0.50 W
- Display Resolution (Pixels) : 1920 x 1080

End of Use

Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2012/19/EU.

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.

Please find out for yourself about the local rules on separate collection of batteries because correct disposal will help to prevent negative consequences for the environment and human health.

Specifications

Power

Product specifications are subject to change without notice. For more specification details of this product, see www.philips.com/support

Power

- Mains power : AC 100-240V~,50/60Hz
- Ambient temperature : 5° C to 40° C

For power consumption information, see chapter **Product Fiche.**

The maximum power rating, stated between brackets, is used for electrical safety (IEC 60065 Ed. 8.0).

Display Resolution

5073 series TV

Diagonal screen size

102 cm /40 inch

Display resolution

1920x1080

Display Input Resolution

Video formats

Resolution — Refresh rate

- 480i - 60 Hz
- 480p - 60 Hz
- 576i - 50 Hz
- 576p - 50 Hz
- 720p - 50 Hz, 60 Hz
- 1080i - 50 Hz, 60 Hz
- 1080p - 50 Hz, 60 Hz

Computer formats

Resolutions (amongst others)

- 640×480 – 60 Hz
- 800×600 – 60 Hz
- 1024×768 – 60 Hz
- 1360×768 – 60 Hz
- 1920×1080 – 60 Hz

Sound

- Output power (RMS) : 12W
- Dolby Audio

Multimedia

Supported USB file systems

- USB (FAT / FAT 32 / NTFS): only connect USB devices that consume 500 mA of power or less. (NTFS: read only)

Playback formats

- Image Codec : JPEG, PNG, BMP
- Audio Codec: AC3, AAC
- Video Codec: AVI, H.264/MPEG–4 AVC, MPEG1, MPEG2, MPEG4, H.265
- Subtitle: SRT, SMI, SSA, SUB, ASS, TXT

Troubleshooting

Tips

If you can't find a solution for your TV problem in Troubleshooting, you can press ⌂ HOME > Utilities > Help to find the information you are looking for.

If the User manual doen't answer your question, you can go to the support website of Philips.

To solve any Philips TV related problem, you can consult our online support. You can select your language and enter your product model number.

Go to www.philips.com/support.

On the support site you can find your country's telephone number to contact us as well as answers to frequently asked questions (FAQs). In some countries, you can chat with one of our collaborators and ask your question directly or send a question by email. You can download new TV software or the manual to read on your computer.

For more TV troubleshooting and frequently asked questions (FAQs)...

Go to http://philips-tvconsumercare.kxondemand.com/portal/en/ModelSelect

TV Help on your tablet, smartphone or computer

To carry out extended sequences of instructions more easily, you can download the TV Help in PDF format to read on your smartphone, tablet or computer. Alternatively, you can print the relevant Help page from your computer.
To download the Help (user manual) go to www.philips.com/support

Switch On

The TV does not switch on

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it. Make sure that the power cable is securely connected. Try switching on again.
- Connect the TV to another wall mains socket and try switching on.
- Disconnect all connected devices from the TV and try switching on.

- If the standby light on TV is on, the TV might not respond to the remote control.

Creaking sound at startup or switch off

When you are turning the TV on, off or to standby, you hear a creaking sound from the TV chassis. The creaking sound is due to the normal expansion and contraction of the TV as it cools and warms up. This does not affect performance.

The TV goes back to standby after showing the Philips startup screen

When the TV is in standby, a Philips startup screen is displayed, then the TV returns to standby mode. This is normal behaviour. When the TV is disconnected and reconnected to the power supply, the startup screen is displayed at the next startup. To switch on the TV from standby, press ⏻ (Standby / On) the remote control or the TV.

The standby light keeps on blinking

Disconnect the power cable from the power outlet. Wait 5 minutes before you reconnect the power cable. If the blinking reoccurs, contact Philips TV Consumer Care.

TV switches off by itself

If the TV switches off suddenly, the setting Switch off timer might be switched on. With Switch off timer the TV switches off after 4 hours if no remote control signals were received. To avoid this automatic switch off, you can deactivate this switch off. Also, if the TV does not receive a TV signal nor a remote control command for 10 minutes, the TV switches off automatically.

Remote Control

TV does not respond to the remote control

The TV requires some time to start up. During this time, the TV does not respond to the remote control or TV controls. This is normal behaviour.

If the TV continues to be unresponsive to the remote control, you can check if the remote control is working by means of a mobile phone camera. Put the phone in camera mode and point the remote control to the camera lens. If you press any key on the remote control and you notice the infra red LED flicker through the camera, the remote control is working. The TV needs to be checked.

If you do not notice the flickering, the remote control might be broken or its batteries are low.
This method of checking the remote control is not possible with remote controls which are wirelessly paired with the TV.

Channels

No digital channels found during the installation

See the technical specifications to make sure that your TV supports DVB-T or DVB-C in your country. Make sure that all cables are properly connected and that the correct network is selected.

Previously installed channels are not in the channel list

Make sure that the correct channel list is selected.

Picture

No picture / distorted picture

- Make sure that the antenna is properly connected to the TV.
- Make sure that the correct device is selected as the display source.
- Make sure that the external device or source is properly connected.

Sound but no picture

- Make sure that the picture settings are set correctly.

Poor antenna reception

- Make sure that the antenna is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine-tune this channel with Manual Installation.

Poor picture from a device

- Make sure that the device is connected properly.
- Make sure that the picture settings are set correctly.

Picture settings change after a while

- Make sure that Location is set to Home . You can change and save settings in this mode.

A commercial banner appears

- Make sure that Location is set to Home.

Picture does not fit the screen

- Change to a different picture format.

Picture format keeps changing with different channels

- Select a non 'Auto' picture format.

Picture position is incorrect

- Picture signals from some devices may not fit the screen correctly. Check the signal output of the connected device.

Computer picture is not stable

- Make sure that your PC uses the supported resolution and refresh rate.

Sound

No sound or poor sound quality

If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.
- Make sure that the sound settings are correctly set.
- Make sure that all cables are properly connected.
- Make sure that the volume is not muted or set to zero.
- Make sure that the TV audio output is connected to the audio input on the Home Theatre System.
- Sound should be heard from the HTS speakers.
- Some devices may require you to manually enable HDMI audio output. If HDMI audio is already enabled, but you still do not hear audio, try changing the digital audio format of the device to PCM (Pulse Code Modulation). Refer to the documentation accompanying your device for instructions.

HDMI

HDMI

- Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from an HDMI device.
- If the TV does not recognise the HDMI device and no picture is displayed, switch the source from one device to another and back again.
- If there are intermittent sound disruptions, make sure that output settings from the HDMI device are correct.
- If you use an HDMI-to-DVI adapter or HDMI-to-DVI cable, make sure that an additional audio cable is connected to AUDIO IN (mini-jack only), if available.

EasyLink does not work

- Make sure that your HDMI devices are HDMI-CEC compatible. EasyLink features only work with devices that are HDMI-CEC compatible.

No volume icon shown

- When a HDMI-CEC audio device is connected this behaviour is normal.

USB

Photos, videos and music from a USB device do not show

- Make sure that the USB storage device is set to Mass Storage Class compliant, as described in the storage device's documentation.
- Make sure that the USB storage device is compatible with the TV.
- Make sure that the audio and picture file formats are supported by the TV.

Choppy playback of USB files

- The transfer performance of the USB storage device may limit the data transfer rate to the TV which causes poor playback.

Safety and Care

Safety

Important

Read and understand all safety instructions before you use the TV. If damage is caused by failure to follow instructions, the warranty does not apply.

Risk of Electric Shock or Fire

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV.
If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately.
Contact Philips TV Consumer Care to have the TV checked before use.

- Never expose the TV, remote control or batteries to excessive heat. Never place them near burning candles, naked flames or other heat sources, including direct sunlight.

- Never insert objects into the ventilation slots or other openings on the TV.

- Never place heavy objects on the power cord.

- Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire. Ensure that no strain is exerted on the power cord when you swivel the TV screen.

- To disconnect the TV from the mains power, the power plug of the TV must be disconnected. When disconnecting the power, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.

Risk of Injury or Damage to the TV

- Two people are required to lift and carry a TV that weighs more than 25 kg or 55 lbs.

- If you mount the TV on a stand, only use the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the weight of the TV and the stand.

- When wall mounted, ensure that the wall mount can safely bear the weight of the TV set. TP Vision bears no responsibility for improper wall mounting that results in accident, injury or damage.

- Parts of this product are made of glass. Handle with care to avoid injury or damage.

Risk of damage to the TV !

Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

Risk of Injury to Children

Follow these precautions to prevent the TV from toppling over and causing injury to children:

- Never place the TV on a surface covered by a cloth or other material that can be pulled away.

- Ensure that no part of the TV hangs over the edge of the mounting surface.

- Never place the TV on tall furniture, such as a bookcase, without anchoring both the furniture and TV to the wall or a suitable support.

- Teach children about the dangers of climbing on furniture to reach the TV.

Risk of swallowing batteries !

The remote control may contain coin-type batteries which can easily be swallowed by small children. Keep these batteries out of reach of children at all times.

Risk of Overheating

Never install the TV in a confined space. Always leave a space of at least 10 cm or 4 inches around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.

Lightning Storms

Disconnect the TV from the power outlet and antenna before lightning storms.
During lightning storms, never touch any part of the TV, power cord or antenna cable.

Risk of Hearing Damage

Avoid using earphones or headphones at high volumes or for prolonged periods of time.

Low Temperatures

If the TV is transported in temperatures below 5°C or 41°F, unpack the TV and wait until the TV temperature reaches room temperature before connecting the TV to the power outlet.

Humidity

In rare occasions, depending on temperature and humidity, minor condensation can occur on the inside of the TV glass front (on some models). To prevent this, do not expose the TV to direct sunlight, heat or extreme humidity. If condensation occurs, it will disappear spontaneously while the TV is playing for a few hours.
The condensation moisture will not harm the TV or cause malfunction.

Screen Care

- Never touch, push, rub or strike the screen with any object.

- Unplug the TV before cleaning.

- Clean the TV and frame with a soft damp cloth and wipe gently. Never use substances such as alcohol, chemicals or household cleaners on the TV.

- To avoid deformations and colour fading, wipe off water drops as quickly as possible.

- Avoid stationary images as much as possible. Stationary images are images that remain onscreen for extended periods of time. Stationary images include onscreen menus, black bars, time displays, etc. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.

Terms of Use

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The written material packaged with the TV and the manual stored in the memory of the TV or downloaded from the Philips website www.philips.com/support are believed to be adequate for the intended use of the system.

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Terms of warranty - Risk of injury, damage to TV or void of warranty!
Never attempt to repair the TV yourself. Use the TV and accessories only as intended by the manufacturer. The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips TV Customer Care for service or repairs. Find the telephone number in the printed documentation that came with the TV. Or consult our website www.philips.com/support and select your country if needed. Any operation expressly prohibited in this manual, or any adjustments and assembly procedures not recommended or authorised in this manual, shall void the warranty.

Pixel characteristics
This LCD/LED product has a high number of colour pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

CE compliance
Hereby, TP Vision Europe B.V. declares that this television is in compliance with the essential requirements and other relevant provisions of Directives 2014/53/EU (RED), 2009/125/EC (Eco Design), 2010/30/EU (Energy Labelling) and 2011/65/EC (RoHS).

Compliance with EMF
TP Vision manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals. One of TP Vision's leading business principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the Electro Magnetic Field (EMF)

standards applicable at the time of producing the products.

TP Vision is committed to developing, producing and marketing products that cause no adverse health effects. TP Vision confirms that, as long as its products are handled properly for their intended use, they are safe to use according to scientific evidence available today. TP Vision plays an active role in the development of international EMF and safety standards, enabling TP Vision to anticipate further developments in standardisation for early integration in its products.

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This offer is valid up to three years after product purchase to anyone in receipt of this information. To obtain the source code, please write in English to . . .
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libtinycompress (1.1)

A library to handle compressed formats like MP3 etc.

Source: http://git.alsaproject.
org/?p=tinycompress.git;a=summary

Gstreamer (V1.0)

GStreamer is a plugin-based framework licensed under the LGPL.

Source:
https://gstreamer.freedesktop.org/documentation/licensing.html

mxml (2.8)

Source: http://michaelrsweet.github.io/mxml/

libiconv (1.14)

International text is mostly encoded in Unicode. For historical reasons, however, it is sometimes still encoded using a language or country dependent character encoding.

Source: https://www.gnu.org/software/libiconv/

libavcodec, libavformat, libavutil

FFmpeg is the leading multimedia framework, able to decode, encode, transcode, mux, demux, stream, filter and play pretty much anything that humans and machines have created. It supports the most obscure ancient formats up to the cutting edge. No matter if they were designed by some standards committee, the community or a corporation. It is also highly portable: FFmpeg compiles, runs, and passes our testing infrastructure FATE across Linux, Mac OS X, Microsoft Windows, the BSDs, Solaris, etc. under a wide variety of build environments, machine architectures, and configurations.

Source: https://www.ffmpeg.org/

libfreetype (2.6.3)

FreeType is a freely available software library to render fonts.

It is written in C, designed to be small, efficient, highly customizable, and portable while capable of producing high-quality output (glyph images) of most vector and bitmap font formats.

Source: http://www.freetype.org/

libglibc (2.19)

The GNU C Library project provides the core libraries for the GNU system and GNU/Linux systems, as well as many other systems that use Linux as the kernel.

Source: https://www.gnu.org/software/libc/

libstdc++ (6.0.20)

libc++ is a new implementation of the C++ standard library, targeting C++11.

All of the code in libc++ is dual licensed under the MIT license and the UIUC License (a BSD-like license).

Source: http://libcxx.llvm.org/

libfribidi (0.19.6)

GNU FriBidi is an implementation of the Unicode Bidirectional Algorithm (bidi).

GNU FriBidi has no required dependencies. The list of projects using GNU FriBidi is growing and they provide a wealth of examples of using the various APIs to learn from.

Source: https://fribidi.org/

libsqlite3 (3.8.5)

SQLite is an in-process library that implements a selfcontained,
serverless, zero-configuration,
transactional SQL database engine.

SQLite is an embedded SQL database engine. Unlike most other SQL databases, SQLite does not have a separate server process.

SQLite is a compact library. With all features enabled, the library size can be less than 500KiB, depending on the target platform and compiler optimization settings.

Source: https://sqlite.org/

libpng (1.6.16)

libpng is the official PNG reference library. It supports almost all PNG features.

Source: http://libpng.org/pub/png/libpng.html

libstbci-openssl.a (1.0.2g)

OpenSSL is an open source project that provides a robust, commercial-grade, and full-featured toolkit for the Transport Layer Security (TLS) and Secure Sockets Layer (SSL) protocols. It is also a generalpurpose
cryptography library.

Source: https://www.openssl.org

libjpeg (v9a)

Libjpeg is a widely used C library for reading and writing JPEG image files.

Source: http://libjpeg.sourceforge.net/

libdirectfb (directfb-1.7-1)

DirectFB is a thin library that provides hardware graphics acceleration, input device handling and abstraction, integrated windowing system with support for translucent windows and multiple display layers, not only on top of the Linux Framebuffer Device.

It is a complete hardware abstraction layer with software fallbacks for every graphics operation that is not supported by the underlying hardware. DirectFB adds graphical power to embedded systems and sets a new standard for graphics under Linux.

Source: http://www.directfb.net

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