PHILIPS

Professional
Display Solutions

5214U Series

User Manual

Contents

Display Tour

Professional Mode

What you can do

In Professional Mode ON, you can have access to a large number of expert settings that enable advanced control of the display's state or to add additional functions.

This mode is intended for installations of display's in places such as hotels, cruise ships, stadia or any other business area where such control is required.

If you use the display at home, it is recommended to use it in Professional Mode OFF.

Please consult the Professional installation manual for further details.

2

Setting Up

2.1

Read Safety

Read the safety instructions first before you use the display.

2.2

Display Stand and Wall Mounting

Display Stand

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

Use the product type number of the display to look for the **Quick Start Guide** to download.

Wall Mounting

Your display is also prepared for a VESA-compliant wall mount bracket (sold separately).
Use the following VESA code when purchasing the wall mount . . .
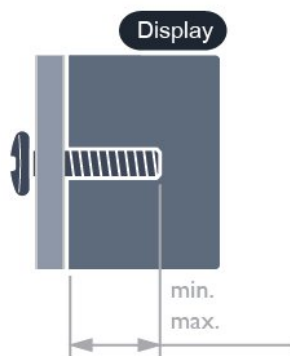
- 43HFL5214U
VESA MIS-F 100x200, M6 (min.: 6 mm, max.:8 mm)

- 50HFL5214U
VESA MIS-F 200x200, M6 (min.: 18 mm, max.:22 mm)

- 55HFL5214U
VESA MIS-F 200x200, M6 (min.: 14 mm, max.:16 mm)

- 65HFL5214U
VESA MIS-F 300x300, M6 (min.: 18 mm, max.:22 mm)

Preparation

First remove the 2 plastic screw caps out of the threaded bushes on the back of the display (for 5214U 55" only).
Make sure that the metal screws, to mount the display to the VESA-compliant bracket, go about 10mm deep inside the threaded bushes of the display.

Caution

Wall mounting the display requires special skills and should only be performed by qualified personnel. The display wall mounting should meet safety standards according to the display's weight. Also read the safety precautions before positioning the display.
TPV bears no responsibility for improper mounting or any mounting that results in accident or injury.

2.3

Tips on Placement

- Position the display where light does not shine directly on the screen.
- The ideal distance to watch display is 3 times its diagonal screen size. When seated, your eyes should be level with the centre of the screen.

Note:

Please keep the display away from dust-producing sources such as stoves. It is suggested to clean the dust regularly to avoid getting dust into the display.

2.4
Power Cable

· Insert the power cable into the **POWER** connector on the back of the display.
· Make sure the power cable is securely inserted in the connector.
· 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.

3
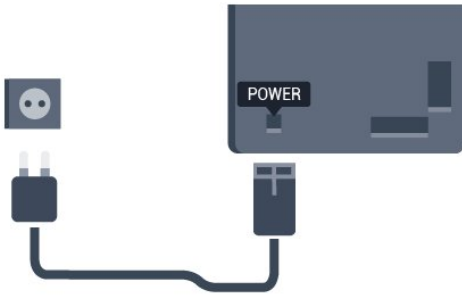
Switching On and Off

3.1

On or Standby

Make sure the display is connected to the mains AC power. Connect the supplied power cord to the **AC in** connector at the back of the display. The indicator light at the bottom of the display lights up.

Switch on

Press ⏻ on the remote control to switch the display on. Alternatively, press ⌂/⌂/⌂ **Home**. You can also press the small joystick key on the back or bottom of the display to switch the display on in case you can't find the remote control or its batteries are empty.

Switch to standby

To switch the display to standby, press ⏻ on the remote control. You can also press the small joystick key on the back or bottom of the display.

In standby mode, the display is still connected to the mains power but consumes very little energy.

To switch off the display 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.

3.2

Keys on Display

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

To open the basic menu…

1 – With the display switched on, press the joystick key on the back of the display to bring up the basic menu.
2 – Press left or right to select ◀» **Volume** or ⇥ **Sources**. Select ▣ **Demo**, to start a demo movie.
3 – Press up or down to adjust the volume or tune to the next or previous programme. Press up or down to go through the list of sources. Press the joystick key to start the demo movie.
4 – The menu will disappear automatically.

To switch the display on standby, select ⏻ and press the joystick key on the back or bottom of the display.

Remote Control

4.1
Key overview

Top
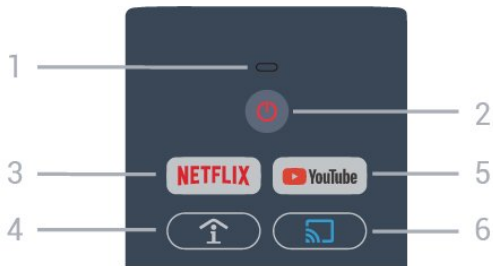
1 – Voice microphone

2 – ⏻ Standby / On
To switch the TV on or back to Standby.

3 – **NETFLIX**

To open the Netflix App directly. With the TV switched on or from standby.)

· If you have a Netflix menbership subscription, you can enjoy Netflix on this TV. Your TV must be connected to the Internet.
· To open Netflix, press **NETFLIX** to open the Netflix App. You can open Netflix immediately from a TV in standby.
www.netflix.com

4 – ⇪ SMART INFO (Only in Professional Mode ON)
To show information provided by the Hotel.

5 – Youtube
To open Youtube.

6 – ⎙ Google Cast
(Only in Professional Mode ON)
To mirror the content of your mobile device display on to the TV.

Middle
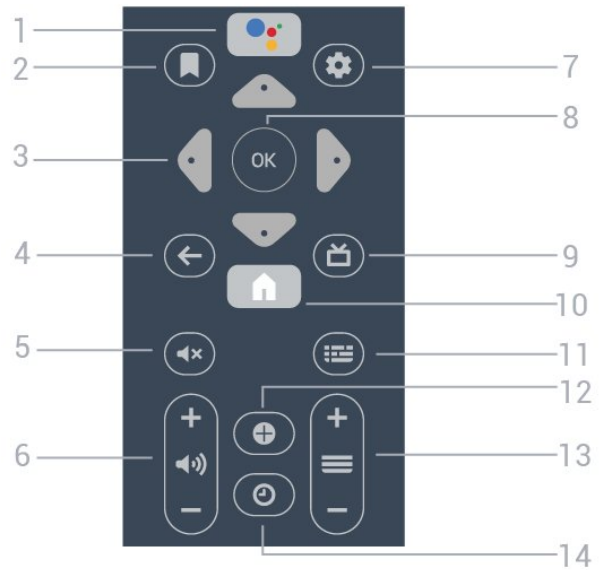
1 – •• Google Assistant™
To launch the Google Assistant™.

2 – ◩ Watch List
For future use.

3 – Arrow / navigation keys
To navigate up ∧, down ∨, left ‹ or right ›.

4 – ← BACK
· To switch back to the previous channel you selected.
· To return to previous menu.

5 – ◀× Mute
To mute the sound or to restore it.

6 – ◀» Volume
To adjust the volume level.

7 – ⚙ SETTINGS
To open the settings menu.

8 – OK key
To confirm a selection or setting.

9 – ⎙ TV
To switch back to watching TV.

10 – ⌂ Home
To open the Home menu.

11 – ⊞ TV GUIDE
To open a list of the current and scheduled TV programmes of your channels.

12 – ⊕ OPTIONS
To open or close the options menu.

13 – ☰ Channel
To switch to the next or previous channel in the channel list.

14 – ⊙ Clock
To display the clock.

Bottom

1 – 🔴 🟢 🟡 🔵 color keys
Direct selection of options.

2 – Numbe keys
To select a TV channel directly.

3 – ▭ Subtitle
To switch subtitles on, off or Automatic.

4 – 💬 TalkBack
TalkBack helps visual–impaired users interact with and enjoy this TV by using spoken word to let him know of what's on screen.

4.2
IR Sensor

The display 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 display.

⚠ Warning

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

4.3
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.

4.4
Batteries

If the display 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 keyboard side of the remote control.

1 – Slide the battery door in the direction shown by the arrow.
2 – Replace the old batteries with 2 type AA–L66–AA 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.

4.5
Pair Your Remote Control to Display

This remote control uses both Bluetooth® and IR (infrared) to send its commands to the display.

You can use this remote control via IR (infrared) for most operations.
To use advanced operation like voice search and remote control keyboard, you need to pair (link) the TV with the remote control.

4.6
Voice Search

You can search for videos, music or anything else on the Internet by simply using your voice. You can speak into the microphone on the remote control.

You need to pair the remote control to the TV before use voice search.

To use Voice:
1 – Press and hold the **Google Assistant™** key on remote control, the blue light on the remote control lights up and the search field opens, the microphone is active.
2 – Speak out what you are looking for with clear pronunciation. It might take some time for the results to appear.
3 – In the list of search results, you can select the item you want.

5
Specifications

5.1
Environmental

Product Fiche

43HFL5214U
· Visible Screen Size : 108 cm / 43 inch
· Standby Power Consumption (W) : 0.4 W
· Display Resolution (Pixels) : 3840 x 2160p
50HFL5214U
· Visible Screen Size : 126 cm / 50 inch
· Standby Power Consumption (W) : 0.4 W
· Display Resolution (Pixels) : 3840 x 2160p
55HFL5214U
· Visible Screen Size : 139 cm / 55 inch
· Standby Power Consumption (W) : 0.4 W
· Display Resolution (Pixels) : 3840 x 2160p
65HFL5214U
· Visible Screen Size : 164 cm / 65 inch
· Standby Power Consumption (W) : 0.4 W
· Display Resolution (Pixels) : 3840 x 2160p

* When the display is turned off with the remote control and no function is active. Power consumption in full standby mode < 0.4. It takes several minutes going to full standby.

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.

Please recycle used batteries

Drained or discharged batteries must be recycled or discarded according to relevant laws and regulations. For more detailed information, please contact the unit

responsible for solid waste disposal in your country. (Display disposal method)
According to Environmental Protection Administration regulations, displays must be properly disposed of to avoid any negative impact on the environment. When disposing of a display, please use one of the following methods:

1. When purchasing a new display, you can entrust your old display to the seller for recycling.
2. You can contact the service hotline for the Resource Recycling Management Fund Committee on Electronic and Electrical Appliances Waste at : 0800-085-717.

Please take time to learn more about the different recycling processes for electrical and electronic products in your local area.

Please ensure to follow local regulations, do not dispose of your old products together with general household waste. Disposing of your old electronic products correctly will minimise any negative impact on the environment and the health of others.

Please take time to research the relevant regulations for battery recycling in your local area. Disposing of your batteries correctly will minimise any negative impact on the environment and the health of others.

5.2
Power

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

Power supply

· Mains power: AC 110-240 V, 50-60Hz
· Ambient temperature: 5℃ to 35℃
· Power-saving features: Eco mode, Picture mute (for radio), Auto switch-off timer, Eco settings menu.

5.3
Operating System

Android OS :

Android Pie 9

5.4
Reception

· Digital video playback : MPEG2 SD/HD
(ISO/IEC13818-2) MPEG4 SD/HD (ISO/IEC 14496-10)
· Digital audio playback (ISO/IEC 13818-3)

5.5
Display Type

Diagonal screen size
· 108 cm / 43 inch
· 126 cm / 50 inch
· 139 cm / 55 inch
· 164 cm / 65 inch

Display resolution
· 3840 x 2160

5.6
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 – 24 Hz、25 Hz、30 Hz、50 Hz、60 Hz

· 2160p – 24 Hz、25 Hz、30 Hz、50 Hz、60 Hz

· Computer formats

Resolutions (amongst others)

· 640 x 480p – 60 Hz
· 800 x 600p – 60 Hz
1024 x 768p – 60 Hz
1280 x 8004p – 60 Hz
· 1280 x 960p – 60 Hz
1280 x 1024p – 60 Hz
1440 x 960p – 60 Hz
1600 x 1200p – 60 Hz
1920 x 1080p – 60 Hz
3840 x 2160p – 24 Hz、25 Hz、30 Hz、50 Hz、60 Hz

5.7
Connectivity

Side
· USB 1 – USB 2.0
· Headphones – Stereo mini-jack 3.5mm
· HDMI 1 in – ARC – Ultra HD

Bottom

· Network LAN – RJ45
· HDMI 2 / 3 in – ARC – Ultra HD
· USB 2 – USB 2.0
· 8 Ω Audio out
· DATA(RJ-48)

5.8
Sound

· Output power (RMS) : 20W
· Dolby Audio

6

Connect Devices

6.1

Connect Devices

Connectivity Guide

Always connect a device to the display 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 display 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 display automatically switches to the ideal display settings when you switch to this device in the Sources menu.

Connect to network

Information input from the network.

LAN transmission rate: Supported rate is less than or equal to 100 / 10Mbps network.

HDMI ports

Operate devices

To operate a device connected to HDMI and set up with EasyLink, select the device – or its activity – in the list of display connections.

Professional Mode OFF — Press ⌂/◻/⌂ Home, select ▬ Apps, select ▣ SOURCES . Choose a device connected to an HDMI connection and press OK.

Professional Mode
ON — Press ⌂/◻/⌂ Home, select TV , select ▣ Sources. Choose a device connected to an HDMI connection and press OK.

Once the device is selected, the display remote control can control the device. However ⌂/◻/⌂ Home and ⊕ OPTIONS keys and some other display keys are not forwarded to the device. If the key you need is not on the display remote control, you can select the key in the Options menu. Press ⊕ OPTIONS and select Controls in the menu bar. On the screen, select the device key you need and press OK.
Some very specific device keys might not be available

in the Controls menu.

Note: Only devices that support EasyLink Remote Control function will respond to the display remote control.

HDMI Quality

An HDMI connection has the best picture and sound quality. One HDMI cable combines video and audio signals. Use an HDMI cable for display signal.

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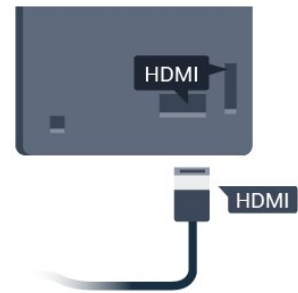

Copy protection

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

HDMI ARC

All of the HDMI connections on the display have HDMI ARC.

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

You can use any HDMI connection on this display to connect the HTS but ARC is only available for 1 device/connection at a time.
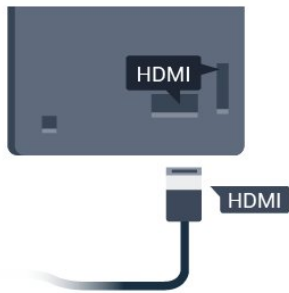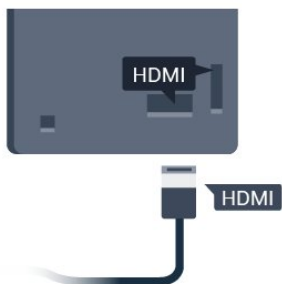
HDMI CEC – EasyLink

An HDMI connection has the best picture and sound quality. One HDMI cable combines video and audio signals. Use an HDMI cable for High Definition (HD) display signals. For best signal quality transfer, use a High speed HDMI cable and do not use an HDMI cable longer than 5 m.

Connect HDMI CEC-compatible devices to your display, you can operate them with the display remote control.

EasyLink HDMI CEC must be switched on on the display and the connected device.

Note:

· EasyLink might not work with devices from other brands.
· The HDMI CEC functionality has different names on different brands. Some examples are: Anynet, Aquos Link, Bravia Theatre Sync, Kuro Link, Simplink and Viera Link. Not all brands are fully compatible with EasyLink. Example HDMI CEC branding names are property of their respective owners.

EasyLink On or Off

You can switch EasyLink on or off. The display comes with the EasyLink settings switched on.

To switch off EasyLink completely…

Professional Mode OFF — Press △/◻/♠

Home.Press ⌄ (down), select **Settings** and press **OK**.

Select **Sources** > **EasyLink**, and press **OK**.

Select **EasyLink, and press OK.**

Select **Off** and press **OK**.

Press ← BACK, repeatedly if necessary, to close the menu.

Professional Mode ON — Please refer to the installation manual.

EasyLink Remote Control

If you want devices to communicate but you don't want to operate them with the display remote control, you can switch off EasyLink Remote Control separately.

To switch EasyLink Remote Control on or off…

Professional Mode OFF — Press △/◻/♠ Home. Press ⌄ (down), select **Settings** and press **OK**.

Select **Sources** > **EasyLink**, and press **OK** .

Select **EasyLink Remote Control and press OK**   .

Select **On** or **Off** and press **OK**.

Press ← BACK, repeatedly if necessary, to close the menu.

Professional Mode ON — Please refer to the installation manual.

6.2
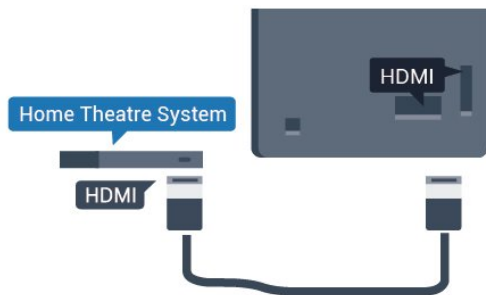# Home Theatre System – HTS

Connect with HDMI ARC

Use an HDMI cable to connect a Home Theatre System (HTS) to the display. You can connect a Philips Soundbar or an HTS with a built-in disc player.

HDMI ARC

If your Home Theatre System has an HDMI ARC connection, you can use any HDMI connection on the display to connect. With HDMI ARC, you do not need to connect the extra audio cable. The HDMI ARC connection combines both signals.
All HDMI connections on the display can offer the ARC signal. But once you have connected the Home Theatre System, the display can only send the ARC signal to this HDMI connection.
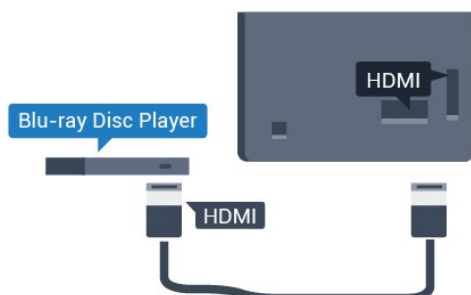
Audio to video synchronisation (sync)

If the sound does not match the video on screen, you can set a delay on most Home Theatre Systems with a disc player to match the sound with the video.

6.3
Blu-ray Disc Player

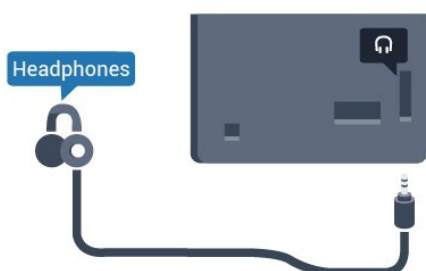Use a **High speed HDMI** cable to connect the Blu-ray Disc player to the display.

If the Blu-ray Disc player has EasyLink HDMI CEC, you can operate the player with the display remote control.

6.4
Headphones

You can connect a set of headphones to the 🎧 connection on the back of the display. The connection is a mini-jack 3.5mm. You can adjust the volume of the headphones separately.

6.5
Game Console

HDMI

For best quality, connect the game console with a High speed HDMI cable to the display.
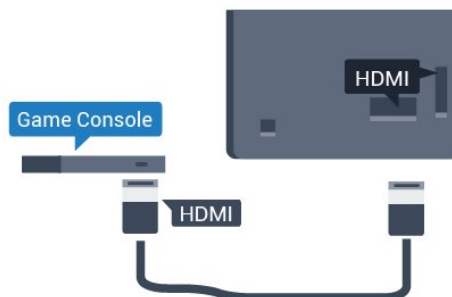
6.6
USB Flash Drive

You can view photos or play your music and videos from a connected USB flash drive.

Insert a USB flash drive in one of the **USB** connections on the display while the display is switched on.

The display detects the flash drive and opens a list showing its content.
If the contents list does not appear automatically...

Professional Mode
OFF – Press ⌂/⌂/🏠 Home, select 📺 Apps, select 🔌 Sources. Choose USB press OK.

Professional Mode On – Press ⌂/⌂/🏠 Home, select 📺 , select 🔌 SOURCES . Choose USB and press OK.

To stop watching the USB flash drive content, press 📺 or select another activity.
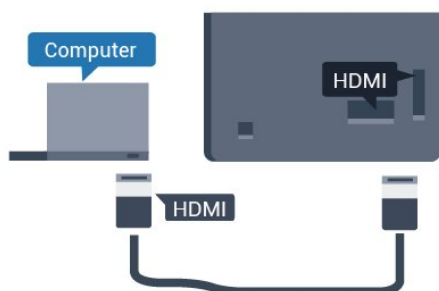To disconnect the USB flash drive, you can pull out the flash drive anytime.

Computer

Connect

You can connect your computer to the display and use the display as a PC monitor.

With HDMI

Use an HDMI cable to connect the computer to the display.

Ideal Setting

If you connect a computer, we advice you to give the connection, on which the computer is connected, the correct device type name in the Source menu. If you switch to **Computer** in the Source menu, the display is set to the ideal Computer setting automatically.

To set the display to the ideal setting…

Professional Mode OFF ━ Press △/△/♠ Home. Press ⌄ (down), select **Settings** and press **OK**.

Select **Picture** and press ❯ (right) to enter the menu. Select **Picture Style** > **Computer** and press **OK**.

Select **On** or **Off**, and press **OK**.

Press ← repeatedly if necessary, to close the menu.

Professional Mode
ON ━ Press △/△/♠ Home > •••
More > ✿ Settings > ◼ Picture. Press **OK**.

Select **Picture Style** > **Computer** and press **OK**.

Select **On** or **Off**, and press **OK**.

Press ← repeatedly if necessary, to close the menu.

(For professional mode information, please refer to Installation manual)

7
Videos, Photos and Music

7.1
From a USB Connection

You can view your photos or play your music and videos from a connected USB flash drive or USB Hard Drive.

With the display switched on, plug in a USB flash drive or a USB Hard Drive to one of the USB connections. The display detects the device and will list your media files.

If the list of files does not appear automatically…

1 - Press ≡, select ⤒ Sources.
2 - Select ◖▪ Media Browser and press OK.
3 - You can browse your files in the folder structure you have organised on the drive.
4 - To stop playing videos, photos and music, press ⓽ .

7.2
Play your Videos

Play Videos

Open video folder
1 - Press ≡, select ⤒ Sources.
2 - Select ◖▪ Media Browser , select ▦ Videos and press OK.

To go back to the folder, press ←

Play a video
1 - Press ≡, select ⤒ Sources.
2 - Select ◖▪ Media Browser, select ▦ Videos and press OK.
3 - Select one of video, you can press ━ Play all to play all files in the folder or press ━ Mark as favourite to add the selected video to favourite menu – ♥ Favourites.

To pause the video, press OK. Press OK again to continue.

Control bar

To show or hide the control bar when a video is playing, press **OK**.
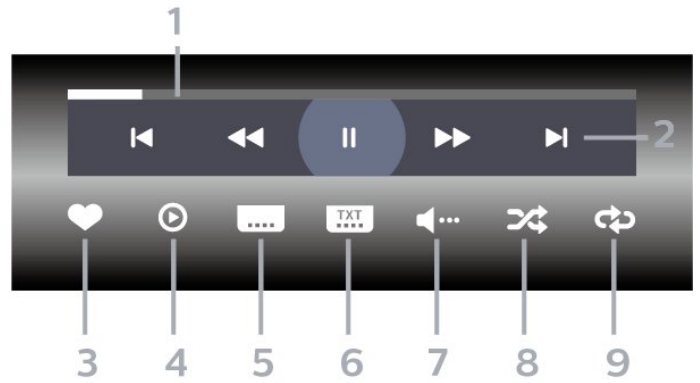
1 – Progress bar
2 – Playback control bar
– ⏮ : Jump to the previous video in a folder
– ⏭ : Jump to the next video in a folder
   ⏪ : Rewind
   ⏩ : Fast forward
   ⏸ : Pause the playback

3 – Mark as favourites
4 – Play all videos
5 – Subtitle: switch subtitles On, Off or On During Mute.
6 – Subtitle language: select a Subtitle Language (Not available for Professional Mode ON.)
7 – Audio language: select an audio language
8 – Shuffle: play your files in a random order
9 – Repeat: plays all videos in this folder once or continuously

Video Options

During the video playback, press ➕ OPTIONS, select Info and press OK to…

· **Mark as Favourite** – Set the selected video as favourite.
· **Play All** – Play all video files in this folder.
· **Subtitles** – If available, you can switch subtitles **On**, **Off** or **On During Mute**.
· **Audio Language** – If available, select an Audio Language.
· **Shuffle** – Play your files in a random order.
· **Repeat** – Plays all videos in this folder once or continuously.

7.3
View your Photos

About Photo Menu

You can quickly find a photo using sorting:

1 – Press ▬ Sort (yellow).
2 – Select Most Recent First, Oldest First, A > Z, Z > A.

View Photos

Open photo folder
1 – Press ☰, select ⤤ Sources.
2 – Select ▣ Media
Browser, select ▣ Photos and press OK.

View a photo

1 – Press ☰, select ⤤ Sources.
2 – Select ▣ Media
Browser, select ▣ Photos and press OK.
3 – Select Photos and select one of photos, you can press ▬ Slide show to play all files in the folder or press ▬ Mark favourite to add the selected photo to favourite menu – ♥ Favourites.
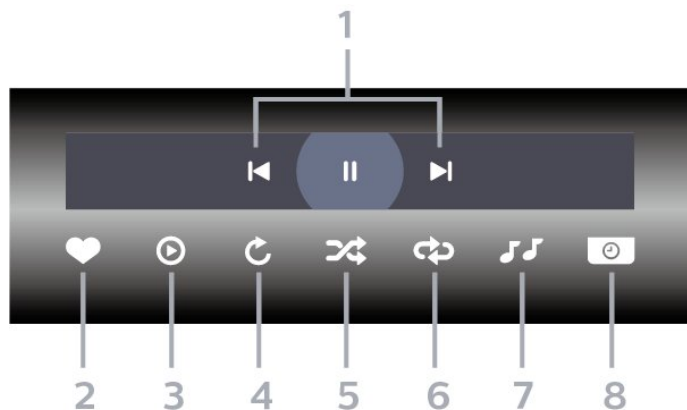
Control bar

1 – Playback control bar
– ⏮ : Jump to the previous photo in a folder
– ⏭ : Jump to the next photo in a folder
  ⏸ : Pause the slideshow playback

2 – Mark as favourites
3 – Start a slideshow
4 – Rotate the photo
5 – Shuffle: play your files in a random order
6 – Repeat: plays all photos in this folder once or continuously
7 – Stop the music playing in the background (Not available in Professional Mode ON)
8 – Set the speed of the slide show

Photo Options

During the video playback, press ⊕ OPTIONS, select Info and press OK to...

· Mark as favourites
· Start a slideshow
· Rotate the photo
· Shuffle: play your files in a random order
· Repeat: plays all photos in this folder once or continuously
· Stop the music playing in the background (Not available in Professional Mode ON)
· Set the speed of the slide show

View 360 Photos

Open 360 Photos folder
1 – Press ⤤ SOURCES, select ▣ USB and press OK.
2 – Select ▣ USB Devices and press ❯ (right) to select the USB device you need.
3 – Select 360 Photos, you can press ▬ Mark favourite to add the 360 photos folder to favourite menu.

View a 360 photo
1 – Press ⤤ SOURCES, select ▣ USB and press OK.
2 – Select ▣ USB Devices and press ❯ (right) to select the USB device you need.
3 – Select 360 Photos and select one of photos, you can press ▬ Slide show to play all files in the folder or press ▬ Mark favourite to add the selected photo to favourite menu – ♥ Favourites.
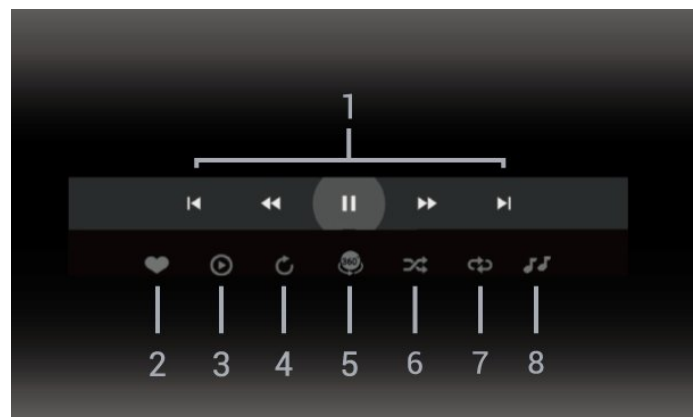
Control bar

1 – Playback control bar
– ⏮ : Jump to the previous photo in a folder
– ⏭ : Jump to the next photo in a folder
  ⏪ : Rewind playback at 2x, 4x, 32x speed

▶▶ : Wind playback at 2x, 4x, 32x speed
❚❚ : Pause the playback

2 – Mark as favourites
3 – Play one / Play all: play one photo or play all photos in this folder.
4 – Manual mode /Auto mode: when the 360 player is started, it will auto pan the selected 360 photo from left to right (0 to 360 degrees) in 360 view. When manual mode is entered, the 360 player will stop auto panning/rotating to allow
manually panning/rotating with the remote control keys.
5 – Little Planet view: Little Planet is an alternate and fun view of 360 photo. When Little Planet view is started, the 360 photo will be rendered in a wrapped around view like a planet.
6 – Shuffle: play your files in a random order.
7 – Repeat: plays all photos in this folder once or continuously.
8 – Stop the music playing in the background.

360 Photo Options

Browse 360 photo files...

· **List/Thumbnails** – List or thumbnails views
· **Shuffle** – Play your files in a random order
· **Repeat** – Play your files once or continuously

· **Slide Show Speed** – Set the speed of the slide show

· **Stop music** – Stop background music playing

7.4
Play your Music

About Music Menu

You can quickly find a music using classification: Genres, Artists, Albums, Tracks.

Play Music

Open Music folder
1 – Press ☰, select ▣ Sources.
2 – Select ▣ Media
Browser, select ♪♪ Music and press OK.

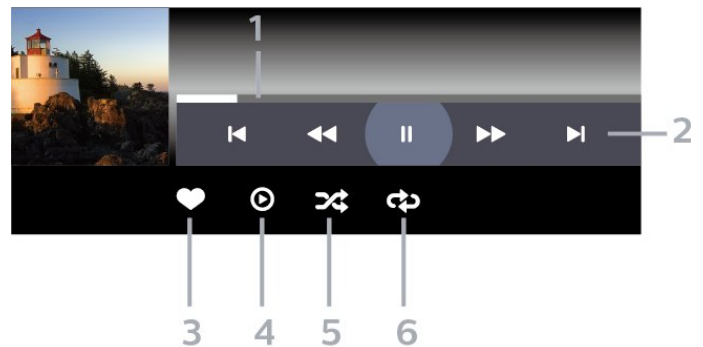Play music
1 – Press ☰, select ▣ Sources.
2 – Select ▣ Media
Browser, select ♪♪ Music and press OK.
3 – You can press ➖ Mark favourite to add the

music folder to favourite menu – ❤ Favourites.
4 – You can quickly find a music using classification
– Genres, Artists, Albums, Tracks.

Control bar

1 – Progress bar
2 – Playback control bar
– ❚◀ : Jump to the previous music in a folder
– ▶❚ : Jump to the next music in a folder
◀◀ : Rewind
▶▶ : Fast forward
❚❚ : Pause the playback

3 – Mark as favourites
4 – Play all music
5 – Shuffle: play your files in a random order
6 – Repeat: plays all music in this folder once or continuously

Music Options

During playing the music, press ➕ OPTIONS, select Info and press OK to...

· Mark as favourites
· Play all music
· Shuffle: play your files in a random order
· Repeat: plays all music in this folder once or continuously

Games

8.1
Play a Game

From a Game Console

To start a game from a Game Console…

Switch on the Game Console.

Professional Mode OFF — Press ⌂/⌂/⌂ Home, select ⊞ Apps. Choose Sources and press OK.

Start the game.

Press ← BACK repeatedly or press 📺 EXIT or stop the app with its dedicated exit/stop button.

For more information on connecting a Game Console, in Help, press the colour key ━ Keywords and look up Game Console, connect.

Professional Mode ON — Press ⊡ SOURCES and select a game console or the name of the connection.

Start the game.

Press ← BACK repeatedly or press 📺 EXIT or stop the app with its dedicated exit/stop button.

For more information on connecting a Game Console, in Help, press the colour key ━ Keywords and look up Game Console, connect.

By Apps

To start a game from a Game Apps…

Professional Mode Off — Press ⌂/⌂/⌂ Home, select ⊞ Apps and then select Google Play Games.

Sign in your Google account and start a game.

Press ← BACK repeatedly or press 📺 EXIT or stop the app with its dedicated exit/stop button.

Professional Mode ON — Press ⌂/⌂/⌂ Home. Select 🎮 Games.

Sign in your Google account and start a game.

Press ← BACK repeatedly or press 📺 EXIT or stop the app with its dedicated exit/stop button.

9
Professional Menu App

9.1
About the Professional Menu App

From the Professional Menu App, you can start any activity you can do with the display.

The left part of the Professional Menu App is organised in rows...

· Recommended 👍
· Programme 📺
· Cast
· Apps ⚏
· Games 🎮
· More •••

The upper right part of the Professional Menu App is organised in rows...

· Manage Account
· Messages ✉ (This in an optional function depends on Hotel's internal settings.)
· Bill 📋 (This in an optional function depends on Hotel's internal settings.)
· Set Alarm ⏰
· Weather ⛅
· Menu Language 🗚
· Current Time

9.2
Open the Professional Menu App

Professional Mode OFF – Please refer to Chapter "Android display Home Screen".

Professional Mode ON – To open the Professional Menu App and open an item...

1 – Open the Professional Menu App by pressing Home ⌂ / ⌂ / 🏠.

2 – Select an activity by using the arrow keys and press OK to start the activity.

3 – To close the Professional Menu App without changing the current activity, press ←.
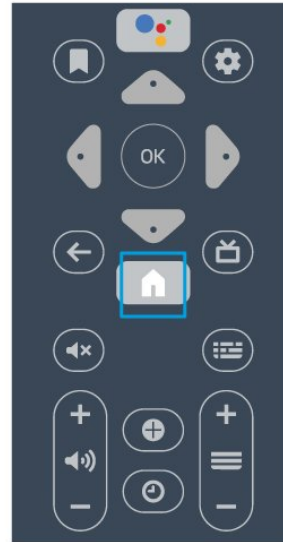
When opening the Professional Menu App, the background application/content playback will stop. You have to select the application or content from the Professional Menu App to resume.

9.3
Recommended

To open the Professional Menu App and open Recommended...

1 – Open the Professional Menu App.

2 – Select Recommended 👍 and press OK to open or start it.

3 – Select 📺. Choose a programme from the list and press OK.

4 – Select ⚏ Apps. Choose an App from the list and press OK.

9.4
Google Cast

What You Need

If an app on your mobile device has Google Cast, you can cast your app on this display. On the mobile app, look for the Google Cast icon. You can use your mobile device to control what's on display. Google Cast works on Android and iOS.

Your mobile device must be connected to the same Wi-Fi home network as your display.

Apps with Google Cast

New Google Cast apps come available every day. You can already try it with YouTube, Chrome, Netflix, Photowall ... or Big Web Quiz for Chromecast. See also google.com/cast

Some Google Play products and features aren't

available in all countries.

Find more information
on support.google.com/androidtv

Cast to Your display

To cast an app to the display...

To open the Professional Menu App and open Cast...

1 – Open the Professional Menu App.
2 – Select Cast ⏍ and press OK to open or start it.
3 – Connect Smart Phone to display by using Wi-Fi Direct (Scan the QR code or use the WiFi SSID and the password). Open an app which supports Google Cast.
4 – Tab the Google Cast icon.
5 – Select the display you would like to cast to.
6 – Press play on your smartphone or tablet. What you selected should start playing on display.

9.5
Games

To open the Professional Menu App and open Games...

1 – Press △/◁/⌂ Home to open the Professional Menu App.

2 – Select Games 🎮 and press OK .

Ideal game setting

For some games, where speed and precision is needed, set the display to the ideal Game setting before you start playing.
If your game console is added as a Game type of device in the Sources menu (list of connections), the display is set to the ideal Game setting automatically.
If the type of your game console is set as Player and used as a disc player most of the time, leave the device type set to Player.

To set the display to the ideal setting manually . . .

1 – Select △/◁/⌂ Home > ••• More > ⚙ Settings
> 🖼 Picture > Picture style.
2 – Select Game and press OK.
3 – Press ←, repeatedly if necessary, to close the menu. Remember to set the Game or computer setting back to Off when you stop playing the game.

9.6
More

To open the Professional Menu App and open More...

1 – Open the Professional Menu App.

2 – Select ••• More and press OK to open or start it.

3 – Select ⚙ Settings.

• Picture 🖼 :
Switch between the preset picture styles. There are ideal styles for watching movies or photos, etc.
• Sound 🔊 :
Switch between the preset sound styles. There are ideal styles for watching movies, listening to music or playing a game.
• Picture Format 🖽
Select a picture format that fits the screen.
• Menu Language 🔤 :
Select your language and press OK.

4 – Select 🔧 Features, and press OK.

• Set alarm ⏰ :
An alarm can be set on the display. The display can wakeup on a defined alarm time. Alternatively, alarm time can be set by pressing the ⏰ button on the remote control.
• Sleep Timer ⏲ :
With the slider bar you can set the time to up to 180 minutes in increments of 5 minutes. If set to 0 minutes, the sleep timer is switched off. You can always switch off your display earlier or reset the time during the countdown.
• Weather ⛅ :
Display the observed temperature, it contains 5 days of weather forecast for the current location. .Alternatively, alarm time can be set by pressing the ⛅ button on the remote control.
• Guide :
Set the display to receive Guide data from the broadcaster or from the Internet.
• TalkBack 💬 :
Talkback helps visual-impaired users interact with and enjoy this display by using spoken word to let him know of what's on screen.

5 – Select Personal 👤 and press OK.

• Bill 📋 : It allows the hotel guest to view his/her hotel bill during his/her stay. (Only in Professional Mode ON.)
• Messages ✉ :
Guests shall be notified when new messages from Hotel are received on the display. (Only in Professional Mode ON.)
• Message Display 🖼 :
Change the way Message notifications will be

shown. (Only in Professional Mode ON.)
· Manage Account 👤⁺ :
While signing in to Google account by using phone or laptop, make sure that the phone or laptop is connected to the same network as the display, then enter the code shown on display to complete sign in process. Guest can also use Google account email address and password to sign in.
· Clear History 🗑 :
Clear personal credentials from all applications (Also cleared automatically upon check-out, only in Professional Mode ON.)

9.7
Professional Settings

Picture Style

Select a style

Press 🏠/🏠/🏠 Home > ••• More > ⚙ Settings > 🖼 Picture > Picture style.

For easy picture adjustment, you can select a preset picture style.

· Personal – The picture preferences you set during the first start up.
· Vivid – Ideal for daylight viewing
· Natural – Natural picture settings
· 🍃 Standard – Most energy conscious setting – Factory setting
· Movie – Ideal for watching movies
· Game – Ideal for playing games
· Computer – Ideal for connecting to computer

Picture Format

Select picture format

If the picture is not filling the whole screen, if black bars are showing on the top or bottom or at both sides, you can adjust the picture to fill the screen completely.

To select one of the basic settings to fill the screen...

Press 🏠/🏠/🏠 Home > ••• More > ⚙ Settings > 🖼 Picture format.

The following format can be available according the picture on screen.

· Wide screen
· Fill screen
· Fit to Screen
· Unscaled

Sound Style

Select a style

Press 🏠/🏠/🏠 Home > ••• More > ⚙ Settings > 🖼 Sound > Sound style.

For easy sound adjustment, you can select a preset setting with sound style.

· Personal – Your personal choices made in Personalise picture and sound
· Original – Most neutral sound setting
· Movie – Ideal for watching movies
· Music – Ideal for listening to music
· Game – Ideal for gaming
· News – Ideal for speech

Language

Change the language of the display menu and messages

Press 🏠/🏠/🏠 Home > ••• More > ⚙ Settings > 🌐 Menu Language.

Select your language and press OK.

Eco Settings

Set screen off to save energy consumption

Press 🏠/🏠/🏠 Home > ••• More > 🔧 Features > 💤 Sleep Timer > Screen Off.

If you only listen to music on display, you can switch off the display.
Only the display will switch off. To switch the screen back on, press any key on the remote control.

Set Display switch off timer

Press 🏠/🏠/🏠 Home > ••• More > 🔧 Features > 💤 Sleep Timer > Sleep Timer.

Press the arrows ∧ (up) or ∨ (down) to adjust the value. The value 0 (Off) deactivates the automatic switch off.

Select Switch off timer, the display switches off automatically to save energy.
* display switches off if receiving a display signal but you don't press a key on the remote control during a 4 hour period.

* display switches off if not receiving a display signal nor a remote control command for 10 minutes.

* If you use this model as a monitor and you do not

use the remote control of the model, you should deactivate this automatic switch off, to set the value to **0**.

9.8

Google Account

Sign In

To enjoy the full capabilities of your Philips Android display, you can sign in to Google with your Google Account.

By signing in you'll be able to play your favourite games across phone, tablet and display. You'll also get customised video and music recommendations on your display home screen as well as access to YouTube, Google Play and other apps.

Use your existing **Google Account** to sign in to Google on your display. A Google Account consists of an email address and a password. If you don't have an Google Account yet, use your computer or tablet to create one (accounts.google.com). If you did not sign in during the first display installation, you can always sign in later.

Sign In

Press ⌂/⌂/🏠 > Open the Professional Menu App screen.

Choose the Manage Account at the upper right part of the Professional Menu App screen and press **OK**. With the on-screen keyboard, enter your email address and password, press the same **OK** key to sign in.

Android display Home Screen

10.1
About the Android display Home Screen

To enjoy the benefits of your Android display, connect the display to the Internet.

Like on your Android smartphone or tablet, the Home screen is the centre of your display. From the Home sreen you can decide what to watch by browsing entertainment options from app and live display. Your Home has lists to let you discover great contents from your favourite apps. You can also add additional lists or find new apps to get more contents.

10.2
Open the Android display Home Screen

Professional Mode ON – please refer to the installation manual.

Professional Mode OFF – To open the Android display Home Screen and open an item...

1 – Press Menu and navigate to 'Philips Collection', then press OK.

2 – Select an activity using the arrow keys and press OK to start the activity.

3 – To close the Home menu without changing the current activity, press ←.
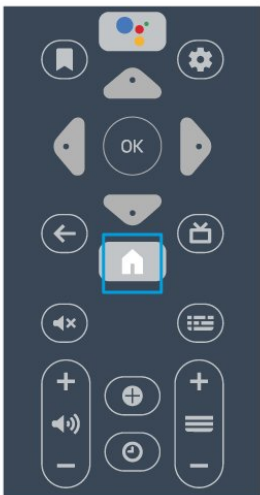
When opening the Android display Home screen, the background application/content playback will stop. You have to select the application or content from the

Android display Home screen to resume.

10.3
Android display Settings

Picture

Picture Settings

Picture Style

Select a style

Press ⌂/⌂/🏠 > ✿ Settings > Picture > Picture style.
For easy picture adjustment, you can select a preset picture style.

· Personal – The picture preferences you set during the first start up.
· Vivid – Ideal for daylight viewing
· Natural – Natural picture settings
· ▰ Standard – Most energy conscious setting – Factory setting
· Movie – Ideal for watching movies
· Game – Ideal for playing games
· Computer – Ideal for connecting to computer

Customise a Style

Any picture setting you adjust, like Colour or Contrast, is stored in the currently selected Picture Style. It allows you to customise each style.
Only the style Personal can save its settings for each source in the Sources menu.

Colour, Contrast, Sharpness, Brightness

Adjust the picture colour

Press ⌂/⌂/🏠 Home > ✿ Settings > Picture > Colour.
Press the arrows ⌃ (up) or ⌄ (down) to adjust the colour saturation value of the picture.

Adjust the picture contrast

Press ⌂/⌂/🏠 Home > ✿ Settings > Picture > Contrast.Press the arrows ⌃ (up) or ⌄ (down) to adjust the contrast value of the picture.

You can decrease contrast value to reduce power consumption.

Adjust the picture sharpness

Press ⌂/⌂/🏠 Home > ✿ Settings > Picture > Sharpness.

Press the arrows ⌃ (up) or ⌄ (down) to adjust the sharpness value of the picture.

Adjust brightness

Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Brightness.
Press the arrows ⌃ (up) or ⌄ (down) to set the level of brightness of the picture signal.

Note: Setting of brightness much away from reference value (50) may result lower contrast.

Advanced Picture Settings

Colour Settings

Advanced Colour Settings

Adjust the colour enhancement
Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Colour > Colour Enhancement.

Select **Maximum, Medium,** or **Minimum** to set the level of the colour intensity and the details in bright colours.

Select the preset colour temperature
Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Colour > Colour Temperature.

Select **Normal, Warm,** or **Cool** to set the colour temperature for your preference.

Customise colour temperature
Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Colour > Custom Colour temperature.

Select Custom in Colour temperature menu to customise a colour temperature yourself. Press the arrows ⌃ (up) or ⌄ (down) to adjust the value. WP is white point and BL is black level. You can also select one of the presets in this menu.

Advanced Contrast Settings

Contrast Modes

Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Contrast > Contrast mode.

Select **Normal, Optimized for picture**, or **Optimized for energy savings** to set the display automatically reduces the contrast, for best power consumption or for best picture experience, or select Off to switch off the adjustment.

Dynamic Contrast

Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Contrast > Dynamic contrast.

Select Maximum, Medium, or Minimum to set the level at which the display automatically enhances the details in the dark, middle and light areas of the picture.

Video Contrast, Gamma

Video contrast
Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Contrast > Video contrast.

Press the arrows ⌃ (up) or ⌄ (down) to adjust the video contrast level.

Gamma
Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Contrast > Gamma.

Press the arrows ⌃ (up) or ⌄ (down) to set a non-linear setting for picture luminance and contrast.

Advanced Sharpness Settings

Ultra Resolution

Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Sharpness > Ultra Resolution.

Select On to have a superior sharpness in line edges and details.

Picture Clean

Noise reduction

Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture > Advanced > Picture clean > Noise reduction.

Select Maximum, Medium, or Minimum to set the level for removing the noise in video content. Noise is mostly visible as small moving dots in on-screen picture.

MPEG Artefact Reduction

Press ⌂/⌂/🏠 Home > ⚙ Settings > Picture >
Advanced > Picture clean > MPEG Artefact
Reduction.

Select Maximum, Medium, or Minimum to have
different degress of smoothing the artefects in digital
video content.
MPEG artefacts are mostly visible as small blocks or
jagged edges in on-screen images.

Picture Format

If the picture is not filling the whole screen, if black
bars are showing on the top or bottom or at both
sides, you can adjust the picture to fill the screen
completely.

To select one of the basic settings to fill the screen…

1 – While watching display, press ⌂/⌂/🏠 Home >
⚙ Settings > Picture > Picture Format.
2 – Select a format from the list and press OK.
3 – Press ← BACK, repeatedly if necessary, to close
the menu.

The following format can be available according the
picture on screen . . .

· Wide screen
· Fill screen
· Fit to Screen
· Unscaled

Sound

Sound Style

Select a style

Press ⌂/⌂/🏠 Home > ⚙ Settings >
Sound > Sound style.
For easy sound adjustment, you can select a preset
setting with sound style.

· Personal – Your personal choices made in
Personalise picture and sound
· Original – Most neutral sound setting
· Movie – Ideal for watching movies
· Music – Ideal for listening to music
· Game – Ideal for gaming
· News – Ideal for speech

Sound Management

Select a device.

Press ⌂/⌂/🏠 Home > ⚙ Settings >

Sound > Sound Management.
Configure the audio output devices.

· Display Speakers – Set the display to play the
sound on display or on the connected audio system.
· Headphone/Bathroom speakers – On/Off.
· Headphone/Bathroom Spk Fixed Vol – When
enabled, the volume level of
the Headphone/Bathroom speaker will be fixed to
the Switch on Settings.
· Headphone Detection – On/Off.

Display placement

Press ⌂/⌂/🏠 Home > ⚙ Settings >

Sound > display Placement.

Select On a display stand or On the wall to have
best sound reproduction according to the setting.

Eco Settings

Sleep Timer

Press ⌂/⌂/🏠 Home > ⚙ Settings > Eco Settings >
Sleep Timer.

Set the display to switch to standby automatically
after a preset time.To disable this feature, please set
time to zero.

Press the arrows ⌃ (up) or ⌄ (down) to adjust the
value. The value 0 (Off) deactivates the automatic
switch off.

Select Switch off timer, the display switches off
automatically to save energy.
* display switches off if receiving a display signal but
you don't press a key on the remote control during a
4 hour period.

* display switches off if not receivING a display
signal nor a remote control command for 10 minutes.

Screen Off

Press ⌂/⌂/🏠 Home > ⚙ Settings > Eco Settings >
Screen Off.

If you only listen to music on display, you can switch
off the display screen.
Only the display screen will switch off. To switch the
screen back on, press any key on the remote control.

Region, and Language

languages

Press ⌂/⌂/🏠 Home > ⚙ Settings > Region, and Language > Languages.

Set the region or language settings.

· Android system / Menu Language – Change the language for menus and messages.
· Primary Audio – Set your highest preference for audio language in broadcasts.
· Secondary Audio – Set your next preference for audio language in broadcasts.
· Primary Subtitles – Set your highest preference for subtitles language in broadcasts.
· Secondary Subtitles – Set your next preference for subtitles language in broadcasts.
· Primary Text – Set your first preference for Text language in broadcasts.
· Secondary Text – Set your next preference for Text language in broadcasts.

Universal Access Settings

Press ⌂/⌂/🏠 > ⚙ Settings > Accessibility > Universal access.
With Universal Access switched on, the display is prepared for use for the deaf, hard of hearing, blind or partially sighted people.

Switch on universal access settings

Press ⌂/⌂/🏠 > ⚙ Settings > Accessibility > Universal access > On.

Universal access for hearing impaired people

Press ⌂/⌂/🏠 > ⚙ Settings > Accessibility > Universal access > Hearing impaired > On.

· Switched on, the display automatically switches to the adapted audio and subtitles, if available.
Universal access for blind or partially sighted people

Press ⌂/⌂/🏠 > ⚙ Settings > Accessibility > Universal access > Audio description > Audio description > On.

⚙ Settings > Accessibility > Universal access > Audio description > Mixed volume, Audio effects, Speech.

· Select Mixed volume, you can mix the volume of the normal audio with the audio commentary. Press the arrows ⌃ (up) or ⌄ (down) to adjust the value.
· Set Audio effect to On for extra audio effects in the commentary audio, like stereo or fading sound.
· Select Speech to set speech preference, Descriptive or Subtitles.

Content Rating

Rating Level

Press ⌂/⌂/🏠 Home> ⚙ Settings > Content rating.

To prevent children from watching a programme not suitable for their age, you can set an age rating. When the age rating of a programme is equal to or higher than the age you have set as age rating for your child, the programme will be locked. To watch a locked programme, you must enter the code first.

To set an age rating
Press ⌂/⌂/🏠 Home> ⚙ Settings > Content rating > Rating Level.

Select the age and press OK. To switch off the age rating, select None. However, in some countries you must set an age rating.

Set Code and Change Code

Press ⌂/⌂/🏠 Home> ⚙ Settings > Content rating.

The child lock code is used to lock or unlock programmes.

Set new code or reset change code.

Press ⌂/⌂/🏠 Home > ⚙ Settings > Content rating > Change Code.

Note:

If you forgot your PIN code, you can override the current code use 8888 and enter a new code.

10.4
Connect your Android display

Network and Internet

Home Network

To enjoy the full capabilities of your Philips Android display, your display must be connected to the Internet.

Connect the display to a home network with a high-speed Internet connection. You can connect your display wirelessly or wired to your network router.

Connect to Network

Wireless Connection

What You Need

To connect the display to the Internet wirelessly, you need a Wi-Fi router with a connection to the Internet.

Use a high-speed (broadband) connection to the Internet.

Make the Connection

Make the Connection – WIRELESS

Press ⌂/◺/🏠 Home > ✿ Settings > 📶 Wireless and Networks > Connect to Network > WIRELESS.

1 – In the list of found networks, select on your wireless network. If your network is not in the list because the network name is hidden (you switched off the SSID broadcast of the router), select Add New Network to enter the network name yourself.
2 – Depending on the type of router, enter your encryption key – WEP, WPA or WPA2. If you entered the encryption key for this network before, you can select OK to make the connection immediately.
3 – A message will be shown when the connection is successful.

Make the Connection – WPS

Press ⌂/◺/🏠 Home > ✿ Settings > 📶 Wireless and Networks > Connect to Network > WPS.

If your router has WPS, you can directly connect to the router without scanning for networks. If you have devices in your wireless network that use the WEP security encryption system, you cannot use WPS.

1 – Go to the router, press the WPS button and return to the display within 2 minutes.
2 – Select Connect to make the connection.
3 – A message will be shown when the connection is successful.

Make the Connection – WPS WITH PIN Code

Press ⌂/◺/🏠 Home > ✿ Settings > 📶 Wireless and Networks > Connect to Network > WPS WITH PIN Code.

If your router has WPS with a PIN code, you can directly connect to the router without scanning for networks. If you have devices in your wireless network that use the WEP security encryption system, you cannot use WPS.

1 – Write down the 8-digit PIN code shown on screen and enter it in the router software on your PC. Consult the router manual on where to enter the PIN code in the router software.
2 – Select Connect to make the connection.
3 – A message will be shown when the connection is successful.

Problems

Wireless network not found or distorted
· Microwave ovens, DECT phones or other Wi-Fi 802.11b/g/n/ac devices in your proximity might disturb the wireless network.
· Make sure that the firewalls in your network allow access to the display's wireless connection.
· If the wireless network does not work properly in your home, try the wired network installation.

Internet does not work
· If the connection to the router is OK, check the router connection to the Internet.

The PC and Internet connection are slow
· Look in your wireless router's user manual for information on indoor range, transfer rate and other factors of signal quality.
· Use a high-speed (broadband) Internet connection for your router.

DHCP
· If the connection fails, you can check the DHCP (Dynamic Host Configuration Protocol) setting of the router. DHCP should be switched on.

Wired Connection

What You Need

To connect the display to the Internet, you need a network router with a connection to the Internet. Use a high-speed (broadband) connection to the Internet.
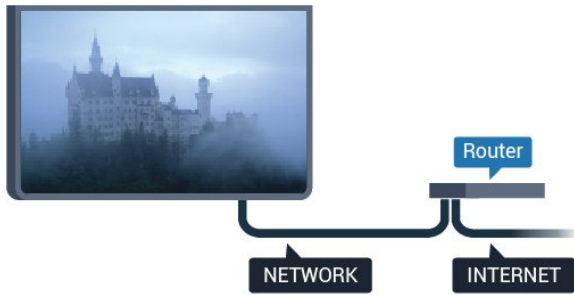
Make the Connection

Make the Connection – WIRED

Press ⌂/⌂/🏠 Home > ⚙ Settings > 📶 Wireless and Networks > Connect to Network > WIRED.

1 – Connect the router to the display with a network cable (Ethernet cable**).
2 – Make sure that the router is switched on.
3 – The display constantly searches for the network connection.
4 – A message will be shown when the connection is successful.

If the connection fails, you can check the DHCP setting of the router. DHCP should be switched on.

**To fulfill EMC regulations, use a shielded FTP Cat. 5E Ethernet cable.

Google Account

Sign In

To enjoy the full capabilities of your Philips Android display, you can sign in to Google with your Google Account.

By signing in you'll be able to play your favourite games across phone, tablet and display. You'll also get customised video and music recommendations on your display home screen as well as access to YouTube, Google Play and other apps.

Use your existing **Google Account** to sign in to Google on your display. A Google Account consists of an email address and a password. If you don't have an Google Account yet, use your computer or tablet to create one (accounts.google.com). To play games with Google Play, you need a Google+ profile. If you did not sign in during the first display installation, you can always sign in later.

Sign In

Press ⌂ Home > 🖥 Apps > Google Play.

With the on-screen keyboard, enter your email

address and password, press the same **OK** key to sign in.

Android Settings

You can set or view several Android specific settings or information. You can find the list of apps installed on your display and the storage space they need. You can set the language you like to use with Voice Search. You can configure the onscreen keyboard or allow apps to use your location. Explore the different Android settings. You can go to www.support.google.com/androidtv for more information on these settings.

To open these settings

Press ⌂/⌂/🏠 Home > ⚙ Settings > Settings > Android Settings.

10.5
Internet

Start Internet

You can browse the Internet on your display. You can view any Internet website but most of them are not prepared for a display screen.

· Some plug-ins (e.g. to view pages or videos) are not available on your display.
· You cannot send or download files.
· Internet pages are shown one page at a time and full screen.

To start the Internet browser…

1 – Press ⌂/⌂/🏠 HOME.
2 – Scroll down and select 🖥 Apps > 🌐 Internet and press OK.
3 – Enter an Internet address and select ✔, press OK.
4 – To close Internet, press ⌂ / ⌂ HOME or 📺 .

Options on Internet

Some extras are available for the Internet.

To open the extras…

1 – With the website open, press ➕ OPTIONS.
2 – Select one of the items and press OK.
· Add to speed dial: To enter a new Internet address.
· Add to bookmarks: Add the page as bookmark
· Page security: To view the security level of the current page.
· New private tab: Open new private tab, and have private browsing
· Settings: Settings for Zoom, Text size, Accessibility

mode, Always show menu bar, and clear (browsing) history
· Help: Internet browser information
· Exit Internet browser: Close Internet browser

10.6
Software

Update Software

Update from Internet

If the display is connected to the Internet, you may receive a message to update the display software. You need a high-speed (broadband) Internet connection. If you receive this message, we recommend you to carry out the update.

With the message on screen, select Update and follow the instructions on-screen.

You can also look for a software update yourself.

During the software update, there is no picture and the display will switch off and on again. This might happen several times. The update can take a few minutes. Wait until the display picture comes back up. Do not press the power switch ⏻ on the display or on the remote control during the software update.

To look for a software update yourself…

1 – Press ⌂/⌂/🏠 Home
> ⚙ Settings > ▣ Update Software.
2 – Select Internet and press OK.
3 – The display will look for an update on the Internet.
4 – If an update is available, you can update the software right away.
5 – A software update can take several minutes. Do not press the ⏻ key on the display or remote control.
6 – When the update is done, the display will return to the programme you were watching.

Update from USB

It might be necessary to update the display software.

You need a computer with an high-speed Internet connection and a USB flash drive to upload the software on the display. Use a USB flash drive with at least 2Gb free space. Make sure that write protection is switched off.

To update the display software…

1 – Press ⌂/⌂/🏠 Home > ⚙ Settings > ▣ Update Software.
2 – Select Firmware Upgrade from USB and press OK.
Download the software

1 – Insert the USB flash drive into your computer.
2 – On the USB flash drive, locate the file update.htm and double click it.
3 – Click Send ID.
4 – If new software is available, download the .zip file.
5 – After the download, unzip the file and copy the file autorun.upg onto the USB flash drive. Do not place this file in a folder.
Update the display software
1 – Insert the USB flash drive into the display again. The update starts automatically.
2 – A software update can take several minutes. Do not press the ⏻ key on the display or remote control. Do not remove the USB flash drive.
3 – When the update is done, the display will return to the programme you were watching.

If a power cut occurs during the update, never remove the USB flash drive from the display. When the power returns, the update will continue.

To prevent an accidental update of the display software, delete the autorun.upg file from the USB flash drive.

Software Version

To view the current display software version…

1 – Press ⌂/⌂/🏠, select Settings ⚙ and press OK.
2 – Select Update Software > Current Firmware and press OK.
3 – The version, release notes and creation date are shown.
4 – Press ‹ (left) repeatedly if necessary, to close the menu.

Update from website

You can find the current firmware version of your display in the settings menu under "Update Software" > "Current firmware".

Regularly check www.philips.com/support for new Firmware updates.

Follow the instructions below to update the firmware of your display.

Download the latest software…

1 – Launch the Internet Explorer.
2 – Enter the Philips support site at url http://www.philips.com/support .
3 – Enter the model number. (You can find your model number from the label on the rear of the display.)
4 – When enter your display's product page, select

Support.

5 – Select "Software updates", and click on "Download file" to download the software. (The software is available as a zip file.)

6 – If the software version is higher than the version installed on your display, click the software download link.

7 – Accept the license agreement/Terms and Conditions, select "I agree", then the zip file will be downloaded automatically.

8 – Unzip the zip file to any directory using an archive utility.

9 – Create a folder name "upgrades" in the main directory of your USB flash drive.

10 – Copy the upg file you have extract earlier into the upgrades folder, as depicted in the picture below.

11 – Disconnect your USB flash drive from the computer.
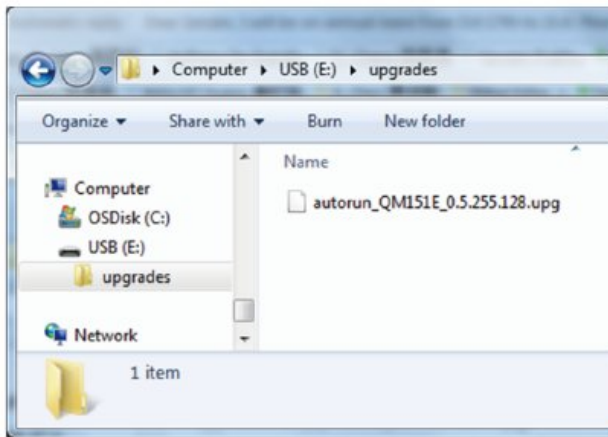
Update the software...

1 – Connect your USB flash drive (containing the software update) to the USB connector on the display. Wait 30 seconds or until the USB drive is recognized by the display.

2 – Your display will start loading the software automatically.

3 – When the loading of the software finished, press "Start" to activate the upgrade of the display.

Help and Support

11.1
Troubleshooting

Switch On and Remote Control

The display 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.

Creaking sound at startup or switch off

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

Display does not respond to the remote control

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

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

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

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 display Consumer Care.

Picture

No picture / distorted picture
· Make sure that the antenna is properly connected to the display.
· 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 picture from a device
· Make sure that the device is connected properly.
· Make sure that the picture settings are set correctly.

Picture does not fit the screen

Change to a different 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 display 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 display 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.

Connections

HDMI

– Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a display to show content from an HDMI device.
– If the display 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.

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 display.
– Make sure that the audio and picture file formats are supported by the display.

Choppy playback of USB files

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

Wi-Fi, Internet and Bluetooth

Wi-Fi network not found or distorted
· Microwave ovens, DECT phones or other Wi-Fi 802.11b/g/n/ac devices in your proximity might disturb the wireless network.
· Make sure that the firewalls in your network allow access to the display's wireless connection.
· If the wireless network does not work properly in your home, try the wired network installation.

Internet does not work
· If the connection to the router is OK, check the router connection to the Internet.

The PC and Internet connection are slow
· Look in your wireless router's user manual for information on indoor range, transfer rate and other factors of signal quality.
· Use a high-speed (broadband) Internet connection for your router.

DHCP
· If the connection fails, you can check the DHCP (Dynamic Host Configuration Protocol) setting of the router. DHCP should be switched on.

Bluetooth lost connection
· Places with a high amount of wireless activity – apartments with lots of wireless routers – can hamper the wireless connection.

Network

Wi-Fi network not found or distorted
· Microwave ovens, DECT phones or other Wi-Fi 802.11b/g/n/ac devices in your proximity might disturb the wireless network.
· Make sure that the firewalls in your network allow access to the display's wireless connection.
· If the wireless network does not work properly in your home, try the wired network installation.

Internet does not work
· If the connection to the router is OK, check the router connection to the Internet.

The PC and Internet connection are slow
· Look in your wireless router's user manual for information on indoor range, transfer rate and other factors of signal quality.
· Use a high-speed (broadband) Internet connection for your router.

DHCP
· If the connection fails, you can check the DHCP (Dynamic Host Configuration Protocol) setting of the router. DHCP should be switched on.

11.2

Online Help

To solve any Philips display 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 display software or the manual to read on your computer.

Support and 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 display.
Or consult our
website www.philips.com/support and select your country if needed.

Display model number and serial number

You might be asked to provide the display 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 display.

⚠ Warning

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

Safety and Care

12.1
Safety

Important

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

No modify this equipment without authorization of the manufacturer.

Risk of Electric Shock or Fire

· Never expose the display to rain or water. Never place liquid containers, such as vases, near the display.
If liquids are spilt on or into the display, disconnect the display from the power outlet immediately. Contact Philips display Consumer Care to have the display checked before use.
· Never expose the display, 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 display.
· 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 display screen.
· To disconnect the display from the mains power, the power plug of the display 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 display

· Two people are required to lift and carry a display that weighs more than 25 kg or 55 lbs.
· If you mount the display on a stand, only use the supplied stand. Secure the stand to the display tightly.
Place the display on a flat, level surface that can support the weight of the display and the stand.
· When wall mounted, ensure that the wall mount can safely bear the weight of the display set. TPV 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 display !

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

Stability Hazards

A display set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

· ALWAYS ensure the display set is not overhanging the edge of the supporting furniture.
· ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the display set.
· ALWAYS use furniture that can safely support the display set.
· ALWAYS educate children about the dangers of climbing on furniture to reach the display set or its controls.
· ALWAYS route cords and cables connected to your display so they cannot be tripped over, pulled or grabbed.
· NEVER place a television set in an unstable location.
· NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the display set to a suitable support.
· NEVER place the television set on cloth or other materials that may be located between the display set and supporting furniture.
· NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the display or furniture on which the display is placed.

If the existing display set is going to be retained and relocated, the same considerations as above should be applied.

Risk of batteries

· Do not ingest the battery. Chemical burn hazard.
· The remote control may contains 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.
· Risk of fire or explosion if the battery is replaced by an incorrect type.
· Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).
· Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
· Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
· A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Risk of Overheating

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

Lightning Storms

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

Low Temperatures

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

Humidity

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

12.2
Health Care Facility Apparatus

If this display is intended for entertainment purposes for use in a hospital, a nursing home, a medical-care center, or a similar health-care facility in which installation is limited to a nonhazardous area, it must be installed wall-mounted or ceiling mounted.

It is not intended for use in a critical-care area in which a patient is treated with an externalized electrical conductor, such as a probe, a catheter,

or other electrode, connected to the heart; however, the apparatus will be contacted by a patient during his stay in a health-care facility.

12.3
Important and RoHS regulations

Please carefully read and understand all instructions for safe operation before use. Any damage caused by failure to follow the instructions will not be covered by the warranty.

RoHS regulatory requirements

Device name: Philips LED backlit smart display

Model (type):

43HFL5214U/96, 50HFL5214U/96, 55HFL5214U/96, 65HFL5214U/96

單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr +6)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
塑料外框	○	○	○	○	○	○
後殼	○	○	○	○	○	○
液晶面板	－	○	○	○	○	○
電路板組件	－	○	○	○	○	○
底座	○	○	○	○	○	○
電源線	－	○	○	○	○	○
其他線材	－	○	○	○	○	○
喇叭	－	○	○	○	○	○
備考1. 〝○〞係指該項限用物質之百分比含量未超出百分比含量基準值。 備考2. 〝－〞係指該項限用物質為排除項目。						

Safety precautions

Warning: Excessive use may cause damage to eyesight.

Precautions:

· You should take a 10-minute break for every 30 minutes of use
· Children under the age of 2 should not look at the screen and those over the age of 2 should not look at the screen for more than 1 hour per day.

Technical specifications for low-power radio frequency equipment

Without approval, businesses, shops or users are not permitted to change the frequency, increase the power or change the original design characteristics and functions of the low-power RF equipment certified by inspection. The use of low-power radio frequency equipment must not affect flight safety or interfere with lawful communications. If any interference is discovered, it should be stopped immediately and improved to ensure no interference before continuing use. The aforementioned lawful communication refers to radio communication operated in accordance with the provisions of the Telecommunications Management Act. Low-power radio frequency equipment must withstand interference from lawful communications or electrical equipment used for radio wave radiation in industrial, scientific and medical applications.

Wireless information transmission equipment operating in the 5.25–5.35 GHz frequency band is limited to indoor use only.

Avoid interfering with the operation of nearby radar systems.
High-gain directional aerials can only be used in fixed point-to-point systems.

Terms of Use

13.1
Terms of Use – Display

2021 © TP Vision Europe B.V. All rights reserved.

This product was brought to the market by TP Vision Europe B.V. or one of its affiliates, hereinafter referred to as TP Vision, which is the manufacturer of the product. TP Vision is the warrantor in relation to the display with which this booklet was packaged. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V or their respective owners. TP Vision reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly.

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

The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. TP Vision warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied. TP Vision cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

Terms of warranty – Risk of injury, damage to display or void of warranty!
Never attempt to repair the display yourself. Use the display and accessories only as intended by the manufacturer. The caution sign printed on the back of the display indicates risk of electric shock. Never remove the display cover. Always contact Philips display Customer Care for service or repairs. Find the telephone number in the printed documentation that came with the display. 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 display 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.

14
Copyrights

14.1
HDMI

HDMI

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DTS-HD

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Wi-Fi Alliance

Wi-Fi

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Kensington

Kensington

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Other Trademarks

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15
Open Source

15.1
Open Source Software

This television contains open source software. TP Vision Europe B.V. hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licences.

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 .
. .

open.source@tpv-tech.com

or please scan the Qrcode below to read the READ ME document online.

15.2
Open Source License

15.3
Announcements

You can receive an announcement on new display software available for download or other software related issues.

To read these announcements…

1 – Press ✿, select **All Settings** and press **OK**.
2 – Select **Update Software** > **Announcements**, and press **OK**.
3 – If there is an announcement, you can read it or select one of the announcements available.
4 – Press ❮ (left) repeatedly if necessary, to close the menu.

Index