



User Manual



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Table on Contents

Overview	3	7 Settings	25
Dear customer	3	Overview of the menu functions	25
About this user manual	3	Reset functions	27
What's in the box	3	8 Service	29
Product highlights	3	Cleaning	29
1 General safety information	4	Replacing the lamp	29
Setting up the device	4	Troubleshooting	31
Repairs	4	9 Appendix	33
Power supply	5	Technical data	33
3D glasses use	5	Accessories	33
Dolby digital	5		
2 Overview	6		
Top view	6		
Side view	6		
Rear view	7		
Remote control	8		
Browsing the user interface	9		
Option menu and Short cut menu	9		
Overview of the main menu functions	10		
3 Initial operation	11		
Setting up the device	11		
Connecting power supply	11		
Installing or changing the batteries of the IR remote control	12		
Using the remote control	12		
3D glasses (optional)	12		
Initial installation	14		
4 Connect to the playback device	16		
Connecting to devices with HDMI output	16		
Connecting to a computer (VGA)	16		
Connecting a screen using the automatic Trigger input	17		
Connecting using an audio/video (CVBS) adapter cable	17		
Connecting to external devices via digital cable	17		
Connecting to a home cinema amplifier	18		
Connecting to headphones	18		
5 Bluetooth speaker	20		
Activating Bluetooth speaker	20		
Pair mode	20		
6 Media playback (optional)	21		
Navigation for media playback	21		
Activating media player	22		
Movie playback	22		
Photo playback (optional)	23		
Music playback (optional)	24		

Overview

Dear customer

Thank you for purchasing our projector.
We hope you enjoy your device and its many functions!

About this user manual

With the quick start guide that is supplied with your device, you can start using your device quickly and easily. Detailed descriptions can be found in the following sections of this user manual.

Read the entire user manual carefully. Follow all safety instructions in order to ensure proper operation of your device. The manufacturer accepts no liability if these instructions are not followed.

This user manual describes several versions of the product. An infrared remote control (IR) is provided.

Symbols used

Notice



Troubleshooting

This symbol designates tips that will help you to use your device more effectively and easily.

CAUTION!



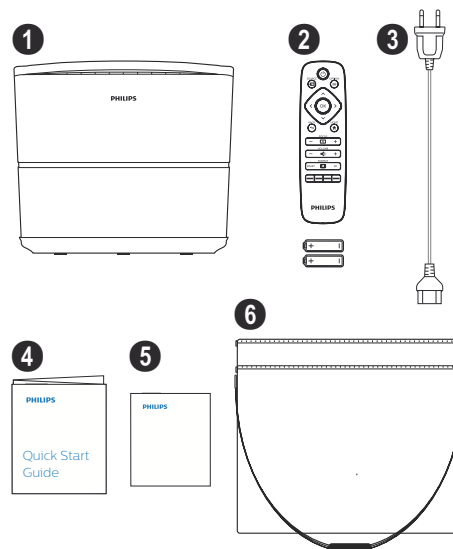
Damage to the device or loss of data!

This symbol gives warning of damage to the device and possible loss of data. This damage can result from improper handling.

DANGER!

What's in the box

- ❶ – Projector
- ❷ – Remote control (with two AAA battery)
- ❸ – A/C power cable
- ❹ – Quick start guide
- ❺ – Warranty card
- ❻ – Carry bag (depending on model)



Product highlights

Wide-ranging connections

Your device is full HD compatible. With a HDMI cable you can connect the projector to a Blue-ray player, set-top box or gaming console (see Connect to the playback device, page 16).

Brilliant image

The luminAce engine ensures a brilliant and crisp image with 2000 colour lumens and natural colours.

Excellent sound

The integrated Dolby Digital 2.1 sound system ensures a full and rich sound.

1 General safety information

Do not make any changes or settings that are not described in this user manual. Physical injury or damage to the device or loss of data can result from improper handling. Take note of all warning and safety notes indicated.

Setting up the device

The device is for indoor use only. The device should be placed securely on a stable, flat surface. Position all cables in such a way that no one will stumble on them, thus avoiding possible injuries to persons or damage to the device itself.

Do not plug in the device in moist rooms. Never touch the mains cable or the mains connection with wet hands.

Never operate the projector immediately after moving it from a cold location to a hot location. When the device is exposed to such a change in temperature, moisture may condense on the crucial internal parts.

The device must have sufficient ventilation and may not be covered. Do not put your device in closed cabinets or boxes.

Do not place the device on soft surfaces such as tablecloths or carpets and do not cover the ventilation slits. Otherwise the device could overheat or catch fire.

Protect the device against direct sunlight, heat, large temperature fluctuations and moisture. Do not place the device in the vicinity of heaters or air conditioners. Observe the information on temperature and humidity in the technical data (see Technical data, page 33).

Do not allow liquids to enter into the device. Switch off the device and disconnect it from the mains supply if liquids or foreign substances end up inside the device. Have the unit inspected by a technical service centre.

Always handle the device with care. Avoid touching the lens. Never place heavy or sharp objects on the device or the power cable.

If the device gets too hot or emits smoke, shut it down immediately and unplug the power cable. Arrange for your device to be investigated by a technical service centre. To prevent the spread of fire, open flames should be kept away from the device.

Under the following conditions, a layer of moisture can appear inside the device which can lead to malfunctions:

- if the device is moved from a cold to a warm area;
- after a cold room is heated;
- when this device is placed in a damp room.

Proceed as follows to avoid any moisture build-up:

- 1 Seal this device in a plastic bag before moving it to another room, in order for it to adapt to room conditions.
- 2 Wait one to two hours before you take the device out of the plastic bag.

The device should not be used in a very dusty environment. Dust particles and other foreign objects may damage the unit.

Do not expose the device to extreme vibrations. It may damage the internal components.

Do not allow children to handle the device without supervision. The packing materials should be kept out of the hands of children.

Repairs

Do not repair the device yourself. Improper maintenance can result in injuries or damage to the device. Your device must be repaired by an authorised service centre.

Find details of authorised service centres on the warranty card.

Do not remove the type label from your device; this would void the warranty.



Power supply

Before turning on your device, check that the outlet that you are going to plug it into conforms to the indications shown on the information plate (voltage, current, power network frequency) located on your device. This device shall be connected to a single phase power network. The device shall not be installed on bare ground.

Only use the power cable that is supplied with your device. Your device is delivered with a grounded power cable. It is imperative to connect a grounded connector to a grounded outlet connected to the building earthing.

The socket outlet shall be installed near the device and shall be easily accessible.

To remove all electrical power from the device, disconnect the power cable from the electrical outlet. Only in case of danger, the power cable is the disconnect device for this projector.

CAUTION!



Always use the **POWER** button to power off the projector. This is mandatory for the UHP lamp to respect the necessary cooling time!

Turn off the device and unplug from the power outlet before cleaning the surface. Use a soft, lint-free cloth. Never use liquid, gaseous or easily flammable cleansers (sprays, abrasives, polishes, alcohol). Do not allow any moisture to reach the interior of the device.

DANGER!



Risk of eye irritation!

... could cause
eye irritation or damage.

3D glasses use

For the use of 3D glasses at home for watching TV mind:

- it is contraindicated for children less than six years old;
- for children from six years old to adulthood, should be limited to the vision for a maximum time equal to the duration of a film show;
- the same time limit is also recommended for adults;
- must be restricted to watching only 3D content
- how to make a proper and regular cleaning and disinfection in the case of any particular eventualities-ocular infections, infestations of the head, mixed use, etc. where disinfection of the glasses is not possible as it may damage the functionality of the 3D glasses must be communicated to the consumer that in presence of these eventualities-infections is contraindicated the use of 3D glasses for the person concerned until the disappearance of the above circumstances;
- 3D glasses must be kept out of children if there is the presence of small moving parts ingestible;

3D glasses are to be used together with the instruments of vision correction in case the consumer is the bearer of lenses (eyeglasses or contact lenses).

CAUTION!



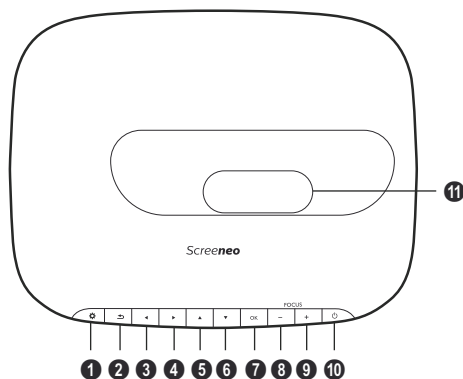
You should stop watching 3D in the event of the occurrence of eye problems or discomfort, and in the event of a persistence of the same, consult a doctor.

Dolby digital

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

2 Overview

Top view



- 1** / **OPTION**
Opens the Option menu.
- 2** / **BACK** /
Goes one level back in menu / cancels a function.
- 3–6** **Navigation keys** – / / /
Navigate in menu / modify settings, confirms selection.
- 7** **OK**
Goes one level down in menu / confirms selection.
- 8–9** **FOCUS** – / +
Adjusts the focus for image sharpness.
- 10** / **POWER**
Short press: Powers on the projector.
Double press: Powers off the projector.
Long press (three seconds): Starts Pairing mode.
Long press (ten seconds): Resets the projector.

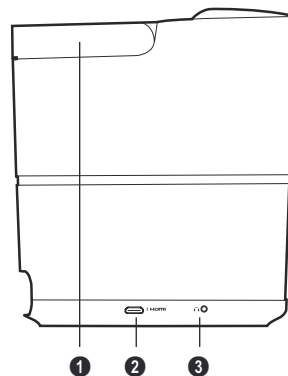
CAUTION!



Always use the **POWER** button to power off the projector. This is mandatory for the UHP lamp to respect the necessary cooling time!

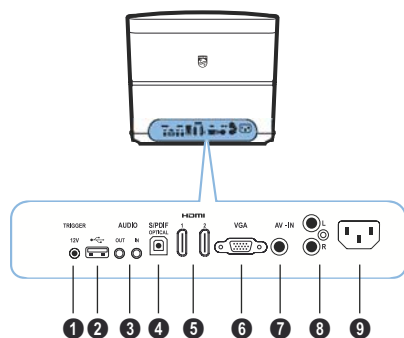
11 Lens

Side view



- 1** **Tragegriff (ausklappbar) Carry handle**
- 2** **HDMI**
HDMI port for a playback device.
- 3** – **Audio output**
Headphone connection or connection for external speakers.

Rear view



❶ TRIG OUT

Remote screen connection.

❷

USB port for firmware update.

❸ AUDIO

AUDIO OUT: Connection for external speakers.

AUDIO IN: Connection for external audio devices – only with VGA input.

❹ SPDIF OPTICAL

Digital audio connector.

❺ HDMI 1 and 2

HDMI port for a playback device.

❻ VGA

Personal computer input.

❼ AV-IN

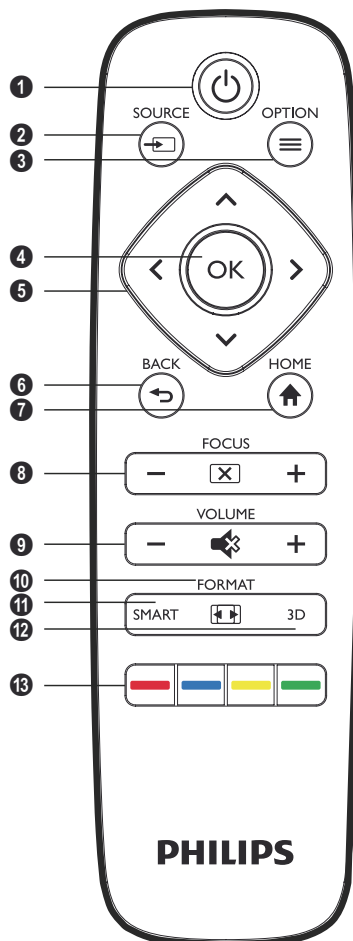
RCA plug for composite video.

❽ AUDIO

Analogue audio connector.

❾ Power supply socket

Remote control



1 ⏻ / POWER

Short press: Powers on the projector.
 Double press: Powers off the projector.
 Long press (three seconds): Starts Pairing mode.
 Long press (ten seconds): Resets the projector.

CAUTION!



Fahren Sie das Gerät stets ordnungsgemäß herunter, um Schäden an der UHP-Lampe zu vermeiden.

2 SOURCE

Opens the Source short cut menu.

3 OPTION / ⚙️

Opens the Option menu.

4 OK

Goes one level down in menu / confirms selection.

5 Navigation keys – ⬆️/⬇️/⬅️/➡️

Navigate in menu / modify settings / confirms selection.

6 BACK / ⬅️

Goes one level back in menu / cancels a function.

7 HOME

Opens the Option menu.

8 FOCUS

Adjusts the focus for image sharpness.

9 VOLUME

Adjusts the volume level (decreases/increases and mutes the sound).

10 FORMAT

Changes the aspect ratio.

11 SMART

Displays the Smart settings menu.

12 3D

Displays the 3D menu.

13 Colour keys

Changes on-screen options.

Browsing the user interface

Navigation for menu

- 1 Navigation can be done by navigation keys (▲, ▼, ◀, ▶, **OK** and ⏮) on the panel control of your device or on the remote control.
- 2 The chosen setting is always highlighted with a bar and the font is changed to black.

Notice

Im Folgenden wird die Navigation mit der Infrarot-Fernbedienung (IR) beschrieben. Below the navigation with the infrared remote control is described.

Navigation by keys:

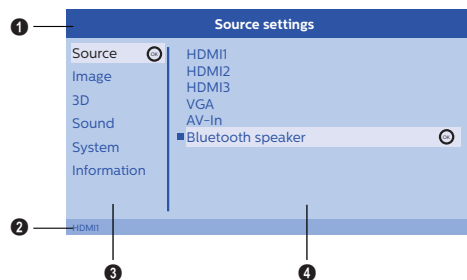
- ▲/▼ – Scrolls through the menu level up and down.
- ◀/▶ – Modify settings / confirms selection (depending on which menu)
- **OK** – Confirms selection / goes one level down.
In the final level, **OK** accepts a setting and goes back to the last sub menu (depending on which menu).
- ⏮ – Goes one level up.
The ⏮ key aborts a setting or exits the menu (depending on which menu).

Option menu and Short cut menu

Settings can be done in the Option menu or in the Short cut menu.

Option menu

- 1 Select the Option menu using the **OPTION** button.



1 Top bar

Displays the currently selected setting with detailed description.

2 Status bar

After changing the *Source* the currently selected status is displayed in the status bar.

3 Main menu

Select the desired setting with ▲/▼ and confirm with **OK**.

4 Sub menu

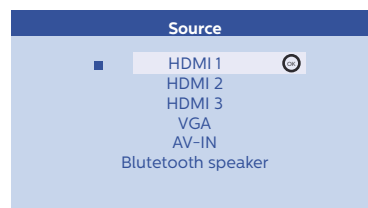
Additional settings can be done. Select the desired setting with ▲/▼/◀/▶ and confirm with **OK**.

Short cut menu

Für die Schnellauswahl stehen Ihnen folgende Kurzwahl Menüs zur Verfügung: *Source*, *Smart Settings*, *Format* and *3D*.

The Short cut window always opens in the right corner.

- 1 Select the Short cut menu using the related button (for example **SOURCE** button).



Overview of the main menu functions

Source

Displays the available sources.

Image

Displays the image setting related functions.

3D

Displays all settable 3D functions.

Sound

Displays the sound functions.

System

Displays the content of all system related functions.

Information

Displays an overview of the status and version of the device.

3 Initial operation

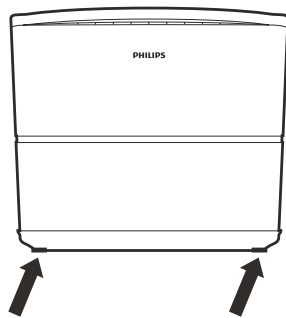
Setting up the device

Before installing your device, make sure that the projector is turned off and the power cable is unplugged from the power outlet.

CAUTION!

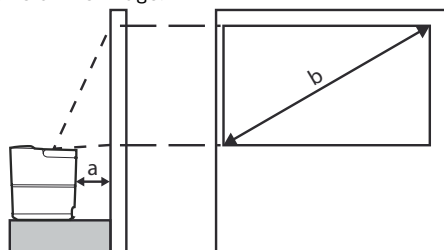
Remove protection foil before operation!
Do not place any objects in front of the lens!

- 1 You can position the device so that it stands flat on a table with the rear side in front of the projection surface. **Zusätzlich können Sie das Bild mit den Standfüßen optimal auf die Projektionsfläche ausrichten.**



The device compensates for the distortion from the slanted projection (pincushion distortion).

Check that the projection surface is appropriated to the projector. The distance between the projector and the screen determines the actual size of the image.



To change the size of the screen, just move the projector towards or away from the wall.

The size of the screen (b) is comprised between 0.1 and 0.42 meter depending on the projection distance (a), as described in the following table.

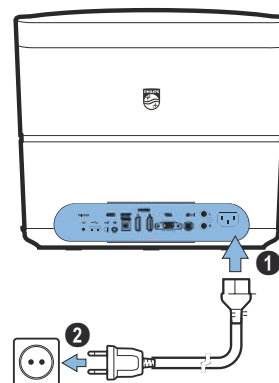
	Projection distance (a) (mm)
1270 [50]	108
3048 [120]	420

Connecting power supply

CAUTION!


Always use the **POWER** button to power off the projector. This is mandatory for the UHP lamp to respect the necessary cooling time!

- 1 Connect the power cable into the socket on the rear side of your device (❶).
- 2 Plug the power cable to outlet on the wall (❷).



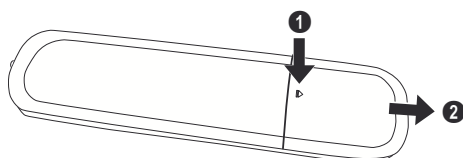
Installing or changing the batteries of the IR remote control

DANGER!

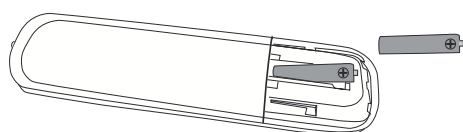
 **Risk of explosion with incorrect type of batteries!**

Only use the AAA type battery.

- 1 To access the battery, press to unlock the locking mechanism (1) and slide out the battery compartment (2).



- 2 Insert the new batteries into the battery compartment with the positive and negative poles as shown. Make sure the polarities (+ and -) are aligned correctly.



- 3 Push the battery compartment back into the remote control until the locking mechanism engages.

Notice




Normally the batteries will last for around one year. If the remote control stops working, replace the batteries. If the device is not used for a long time, take out the batteries. This will prevent leakage and possible damage to the remote control.

The used batteries should be disposed of according to the recycling regulations of your country.

Using the remote control

The remote control can be used within an angle of 22.5 degrees and up to 10 meters from the device. When using the remote control, no obstacle should be placed between the remote control and remote sensor.

CAUTION!



- The improper use of batteries can lead to overheating, explosion, risk of fire and injury. Leaking batteries can possibly damage the remote control.
- Never expose the remote control to direct sunlight.
- Avoid deforming, dismantling or charging the batteries.
- Avoid exposure to open fire and water.
- Replace empty batteries immediately.
- Remove the battery from the remote control if not in use for long periods of time.

3D glasses (optional)

Notice



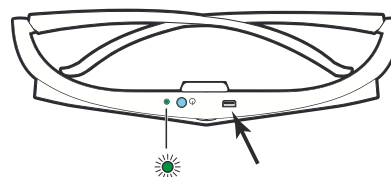
You can purchase Screeneo 3D glasses on the website Philips:

www.philips.com/screeneo

The 3D glasses are equipped with a battery, which has to be charged before first use. Charging takes several hours and is complete when the LED on the glasses is on green.

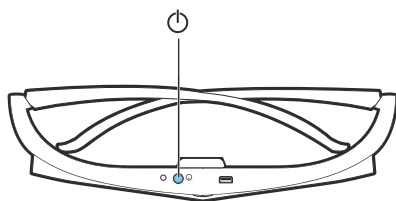
When the LED turns red, do a new charge.

- 1 Take an USB mini cable, connect the USB mini on the 3D glasses and the another plug on an USB port of the device.

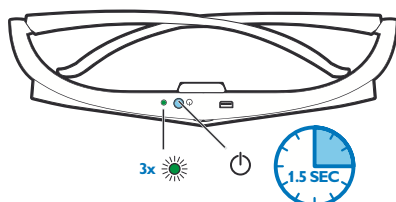


Activate 3D glasses

- 1 Press the **ON / OFF** button on the top of the glasses.



- 2 On the remote control, press the **3D** button.
- 3 The 3D menu appears, select your choice and press **OK**.
- 4 Press the **ON/OFF** button for one second and a half on the top of the glasses.




The LED flashes green three times and becomes fixed. Your glasses are ready.


Initial installation

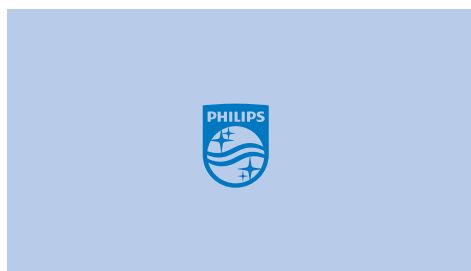
- 1 Turn the device with the rear side towards a suitable projection surface or wall. Note that the distance to the projection surface must be a minimum of 0.1 meter and a maximum of 0.42 meter (see Setting up the device, page 4). Make sure the projector is in a secure position.

Notice

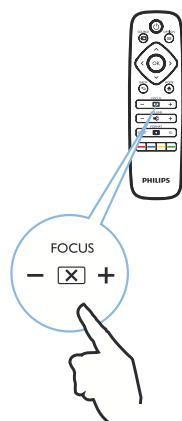
 Das Ein- und Ausschalten des Gerätes nimmt einige Zeit in Anspruch, da die UHP Lampe Betriebstemperatur erreichen muss. Die volle Helligkeit ist nach einigen Minuten erreicht.

Turning on the projector

- 1 To turn on the projector, press once the  button on the panel control of the device or on the remote control.







- 2 Use the **FOCUS** buttons (+/-) to adjust the image sharpness.

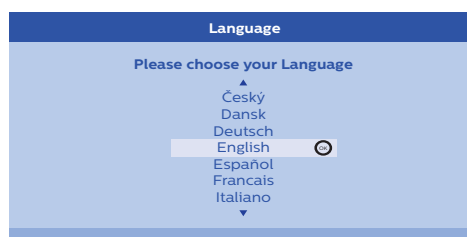


- 3 The first time you turn on the device, you need to set the following settings.

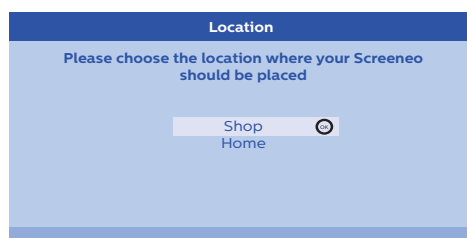
Notice

 During the first installation, use **OK** key to validate your choice and continue to the next step, and the  key to return on the previous step.

- 4 Use the keys / to select the language and confirm with **OK**.




- 5 Use the keys / to select the location and confirm with **OK**.





Home: For normal use.

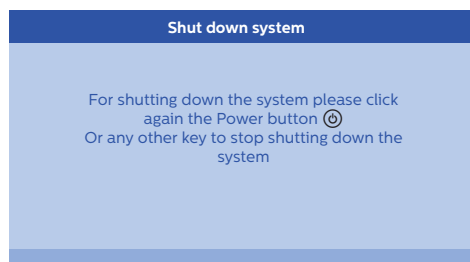
Shop: When you choose this option, the projector starts in shop mode. In this mode default settings are made and can't be changed.

Notice

 The shop mode can be activated or deactivated on the Option menu (see Shop Mode Switches the shop mode On and Off., page 27).








Turning off the projector

- 1 To turn off the projector, press twice the  button on the panel control of the device or on the remote control.
- 2 A message displays asking if you really want to turn off the device. Confirm with the  button or stop shutting down with any other key.



Setting up the language

The device has already been installed. In order to change the menu language, proceed as follows:

- 1 Press the **OPTION** button and use / to select *System*.
- 2 Confirm with **OK**.
- 3 Use / to select *Language/ Language*.
- 4 Confirm with **OK**.
- 5 Use / to select your desired language.
- 6 Confirm with **OK**.
- 7 Exit with .

4 Connect to the playback device

Notice



If no input source is found or connected a message appears: **NO SIGNAL**

Connecting to devices with HDMI output

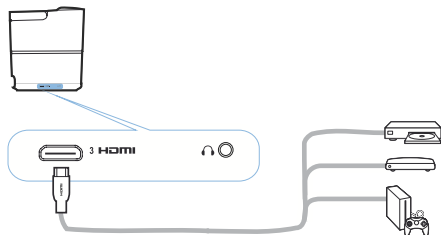
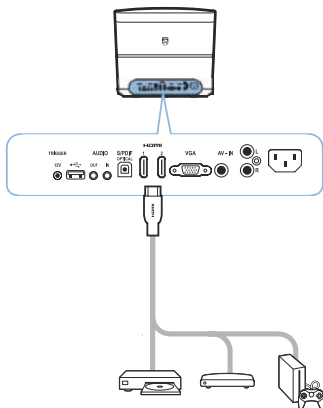
Use a HDMI cable to connect the projector to a Blu-ray player, set-top box or gaming console.

Notice



Use any of the HDMI sockets to connect the projector to a **playback device** when a 3D signal is broadcasted.

- 1 Connect the cable to one of the projector's **HDMI** sockets on the rear or side of the device.



- 2 Connect the HDMI plug to the **HDMI** socket of the playback device.
- 3 **From** the Option menu, select **HDMI 1,2 or 3** depending on the external device is connected.

Connecting to a computer (VGA)

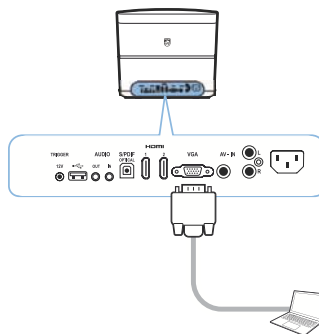
Use a VGA cable to connect the projector to a computer, laptop or other devices.

Notice



Many laptops do not activate the external video output automatically when you connect a second display such as a projector. Check your laptop's user manual to find out how to activate the external video output.

- 1 Connect the VGA cable to the projector's **VGA** socket.



- 2 Connect the VGA plug to the VGA socket of the computer.
- 3 Adjust the computer's resolution to the correct setting and switch the VGA signal to an external monitor. The following resolutions are supported:

	Resolution	Image refresh rate
VGA	640 x 480	60 Hz
SVGA	800 x 600	60 Hz
XGA	1024 x 768	60 Hz
WXGA	1280 x 768	60 Hz
HD	1280 x 720	60 Hz
FULL HD	1920 x 1080	60 Hz

Notice



Screen Resolution

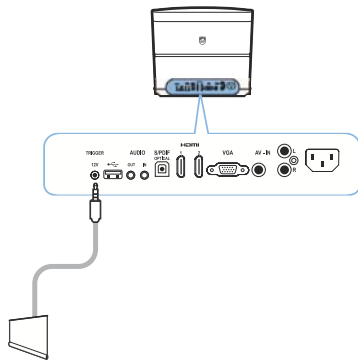
The projector supports the following resolutions: VGA/SVGA/WXGA, HD and FULL HD. For best results, please check the best resolution.

- 4 From the Option menu, select VGA.

Connecting a screen using the automatic Trigger input

Use a Trigger cable (Klinkenkabel) to connect the projector to a screen.

- 1 Connect the Trigger cable to the projector's **TRIGGER** socket.

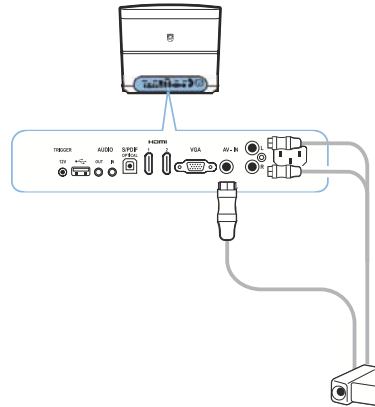


- 2 Connect the other end of the cable to the socket of the screen.
- 3 The screen automatically moves down and up when the projector is turned on or off.

Connecting using an audio/video (CVBS) adapter cable

Use an audio/video adapter cable (A/V cable) to connect a camcorder or digital camera. The jacks for these devices are yellow (video), red (audio right) and white (audio left).

- 1 Connect the A/V adapter to the projector's **AV-IN** socket.

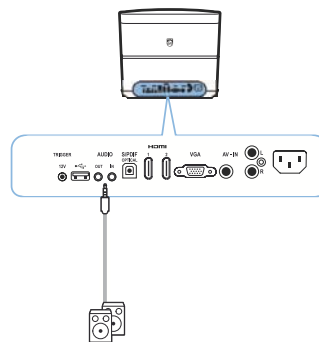


- 2 Connect the video device's audio/video sockets to the A/V cable using a conventional composite video (RCA) cable.
- 3 From the Option menu, select AV-IN.

Connecting to external devices via digital cable

Use a digital cable to connect the projector to external audio devices.

- 1 Connect the digital cable to the projector's **AUDIO** socket.



AUDIO OUT: Connection for external speakers.

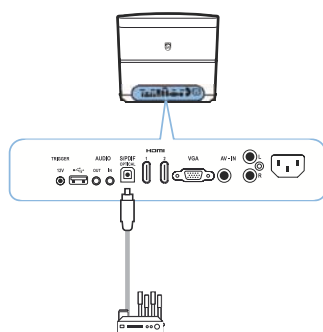
AUDIO IN: Connection for external audio devices – only with VGA input.

- 2 Connect the other end of the cable to the socket of your external audio device.

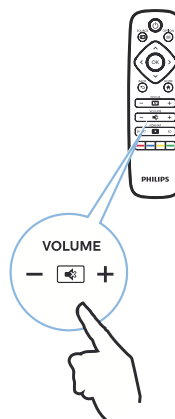
Connecting to a home cinema amplifier

Use a S/PDIF optical cable to connect the DIGITAL AUDIO output on the projector to the input of your home cinema amplifier.

For example, to show digital channels in DTS or DOLBY DIGITAL quality sound.



- 2 After connecting the headphones, increase the volume to a comfortable level using the **VOLUME** buttons (+/-).



Connecting to headphones

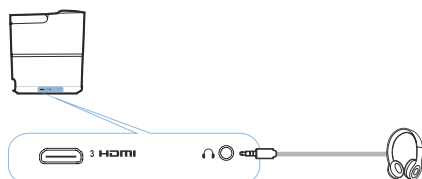
DANGER!



Danger of hearing damage!

Do not use the device over a longer time at high volume – especially when using headphones. This could lead to the risks of hearing damage. Before connecting the headphones, turn down the volume on the device.

- 1 Connect the headphones to the headphone slot on the side of the device. The device speakers deactivate automatically when the headphones are connected.




Update firmware with USB storage medium

You can find the Screeneo firmware version on the website Philips: www.philips.com/screeneo

- 1 You must download the file on USB storage medium in order to update your projector.


Notice

 Do not turn off the device during the update process!

Download from website

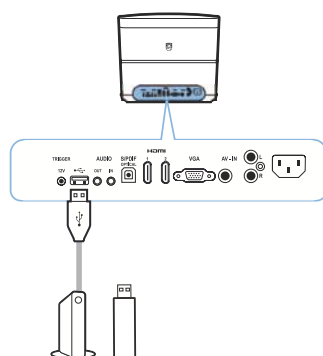
- 1 Launch an Internet browser, in the address bar, type the address: www.philips.com/screeneo
- 2 Select your country and your language.
- 3 Click on [View All 6 Products](#) to select your model: HDP2510
- 4 The Screeneo HDP2510 projector screen appears. In the new screen, research *Support* and click on *Software & drivers*.
- 5 In the Software & drivers screen select your language and click *Download file*.

Notice


 The file on the website is a zip file. It has to be unpacked and put on the root folder of the USB stick.






On the projector

- 1 Check that the device is connected to power supply.
- 2 Connect the USB storage medium to the projector's **USB** socket.





CAUTION!

 Never pull out the digital media while the device is accessing it. This could cause data to be damaged or lost.
Turn the device off in order to make sure that the device does not access the USB storage medium.

- 3 To turn on the projector, press once the  button on the panel control of the device or on the remote control.
- 4 Press the OPTION button and use / to select *System*.
- 5 Confirm with **OK**.
- 6 Use / to select *Firmware update*.
- 7 Confirm with **OK**.


A message displays asking if you want to update the new firmware. Confirm with **OK (YES)**.

If no firmware was found on the USB stick or if no USB stick is plugged in a message appears.

Möchten Sie die Firmware nicht updaten, verlassen Sie das Menü indem Sie mit / NO wählen und mit OK bestätigen.

- 8 A message displays informing you that the installation process will take some minutes and that the projector will reboot during installation. Confirm with **OK**.
- 9 The device turns off and on again. After a short time the *Language selection* screen appears. The firmware update is now completed.


Notice

 If an error occurs during the firmware update process retry the procedure or contact your dealer.





5 Bluetooth speaker

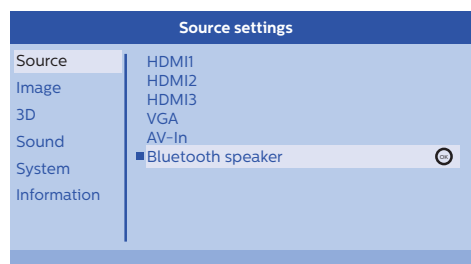
The projector can be used as Bluetooth speaker. In this mode, you can play music from smart phones, tablets or other devices.

Notice

-  In this mode it is not possible to do anything else than playing music.
The projector can only connect to, and play audio from one device at a time.




Activating Bluetooth speaker

- 1 Press the **OPTION** button and use  to select *System*.
- 2 Confirm with **OK**.
- 3 Use  to select *Bluetooth speaker*.
- 4 Confirm with **OK**.



- 5 Press the **RED** key to *Power on* the speaker.

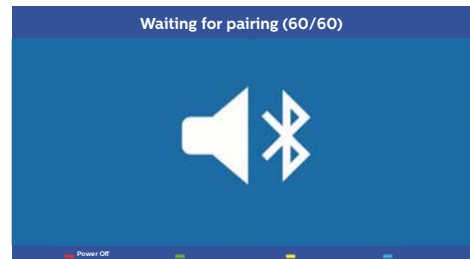
Notice

-  **Shortcut menu**
- 1 Press the **SOURCE** button and use  to select *Bluetooth speaker*.
 - 2 Confirm with **OK**.
 - 3 Press the **RED** key to *Power on* the speaker.

The projector is now visible for the near external Bluetooth devices.

Pair mode

- 1 After activating the Bluetooth connection the pair mode can be started.



- 1 Press **GREEN** key to start the pair mode. The timer counts down from 60 seconds.
- 2 Select on your external device the Screeneo projector.

Notice

- Wurde die Verbindung unterbrochen, drücken Sie auf die rote Taste, um die Verbindung wieder herzustellen.

Navigation by colour keys

Keys	Action
Red key	Starts and stops the connection.
Green key	Makes a pause.
Yellow key	Plays the previous music.
Blue key	Plays the next music

6 Media playback (optional)

Notice



Read the informations on the best settings for optimal use of your device (see Settings, page 25).

Navigation for media playback

Navigation can be done by navigation keys (▲, ▼, ◀, ▶), **OK**, ⏮, ⏭ and colour keys on the remote control.

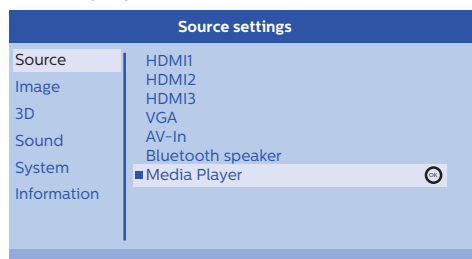
	Action
▲ or ▼	Selects folders or files in the displayed list.
▶ or OK	Goes one level down in the directory. Starts the selected media file.
◀ or ⏮	Goes one level up in the directory. Additionally you can also use the BACK button on the screen.
⏭	Exits to media player main screen.

Navigation by colour keys

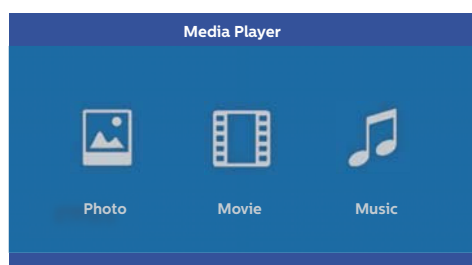
Keys	Action
Red key	<p>Music and movie player: Allows to set the repeat mode: <i>off</i>, <i>song</i>, <i>directory</i>, <i>all</i></p> <p>: Play mode deactivated (greyed). : Plays only the selected music or movie in loop. : Plays all musics or movies in the selected directory in loop. : Plays all musics or movies in the media in loop.</p> <p>Photo viewer: Allows to set the slide speed: <i>off</i>, <i>3 sec</i>, <i>5 sec</i>, <i>10 sec</i></p>
Green key	<p>Music player: Allows to set the shuffle mode: <i>on</i>, <i>off</i></p> <p>: Shuffle mode deactivated (greyed). : Shuffle mode activated.</p>
Yellow key	<p>Music player: Fast forward for music.</p>
Blue key	<p>Music player: Fast backward for music.</p>

Activating media player

- 1 Press the **OPTION** button and use $\blacktriangle/\blacktriangledown$ to select *Source*.
- 2 Confirm with **OK**.
- 3 Use $\blacktriangle/\blacktriangledown$ to select *Media player*.



- 4 Confirm with **OK**.
- 5 The media player main screen appears.



You can choose between the following media players:

Photo: For showing photos

Movie: For watching movies

Music: For listening music.

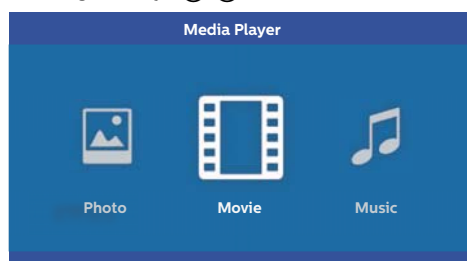
- 6 Use $\blacktriangle/\blacktriangledown$ to select the desired media player.
- 7 Confirm with **OK**.
The chosen icon is highlighted in white and it is bigger than the unselected icon.

Movie playback

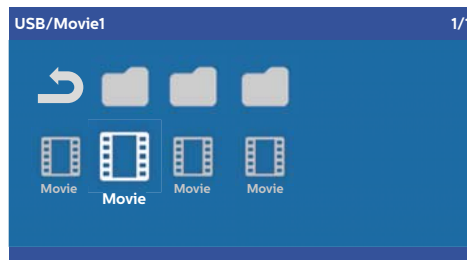
Supported file formats

Supported file formats are *.avi, *.mov, *.mp4, *.mkv, *.flv, *.ts, *.m2ts, *.3gp.

- 1 To display the movies content, select *Movie* using the keys $\blacktriangle/\blacktriangledown$.



- 2 Use $\blacktriangle/\blacktriangledown$ or $\blacktriangleleft/\blacktriangleright$ to select the movie file that you wish to play.



Notice



Only those movies that are compatible with the projector will be displayed.

- 2 Press **OK** or \blacktriangleright to start playback. The status bar is shown. If no key is pressed it disappears after three seconds.
- 3 Press \odot to end the playback and return to the overview.
- 4 When you press \odot again or \star , you will return to the media player main screen.

- 5 Press **OK** on the remote control to show the status bar again. The movie pauses.

Notice

Fast forward/backward (2x, 4x, 8x with each click) using /. Press **OK** or to return to normal speed. Press **OK** or to continue playback.

Navigation by colour keys

Keys	Action
Red key	Allows to set the repeat mode: <i>off, song, directory, all</i> : Play mode deactivated (greyed). : Plays only the selected music or movie in loop. : Plays all musics or movies in the selected directory in loop. : Plays all musics or movies in the media in loop.

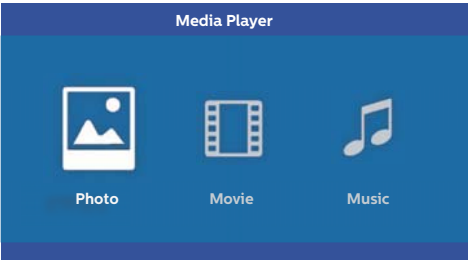
During playback you can adjust the volume using the **VOLUME** buttons (+/-). Press or repeatedly to shut off the volume completely.

Photo playback (optional)

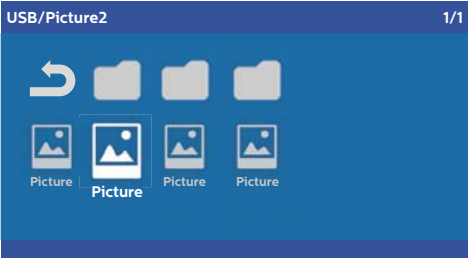
Supported file formats

Supported file formats are JPEG, BMP, PNG and GIF.

- 1 To display the photos content, select *Photo* using the keys /.



- 1 Use / to select the photo file that you wish to play.



Notice



Only those photos that are compatible with the projector will be displayed.


- 2 The list of photos are displayed on the screen as an overview. On the left side of the screen the image is shown as a pre-image.
- 3 Use / or / to select the image that you want to start the slide show with. The image is shown as a preview in the left window.
- 4 Press **OK** to start the slide show.

Notice



The slide show can be paused with **OK**.

Press / to choose an option: with each click on **OK** turn the picture 90°

- When you press , you will return to the media player main screen.

Navigation by colour keys


Keys	Action
Red key	Allows to set the slide speed: <i>off</i> , 3 sec, 5 sec, 10 sec

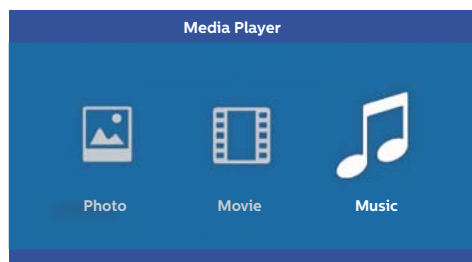
Music playback (optional)



The projector can be used as Bluetooth speaker. In this mode, you can play music from smart phones, tablets or other devices (see Bluetooth speaker, page 20).

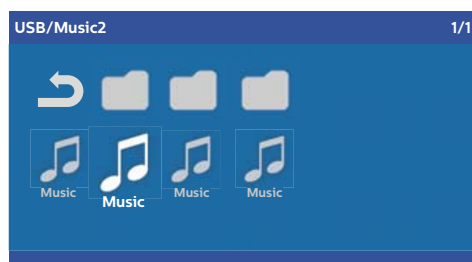
Supported file formats

Supported file formats are MP3 and WAV.


- To display the photos content, select *Music* using the keys /.



- Use / to select the music file that you wish to play.



Notice


 Only those music that are compatible with the projector will be displayed.

- Press **OK** to start the playback. The title or information is shown for two seconds.







Notice





The playback can be paused with **OK**. To stop the music press **BACK** button.

- When you press , you will return to the media player main screen.

Navigation by colour keys

Keys	Action
Red key	Allows to set the repeat mode: <i>off</i> , <i>song</i> , <i>directory</i> , <i>all</i>  : Play mode deactivated (greyed).  : Plays only the selected music or movie in loop.  : Plays all musics or movies in the selected directory in loop.  : Plays all musics or movies in the media in loop.
Green key	Allows to set the shuffle mode: on, off  : Shuffle mode deactivated (greyed).  : Shuffle mode activated.
Yellow key	Fast forward for music.
Blue key	Fast backward for music.

During playback you can adjust the volume using the **VOLUME** buttons (+/-). Press  or  repeatedly to shut off the volume completely.

7 Settings

- 1 Select the Option menu using the **OPTION** button.
- 2 Use / to select from the main settings.
- 3 Confirm with **OK**.
- 4 Modify the settings in the sub menu using /.
- 5 Confirm the settings with **OK** (if requested).
- 6 The key takes you one step up in the menu.

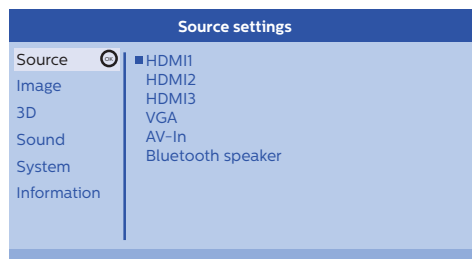
Notice



Select the Short cut menu using the related button (for example **SMART** or **FORMAT** button (see Option menu and Short cut menu, page 9).

Overview of the menu functions

Source settings



Source

The projector supports the following sources: *HDMI1,2,3, VGA, AV-IN, Bluetooth Speaker, Media Player* (optional).

Notice



Depending on which *Source* you have selected the settings in the sub menu may change.

Notice



If no source is found or connected a message appears: **NO SIGNAL**

Image settings

Image settings		
Source	Smart settings	Standard
Image	Format	Original
3D	Brightness	50
Sound	Contrast	50
System	Saturation	50
Information	Sharpness	16
	Lamp power mode	Standard
	Flow motion	On
	Wall colour correction	OFF
	Advanced colour settings	

Smart Settings

Selects predefined settings for brightness / contrast / colour saturation: *Bright, Standard, Cinema, Game, Presentation* or *User*.

Notice



The default setting depends on the choice of *Shop mode* or *Home mode* (see Initial installation, page 14).

The default settings of all related settings (except *Wall colour correction* and *White point*) are changed accordingly.

Format

Adjusts the screen format:
Original, 4:3, 16:9, Full screen.

Brightness

Adjusts the brightness: 0 – 100.

Contrast

Adjusts the contrast: 0 – 100.

Saturation

Adjusts the saturation: 0 – 100.

Sharpness

Adjusts the sharpness: 0 – 100.

Lamp power mode

Modifies the lamp power mode:
Daylight – for bright environment.

Primetime – for twilight.

Cinema – for very dark rooms and smaller screen sizes.

Flow motion

Switches the MEMC (Motion estimation/motion compensation) for motion interpolation
On and *Off*.

Wall colour correction

Colour correction of the projected image to adjust to coloured projection surface.

Advanced colour settings

Adjust detailed colour corrections.

Colour temperature – set to *Warm* to enhance hotter colours such as red, set to *Cool* to make picture bluish or set to *Natural*.

Dynamic contrast – adjusts the contrast to keep it at the best level according to the brightness of the screen.

Gamma – adjusts the gamma correction according to the type of the projected image: *Gamma 2P2/2P4/2P4, Linear, Enhanced, MaxBright, Enphoto, Photo, Gamma 1,2,3*.

Black level – set the black and white level to *Full range (RGB)*, *Limit range (YCbCr and RGB)* or to *Auto*.

Manual White Point – manually adjusts the white point calibration according to your needs: *Colour, Offset, Gain*.

Manual colours RGB CMY – manually adjusts colours in RGB CMY mode according to your needs: *Colour, Hue, Saturation, Brightness*.

3D settings

3D settings		
Source	2D/3D	2D
Image	L/R Swap	Off
3D		
Sound		
System		
Information		

3D

Sets the picture modes with 2D/3D options.

L/R Swap

Changes the screen display.

Sound settings

Sound settings		
Source	Volume	6
Image	Deep bass	On
3D	Wide sound	On
Sound	Equalizer	Normal
System	Speaker	On
Information		

Volume

Adjusts the volume: 0 – 20.

Deep bass

Switches the deep bass *On* and *Off*.

Wide sound

Switches the wide sound *On* and *Off*.

Equalizer

Selects the equalizer mode:
Normal, Pop, Rock, Jazz, Classic, Voice.

Speaker

Switches the speaker *On* and *Off*.

System settings

System settings		
Source	Key stone	0
Image	Projection mode	Front
3D	Sleep mode	Off
Sound	Screen saver	1 min
System	Auto power down	On
Information	Reset lamp timer	
	Language/language	English
	Shop mode	Off
	Firmware update	Off

Keystone

Minimizes the Keystone effect (trapezförmige Verzerrung des Bildes bei der Aufwärtssprojektion) (-32 – +32).

Projection mode

Adjusts the projection mode.

Front – normal projection; the device is located in front of the projection surface/ screen.

Rear – rear projection; the device is located behind the projection surface; the image is reflected horizontally.

Front Ceiling – the device is hanging from the ceiling in an upside-down position; the image is rotated by 180 degrees.

Rear ceiling – the device is located behind the projection surface, hanging from the ceiling in an upside-down position; the image is rotated by 180 degrees and reflected horizontally.

Sleep mode

Adjusts the time until the projector should go into sleep mode and powers off after ten seconds if user doesn't stop it. The followings options are available: *Off*, *30 min.*, *45 min.*, *60 min.*, *120 min.*

Screen saver

Adjusts the time until the system should power down the lamp if no source is connected to system. The followings options are available: *Off*, *1 min.*, *2 min.*, *5 min.*, *10 min.*, *30 min.*

Auto power down (APD)

Switches the auto power down *On* and *Off*.

Notice



The default setting is depending on the choice of *Shop mode* or *Home mode* (see Initial installation, page 14).

When the function is switched on, the projector should go into **off mode** after three hours.

If a video is displayed, the APD should take place three hours after last user action, meaning that a pop-up will appear after 2:58 for two minutes, indicating that the device will go into off mode.

Reset lamp timer

Resets the lamp timer of the system.

CAUTION!



Do not reset the lamp timer if the lamp has not been replaced as this could cause damage (see Resetting the lamp timer, page 30).

Language/language

Selects the desired language.

Shop Mode

Switches the shop mode *On* and *Off*.

In this mode, Screeneo is continuously displayed on the screen and system powers on after power is available. **System is set to shop**

mode conditions and settings are set back to default settings after a certain period of time.

Firmware update

Updates firmware (see Update firmware with USB storage medium, page 19).

Information

System settings		
Source	Source	HDMI1
Image	Smart settings	Standard
3D	3D settings	2D
Sound	Equivalent lamp hour	0 h
System	Resolution	1920 x 1080
Information	Firmware version	V1.0
	Engine version	V1.111
	MCU version	V1.11111
	Model	HDP2510

Information

Displays an overview of the status and version of the device.

Reset functions

You can select between two different reset functions:

Reset image settings

This function is resetting the current chosen *Smart settings* back to default mode.

Image settings		
Source	Smart settings	Standard
Image	Format	Original
3D	Brightness	50
Sound	Contrast	50
System	Saturation	50
Information	Sharpness	16
	Lamp power mode	Standard
	Flow motion	On
	Wall colour correction	OFF
	Advanced colour settings	

Reset current image settings

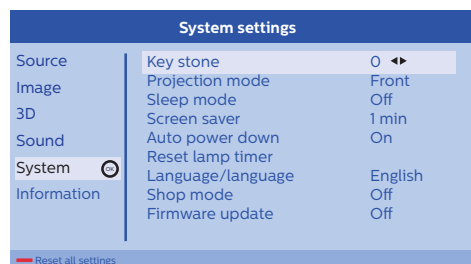
- 1 Press the OPTION button and use **▲/▼** to select *Image*.
- 2 Confirm with **OK**.
- 3 Use **▲/▼** to select *Smart settings*.
- 4 In the status bar appears *Reset current image settings*.
- 5 Use **◀/▶** to select *Standard**.
- 6 Confirm with the **RED** button.

- 7 A message displays asking if you want to reset smart mode to default. Confirm with **OK (YES)**.

Möchten Sie die Smart settings nicht resettieren, verlassen Sie das Menü indem Sie mit **◀/▶ NO** wählen und mit **OK** bestätigen.

Reset all settings

This function is resetting the complete System settings back to default mode – starting with the initial installation again.




- 1 Press the **OPTION** button and use **▲/▼** to select *System*.
- 2 Confirm with **OK**.
- 3 Use **▲/▼** to select *Keystone*.
- 4 In the status bar appears *Rest all settings*.
- 5 Confirm with the **RED** button.
- 6 A message displays asking if you want to reset all settings to default. Confirm with **OK (YES)**.
Möchten Sie die Einstellungen nicht resettieren, verlassen Sie das Menü indem Sie mit **◀/▶ NO** wählen und mit **OK** bestätigen.
- 7 The device turns off and on again. After a short time the Language selection screen appears. The resetting process is now completed.

8 Service

Cleaning

DANGER!

**Instructions for cleaning!**


Use a soft, lint-free cloth. Never use liquid or easily flammable cleansers (sprays, abrasives, polishes, alcohol, etc.). Do not allow any moisture to reach the interior of the device. Do not spray the device with any cleaning fluids.

Wipe over the surfaces gently. Be careful that you do not scratch the surfaces.

Cleaning the lens

Use a brush or lens cleaning paper for cleaning the lens of the projector.

DANGER!


**Do not use any liquid cleaning agents!**

Do not use any liquid cleaning agents for cleaning the lens, to avoid damaging the coating film on the lens.

Replacing the lamp


The UHP lamp lasts up to 10,000 hours. UHP lamps are maturing during their life time, so a loss in brightness is a normal aging process. We recommend to change the UHP lamp after 4,500 – 10,000 hours depending which lamp mode is used. You can check the elapsed lamp time in the **UI menu Information – lamp hour**. The lamp is a consumable item and can be ordered by **X-GEM service hotline or on the Philips homepage**.

CAUTION!



Do not operate the lamp beyond the rated lamp life. Excessive operation of lamps could cause a lamp to break on rare occasions.

DANGER!

**Instructions for cleaning!**

- To reduce the risk of electrical shock, always turn the projector off and disconnect the power cable before changing the lamp.
- To reduce the risk of severe burns, allow the projector to cool for at least 45 minutes before replacing the lamp.
- To reduce the risk of injuries to fingers and damage to internal components, use caution when removing lamp glass that has shattered into sharp pieces.
- To reduce the risk of injuries to fingers and/or compromising image quality by touching the lens, do not touch the empty lamp compartment when the lamp is removed.
- This lamp contains mercury. Consult your local hazardous waste regulations to dispose of this lamp in a proper manner.

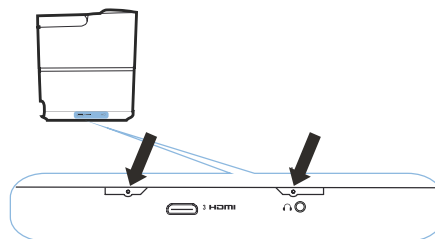
Turn off the projector and disconnect the device from the power outlet.

Notice



The lamp becomes extremely hot during operation. Allow the device to cool for approximately 45 minutes prior to removing the lamp.

- 1 Loosen the two screws that secure the lamp cover on the side of the projector until the lamp cover loosens.



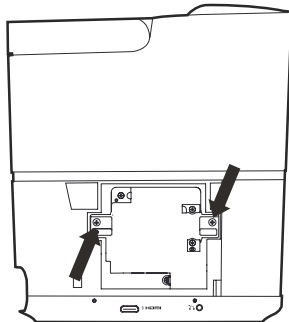
- 2 Remove the lamp cover from the projector.

CAUTION!

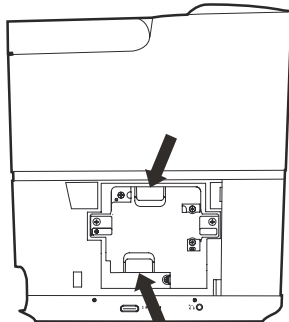


- Do not turn the power on while the lamp cover is removed.
- Do not insert your fingers between the lamp and the projector.
- The sharp edges inside the projector may cause injuries.

- 1 Loosen the two screws that secure the lamp.



- 1 Pull out the lamp an den beiden Aussparungen



CAUTION!



- Pulling it too quickly may cause the lamp to break and scatter broken glass in the projector.
- Do not place the lamp in locations where water might splash on it, children can reach it, or near flammable materials.
- Do not insert your hands into the projector after the lamp is removed.
- If you touch the optical components inside, it could cause colour unevenness and distortion of the projected images.

- 2 Gently insert the new lamp. If it doesn't fit easily, make sure it's facing the correct way.
- 3 Tighten the two screws that secure the lamp.

CAUTION!



- Loose screw may cause a bad connection, which could result malfunction.
- Do not over tighten the screws.

- 4 Replace the lamp cover on the projector.
- 5 Tighten the two screws that secure the lamp cover.

CAUTION!



- Loose screw may cause a bad connection, which could result malfunction.
- Do not over tighten the screw.






- 6 Plug the power cable to outlet.

Resetting the lamp timer

CAUTION!



- Do not reset the lamp timer if the lamp has not been replaced as this could cause damage.

- 1 To turn on the projector, press once the  button on the panel control of the device or on the remote control.
- 2 Press the **OPTION** button and use / to select *System*.
- 3 Confirm with **OK**.
- 4 Use / to select *Reset lamp timer*.
- 5 Confirm with **OK**.
- 6 A message displays asking if you want to reset the lamp timer. Confirm with **OK**. The lamp time will be reset to "0".

Troubleshooting

Power cycling

If a problem occurs that cannot be corrected with the instructions in this user manual, follow the steps given here.

- 1 Turn the device off by pressing twice the ⏻ button.
- 2 Wait at least ten seconds.
- 3 Turn the device on by pressing once the ⏻ button.
- 4 If the problem repeats, please contact our [technical customer service](#) or your retailer.

Problems	Solutions
The projector cannot be turned on	<ul style="list-style-type: none">• Disconnect and connect the power supply cable and try to turn it on again.
The projector cannot be turned off	<ul style="list-style-type: none">• Push the ⏻ button longer than ten seconds. If it does not work, disconnect the power supply cable.
No sound	<ul style="list-style-type: none">• Check that the speaker is activated (see Sound settings, page 26).• Adjust the volume using the VOLUME buttons (-/+).
No sound from the external connected device	<ul style="list-style-type: none">• Check the cables to the external device.• Check that the sound is activated on the external device.• Only the original cables from the device manufacturer may function.
No sound from external HDMI output device	<ul style="list-style-type: none">• Set the audio setting to Multichannel (Raw data) & Stereo (PCM).
No sound when you connect your computer via HDMI cable	<ul style="list-style-type: none">• Check that the sound is activated on the computer.
Video display problem when the source is a 3D signal from a Blu-ray player	<ul style="list-style-type: none">• Check that the 3D mode is activated on the projector (see 3D settings, page 26)• If the Blu-ray player is connected to the projector via HDMI, use any of the HDMI sockets.
Only the initial screen appears and not the image from the external device	<ul style="list-style-type: none">• Check if the cables are connected to the right sockets.• Check that the external device is turned on• Check if the video output of the external device is turned on.• Check that the HDMI source selected on the user interface corresponds to HDMI connector where the external device is connected.
Only the initial screen appears and not the image from the connected computer	<ul style="list-style-type: none">• Check that the VGA-output of the computer is turned on.• Check if the resolution of the computer is set to 1920*1080 (for VGA-connection) or 1080P (for HDMI-connection).

Problems	Solutions
The device turns itself off	<ul style="list-style-type: none"> • When the device is running for a long period of time, the surface becomes hot and a warning symbol appears on the projection (see Initial operation, page 11). The device automatically turns off when it gets too hot. After the device has cooled down, you can continue playback. • Check that the power cable is connected correctly. • Check the sleep mode status in the setting menu. When the sleep mode is activated, the device turn off after the programmed duration.
Bad image or colour quality when connecting with HDMI	<ul style="list-style-type: none"> • Use the supplied HDMI cable. Third-party cables may cause signal distortions.
The device cannot read the USB stick	<ul style="list-style-type: none"> • The device does not support the exFAT file system. • Format the USB key in FAT format, then use it.
The projector does not react to remote control commands	<ul style="list-style-type: none"> • Check the batteries of the remote control.

9 Appendix

Technical data

Technology / optical

Display technology Single 0.65" DarkChip3
1080p DLP® Technology by Texas Instruments
Light source Philips UHP Image life lamp
Lamp type 250 watt
UHP light source lasts over ~10000 hours
Colour wheel segment 6 segment (RGBRGB)
Contrast ratio 200 000: 1
Brightness 2000 colour lumens
Displayable colours 1.07 billions
Resolution 1920 x 1080 pixel
Throw ratio 0.21:1
Screen size 50"–120"
Screen distance from device backside
..... 10–42 cm
Keystone correction yes
Aspect ratio 4:3 and 16:9
Projection modes front, rear, front
..... ceiling, rear, ceiling
Wall colour correction yes
Focus adjustment electrical
Frame rate 720 Hz
3D technology converts 2D in 3D,
..... supports all 3D modes
Image lag time 50 ms
Image response time < 0.1 ms
Noise level 32 dB(A) daylight mode/
..... <25 dB(A) cinema mode
Supported formats/ resolutions
PAL (50Hz)/SECAM (50Hz)/NTSC (60Hz)/
..... 480i/p/576i/p/720p/1080i/p

Sound

Built-in speakers 2+subwoofer
Output power 26 W
Sound System Dolby Digital 2.1

Connection

Bluetooth stream music from smart-phone
..... or tablet to Screeneo via Bluetooth
..... aptX® Standard
Connectivity ...2x back HDMI, 1 side HDMI, VGA,
..... composite, 1x back standard USB,
..... headphone out side, Audio
..... in & out, AV in, S/PDIF optical,
..... trigger out

Power source

Power consumption ...operation: 190 to 300 W
..... power off: <0.5 W
Power supply power adapter 90 V–264 V,
..... 47–63Hz for EU and UK

Logistic data

Packaging dimensions packed (W x D x H):
..... 408 x 340 x 385 mm
..... unpacked (W x D x H):
..... 315.5 x 248.8 x 281.9 mm
Weight packed: 10.5 kg
..... unpacked: 8.3 kg
Temperature range operation: 5–35° C
Storage packed -10–60° C
Storage unpacked 0–45° C
Relative humidity operation: 15–85% RH
..... storage packed: 5–93% RH
..... storage unpacked: 15–85% RH
Standard package includes HDP2510
..... remote control
..... quick start guide
..... power cable
..... 2 x AAA battery
..... carrying bag
..... warranty card

Accessories

Following accessories are available for your device:

PVideo-(CVBS) cable..... PPA1320 / 253526178
3D GlassesPPA5610 / 253569764
For HDP1650 an HDP1650TV models:
RF remote control PPA5650 / 253588194

Lamp

All data are provided for reference purposes only. **X-GEM SAS** reserves the right to make any changes without prior notice.



The CE marking certifies that the product meets the main requirements of the European Parliament and Council directives 1999/5/CE, 2006/95/CE, 2004/108/CE and 2009/125/CE on information technology equipment, regarding safety and health of users and regarding electromagnetic interference.

The declaration of compliance can be consulted on the site www.screeneo.philips.com.

Preservation of the environment as part of a sustainable development plan is an essential concern of X-GEM SAS. The desire of X-GEM SAS is to operate systems observing the environment. The desire of X-GEM SAS is to operate systems observing the environment and consequently it has decided to integrate environmental performances in the life cycle of this products, from manufacturing to commissioning use and elimination.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference, and
- 2 This device must accept any interference received, including interference that may cause undesired operation.

Notice: This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

RF Exposure: A distance of 20 centimetres shall be maintained between the antenna and users, and the transmitter may not be co-located with any other transmitter or antenna.

Canada Regulatory Compliance: This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:

- 1 This device may not cause interference and
- 2 This device must accept any interference, including interference that may cause undesired operation of the device.

IC Radiation Exposure Statement: This device complies with IC radiation exposure limits set forth for an uncontrolled environment.

Avis d'Industrie Canada:

Cet appareil est conforme à la norme CNR-210 des règlements d'Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes:

- 1) Cet appareil ne doit pas provoquer d'interférences et
- 2) Cet appareil doit accepter toutes les interférences, y compris celles pouvant entraîner son dysfonctionnement.

Avis d'Industrie Canada sur l'exposition aux

Rayonnements: Cet appareil est conforme aux limites d'exposition aux rayonnements d'Industrie Canada pour un environnement non contrôlé.



Packaging: The presence of the logo (green dot) means that a contribution is paid to an approved national organisation to improve package recovery and recycling infrastructures. Please respect the sorting rules set up locally for this kind of waste.

Batteries: If your product contains batteries, they must be disposed of at an appropriate collection point.



Product: The crossed-out waste bin stuck on the product means that the product belongs to the family of electrical and electronic equipment. In this respect, the European regulations ask you to dispose of it selectively;

- At sales points in the event of the purchase of similar equipment
- At the collection points made available to you locally (drop-off centre, selective collection, etc.).

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.

The paper and cardboard packaging used can be disposed of as recyclable paper. Have the plastic wrapping recycled or dispose of it in the non-recyclable waste, depending on the requirements in your country.

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