

PHILIPS

NeoPix 100

Home Projector

User Manual



Register your product and get support at
www.philips.com/support

Table of contents

Introduction.....	3	5 Play/view media from storage devices.....	13
Dear customer	3	Connect a storage device.....	13
About this user manual	3	Play videos.....	13
What's in the box	3	Play audios	13
Customer service center	3	View images	14
1 General safety information.....	4	6 Change projector settings	14
Setting up the product	4	7 Maintenance.....	16
Repairs	4	Cleaning.....	16
Power supply	5	Update software	16
2 Overview	5	8 Troubleshooting	17
Top view	5	9 Appendixes.....	19
Front view.....	6	Technical data	19
Side view.....	6	CE statement	20
Rear view	6	FCC statement.....	20
Bottom view	6	Canada regulatory compliance	20
Remote control.....	7	Other notice.....	20
3 Initial setup.....	7		
Install the projector.....	7		
Connect to power supply	8		
Prepare the remote control	9		
Power on and set up the projector.....	9		
Select the language.....	10		
4 Connect to other devices.....	10		
Connect to a playback device through HDMI™	10		
Connect to a dongle.....	11		
Connect to a playback device through AV	11		
Connect to a computer through VGA.....	11		
Connect to wired speakers or headphones.....	12		

Introduction

Dear customer

Thank you for purchasing this projector.

We hope you enjoy this product and the many functions it offers!

About this user manual

The quick start guide supplied with this product allows you to start using this product 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 this product (see **General safety information, page 4**). The manufacturer accepts no liability if these instructions are not followed.

Symbols used

Notice

i This symbol indicates tips that will help you use this product more effectively and easily.

DANGER!



Danger of personal injury!

This symbol gives warning of danger of personal injury. Physical injury or damage can result from improper handling.

CAUTION!

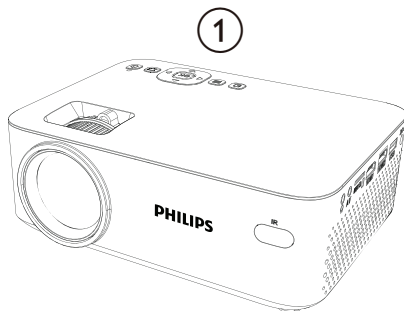


Damage to the product or loss of data!

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

What's in the box

- ① NeoPix 100 projector
- ② AAA batteries
- ③ Quick Start Guide with Warranty Card
- ④ Remote control
- ⑤ Power plug adapters
- ⑥ AC adapter



Customer service center

The Support page, warranty card, and user manuals can be found here:

Web: www.philips.com/support

Support Contacts:

International Phone: +41 215 391 665

Please ask your provider for international call costs!

Mail: philips.projector.eu@screeneo.com

Access our FAQ websites:

<https://support.philipsprojection.com>

<https://community.philipsprojection.com>

1 General safety information

Take note of all warning and safety notes indicated. Do not make any changes or settings that are not described in this user manual. Incorrect operation, and improper handling can lead to physical injury, damage to the product or loss of data.

Setting up the product

This product is for indoor use only. Place the product securely on a stable, flat surface. To help avoid possible injuries to persons or damage to the product itself, position all cables in such a way that no one will trip over them.

Do not operate the product in damp rooms. Never touch the mains cable or the mains connection with wet hands.

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

The product must have sufficient ventilation and must not be covered. Do not put the product in closed cabinets, boxes, or other enclosures when in use.

Protect the product from direct sunlight, heat, intense temperature fluctuations and moisture. Do not place the product in the vicinity of heaters or air conditioners. Observe the information on temperature listed in the technical data (see **Technical data, page 19**).

Prolonged operation of the product causes the surface to become hot. In case of overheating, the product automatically switches to standby mode.

Do not allow liquids to leak into the product. Turn off the product and disconnect it from the mains supply if liquids or foreign substances leaked into the product. Have the product inspected by an authorised service center.

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

If the product gets too hot or emits smoke, shut it down immediately and unplug the power cable. Have your product checked by an authorised service center. Keep the product away from open flames (e.g. candles).

⚠ DANGER!



Risk of explosion with incorrect type of batteries!

There is a risk of explosion if the wrong battery type is used.

Do not expose the batteries (battery pack or embedded batteries) to excessive heat such as sunshine, or open fire.

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

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

Proceed as follows to avoid any moisture buildup:

- 1 Seal the product 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 product out of the plastic bag.

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

Do not expose the product to extreme vibrations. This may damage the internal components.

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

For your own safety, do not use the product during thunderstorms with lightning.

Repairs

Do not repair the product yourself. Improper maintenance can result in injuries or damage to the product. The product must be repaired by an authorised service center.

Please find the details of authorised service centers on the warranty card supplied with this product.

Do not remove the type label from this product, as this will void the warranty.

Power supply

Use only a power adapter which is certified for this product (see **Technical data, page 19**). Check whether the mains voltage of the power supply matches the mains voltage available at the setup location. This product complies with the voltage type specified on the product.

The power outlet shall be installed near the product and shall be easily accessible.

CAUTION!



Always use the button to turn the projector off.

Turn off the product and unplug from the power outlet before cleaning the surface (see **Cleaning, page 16**). Use a soft, lint-free cloth. Never use liquid, gaseous or easily flammable cleaners (sprays, abrasives, polishes, alcohol). Do not allow any moisture to reach the interior of the product.

DANGER!

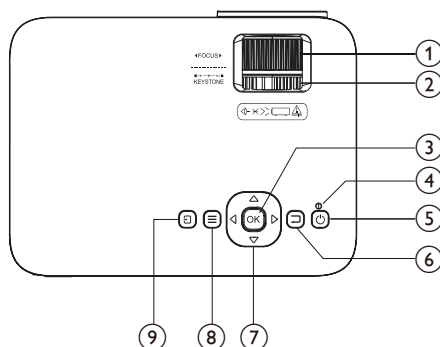


Risk of eye irritation!

This product is equipped with a high power LED (Light Emitting Diode), which emits very bright light. Do not look directly into the projector lens during operation. This could cause eye irritation or damage.

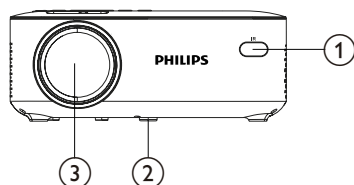
2 Overview

Top view



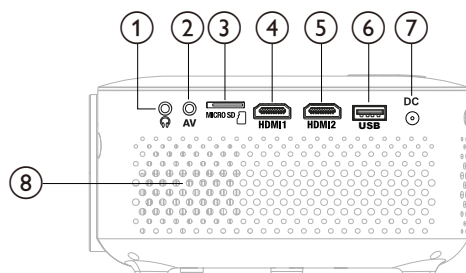
- ① **Focus adjustment knob**
Adjust image sharpness.
- ② **Keystone adjustment knob**
Adjust image shape.
- ③ **OK**
Confirm a selection or change the value for the current setting.
- ④ **Power LED**
 - When the projector is on, the LED lights up in white.
 - When the projector is in standby mode, the LED lights up in red.
- ⑤
Switch the projector on or to standby mode.
- ⑥
Return to the previous screen or exit the current screen.
- ⑦ **Navigation buttons (Up, Down, Left, Right)**
 - Navigate items on the screen.
 - Press to change the value for the current setting.
- ⑧
Open or close the settings menu.
- ⑨
Display all the input sources and allow you to switch to a different input source.

Front view



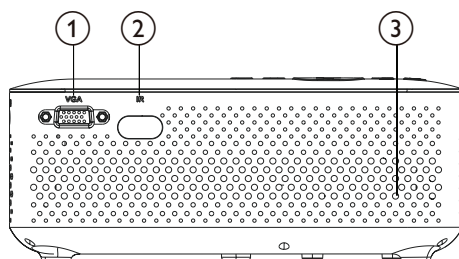
- ① Front IR sensor
- ② Angle adjustment knob
Turn the knob to adjust screen height.
- ③ Projection lens

Side view



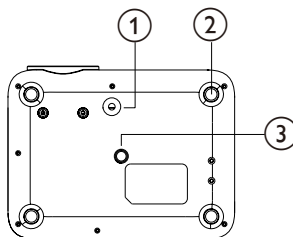
- ① 3.5 mm audio output; connect to external speakers or headphones.
- ② **AV**
3.5 mm audio/video input; connect to the analogue audio jacks and/or composite video jack on a playback device.
- ③ **MICRO SD**
Connect to a microSD card for media playback.
- ④ **HDMI1**
Connect to an HDMI™ output port on a playback device.
- ⑤ **HDMI2**
Connect to an HDMI™ output port on a playback device.
- ⑥ **USB**
Connect to a USB storage device/dongle.
- ⑦ **DC**
Connect to the supplied AC adapter.
- ⑧ **Air vent**

Rear view



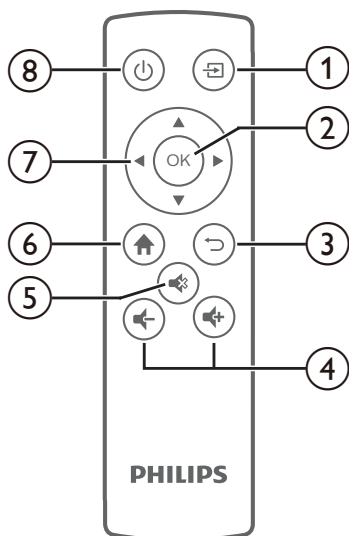
- ① **VGA**
Connect to the VGA port on a computer.
- ② **Rear IR sensor**
- ③ **Speaker**

Bottom view



- ① **Angle adjustment knob**
Turn the knob to adjust screen height.
- ② **Rubber foot**
- ③ **Screw hole for ceiling mount**

Remote control



- ① Display all the input sources and allow you to switch to a different input source.
- ② **OK** Confirm a selection or change the value for the current setting.
- ③ Return to the previous screen or exit the current screen.
- ④ Increase or decrease the volume.
- ⑤ Mute or unmute the speaker.
- ⑥ Access the home screen.
- ⑦ **Navigation buttons (Up, Down, Left, Right)**
 - Navigate items on the screen.
 - Press to change the value for the current setting.
- ⑧ Switch the projector on or to standby mode.

3 Initial setup

Notice

i Make sure all devices are disconnected from their power supplies before establishing or changing any connections.

Install the projector

You can install the projector in four different ways. Follow the guidelines below to correctly install the projector.

Notice

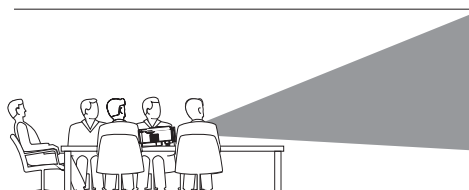
i For overhead mounting on ceiling, purchase a projector mount recommended by an installation professional and follow the instructions that come with the mount.

Before mounting on the ceiling, make sure the ceiling can support the weight of the projector and mounting kit.

For ceiling installation, this product must be securely attached to the ceiling in accordance with the installation instructions. An improper ceiling installation may result in accident, injury or damage.

Front

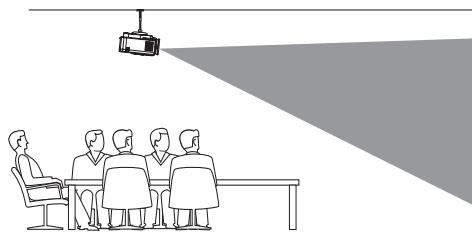
- 1 Place the projector on a flat surface such as a table in front of the projection surface. This is the most common way to position the projector for quick setup and portability.



- 2 If the projection direction is incorrect, select from the home screen to open the settings menu, go to *Projection mode* and press or the **OK** button to select *Front*.

Front Ceiling

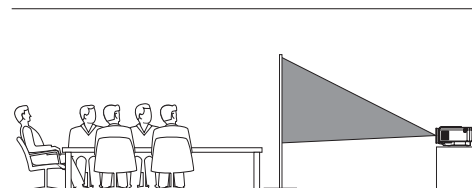
- 1 Mount the projector on the ceiling with upside up in front of the projection screen. A projector mount is required to mount the projector on ceiling.



- 2 If the projection direction is incorrect, select  from the home screen to open the settings menu, go to *Projection mode* and press   or the **OK** button to select *F/Ceiling*.

Rear

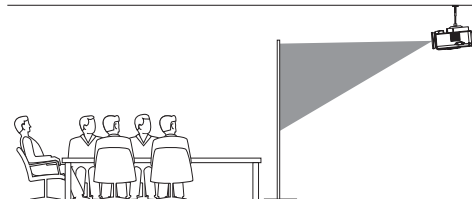
- 1 Place the projector on a table behind the projection screen. A special rear projection screen is required.



- 2 If the projection direction is incorrect, select  from the home screen to open the settings menu, go to *Projection mode* and press   or the **OK** button to select *Rear*.

Rear Ceiling

- 1 Mount the projector on ceiling with upside up behind the projection screen. To mount the projector on ceiling behind the screen, a projector mount and a special rear projection screen are required.



- 2 If the projection direction is incorrect, select  from the home screen to open the settings menu, go to *Projection mode* and press   or the **OK** button to select *Rear/Ceiling*.

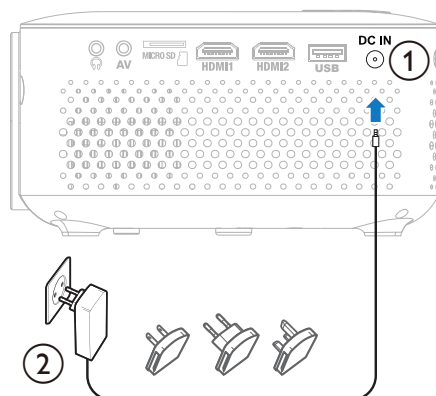
Connect to power supply

CAUTION!



Always use the  button to turn the projector on and off.

- 1 Connect the AC adapter to the DC power jack on the side of the projector.
- 2 Attach a suitable power plug adapter to the AC adapter and plug the AC adapter into an electrical socket.
 - The power LED on the projector lights up in red.



Prepare the remote control

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.

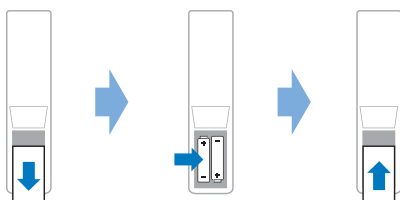
Avoid deforming, dismantling or charging the batteries.

Avoid exposure to open fire and water.

Replace empty batteries immediately.

Remove the batteries from the remote control if not in use for long periods of time.

- 1 Open the battery compartment.
- 2 Insert the supplied batteries (type AAA) with correct polarity (+/-) indicated.
- 3 Close the battery compartment.



- When using a remote control with infrared signals, point the remote control at the IR sensor on the projector, and make sure there is no obstacle between the remote control and the IR sensor.

Power on and set up the projector

Power on/off the projector

- To turn on the projector, press  on the projector/remote control. The power LED on the projector turns from red to white.
- To turn off the projector and put it into standby mode, press and hold  on the projector/remote control for 2 seconds or press this button twice. The power LED on the projector turns from white to red.
- To fully shut down the projector, disconnect the AC adapter from the electrical socket.

Image focus adjustment

To adjust the image focus (sharpness), turn the focus adjustment knob above the projection lens.

Tip: If you change the projection distance later, you'll need to adjust the image focus again.

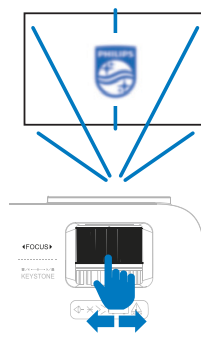
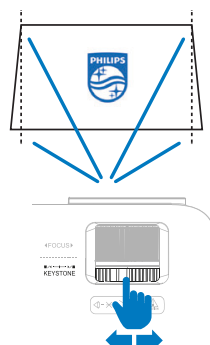


Image shape adjustment

To adjust the image shape, turn the keystone adjustment knob above the projection lens.



Screen size adjustment

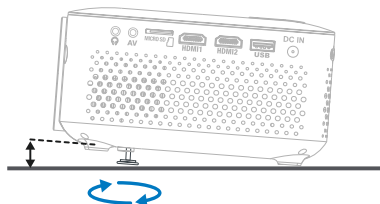
The projection screen size (or size of images) is determined by the distance between the lens of the projector and the projection surface.

This projector has a recommended projection distance of 200 cm (60"), and thus creates a maximum screen size of 65" (165 cm). The minimum distance from the projection surface is 80 cm (24").

Screen height adjustment

To adjust the screen height when placing the projector on a flat surface, turn the angle adjustment knob located at the bottom of the projector.

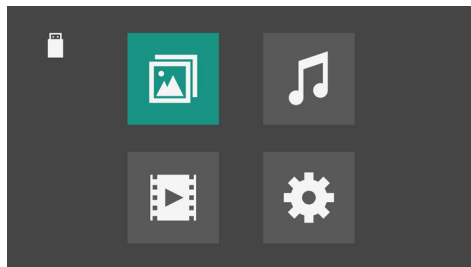
Tip: After adjusting the screen height, use the keystone adjustment knob to make the screen rectangular again.



Select the language

When you turn on the projector for the first time or after it was reset to its factory default settings, the projector system will start and prompt you to select the language.

Press the navigation buttons to select your preferred display language and press the **OK** button to confirm. The home screen then appears.



After selecting the language, you can start using the projector or continue to make other adjustments.

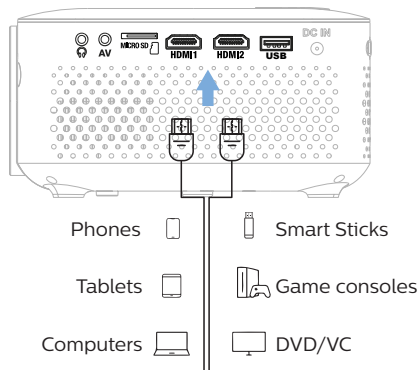
Tip: To change the language later, select  from the home screen to open the settings menu, go to *OSD Language* and press the **OK** button.

4 Connect to other devices

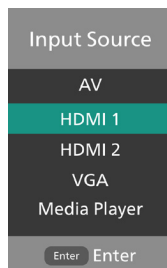
Connect to a playback device through HDMI™

You can connect a playback device (e.g. a Blu-ray player, gaming console, camcorder, digital camera or PC) to the projector through HDMI™ connection. With this connection, images are shown on the projection screen, and audio is played on the projector.

- 1 Using an HDMI™ cable, connect the **HDMI1** or **HDMI2** port on the projector to an HDMI™ output port on a playback device.



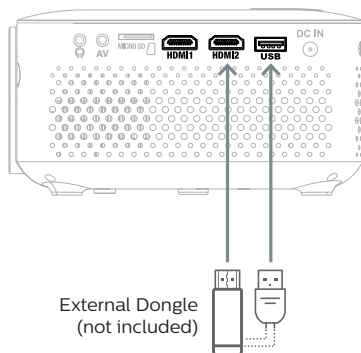
- 2 The projector should automatically switch to the correct input source. If not, press  on the remote control to bring up the input source list, and then select **HDMI 1** or **HDMI 2**.



Connect to a dongle

You can connect a dongle (e.g. Amazon Fire Stick, Roku Stick and Chromecast) to the projector to easily watch videos over the internet. With this connection, images are shown on the projection screen, and audio is played on the projector.

- 1 Connect the dongle to the projector's **HDMI1** or **HDMI2** port directly or using an HDMI™ cable.
- 2 Connect the dongle to the projector's **USB** port using a USB cable. **Note:** The maximum current supplied by this port is 5V1A.

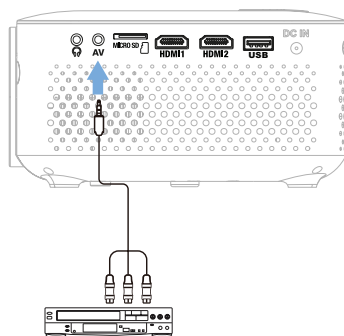


- 3 The projector should automatically switch to the correct input source. If not, press  on the remote control to bring up the input source list, and then select **HDMI 1** or **HDMI 2**.

Connect to a playback device through AV

You can connect a playback device (e.g. a DVD player, gaming console, camcorder or digital camera) to the projector through AV connection. With this connection, images are shown on the projection screen, and audio is played on the projector.

- 1 Using an RCA cable with 3.5 mm plug (not included in the box), connect the **AV** jack (3.5 mm) on the projector to the analogue audio output jacks (red and white) and/or composite video output jack on a playback device.



- 2 The projector should automatically switch to the correct input source. If not, press  on the remote control to bring up the input source list, and then select **AV**.

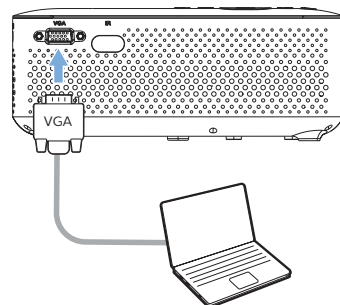
Connect to a computer through VGA

You can connect a computer (e.g. a desktop or laptop) to the projector through VGA connection. With this connection, images are shown on the projection screen.

Notice

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

- 1 Using a VGA cable (not included in the box), connect the **VGA** port on the projector to the VGA output port on a computer.



- 2 Adjust your computer's screen 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

- The projector should automatically switch to the correct input source. If not, press  on the remote control to bring up the input source list, and then select VGA.

Connect to wired speakers or headphones

You can connect wired speakers or headphones to the projector. With this connection, audio from the projector is played through the external speakers or headphones.

- The internal speakers of the projector are deactivated automatically when external speakers or headphones are connected to the projector.

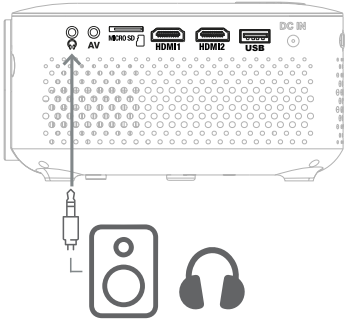
DANGER!



Danger of hearing damage!

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

- Using a 3.5 mm audio cable, connect the  jack on the projector to the analogue audio input (3.5 mm jack, or red and white jacks) on external speakers. Or connect the  jack on the projector to headphones.



- After connecting the speakers or headphones, press  on the remote control to adjust the volume to the desired level.

5 Play/view media from storage devices

The projector has an integrated media player. Using this media player, you can play/view videos, audios, or images stored on a USB storage device or microSD card.

Supported file formats

The integrated media player supports the following file formats.

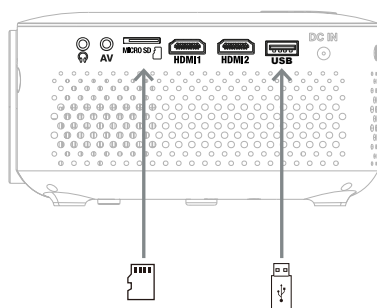
- Video formats: MP4, RMVB, AVI, RM, MKV
- Audio formats: MP3, WMA, OGG, AAC, FLAC, APE, WAV
- Image formats: BMP, PNG, JPEG

Connect a storage device

Notice

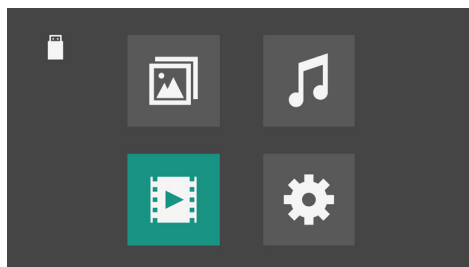
i The projector supports a USB storage device that is formatted for FAT16 or FAT32 file system.

- 1 Make sure your storage device contains media files supported by the integrated media player.
- 2 Connect your USB storage device to the **USB** port on the projector.
Or insert a microSD card into the **MICRO SD** slot on the projector.



Play videos

- 1 From the projector's home screen, select the movie icon in the lower-left corner.



- 2 If you have connected both a USB storage device and a microSD card to the projector, press **◀▶** to select your USB storage device or microSD card.
- 3 Press the **OK** button to open the storage device. **Note:** Only supported video files are displayed on the screen. All folders and files are ordered alphabetically by name.
- 4 Press the navigation buttons to select a video file or a folder. To open a selected folder, press the **OK** button. To return to the parent folder, select **Upfolder** on the screen or press **↶**. To exit the current folder and storage device, select **Return** on the screen. If you select a video file and wait more than 3 seconds, the projector will begin playing a preview of the video from the beginning while displaying the video information.
- 5 Press the **OK** button to start playing the selected video file.
- 6 While a video file is playing, you can press the **OK** button to bring up the control bar at the bottom of the screen. The control bar will automatically disappear in 10 seconds. To instantly hide the control bar, press **▼** or **↶**.
While the control bar is visible, press **◀▶** to select an option and then press **OK** to confirm the action or change the value. To close the dialog box of an option, press **↶**.
- 7 To stop playing a video file and return to the list of files in the current folder, press **↶** on the remote control.

Play audios

You can play audios in a similar way as you play videos. The major differences are:

- In Step 1, you need to select the music icon

in the upper-right corner.

- When an audio is playing, you will always see the changing sound wave on the screen.
- While an audio is playing, you can press the **OK** button on the remote control to bring up the control bar at the bottom of the screen. The control bar will automatically disappear in 15 seconds. To instantly hide the control bar, press ▼ or ↶.

View images

- 1 From the projector's home screen, select the photo icon in the upper-left corner.
- 2 If you have connected both a USB storage device and a microSD card to the projector, press ◀▶ to select your USB storage device or microSD card.
- 3 Press the **OK** button to open the storage device. **Note:** Only supported image files are displayed on the screen. All folders and files are ordered alphabetically by name.
- 4 Press the navigation buttons to select an image file or a folder. To open a selected folder, press the **OK** button. To return to the parent folder, select **Upfolder** on the screen or press ↶. To exit the current folder and storage device, select **Return** on the screen. If you select an image file and wait more than 3 seconds, the projector will show a preview of the image and display the image information.
- 5 Press the **OK** button to start the slide show of all supported images in the current folder from the selected image.
- 6 During the slide show, press a navigation button to pause the slide show and rotate the current image. Press ◀▶ to rotate it clockwise by 270° or 90°. Press ▲/▼ to rotate it by 180°.

While viewing an image, you can press the **OK** button on the remote control to bring up the control bar at the bottom of the screen. The control bar will automatically disappear in 15 seconds. To instantly hide the control bar, press ▼ or ↶.

While the control bar is visible, press ◀▶ to select an option and then press **OK** to confirm the action or change the value. To close the dialog box of an option, press ↶.

- 7 To stop the slide show and return to the list of files in the current folder, press ↶ on the remote control.

6 Change projector settings

This section helps you change the projector settings using the settings menu.

- 1 Select ⚙ from the home screen or press ≡ on the projector to open the settings menu.
- 2 Press ▲/▼ to select a setting category and press the **OK** button or ▶ to select the first setting of the category. Press ▲/▼ to select a different setting in the category. Press ↶ to exit the category.
- 3 Press the **OK** button or ◀▶ to change a non-numerical setting. Press the **OK** button or ◀▶, and then ◀▶ to change a numerical setting. The change takes effect immediately.
- 4 Press ↶ one or more times, press ⬆ or wait 15 seconds to exit the settings menu.

Picture settings

You can view and change the following picture settings.

- *Picture Mode:* Select predefined color settings for picture or video display. Select *User* to customize the following settings:
 - *Contrast:* Adjust the contrast of the projected image.
 - *Brightness:* Adjust the overall brightness of the projected image.
 - *Color:* Adjust the color saturation of the projected image.
 - *Tint:* Adjust the tint of the projected image.
 - *Sharpness:* Adjust the clarity of detail in the projected image.
- *Color Temperature:* You can set the projector to use the following color temperature types.
 - *Cool:* Make the picture more bluish.
 - *Warm:* Make the picture more reddish.
 - *Medium:* Use a moderate color temperature.
- *Noise Reduction:* Select a noise reduction level (*Off, Low, Middle, High*) to remove image noise from a video signal to achieve image clearness. The default value is *Middle*.

Sound settings

You can view and change the following sound settings.

- *Sound Mode*: You can set the projector to use the following sound modes, depending on your environment, audio type or preferences.
 - *Standard*: Optimize the bass and treble levels for general audio.
 - *Movie*: Optimize the bass and treble levels for movies.
 - *Music*: Optimize the bass and treble levels for music.
 - *Sports*: Optimize the bass and treble levels for sports.
 - *User*: Define your own bass and treble levels.
- *Treble*: Set the treble level. This setting is enabled only when the sound mode is *User*.
- *Bass*: Set the bass level. This setting is enabled only when the sound mode is *User*.
- *Balance*: Adjust the stereo balance to compensate for volume differences between the left and right speakers at the listening position. The default value is *0*.
- *Auto Volume*: Turn this on to reduce sudden changes in volume. The default value is *Off*.

the factory default settings. After the factory reset, the projector will turn off.

- *Software Update(USB)*: Update the projector's software offline. For more details, see **Update software offline, page 16**.
- *Info*: View the model and software version of this product.

Timer settings

You can view and change the following timer settings.

- *Sleep Timer*: Select a period of time after which the projector turns off automatically. The default value is *Off*.
- *Auto Sleep*: Select a period of time so that the projector turns off automatically after the selected period of inactivity. The default value is *Off*.

Other settings

You can view and change the following additional settings.

- *OSD Language*: Select your preferred display language.
- *Aspect Ratio*: Select one of the available aspect ratios. The default value is *16:9*. This setting is enabled only when you are playing a video.
- *Projection Mode*: Adjust the projection to the correct direction based on how the projector is installed.
- *Reset*: Restore the projector's settings to

the factory default settings. After the factory reset, the projector will turn off.

- *Software Update(USB)*: Update the projector's software offline. For more details, see **Update software offline, page 16**.
- *Info*: View the model and software version of this product.

7 Maintenance

Cleaning

DANGER!



Follow the following instructions when cleaning the projector:

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 projector. Do not spray the projector with any cleaning fluids.

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

Cleaning the lens

Use a soft 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.

Update software

The latest software for the projector can be found on www.philips.com/support for you to get the best features and support from the projector.

CAUTION!



Do not turn off the projector or remove the USB flash drive during a software update.

Update software offline

- 1 Visit www.philips.com/support, find your product (model number: **NPX100**, open its support page and locate "**Software & drivers**". Then check the latest software version there.
- 2 Select  from the home screen to open the settings menu, go to *Info* and press ◀▶ or the **OK** button. Find the current software version on the screen. Proceed to the next step if the latest software version is greater than the current software version.
- 3 From the support page you opened in step 1, download the software installation file to a USB flash drive. Unzip the downloaded file and save the resulting file in the root directory of the USB flash drive.
- 4 Connect the USB flash drive to the projector.
- 5 Select *Software Update(USB)* from the settings menu.
- 6 Follow the on-screen instructions to complete the update.

8 Troubleshooting

Power cycling

If a problem occurs and you cannot resolve it using the instructions in this user manual, try the following steps to resolve the problem.

- 1 Turn the projector off by pressing $\odot$ twice.
- 2 Wait at least 10 seconds.
- 3 Turn the projector on by pressing $\odot$.
- 4 If the problem persists, contact one of our customer service centers or your dealer.

Problem	Solution
The projector cannot be turned on.	• Disconnect and reconnect the power cable, and try to turn the projector on again.
The projector cannot be turned off.	• Press and hold $\odot$ longer than ten seconds. If this does not work, disconnect the power cable.
No image from the external HDMI™ device.	1. Check if you have switched the input source to <i>HDMI 1</i> or <i>HDMI 2</i>. 2. Disconnect the HDMI™ cable or switch off the HDMI™ device. 3. Wait three seconds. 4. Reconnect the HDMI™ cable or switch on the HDMI™ device again.
No sound from the external connected device.	• 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.	• On the HDMI™ output device, set the audio setting to Multichannel (Raw data) & Stereo (PCM).
No sound when you connect your computer using an HDMI™ cable.	• Check that the sound is activated on the computer.
Only the home menu appears and not the image from the external device.	• Check if the cables are connected to the correct sockets. • Check that the external device is turned on. • Check if the video output of the external device is turned on.
Only the home menu appears and not the image from the connected computer.	• Check that the HDMI™ output of the computer is turned on. • Check if the resolution of the computer is set to 1920*1080.
The projector turns itself off.	• When the projector is running for a long period of time, the surface becomes hot. • Check that the power cable is connected correctly.
The projector cannot read the USB storage device.	• The projector does not support the exFAT file system. • Format the USB storage device in FAT32 or NTFS format, then use it.

Problem	Solution
The projector does not react to remote control commands.	• Check the batteries of the remote control.
The temperature of the projector's surface is warm.	• For this projector it is normal to generate moderate heat during operation.
The projector does not work after I connect it to a laptop.	• Check that the HDMI™ cable is plugged in correctly. • Make sure that the laptop has been switched to projector display.
Black / White Pixels	An LCD display may contain a small number of pixels that do not function normally (also known as “dead pixels” or “black pixels”). Your display has been inspected and is in compliance with the manufacturer's specifications, meaning that any pixel defects do not affect the operation or use of your display. Without prejudice to generality of the foregoing, dead pixels or black pixels not exceeding 5 dots meet the factory specifications and are not considered a defect under this warranty. Concerning dust: Dust may appear during the use of a projector. Without prejudice to generality of the foregoing, dust spots not exceeding 3 dots meet the factory specifications and are not considered a defect under this warranty. Please clean the lens with a gentle specific glass tissue. You can also push dry air into the product by the side holes in order to clean the optical engine inside.

9 Appendixes

Technical data

Technology/optical

Display technology	LCD
Light source	LED
Resolution	800 x 480 pixels
Resolution supported	1920 x 1080 pixels
LED lifetime	over 30,000 hours
Contrast ratio	3000:1
Aspect ratio	16:9
Throw ratio.....	1.49:1
Screen size (diagonal).....	20" to 65"
Screen distance... 80 cm to 200 cm / 24" to 60"	
Projection modes	4
Focus adjustment.....	manual
Keystone correction	manual

Sound

Built-in speaker.....	2 x 3 W
Noise level.....	43 dB

Connection

HDMI™ in.....	x2
VGA.....	x1
AV in	x1
USB-A (5 V/1 A out + external drive).....	x1
MicroSD.....	x1
3.5 mm audio out	x1

Power source

Power consumption	operating: 42 W
.....	standby: 0.5 W
AC adapter.....	
..... Input: AC 100-240 V, 50/60 Hz, 1.0 A (Max)	
..... Output: DC 12.0 V, 3.5 A, 42.0 W	

Multimedia player

Supported video formats: MP4, RMVB, AVI, RM, MKV

Supported audio formats: MP3, WMA, OGG, AAC, FLAC, APE, WAV

Supported photos formats: BMP, PNG, JPEG

Dimensions and weight

Unpacked (W x D x H).....	205 x 158 x 78 mm
Packed (W x D x H)	256 x 242 x 90 mm
Net weight.....	880 g / 1.94 lb
Gross weight.....	1.72 kg / 3.79 lb

Temperature requirements

Operating temperature.....	5 °C - 35 °C
Storage temperature	< 60 °C

Package contents

1. NeoPix 100 projector
2. Remote control
3. AC adapter
4. Power plug adapters
5. AAA batteries for remote control
6. Quick Start Guide with Warranty Card

Model

NPX100
EAN (INT): 7640186960458
EAN (APAC): 7640186960465
UPC: 667619992944

CE statement

- The product shall only be connected to a USB interface of version USB 2.0 or higher.
- Adapter shall be installed near the equipment and shall be easily accessible.
- The operating temperature of the EUT can't exceed 35°C and shouldn't be lower than 5°C.
- The plug is considered as disconnect device of adapter.

Hereby, Screeneo Innovation SA declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU.



The Declaration of Compliance can be consulted on the site www.philips.com.

FCC statement

15.19 Labeling requirements.

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.

15.21 Information to the user.

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

15.105 Information to user.

This equipment 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 equipment 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 equipment does cause harmful interference

to radio or television reception, which can be determined by turning the equipment 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 equipment and receiver.
- Connect the equipment 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.

FCC ID: 2ASRT-NPX100

Canada regulatory compliance

This device complies with Industry Canada CAN ICES-3 (B)/NMB-3(B)

RSS-Gen & RSS-247 statement: This device complies with Industry Canada RSS standard(s).

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.

Other notice

Preservation of the environment as part of a sustainable development plan is an essential concern of Screeneo Innovation SA. The desire of Screeneo Innovation SA is to operate systems respecting the environment and consequently it has decided to integrate environmental performances in the life cycle of these products, from manufacturing to commissioning use and elimination.

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



Product: The crossed-out waste bin symbol 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 center , selective collection, etc.).

In this way you can participate in the reuse 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.

Trademarks: The mentioned references in this manual are trademarks of the respective companies. The lack of the trademarks ® and ™ does not justify the assumption that these dedicated terminologies are free trademarks. Other product names used herein are for identification purposes only and may be trademarks of their respective owners. Screeneo Innovation SA disclaims any and all rights in those marks.

Neither Screeneo Innovation SA nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of accident, misuse, or abuse of this product or unauthorised modifications, repairs, or alterations to this product, or failure to strictly comply with Screeneo Innovation SA operating and maintenance instructions.

Screeneo Innovation SA shall not be liable for any damages or problems arising from the use of any options or any consumable materials other than those designated as original Screeneo Innovation SA/PHILIPS products or Screeneo Innovation SA/PHILIPS approved products.

Screeneo Innovation SA shall not be held liable for any damage resulting from electromagnetic interference that occurs from the use of any interface cables other than those designated as Screeneo Innovation SA/PHILIPS products.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Screeneo Innovation SA. The information contained herein is designed only for use with this product. Screeneo

Innovation SA is not responsible for any use of this information as applied to other devices.

This user manual is a document that does not represent a contract.

Errors, printing errors and changes are reserved.



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



Screeneo Innovation SA

Route de Lully 5c - 1131 Tolochenaz - Switzerland

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. and are used under license. Screeneo Innovation SA is the warrantor in relation to the product with which this booklet was packaged.