PHILIPS

*Pico*Pix Micro

Mini projector

PPX320

User Manual

Table of contents

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

> ⓘ **Troubleshooting**
> This symbol indicates tips that will help you in using 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.
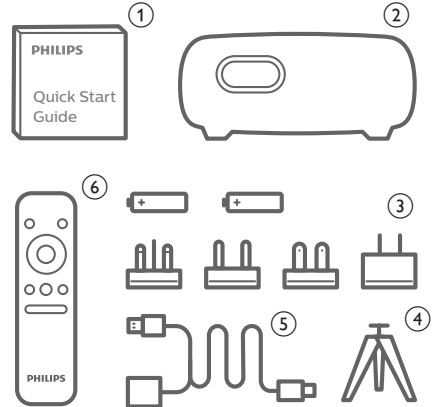

CAUTION!

> ① **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 Quick Start Guide
② PicoPix Micro projector (PPX320)
③ 3x power plug adapter (EU, UK, US) and 1x power adapter
④ Tripod
⑤ USB cable
⑥ Remote control with 2 AAA batteries

Product highlights

Connecting to devices with HDMI output

With an HDMI cable, you can connect the projector to a playback device (**see Connecting to devices through HDMI, page 8**).

Wireless Screen Mirroring (Android and iOS)

With the Wireless Screen Mirroring function, you can share the screen of your smartphone without a cable. In order to allow screen mirroring, your smartphone must support the screen mirroring feature. This projector works with Miracast-compatible Android phones and iPhones with iOS 7/8/9/10 and 11.

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.

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 17**).

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 centre.

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 centre. Keep the product away from open flames (e.g. candles).

The product has built-in battery. Do not dissemble and modify. The built-in battery should be replaced by qualified service staff only.

Do not try to replace the built-in battery yourself. Incorrect handling of the battery or using the wrong type of battery can cause damage to the product or cause injury.

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 centre.

Please find the details of authorised service centres 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 17**). 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.

The capacity of the built-in battery diminishes with time. If the product functions only with AC power supply, the built-in battery is defective. Contact an authorised service centre to replace the built-in battery.

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 14**). 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.
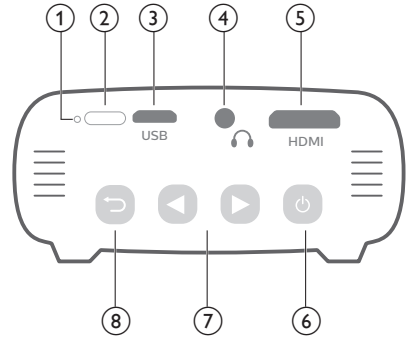

DANGER!

⚠ **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.

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2 Overview

Rear view

① **Reset key**

Reset the projector to the factory default settings (use a small pin to press the reset key).

② **IR sensor**

③ **Micro USB port**

Connect to the power supply.

④ 🎧

3.5 mm audio output; connect to external speakers or headphones.

⑤ **Mini HDMI port**

Connect to the HDMI output on a playback device.

⑥ ⏻

- Press and hold three seconds to switch the projector on or off.
- Confirm a selection or entry.
- Pause and resume play during media play.
- When the projector is switched on, the LED turns blue. When the projector is switched off, the LED turns off.
- When charging the projector, the LED turns red regardless of the projector switching on or off.

⑦ ◀/▶

- Navigate menu options.
- Press and hold to increase or decrease volume.

⑧ ↩

Return to a previous menu screen.

Side view

① **Focus adjustment knob**
Adjust image sharpness.

Remote control

PHILIPS

① ✿

Access the settings menu.

② **OK**

Confirm a selection or entry.

③ 🏠

Access the home menu.

④ 🔇

Mute or restore volume.

⑤ 🔊/🔉

Increase or decrease volume.

⑥ ↺

Return to a previous menu screen.

⑦ **Navigation buttons**
- Navigate menu options.
- Press ◀/▶ to change a selection.

⑧ ⏻
- Press and hold for one second to switch the projector on or off.
- When the projector is switched on, the LED turns blue. When the projector is switched off, the LED turns off.
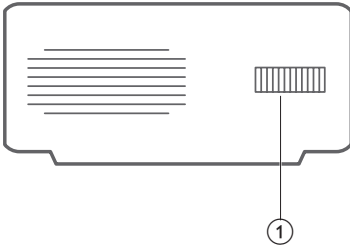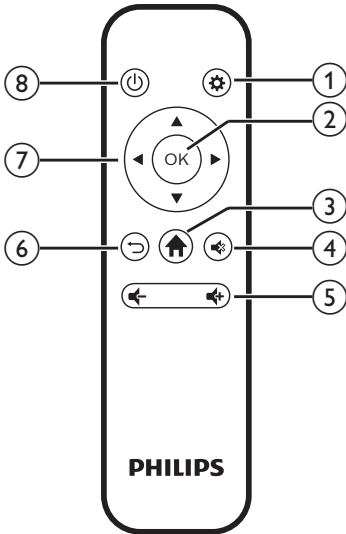- When charging the projector, the LED turns red regardless of the projector switching on or off.

Access home menu

The home menu provides easy access to system setup and other useful features in the projector.

1 Turn on the projector. The home menu is displayed.

- Or when the projector is in operation, press 🏠 to display the home menu.

2 Press the **Navigation buttons** and **OK** to select the following.
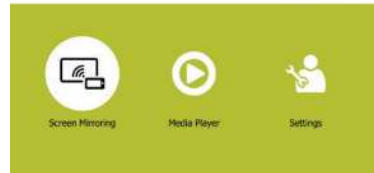
- *Screen Mirroring*: Access screen mirroring function for iPhone and Android device.
- *Media Player*: Access media players for photo, music and video.
- *Settings & Preferences*: Access menus to change settings on the projector.

3 Initial operation

Placement

Place the projector on a flat surface in front of the projection surface.

Connecting power supply

The projector can be operated by either external power or built-in battery.

CAUTION!
⚠ Always use the ⏻ button to turn the projector on and off.

Operation by external power

- Using the supplied USB cable, connect the **USB** port on the projector to the supplied power adapter. Then connect the power adapter to the wall outlet.

  If needed, select an appropriate power plug adapter (EU, UK, US) for connecting to the wall outlet.
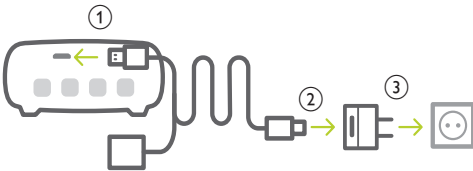
- Or, simply using the supplied USB cable, connect the **USB** port on the projector to a USB port on your computer or a power bank.

Operation by built-in battery

The projector can be also operated on built-in battery for portability.

Charging projector

Charge the projector for 1.5 hours before first use.

Charge the projector when the low battery icon appears in the center of of the projection screen.

- To charge the projector, connect the projector to an external power supply as described in the section of "Operation by external power".

- When charging, the LED on the projector turns red. When fully charged, the red LED turns off.

Notice

ℹ The capacity of the built-in battery diminishes with time. If the projector functions only with external power supply, the built-in battery is defective. Contact an authorised service centre to replace the built-in battery.

Preparing 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.

Notice

ℹ When using the remote control, point the remote control at the IR sensor located on the back of the projector, and make sure there is no obstacle between the remote control and the IR sensor.

Power on and setup

1 Press and hold ⏻ on the projector for 3 seconds (or ⏻ on the remote control for 1 second) to switch the projector on or off.

- When the projector is switched on, the LED on the projector turns blue if the projector is not being charged.
- When charging, the LED on the projector turns red regardless of the projector switching on and off.

Changing screen size

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

- The projection image size is to up to 80".
- The projection distance is 80 cm to 200 cm.

Image sharpness adjustment

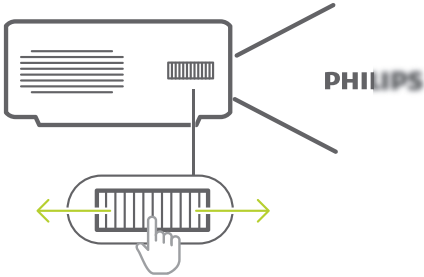To adjust image focus, turn the focus adjustment knob on the side of the projector.

Image shape adjustment

You can correct keystone images to be rectangular.

1   Press ✿ on the remote control (or on the home menu, select *Settings & Preferences*) to access the settings menu, then navigate to *Keystone Correction.*

2   Use the **navigation buttons** and **OK** to change:
- *Off:* Disable image shape adjustment.
- *Auto:* Enable automatic adjustment of image shape.
- *Manual:* Manually adjust image shape.

Using tripod

The projector comes with a tripod which allows more choices for placing the projector.

Locate the tripod socket on the bottom of the projector, then mount and secure the projector on the tripod.

4 Connect to playback devices

Notice

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

Connecting to devices through HDMI

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 **HDMI** connector (mini HDMI port) on the projector to the HDMI output on the playback device.
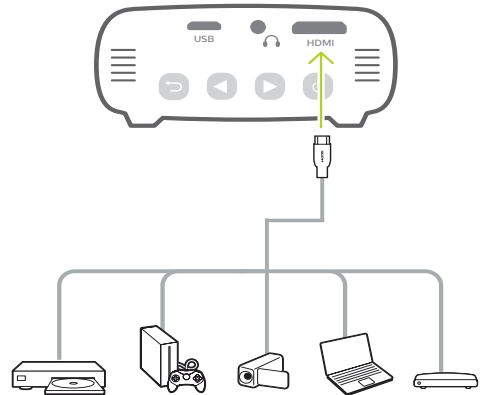
Connecting to external speakers or headphones

Connect external speakers or headphones to the projector. With this connection, audio from the projector is played through the external speakers or headphones.

| 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. |

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

   • The speakers of the projector are deactivated automatically when the external speakers or headphones are connected to the projector.
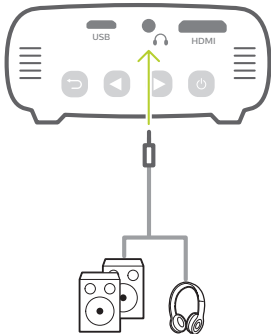
2   When connecting to the headphones, use the volume control on the remote control to adjust the volume to a comfortable level.

5 Wireless projection with Android devices

What you need

•   An Android device which supports Miracast (or Screen Mirroring). The feature name can be also known as Screencast, Screen Sharing, WiFi Direct, and Wireless Display, etc. Not all Android devices have this feature. Refer to your device user manual for details.

•   Turn on WiFi on your Android device.

1   Turn on the projector. The home menu is displayed.

   • Or when the projector is in operation, press 🏠 to display the home menu.

2   Use the **Navigation buttons** to select *Screen Mirroring*, and then press **OK**.
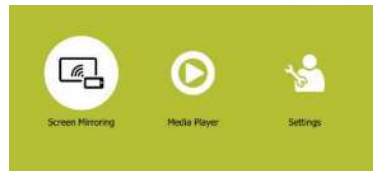
3   The window for selecting iPhone and Android device is displayed. Select *Android* to enter the screen mirroring interface.
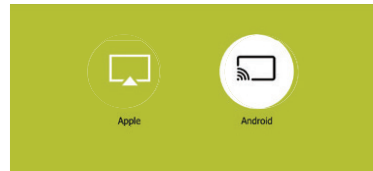
4   In the screen mirroring interface, the projector name is displayed. You are prompted to connect your Android device to the projector..

5   On your Android device, access the screen mirroring settings, and select the 'Wireless Display" option. Then select the projector name under 'Wireless Display' to connect your Android device to the projector.

6   After successful connection, the screen content of your Android device is casted to the projection surface.

6 Wireless projection with iOS devices

What you need

- Turn on WiFi on your iPhone.
1 Turn on the projector. The home menu is displayed.
   - Or when the projector is in operation, press ♠ to display the home menu.
2 Use the **Navigation buttons** to select *Screen Mirroring*, and then press **OK**.

3 The window for selecting iPhone and Android device is displayed. Select *Apple* to enter the screen mirroring interface.

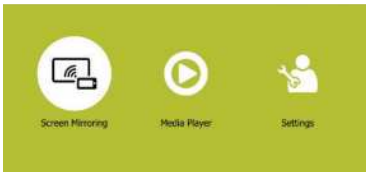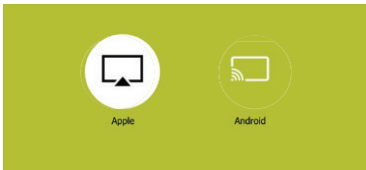4 In the screen mirroring interface, you are prompted to connect your iPhone to the projector. The projector name to be shown in the WiFi network and the password are given in the message.
5 On your iPhone, access the WiFi settings and select the WiFi network of the projector to connect your iPhone to the network.
6 On your iPhone, access 'Control Center' by sliding the screen up, and select the 'Screen Mirroring' option. Then select the projector name under 'Screen Mirroring' to connect your iPhone to the projector.
7 After successful connection, the screen content of your iPhone is casted to the projection surface.

Notice

To enable your iPhone to access the Internet when your iPhone is wirelessly projected, connect the projector to the Internet (**see Connect to WiFi network, page 11**).

Trademark notice

Apple, AirPlay and the AirPlay logo are trademarks or registered trademarks of Apple, Inc. in the US and other countries.

Google, Android and the Android logo are trademarks or registered trademarks of Google, Inc. in the US and other countries.

7 Connect to WiFi network

Connect the projector to a WiFi network router, and enjoy:

- Enable your smartphone (iPhone and Android device) to connect to the Internet via the hotspot created by the projector, particularly for iPhone when it is wirelessly projected through the projector.
- Update software (**see Update software through Internet, page 14**).

What you need

- A wireless network router.
- For best wireless performance and coverage, use an 802.11n router ("Wi-Fi 4").

1 Turn on the hotspot of the projector by accessing the hotspot setting: press ✿ to access the setting menu, then navigate to the hotspot setting interface.

- The hotspot name and password (for iPhone use only) are displayed on the screen.

2 On your smartphone, access the WiFi settings, then select the hotspot created by the projector to connect your smartphone to the projector.

- If the projector is connected to your smartphone, the chain icon appears on the top right of the projection screen.

3 On the projector, go to the hotspot setting interface as described in Step 1, then press **OK** to select *Configure* on the bottom of the setting interface to access the WiFi network setup.

- An IP address "192.168. xx. xx" ("x" indicates a digit) and QR code are displayed on the projection screen.

4 On your smartphone, input the IP address in the URL field of the browser to access the WiFi network setup.

- Or you may scan the QR code using the camera app on your smartphone to access the WiFi network setup.

5 The WiFi network setup interface is displayed on your smartphone. Select and access "WiFi Settings", then select "Scan" to display the WiFi networks available. Then select your WiFi network and input the password to connect the projector to the WiFi network.

- The projector is now connected to the Internet.

Enable smartphone to access Internet

When the projector is connected to the WiFi network (Internet), you are provided an alternative to access the Internet on your smartphone.

1 Connect your iPhone to the projector, as described in this chapter.

2 Open the Internet browser on your smartphone to access the Internet.

8 Media playback

This section helps you use the projector to play media from a wide range of sources.

Notice

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

Movie playback

1   Connect a USB storage device to the USB port of the supplied USB cable. Then connect the supplied USB cable to the **USB** port on the projector and to the wall outlet (or to a computer/power bank). See the figure below.

   • Recommend to use an external power when connecting a USB device.
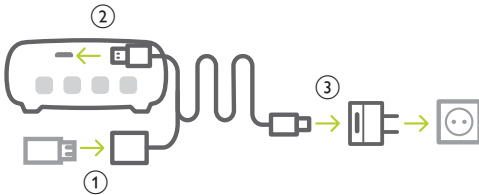
2   Press 🏠 to display the home menu on the projection screen.

3   Press the **Navigation buttons** and **OK** to select *Media Player*. The media player screen is displayed.
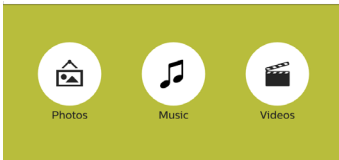
   • *Music*: access and play audio files only.
   • *Videos*: access and play video files only.
   • *Photos*: access and play photo files only.

4   Select *Videos* to activate video media player and access video files.

   • If video media player is selected, only the playable video files can be displayed.

5   Select a video file and press **OK** to play video.

   • You can also press briefly ⏻ on the projector to confirm selection.
   • During playback, you can press and hold ◀/▶ on the projector to adjust volume.
   • To pause or resume play, press **OK** (or ⏻ on the projector).

Music playback

1   Repeat step 1 to 3 in 'Movie playback', and the media player screen is displayed.

   • *Music*: access and play audio files only.
   • *Videos*: access and play video files only.
   • *Photos*: access and play photo files only.

2   Select *Music* to activate music media player and access music files.

   • If music media player is selected, only the playable music files can be displayed.

3   Select a music file and press **OK** to play music.

   • You can also press briefly ⏻ on the projector to confirm selection.
   • During playback, you can press and hold ◀/▶ on the projector to adjust volume.
   • To pause or resume play, press **OK** (or ⏻ on the projector).
   • During music playback, press ◀/▶ to skip backward or forward within a song.

Photo playback

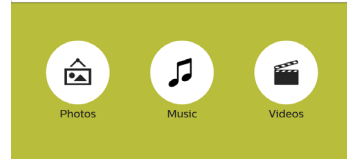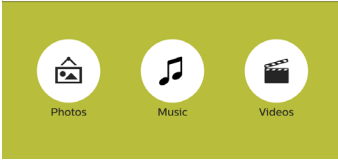1 Repeat step 1 to 3 in 'Movie playback', and the media player screen is displayed.

- *Music*: access and play audio files only.
- *Videos*: access and play video files only.
- *Photos*: access and play photo files only.

2 Select *Photos* to activate photo media player and access photo files.

- If photo media player is selected, only the playable photo files can be displayed.

3 Select a photo file and press **OK** to start a slideshow play.

- To change a slideshow interval, press ✿ on the remote control (or on the home menu, select *Settings & Preferences*) to access the settings menu, then navigate to *Slideshow Duration.*

9 Change settings

This section helps you change the settings of the projector.

1 Press ✿ on the remote control, or select *Settings & Preferences* on the home menu to access the settings menu.

2 Use the **Navigation buttons** and **OK** to change the following settings. You may also use ⏻ on the projector to confirm selection.

- *Language:* Select a language for on-screen menu.
- *Slideshow Duration:* Select a slideshow interval.
- *ECO Mode:* Activate or deactivate energy saving mode. If *Auto* is selected, energy saving mode is activated when low battery power occurs.
- *Projection Direction:* Select a direction of projection corresponding to particular placement of the projector.
- Access the WiFi settings to connect the projector to s WiFi network (Internet).
- *Keystone Correction:* Correct keystone images to be rectangular. If *Manual* is selected, press ◀/▶ to adjust image shape manually.
- *Firmware Upgrade:* Upgrade system software via USB or online.
- *Firmware Version:* Display the current software version of the projector.

10 Service

Built-in battery care

The capacity of the built-in battery diminishes with time. You can prolong the life of the battery if you observe the following points:

- Without a power supply, the projector operates on the built-in battery. When the battery does not have sufficient power, the projector turns off. In this case connect the projector to the power supply.
- Charge the battery regularly. Don't store the projector with a completely discharged battery.
- If the projector is not used for several weeks, discharge the battery a little by using the projector before storing it.
- Keep the projector and the battery away from sources of heat.
- If the projector cannot be charged after connecting to the power supply, use a small pin to press the reset key (a small hole) located near the **USB** port of the projector.

Note about deep discharge of battery

When the built-in battery is in deep discharge, it may take longer for the actual charging process to start. In this case, charge the projector for at least five hours before using it.

DANGER!
⚠ **Risk of explosion with incorrect type of batteries!**
Do not try to replace the built-in battery yourself.

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

Before you update the software of the projector, check the current software version:

- Press ✿, and then navigate to *Firmware Version*.

CAUTION!
ⓘ Do not turn off the projector or remove the USB flash drive during the update.

Update software through Internet

1. Connect the projector to the Internet (**see Connect to WiFi network, page 11**).
2. Press ✿, and then navigate to select *Firmware Upgrade - Online*.
   - If an upgrade media is detected, you are prompted to start or cancel the update.
3. Follow the on-screen instructions to complete the update.

Update software through USB

1. Check the latest software version on www.philips.com/support. Find your product (model number: PPX320), and locate 'Software and drivers'.
2. Download the software into the USB flash drive. Unzip the downloaded software file and save it in the root directory of the USB flash drive.
   - After unzipping, make sure the folder is named "PicoPix" and two files of "config.txt" and "update.img" are included in the folder.

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3 Connect the USB storage device to the USB port of the supplied USB cable. Then connect the supplied USB cable to the **USB** port on the projector and to the wall outlet (or to a computer/power bank).

   • Recommend to use an external power when connecting a USB device.

4 Turn on the projector with external power. Press ✿, and then navigate to select *Firmware Upgrade – via USB*.

5 Follow the on-screen instructions to complete the update.

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 projector off using ⏻.

2 Wait at least ten seconds.

3 Turn the projector on again using ⏻.

4 If the problem persists, please contact our technical service centre or your dealer.

Problems	Solutions
The projector cannot be turned on.	• Disconnect and reconnect the power cable, and try to turn the projector on again. • Low battery power. Connect the projector to an external power supply.
The projector cannot be turned off.	• Press and hold ⏻ longer than ten seconds. If this does not work, disconnect the power cable.
No image from the external HDMI device.	• Disconnect the HDMI cable or switch off the HDMI device. • Wait **three** seconds. • 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 via 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 if the resolution of the computer is set to 1080P.
The projector turns itself off.	• Low battery power. • When the projector is running for a long period of time, the surface becomes hot. • Check that the power cable is connected correctly.

Problems	Solutions
The projector cannot read the USB stick.	• When connecting a USB device to the projector using the supplied USB cable, use an external power supply to power the projector, not built-in battery. • The projector does not support the exFAT file system. • Format the USB stick in FAT format, then use it.
The projector does not react to remote control commands.	• Check the batteries of the remote control.
Measures to take if Screen Mirroring does not work anymore after a firmware update of an Android or iOS device?	• We recommend checking regularly for new firmware of your projector (**see Update software, page 14**).
Screen mirroring does not work with the available Android device.	• In order to allow screen mirroring, your device must support Miracast. Not all Android devices support this function. The function name can be also known as Screencast, Screen Sharing, WiFi Direct, Wireless Display, etc.. • Please refer to the user manual of your Android device to check if this function is supported and how it can be enabled.
When I view videos, the sound or the picture is sometimes distorted or the sound is not synchronized to the picture.	• The available WiFi bandwidth is insufficient for sending the video flawlessly from the smartphone to the projector. This can happen if one or more WiFi networks operate in the same frequency range nearby. Certain IoT devices (e.g. ZigBee enabled devices) also operate in this frequency range. • Your smartphone is not fast enough to compress the screen data and send it simultaneously over WiFi. • Your smartphone may maintain parallel connections to your home network and the projector. This will reduce the available bandwidth. Disabling temporarily the connection to your home network may help.
The temperature of the projector's surface is warm.	• For this projector it is normal to generate moderate heat during operation.
What to do if the projector does not work when connecting to a notebook PC?	• Check that the HDMI cable is plugged in correctly. • Make sure that the notebook PC has been switched to projector display.

11 Appendix

Technical data

Technology/optical

Display technology ....Ti DMD DLP

Light source ....OSRAM LED

Resolution ....940 x 540 pixel

Resolution supported .... 1920 x 1080 pixel

LED lifetime ....last over 20.000 hours

Contrast ratio 500:1

Aspect ratio 16:9

Throw ratio 1.2:1

Brightness ....up to 150 Color Lumens with REC. 709 and DCI P3

Recommended screen size (diagonal).................
.... 10" to 80"

Recommended screen distance.............................
....80 cm – 240 cm

Keystone correction ....auto
Focus adjustment..manual
Digital zoom .... yes
Integrated media player...................................... yes

Sound

Internal Speaker.. 2 W (max)

Connection

Wi-Fi ....Miracast and iOS Airplay screen mirroring;
USB x1
Mini HDMI x1
Output audio.. 3.5 mm audio out jack for headphones, USB 2.0 (via Micro USB adapter)

Power source

Power charger adapter.................................... 5V, 2A
Built-in battery 3000mAh
.... last up to 115 minutes

Product details

Dimensions (W × D × H)............. 76 x 74 x 34 mm
....2.99 x 2.91 x 1.34 inches
Weight ....215 g / 0.47lb

Operating temperature.................................< 40 °C

Storage temperature.....................................< 60 °C

Package content

PicoPix Micro projector, remote control with 2 AAA batteries, USB cable, AC adapter, power plugs (EU, UK, US), tripod, travel pouch, Quick Start Guide

CE

The CE marking certifies, that the product meets the main requirements of the European Parliament and Council directives Directive 2014/53/EU (RED), Directive 2009/125/EC (ERP), EC Regulation 1907/2006 (REACH), Directive 2011/65/EU (RoHS), Directive 2012/19/EU (WEEE) 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.philips.com/projection.

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 t o integrate environmental performances in the life cycle of these products, from manufacturing to commissioning use and elimination.

FC

Federal Communications Commission (FCC) Statement: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

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:

- · Adjust 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.

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;

2   this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement: This transmitter must not be in co-location or operating in conjunction with any other antenna or transmitter. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This device should be installed and operated with a minimum distance of 20 centimetres between the device and your body.

FCC ID: 2ASRT-PPX320

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.

RF Radiation Exposure statement: The device meets the exemption from the routine evaluation limits in section 2.5 of RSS102 and users can obtain Canadian information on RF exposure and compliance.

This device should be installed and operated with a minimum distance of 7.8 inches (20 centimetres) between the device and your body.

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 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 centre, 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.

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operating and maintenance instructions.

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PicoPix Micro

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