

PHILIPS

PicoPix Nano

Mini projector

PPX120

User Manual



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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!

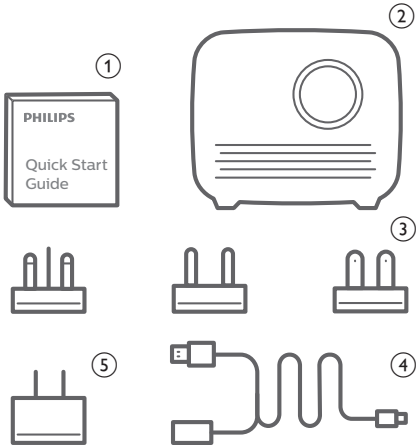


Damage to the product or loss of data!

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 Nano projector (PPX120)
- ③ 3x power plug adapter (EU, UK, US)
- ④ USB cable
- ⑤ Power adapter



Product highlights

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 disassemble 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!

Do not try to replace the built-in battery yourself.

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!

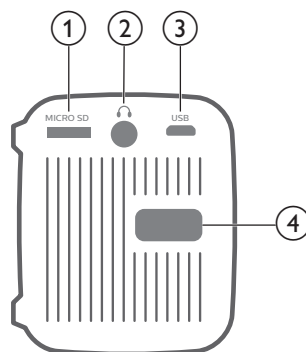



Risk of eye irritation!

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.

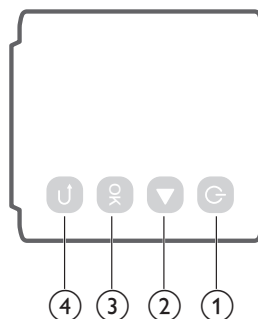
2 Overview



Rear view



- ① **Micro SD card slot**
Connect to a Micro SD card for media play.
- ② 
3.5 mm audio output; connect to external speakers or headphones.
- ③ **Micro USB port**
Connect to the power supply.
- ④ **Focus adjustment knob**
Adjust image sharpness.

Side view



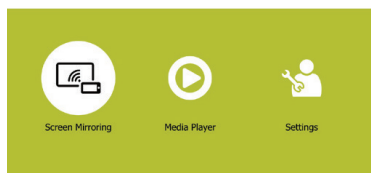
- ① 
 - Press and hold three seconds to switch the projector on or off.
 - When the projector is switched on, the LED turns white. When the projector is switched off, the LED turns off.
 - When charging the projector, the LED turns red in power off mode.
- ② 
Navigate menu options.

- ③ **OK**
Confirm a selection or entry.
- ④ ↶
Return to a previous menu screen.

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.
- 2 Press the ► and **OK** buttons 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!

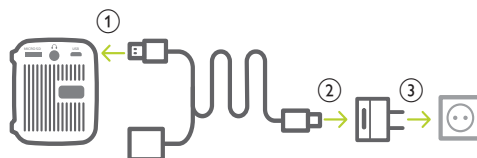


Always use the ⏻ button to turn the projector on and off.

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 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 in power off mode. When fully charged, the red LED turns off.

Notice



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.

Power on and setup

- 1 Press and hold  on the projector for 3 seconds to switch the projector on or off.
 - When the projector is switched on, the LED on the projector turns white.
 - When charging, the LED on the projector turns red in power off mode.

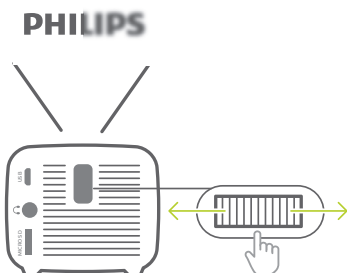
Changing screen size

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 60".
- The projection distance is 40 cm - 180 cm

Image sharpness adjustment

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



4 Connect to playback devices

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.

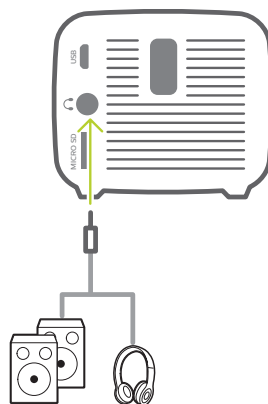
DANGER!



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.

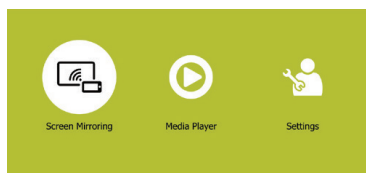


- 2 Before connecting to the headphones, make sure the volume is adjusted to a comfortable level.
To adjust the volume of the projector, you can use the playback control appearing on the screen during media playback **Media playback**, page 12.

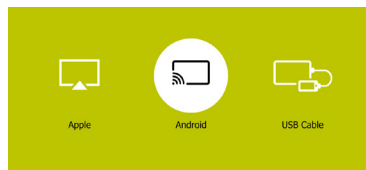
5 Wireless projection with Android devices

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.
 - 2 Use the ► button to select *Screen Mirroring*, and then press **OK**.



- 3 The window for selecting a screen mirroring method is displayed: *Apple*, *Android* and *USB Cable*. Select *Android* to enter the screen mirroring interface.

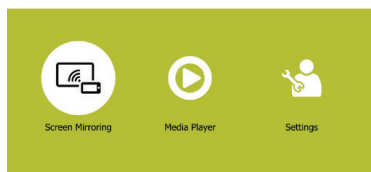


- 4 In the screen mirroring interface, the projector name is displayed. You are prompted to connect your Android device to the projector.
- 5 On your Android device, access the screen mirroring settings, and select the 'Wireless Display' option. Then select the projector name under 'Wireless Display' 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.

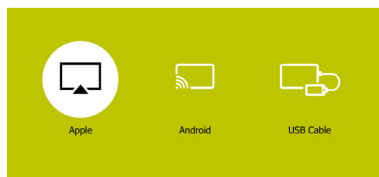
6 Wireless projection with iOS devices

What you need

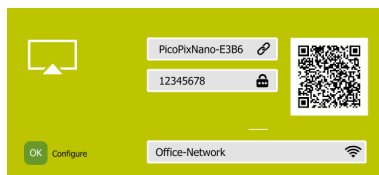
- Turn on WiFi on your iPhone.
- 1 Turn on the projector. The home menu is displayed.
 - Or when the projector is in operation, press **⬆** to display the home menu.
 - 2 Use the **▶** button to select *Screen Mirroring*, and then press **OK**.



- 3 The window for selecting a screen mirroring method is displayed: *Apple*, *Android* and *USB Cable*. Select *Apple* to enter the screen mirroring interface.



- 4 In the screen mirroring interface, the projector name and password and an QR code are given.



- 5 On your iPhone, access the WiFi settings and select the WiFi network of the projector, then connect your iPhone to the projector's WiFi.
 - Or you may scan the QR code using a camera app on your smartphone to connect your iPhone to the projector's WiFi.

- 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 10**).

Trademark notice

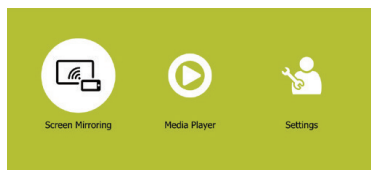
Apple, AirPlay and the AirPlay logo are trademarks or registered trademarks of Apple, Inc. in the US and other countries.

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

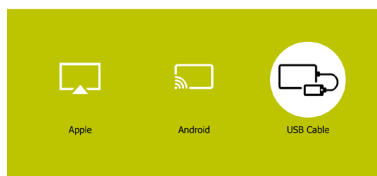
7 Projection with USB cable

You can project the screen contents of your smartphone (Android device or iPhone) onto the projection screen.

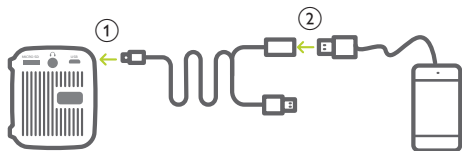
- 1 Turn on the projector. The home menu is displayed.
- 2 Use the ► button to select *Screen Mirroring*, and then press **OK**.



- 3 The window for selecting a screen mirroring method is displayed: *Apple*, *Android* and *USB Cable*. Select *USB Cable* to enter the screen mirroring interface.



- 4 As illustrated in the screen mirroring interface, connect your smartphone to the projector.
 - Connect the supplied USB cable to the the **USB** port on the projector, and to the USB cable which is connected to your smartphone.



- 5 If the message for connection confirmation pops up on the smartphone, grant the connection permission.
- 6 After successful connection, the screen contents of your iPhone is casted onto the projection surface.

8 Connect to WiFi network

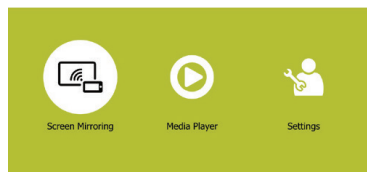
Connect the projector to a WiFi network router, and enjoy:

- 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.
- Stream online video from your iPhone to be played on the full projectoin screen.
- Wireless project your iPhone onto the projection screen.

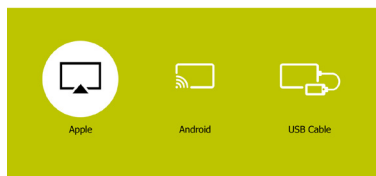
What you need

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

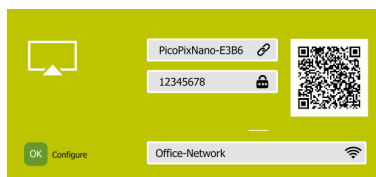
- 1 On the home menu, use the ► button to select *Screen Mirroring*, and then press **OK**.



- 2 The window for selecting a screen mirroring method is displayed: *Apple*, *Android* and *USB Cable*. Select *Apple* to enter the screen mirroring interface.



- 3 In the screen mirroring interface, select *Configure*, and press **OK** to access the WiFi network setting interface.



- 4 The screen for the instructional steps of the projector connection to Internet is displayed. See the figure below.



- First connect the projector to your smartphone using either of the following methods. After successful projector connection to the smartphone, a chain icon is displayed on the top right of the projection screen.
 - Use a camera app on your smartphone to scan the QR code in the left side of the screen, as shown in the figure above, or
 - access the WiFi settings of your smartphone, then connect the projector to the smartphone using the hotspot and password given in the left side of the screen (as shown in the figure above).
- Secondly access the WiFi network setup using either of the following methods.
 - Use a camera app on your smartphone to scan the QR code in the right side of the screen, as shown in the figure above, or
 - in the URL field of your smartphone, input the IP address "192.168. xx. xx" ("x" indicates a digit) provided in the right side of the screen as shown in the figure above.

- 5 The WiFi network setup interface is displayed on your smartphone, and select "Internet" to display the WiFi networks available. Then select your WiFi network and input the password to connect the projector to the WiFi network.

Setting	
Internet	
WiFi Password	12345678
EZAir mode	Mirror Only

- The projector is now connected to the Internet (it may take a few minutes to connect the projector to the Internet).
- To wirelessly project your iPhone onto the projection screen, select "EZAir mode" then select "Mirror Only" in the WiFi setup interface, as shown in the figure above.
- To cast online video onto the full projection screen, select "EZAir mode" then select "Mirror + Stream" in the WiFi setup interface, as shown in the figure above.

Enable iPhone to access Internet

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

- 1 Connect your iPhone to the projector, as described in this chapter.
- 2 Open the Internet browser on your iPhone to access the Internet.

9 Media playback

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

Notice



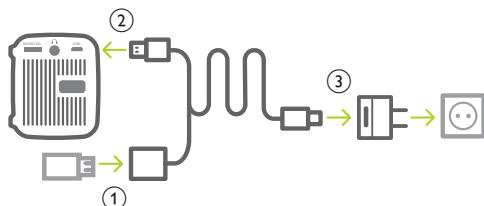
The projector supports a USB storage device that is formatted for FAT16 or FAT32 file systems.

To access more settings for media playback, see “Change settings” chapter.

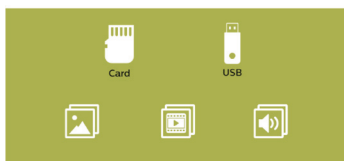
Movie playback

- 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 On the home menu, select *Media Player*. The media format options are displayed.
- 3 Select *USB* or *Card* as a media format. The icons for music, video and photo players are displayed.



- Music icon: access and play audio files only.
- Video icon: access and play video files only.
- Photo icon: access and play photo files only.

- 4 Select the video icon 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.
- 6 During playback, the playback control bar is displayed on the bottom of the projection screen. Use the **►** and **OK** buttons to select a playback function, such as , volume, pause/resume, repeat play, fast forward/backward, etc.

Music playback

- 1 Repeat step 1 to 3 in “Movie playback”, and the icons for music, video and photo players are displayed.



- Music icon: access and play audio files only.
 - Video icon: access and play video files only.
 - Photo icon: access and play photo files only.
- 2 Select the music icon 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.
 - 4 During playback, the playback control bar is displayed on the bottom of the projection screen. Use the **►** and **OK** buttons to select a playback function, such as , volume, pause/resume, repeat play, fast forward/backward, etc.

Photo playback

- 1 Repeat step 1 to 3 in “Movie playback”, and the icons for music, video and photo players are displayed.



- Music icon: access and play audio files only.
 - Video icon: access and play video files only.
 - Photo icon: access and play photo files only.
- 2 Select the photo icon 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 display the photo.
 - 4 Press the **▶** button to display next photos. Or press **OK** to display the playback control bar on the bottom of the projection screen. Then use the **▶** and **OK** buttons to select a playback function, such as rotate pictures, zoom pictures, slide show, file information and photo display settings.

10 Change settings

This section helps you change the settings of the projector.

- 1 On the home menu, select *Settings & Preferences* to access the settings menu.
- 2 The icons for photo, video, music and system settings are displayed. Use the **▶** and **OK** buttons to select and change the following settings.

Photo settings

- *Aspect Ratio*: Select an image display format.
- *Slideshow Duration*: Select a slideshow interval.

Video settings

- *Display Ratio*: Select an image display format.
- *Repeat Mode*: Select a play mode, e.g. play randomly, play the current music file once, repeat the current music file continuously.

Music settings

- *Repeat Mode*: Select a play mode, e.g. play randomly, play the current music file once, repeat the current music file continuously.

System settings

- *Projection Direction*: Select a direction of projection corresponding to particular placement of the projector.
- *ECO Mode*: Activate or deactivate energy saving mode. If *Auto* is selected, energy saving mode is activated when low battery power occurs.
- *Language*: Select a language for on-screen menu.
- *Firmware Upgrade*: Upgrade system via USB or Micro SD card.
- Firmware version is displayed on the bottom of the system settings interface.

11 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.

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:

- On the home menu, select *Settings & Preferences* to access the settings menu. Then access the system settings interface. The firmware version is displayed on the bottom of the system settings interface.

CAUTION!



Do not turn off the projector or remove the USB flash drive or Micro SD card during the update.

Update software through USB or Micro SD card



- 1 Check the latest software version on www.philips.com/support. Find your product (model number: PPX120), 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 file is named "DOW_PX.bin".
- 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. Go to *Settings & Preferences*, and navigate to select *Firmware Upgrade - USB or SD*.
 - 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Press and hold  longer than ten seconds. If this does not work, disconnect the power cable.
The projector turns itself off.	<ul style="list-style-type: none"> • 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.
The projector cannot read the USB stick.	<ul style="list-style-type: none"> • 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.
Measures to take if Screen Mirroring does not work anymore after a firmware update of an Android or iOS device?	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.

Problems	Solutions
When I view videos, the sound or the picture is sometimes distorted or the sound is not synchronized to the picture.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • For this projector it is normal to generate moderate heat during operation.

12 Appendix

Technical data

Technology/optical

Display technology	Ti DMD DLP
Light source	OSRAM LED
Resolution	640 x 360 pixel
Resolution supported	1920 x 1080 pixel
LED lifetime	last over 20.000 hours
Contrast ratio	500:1
Aspect ratio	16:9 and 4:3
Throw ratio	1.68:1
Brightness	up to 100 Color Lumens
Recommended screen size (diagonal)	8" to 60"
Recommended screen distance	40 cm - 180 cm
Focus adjustment.....	manual
Integrated media player.....	yes

Sound

Internal Speaker.....	2 W (max)
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Connection

Wi-Fi	Miracast and iOS Airplay screen mirroring;
Micro USB.....	x1
Micro SD card	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	1800mAh
.....	last up to 80 minutes

Product details

Dimensions (W x D x H).....	62 x 52.3 x 48 mm
.....	2.44 x 2.06 x 1.89 inches
Weight	136 g / 0.3 lb
Operating temperature.....	< 40 °C
Storage temperature	< 60 °C

Package content

PicoPix Nano projector, USB cable, AC adapter, power plugs (EU, UK, US), travel pouch, Quick Start Guide



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



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-PPX120

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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PicoPix Nano

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