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Philips NPX122

Philips NeoPix 122 Mini Projector User Manual

Model: NPX122

1. Introduction

Welcome to the user manual for your Philips NeoPix 122 Mini Projector. This guide provides essential information for setting up, operating, and maintaining your device to ensure optimal performance and longevity. The NeoPix 122 offers True HD 720p resolution, Wi-Fi Dual Band Screen Mirroring, and an integrated 2.1 Audio System for an immersive viewing experience.

2. Package Contents

Please check the box for the following items:

- Philips NeoPix 122 Mini Projector
- Remote Control (with AAA batteries, if included)
- AC Adapter
- Quick Start Guide
- Warranty Card
- Electric Cord

3. Product Overview

Familiarize yourself with the various parts and connections of your NeoPix 122 projector.

Figure 3.1: Angled view of the Philips NeoPix 122 Mini Projector, showing the lens and top controls.

Figure 3.2: Rear view of the projector, highlighting the power button, USB, 3.5mm audio, and HDMI ports.

3.1 Front Panel

- **Projection Lens:** Emits the image onto the screen or wall.

3.2 Rear Panel (Connectivity)

- **Power Button:** Turns the projector on/off.

- **USB Port:** For connecting USB storage devices (e.g., USB sticks) or powering external dongles like Amazon Fire TV Stick.
- **3.5mm Audio Output:** Connect external speakers or headphones.
- **HDMI Port:** Connect to laptops, TV boxes, gaming consoles, or other HDMI-enabled devices.

3.3 Side Panels

- **Ventilation Grilles:** Ensure proper airflow for cooling. Do not block.

Figure 3.3: Side view of the projector, showing the ventilation grilles for heat dissipation.

4. Setup

4.1 Placement

Place the projector on a stable, flat surface. For optimal viewing, ensure the projector is positioned directly in front of the projection surface (wall or screen). The recommended projection distance for a 65-inch screen is approximately 2.12 meters (7 feet).

Figure 4.1: The projector set up on a table, projecting an image onto a wall.

4.2 Power Connection

1. Connect the AC adapter to the projector's power input.
2. Plug the AC adapter into a power outlet.
3. Press the power button on the projector or remote control to turn it on.

4.3 Focus Adjustment

Adjust the focus ring on the projector lens until the projected image is clear and sharp.

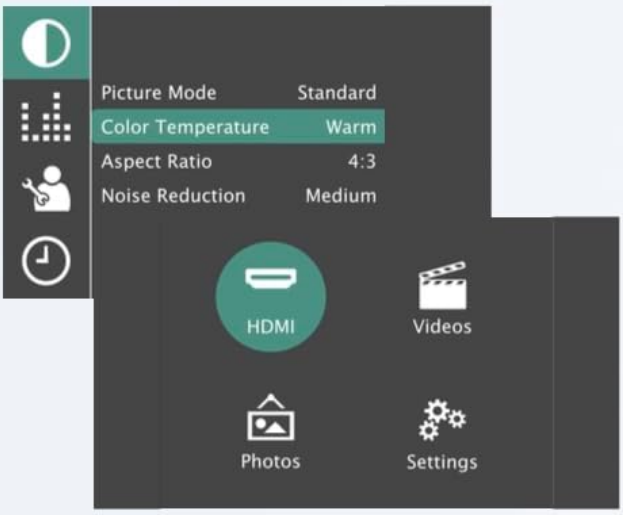
4.4 Keystone Correction

If the projected image appears trapezoidal, use the keystone correction feature (manual adjustment) to square the image. Refer to the on-screen menu for this setting.

5. Operating Instructions

5.1 Navigating the Menu

Use the remote control or the buttons on top of the projector to navigate the on-screen menu. The menu allows you to select input sources, adjust picture settings, sound settings, and more.



Specifications

Technology
Display technology: LCD
Light source: single LED W
LED light sources: last over 30.000 hours
Lumens: 100
Contrast ratio: 3000:1
Resolution: 1280 x 720 pixel
Resolution supported: 1920 x 1080 pixel
Throw ratio: 1.47:1
Screen size (diagonal): up to 65"
Screen distance: 65" screen @ 83" / 212 cm distance
Aspect ratio: 16:9
Projection Modes: 4
Focus adjustment: manual
Vertical Keystone: manual
Digital Zoom: yes
Sleep Timer: yes

Connection
HDMI: x1
USB-A: power out 5V2A (to power external dongles like Amazon Fire Stick + multimedia player)
Wi-Fi: Wi-Fi screen mirroring function for Android, iOS devices or Windows*
Output audio: 3.5 mm audio out

*DRM protected content like Netflix, Amazon Prime, etc, cannot be streamed via Wi-fi Screen Mirroring. An HDMI connection is necessary

Sound
Internal 2.1 stereo speakers: 2x5 Watts with bass boost Equalization

Multimedia Player
Supported video formats: container: MP4, RMVB, AVI, RM, MKV
Supported audio formats: MP3, WMA, OGG, AAC, FLAC, APE, WAV
Supported photos formats: BMP, PNG, JPEG

Dimensions
Unpacked (WxDxH):
225x190x102mm / 8.86x7.46x4.02 inch
Weights: 1,55kg / 3,41 lbs

Packed (WxDxH):
257x223x161.5mm / 10.1X8.7X6.3 inch
Weights: 2.62kg / 5.77 lbs

Box
Projector
Remote control with AAA batteries
Quick start guide
AC adapter
Warranty card

Model
NPX122/INT
EAN: 7640186960137
UPC: 667619992845
Master carton (4 units):

Figure 5.1: Example of the projector's on-screen menu for settings and input selection.

5.2 Input Sources

The NeoPix 122 supports multiple input sources:

- **HDMI:** For connecting laptops, TV boxes, gaming consoles, etc.
- **USB:** For playing media directly from a USB storage device.
- **Wi-Fi Screen Mirroring:** For wirelessly mirroring content from compatible smartphones or laptops.

6. Connectivity

6.1 Wi-Fi Screen Mirroring

The projector supports high-speed 2.4 GHz Wi-Fi for screen mirroring from your phone or laptop. This feature is ideal for presentations, gaming, and streaming. Please note that Wi-Fi screen mirroring may not work with protected content from services like Netflix or Amazon Prime due to digital rights management (DRM).

Figure 6.1: Demonstrating Wi-Fi screen mirroring from a smartphone to the projector.

6.2 HDMI Connection

Connect your laptop, TV box, Amazon Fire TV dongle, Android TV dongle, or other compatible devices via the HDMI port for a stable wired connection.

6.3 USB Playback

Insert a USB stick into the USB port to play supported multimedia files directly. The projector supports various video, audio, and photo formats.

- **Supported video formats:** MP4, RMVB, AVI, RM, MKV
- **Supported audio formats:** MP3, WMA, OGG, AAC, FLAC, APE, WAV
- **Supported photo formats:** BMP, PNG, JPEG

7. Audio System

The NeoPix 122 features an integrated 2.1 audio system, comprising two speakers and a subwoofer, delivering exceptional sound quality for both indoor and outdoor use.

Figure 7.1: Diagram illustrating the internal 2.1 audio system components.

You can also connect external speakers or headphones via the 3.5mm audio output for a personalized audio experience.

8. Maintenance

8.1 Cleaning the Lens

Gently wipe the projector lens with a soft, lint-free cloth specifically designed for optical surfaces. Do not use abrasive cleaners or solvents.

8.2 Cleaning the Projector Body

Use a soft, dry cloth to clean the exterior of the projector. For stubborn marks, slightly dampen the cloth with water and mild detergent, then wipe dry.

8.3 Ventilation

Ensure the ventilation grilles are free from dust and obstructions to maintain proper airflow and prevent overheating. The NeoPix 122 is designed with high-performance fans for quiet operation and efficient heat dissipation.

9. Troubleshooting

Problem	Possible Cause	Solution
No image projected	Power not connected; Incorrect input source selected; Lens cap on.	Check power connection; Select correct input source (HDMI, USB, Screen Mirroring); Remove lens cap.
Image is blurry	Focus not adjusted; Projector too far/close.	Adjust the focus ring; Reposition the projector within recommended distance.
Image is trapezoidal	Projector not perpendicular to screen.	Use manual keystone correction in the settings menu.
No sound	Volume too low; Muted; External audio device not connected properly.	Increase volume; Unmute; Check external audio connections.

Problem	Possible Cause	Solution
Wi-Fi Screen Mirroring not working with certain apps	DRM protection on content (e.g., Netflix, Amazon Prime).	This is expected behavior for protected content. Use an HDMI connection with a compatible streaming device (e.g., Google Chromecast, Amazon Fire TV Stick) for these services.

10. Specifications

Feature	Detail
Brand	Philips
Model Name	NeoPix 122
Model Number	NPX122 / NPX122/INT
Display Technology	LED
Light Source Life	Over 30,000 hours
Native Resolution	1280 x 720 pixels (True HD 720p)
Supported Resolution	Up to 1920 x 1080 pixels
Contrast Ratio	3000:1
Aspect Ratio	16:9
Screen Size (Diagonal)	Up to 65 inches
Screen Distance (65")	2.12 meters / 7 feet
Focus Adjustment	Manual
Vertical Keystone	Manual
Digital Zoom	Yes (50-100%)
Connectivity	HDMI, USB, 3.5mm Audio, Wi-Fi (2.4 GHz)
Audio System	Internal 2.1 stereo speakers (2x5 Watts with bass boost)
Dimensions (WxDxH) Unpacked	225x190x102 mm / 8.86x7.46x4.02 inches
Weight Unpacked	1.55 kg / 3.41 lbs
Power Supply	AC Adapter

11. Warranty and Support

Your Philips NeoPix 122 Mini Projector comes with a standard manufacturer's warranty. Please refer to the included

warranty card for detailed terms and conditions, including warranty period and coverage.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Philips customer service or visit the official Philips support website. Keep your purchase receipt and warranty card handy for any inquiries.

Online Support: www.philips.com/support

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