N newline NewPie 91

N newline NewPie 91 Conference Speaker and Microphone User Manual

Model: NewPie 91

1. Introduction

The N newline NewPie 91 is a versatile conference speaker and microphone designed to enhance your virtual meetings and communication. It features 360° voice pickup, AI noise reduction, and multiple connectivity options including USB, Bluetooth, and a wireless dongle. This manual provides detailed instructions for setting up, operating, and maintaining your NewPie 91 device.

2. Product Overview

2.1 Package Contents

Ensure all items are present in the package:

- 1 x NewPie 91 Conference Speaker
- 1 x Black USB-A Cable
- 1 x USB Dongle

2.2 Key Features

- **360° Voice Pickup:** Equipped with 4 high-sensitivity microphones for clear audio capture from all directions.
- **Pro AI Noise Reduction:** Advanced algorithms reduce background noise for crystal-clear communication.
- **Multiple Connectivity:** Supports USB, Bluetooth, and a dedicated USB dongle for flexible connection.
- **Wireless Daisy Chaining:** Connect two NewPie 91 units wirelessly to expand coverage for larger meetings (up to 20 attendees).
- **Full Duplex Audio:** Allows natural, simultaneous two-way conversation without interruption.

- **Long-Lasting Battery:** 2600mAh battery provides extended use and up to 210 days of standby time.
- **Wide Compatibility:** Works with popular conferencing platforms like Zoom, Skype, WebEx, and operating systems including Windows, macOS, Android, and Linux.

2.3 Device Layout



Figure 1: Top view of the NewPie 91 conference speaker, highlighting its circular design and central control panel.

The NewPie 91 features an intuitive control panel on its top surface. This includes buttons for power, volume up/down, mute, Bluetooth pairing, and daisy chain activation. A fabric mesh covers the speaker and microphone array.

3. Setup

3.1 Charging the Device

Before first use, fully charge the NewPie 91. Connect the provided USB-A cable to the charging port on the speaker and the other end to a USB power adapter (not included) or a computer's USB port. A full charge takes approximately 3 hours.



Figure 2: Charging the NewPie 91 via USB connection to a laptop.

3.2 Connecting to a Device

The NewPie 91 offers three connection methods:



Figure 3: The NewPie 91 supports Bluetooth, USB dongle, and direct USB cable connections.

3.2.1 USB Cable Connection (Plug & Play)

1. Connect the provided USB-A cable to the NewPie 91 and then to an available USB port on your computer.
2. The device will be automatically recognized by your operating system.
3. Select "NewPie 91" as your audio input (microphone) and output (speaker) device in your computer's sound settings or conferencing application.

3.2.2 Bluetooth Connection

1. Press and hold the Bluetooth button on the NewPie 91 until the LED indicator flashes blue, indicating pairing mode.
2. On your device (smartphone, tablet, or computer), go to Bluetooth settings and search for available devices.
3. Select "NewPie 91" from the list to pair. The LED will turn solid blue once connected.

3.2.3 USB Dongle Connection

1. Plug the provided USB dongle into an available USB port on your computer.
2. Power on the NewPie 91. It will automatically connect to the dongle.

3. Select "NewPie 91" as your audio input and output device in your computer's sound settings or conferencing application.

4. Operating Instructions

4.1 Basic Controls

- **Power On/Off:** Press and hold the power button for 2 seconds.
- **Volume Up/Down:** Press the '+' or '-' buttons to adjust speaker volume.
- **Mute/Unmute Microphone:** Press the microphone icon button to mute or unmute. The LED ring will indicate mute status (e.g., red for muted).
- **Answer/End Call:** Press the phone icon button to manage calls (functionality may vary by connected device/application).

4.2 360° Voice Pickup and AI Noise Reduction

The NewPie 91 is designed to capture voices clearly from all directions within a 10-foot radius, making it suitable for various meeting setups. Its integrated AI noise reduction actively filters out background distractions, ensuring your voice is heard clearly.



Figure 4: Illustrates the 360° voice pickup capability of the NewPie 91, covering a 10-foot radius.



Figure 5: Visual representation of the Pro AI Noise Reduction technology in action, separating voice from background noise.

4.3 Wireless Daisy Chaining

For larger meeting spaces or more participants (up to 20), two NewPie 91 units can be wirelessly linked:

1. Ensure both NewPie 91 units are powered on and not connected to any other device via Bluetooth or USB.
2. On one NewPie 91 unit, press the daisy chain button (often represented by two interlocking circles). The LED will flash.
3. Repeat the action on the second NewPie 91 unit.
4. Once successfully paired, the LEDs on both units will indicate a successful connection (e.g., solid green or white).
5. Connect one of the daisy-chained units to your computer via USB, Bluetooth, or dongle. Both units will now function as a single audio system.



Figure 6: Two NewPie 91 units wirelessly connected to extend audio coverage for larger groups.

4.4 Full Duplex Communication

The NewPie 91 supports full duplex audio, allowing participants on both ends of a call to speak and be heard simultaneously without audio cutting out. This creates a more natural and fluid conversation experience.



Figure 7: Full duplex communication enables seamless two-way audio during calls.

5. Maintenance

To ensure the longevity and optimal performance of your NewPie 91 conference speaker, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Do not use liquid cleaners or aerosols directly on the speaker.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts.
- **Battery Care:** For long-term storage, charge the battery to approximately 50% every few months to preserve battery health.

6. Troubleshooting

If you encounter issues with your NewPie 91, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker / Microphone not picking up audio	Device not powered on. Incorrect audio device selected. Volume too low or muted. Loose cable connection. Bluetooth not paired.	Ensure the device is powered on. Check your computer's sound settings or conferencing app to ensure "NewPie 91" is selected as the input/output device. Increase volume and check mute status on both the device and your computer. Reconnect the USB cable or re-pair Bluetooth.
Echo or feedback during calls	Speaker volume too high. Microphone too close to speaker. Multiple audio devices active.	Reduce the speaker volume. Ensure the NewPie 91 is the only active microphone and speaker for the call. Adjust the placement of the speakerphone.
Bluetooth connection unstable or drops	Device out of range. Interference from other devices. Low battery.	Move the NewPie 91 closer to the connected device. Ensure no other strong wireless signals are interfering. Charge the NewPie 91. Try re-pairing the Bluetooth connection.

7. Specifications

Feature	Detail
Model Name	NewPie 91 Speaker with Microphone
Mounting Type	Tabletop Mount
Microphone Pickup	360° Voice Pickup with 4 Mics
Noise Reduction	Pro AI Noise Reduction
Communication Type	Full Duplex Communication
Connectivity Technology	Bluetooth, USB, Wireless Dongle
Wireless Communication	Bluetooth
Compatible Devices	Desktop, Laptop, Smartphone, Tablet

Feature	Detail
Recommended Use	Video Conference
Speaker Maximum Output Power	5 Watts
Frequency Response	22 KHz
Audio Output Mode	Stereo
Power Source	Battery Powered
Battery Capacity	2600 mAh
Charging Time	Approx. 3 hours
Standby Time	Up to 210 days
Item Weight	499 g (0.5 Kilograms)
Package Dimensions	16.1 x 15.6 x 8.2 cm
Daisy Chaining	Wireless Daisy Chaining (up to 2 units)

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official N newline website. Keep your proof of purchase for warranty claims.
If you require further assistance, please contact N newline customer support.