

Neoteck NTK106-US

Neoteck Portable 3.5mm Headphone Amplifier with Bluetooth 5.0 Receiver User Manual

Model: NTK106-US | Brand: Neoteck

1. INTRODUCTION

This manual provides detailed instructions for the Neoteck Portable 3.5mm Headphone Amplifier with Bluetooth 5.0 Receiver. Please read this manual carefully before using the product to ensure proper operation and to maximize your audio experience. This device is designed to enhance audio quality for a wide range of headphones and audio sources.

2. WHAT'S IN THE BOX

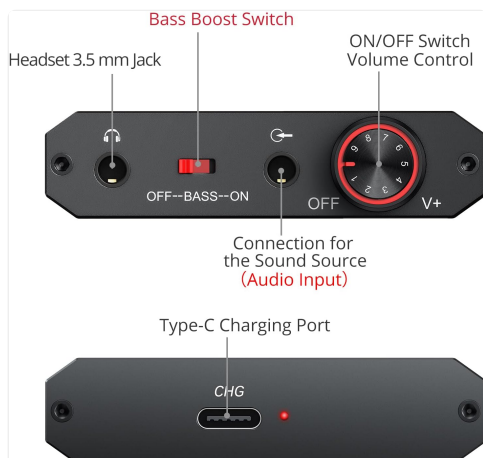


Image Description: The Neoteck Portable Headphone Amplifier is shown alongside its included accessories: a Type-C power cable, an audio cable, and the user manual, all neatly arranged in the product packaging.

- 1 x Neoteck Portable Bluetooth Headphone Amplifier
- 1 x Type-C Power Cable
- 1 x Audio Cable (3.5mm to 3.5mm)
- 1 x User Manual

3. PRODUCT FEATURES

- **HiFi Headphone Amplifier:** Supports most headphones with impedance ranging from 16-300Ω. Features 3.5mm AUX Input and Output, a signal-to-noise ratio > 100Db, and THD + N = 0.0003% for high-quality, noise-filtered audio.
- **Bluetooth 5.0 Receiver:** Designed to deliver studio-quality sound wirelessly to your existing wired headphones, earphones, and speakers.
- **Rechargeable Lithium Battery:** Provides approximately 13 hours of continuous operation on a full charge.
- **Two-stage Gain Switch:** Enhances the signal input for optimal headphone performance, delivering louder, sharper, and more realistic stereo sound without distortion.
- **Broad Compatibility:** Compatible with various digital devices including MP3 players, MP4 players, mobile phones, computers, CD players, and personal media players.
- **Durable Design:** Constructed with an aluminum matte surface for stable audio signal transmission and a comfortable handheld feel.

4. SETUP

4.1 Wired Connection



Image Description: The Neoteck Headphone Amplifier is shown connected via its 3.5mm audio cable to a laptop, with headphones plugged into the amplifier, illustrating its universal compatibility with various digital devices.

1. Connect one end of the provided 3.5mm audio cable to the audio output jack of your source device (e.g., smartphone, computer, MP3 player).
2. Connect the other end of the 3.5mm audio cable to the **Audio Input** port on the Neoteck amplifier.
3. Plug your headphones into the **Headset 3.5 mm Jack** on the amplifier.
4. Turn the **ON/OFF Switch Volume Control** knob clockwise to power on the amplifier.

4.2 Bluetooth Connection



Image Description: The Neoteck Headphone Amplifier is shown in a car, connected wirelessly to a smartphone via Bluetooth, demonstrating its use for on-the-go audio enhancement.

1. Ensure the amplifier is powered on.
2. On your mobile phone or tablet, navigate to **Settings > Bluetooth**.
3. Look for "NEOTECK RX5.0" in the list of available devices and select it to pair.
4. Once connected, audio from your device will be transmitted wirelessly to the amplifier.
5. Plug your wired headphones into the **Headset 3.5 mm Jack** on the amplifier to listen.

5. OPERATING INSTRUCTIONS

5.1 Controls Overview



Image Description: A close-up view of the Neoteck Headphone Amplifier highlights its various controls and ports: the Headset 3.5 mm Jack, Bass Boost Switch, Connection for Sound Source (Audio Input), ON/OFF Switch Volume Control, and Type-C Charging Port.

- **ON/OFF Switch Volume Control:** Rotate clockwise to power on and increase volume. Rotate counter-clockwise to decrease volume and power off.
- **Two-stage Gain Switch (L-GAIN-H):** This switch allows you to select between low (L) and high (H) gain settings.
 - **Low Gain (L):** Suitable for sensitive headphones or when a lower output level is desired.
 - **High Gain (H):** Provides increased amplification for high-impedance headphones or when a louder output is needed.
- **Bass Boost Switch (OFF---BASS---ON):** Activates or deactivates the bass boost feature.

- **OFF:** Disables bass boost.
- **ON:** Engages bass boost for a more pronounced low-frequency response.

5.2 LED Indicator Light



Image Description: The Neoteck Headphone Amplifier features a "Fascinating Breathing Light" on its surface, which serves as an indicator for the device's working status and enhances the overall audio experience.

The device features an LED indicator light that changes color to reflect its working status, providing visual feedback during operation.

6. CHARGING THE DEVICE



Image Description: The Neoteck Headphone Amplifier is shown connected to a power adapter via its USB Type-C charging cable, illustrating the charging process. The image emphasizes its long working time after a full charge.

The amplifier is equipped with a rechargeable lithium battery. To charge:

1. Connect the provided Type-C power cable to the **CHG** port on the amplifier.
2. Connect the other end of the cable to a USB power source (e.g., computer USB port, USB wall adapter).
3. The LED indicator will show charging status (e.g., red for charging, green for fully charged).
4. A full charge provides approximately 13 hours of continuous use.

Note: It is recommended NOT to use the device while charging to avoid potential current disturbance and ensure optimal battery life.

7. SPECIFICATIONS

Feature	Detail
Brand	Neoteck
Model Name	Headphone Amplifier
Model Number	NTK106-US
Color	Matte Gray
Material	Aluminum Matte
Power Source	Battery Powered
Number of Batteries	1 Lithium Polymer battery required (included)

Feature	Detail
Battery Cell Composition	Lithium-Polymer
Lithium Battery Voltage	3.7 Volts
Battery Weight	21 Grams
Item Dimensions (L x W)	3.78"L x 2.4"W
Item Weight	121 Grams
Audio Sensitivity	100 Decibels
Output Wattage	40 Milliwatts
Impedance Support	16-300Ω
Bluetooth Version	5.0
Special Features	High Fidelity, Lightweight, Noise Reduction, Rechargeable, Volume Control, Two-Stage Gain Switch
Compatible Devices	Smartphone, MP3, MP4, Computer, CD players, personal media players

8. MAINTENANCE

- Keep the device dry. Moisture can damage the internal circuits.
- Do not expose the device to extreme temperatures. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device. Wipe it with a soft, slightly damp cloth.
- Avoid dropping or subjecting the device to strong impacts.

9. TROUBLESHOOTING

Problem	Possible Solution
No sound or low volume	◦ Ensure the amplifier is powered on and fully charged. ◦ Check the volume level on both the amplifier and your source device. ◦ Verify that all cables are securely connected. ◦ Try switching the gain setting (L-GAIN-H) to 'H' for higher impedance headphones. ◦ If using Bluetooth, ensure the device is properly paired and within range.

Problem	Possible Solution
Bluetooth connection issues	◦ Ensure the amplifier is powered on and in pairing mode (if applicable, check LED indicator). ◦ Turn off and on Bluetooth on your source device. ◦ Forget "NEOTECK RX5.0" from your device's Bluetooth list and attempt to re-pair. ◦ Ensure no other devices are actively connected to the amplifier. ◦ Reduce the distance between the amplifier and your Bluetooth device.
Distorted audio	◦ Reduce the volume on either the amplifier or the source device. ◦ If using high gain, try switching to low gain. ◦ Ensure the audio cable is not damaged and is fully inserted. ◦ Check for interference from other electronic devices.
Device not charging	◦ Verify the Type-C charging cable is correctly connected to both the amplifier and the power source. ◦ Try a different USB power source or cable. ◦ Ensure the power source is active.

10. WARRANTY AND SUPPORT

The Neoteck Portable 3.5mm Headphone Amplifier comes with an **18-month warranty** from the date of purchase. For warranty claims, technical support, or any inquiries, please contact Neoteck customer service through the retailer where the product was purchased or visit the official Neoteck website for contact information. Please retain your proof of purchase for warranty purposes.

11. OFFICIAL PRODUCT VIDEOS

Neoteck Portable Bluetooth Headphone Amplifier Overview

Your browser does not support the video tag.

Video Description: An official video from Neoteck Direct showcasing the features and functionality of the Portable Bluetooth Headphone Amplifier, including its design, connectivity options, and ease of use.

Unboxing and Setup of Headphone Amplifier with Bluetooth 5.0 Receiver

Your browser does not support the video tag.

Video Description: An official unboxing and initial setup video from Neoteck Direct, demonstrating what's included in the package and how to get started with the Headphone Amplifier with Bluetooth 5.0 Receiver.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question