

NEOHIPO BP10

NEOHIPO BP10 Hi-Fi Stereo Amplifier User Manual

Model: BP10

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your NEOHIPO BP10 Hi-Fi Stereo Amplifier. Please read this manual thoroughly before using the product to ensure proper function and longevity.

PRODUCT OVERVIEW

The NEOHIPO BP10 is a compact and versatile Hi-Fi stereo amplifier designed for various audio applications, including home theater, desktop audio, and bookshelf speakers. It features a high-performance TPA3116 digital amplifier chip and Bluetooth 5.3 wireless connectivity for clear, low-distortion sound.

Key Features:

- **Output Power:** 50W x 2 in stereo mode, 100W in mono mode. Supports dual mono (100W x 2) configuration.
- **Frequency Response:** 20Hz-20kHz.
- **Signal-to-Noise Ratio (SNR):** ≥100dB.
- **Low Distortion:** Equipped with TPA3116 high-performance chip for clear audio.
- **Bluetooth Connectivity:** Bluetooth 5.3 for stable, low-latency wireless audio transmission.
- **Input Modes:** AUX (3.5mm) and Bluetooth.
- **Compatibility:** Adaptable to 4Ω-8Ω bookshelf speakers, bass shakers, PC speakers, and floor-standing speakers. Supports PC, PS5, Xbox via audio interface or HDMI splitter.
- **Design:** Mini portable design for flexible placement.
- **Cooling:** Silent, fanless cooling structure.
- **Safety:** Short-circuit and overload protection.

Package Contents:

- NEOHIPO BP10 Amplifier
- Power Adapter (12V-24V, specific voltage may vary by region)
- User Manual (this document)
- (Additional cables or accessories may be included depending on the specific package)

Components and Controls

Familiarize yourself with the amplifier's front and rear panels.



Image: Front and rear panel layout of the NEOHIPO BP10 amplifier.

- **Mode/Vol Knob:** Controls power on/off, volume adjustment, and input mode switching (Bluetooth/AUX).
- **Mode Indicator:** LED light indicating the current input mode (e.g., green for AUX, blue for Bluetooth, white for mono).
- **AUX Input:** 3.5mm stereo audio input jack.
- **DC Power Input:** Connects to the provided power adapter (12V-24V).
- **Left/Right Passive Speaker Output:** Connects to passive speakers using banana plugs or bare wire.
- **Mono Switch:** Internally reconfigures the amplifier for mono output, typically for bass shakers or single-channel applications.

SETUP

Follow these steps to set up your NEOHIPO BP10 amplifier.

1. Speaker Connection

Connect your passive speakers to the amplifier's speaker output terminals. Ensure correct polarity (+ to + and - to -) for each speaker. The BP10 supports 4Ω-8Ω speakers.

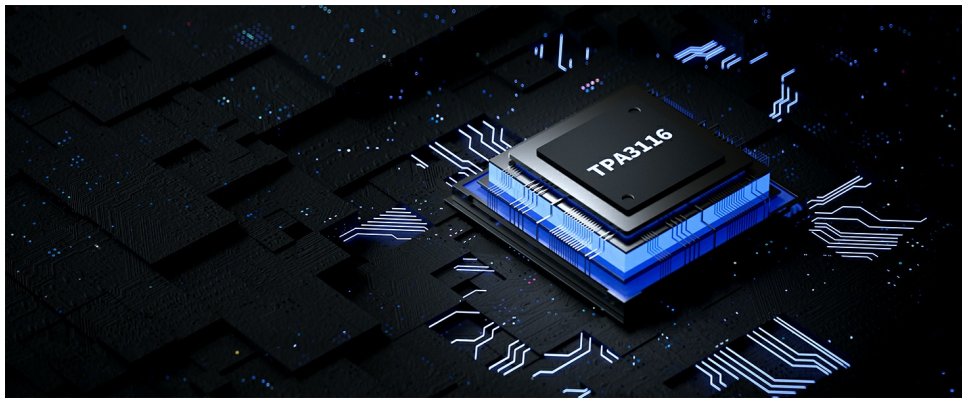


Image: Connection diagrams for Stereo, Mono, and Dual Mono modes.

- **Stereo Mode:** Connect one speaker to the Left output and another to the Right output.
- **Mono Mode:** For a single speaker or bass shaker, connect it to one of the speaker outputs and ensure the amplifier is set to mono mode (if applicable via the switch or knob). This configuration combines both channels for a single, more powerful output.
- **Dual Mono Mode:** Requires two BP10 amplifiers. Each amplifier is set to mono mode and drives one speaker, effectively providing 100W per channel.

2. Power Connection

Connect the provided power adapter to the DC Power Input on the rear of the amplifier, then plug the adapter into a wall outlet. The amplifier supports a wide voltage range (12V-24V).

3. Audio Source Connection

Choose your preferred audio input method:

- **AUX Input:** Connect your audio source (e.g., PC, DAC, smartphone) to the 3.5mm AUX input jack on the front panel using an appropriate audio cable.
- **Bluetooth Input:** Ensure no AUX cable is connected. The amplifier will automatically enter Bluetooth pairing mode or connect to the last paired device.

OPERATING INSTRUCTIONS

Power On/Off and Volume Control

The multi-function knob on the front panel controls power and volume:

- **Power On:** Rotate the knob clockwise until you hear a click and the mode indicator lights up.
- **Power Off:** Rotate the knob counter-clockwise until you hear a click and the mode indicator turns off.
- **Volume Adjustment:** Rotate the knob clockwise to increase volume, counter-clockwise to decrease volume.

Input Mode Selection

The BP10 supports both AUX and Bluetooth input. The amplifier automatically prioritizes AUX input if a cable is connected. If no AUX cable is detected, it will switch to Bluetooth mode.

- **AUX Mode:** Connect a 3.5mm audio cable to the AUX input. The mode indicator will typically show a green light.
- **Bluetooth Mode:** Disconnect any AUX cable. The mode indicator will flash blue, indicating pairing mode. Once paired, it will show a solid blue light.

Bluetooth Pairing

To pair your device via Bluetooth:

1. Ensure the amplifier is powered on and no AUX cable is connected. The mode indicator will flash blue.
2. On your smart device (phone, tablet, PC), open Bluetooth settings.
3. Search for available devices and select "NEOHIPO BP10".
4. Once connected, the mode indicator will show a solid blue light.



Image: NEOHIPO BP10 connected via Bluetooth to a smartphone.

Mono Mode Operation (for Bass Shakers)

The BP10 can be configured for mono output, providing enhanced power for devices like bass shakers.

- Locate the "MONO" switch on the rear panel (if present, or refer to the knob's functionality for mono mode).
- Switch the amplifier to mono mode. The mode indicator will typically show a white light.
- Connect your bass shaker to one of the speaker output terminals. This configuration combines the left and right channels for a single, more powerful output, ideal for vibration feedback.

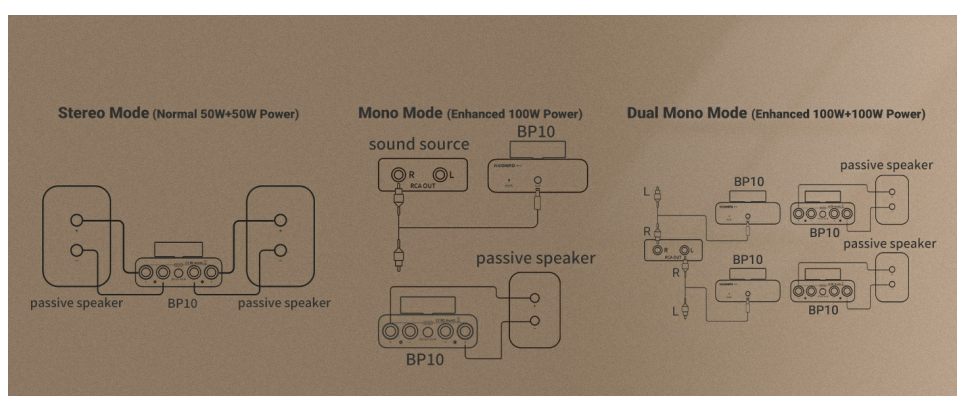


Image: NEOHIPO BP10 amplifier used with a bass shaker in a gaming setup.

SPECIFICATIONS

Feature	Specification
Brand	NEOHIPO
Model Number	BP10
Output Power (Stereo)	50W x 2
Output Power (Mono)	100W
Frequency Response	20Hz-20kHz
Signal-to-Noise Ratio (SNR)	≥100dB
Connectivity Technology	Auxiliary (3.5mm), Bluetooth 5.3
Compatible Speaker Impedance	4Ω-8Ω
Power Supply	DC 12V-24V
Product Dimensions (D x W x H)	3.6 x 7.8 x 8.9 cm (1.4 x 3.1 x 3.5 inches)
Weight	460 g (1.01 lbs)
Audio Output Type	Speakers
Control Method	Manual Knob

TROUBLESHOOTING

If you encounter issues with your NEOHIPO BP10 amplifier, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound output	- Amplifier not powered on. - Incorrect input mode selected. - Speaker cables loose or incorrectly connected. - Volume too low. - Audio source not playing or volume too low.	- Ensure the amplifier is powered on and the mode indicator is lit. - Verify the correct input mode (AUX/Bluetooth) is active. Disconnect AUX cable for Bluetooth. - Check all speaker connections for secure fit and correct polarity. - Increase the volume on both the amplifier and your audio source. - Confirm the audio source is playing and its volume is adequate.

Bluetooth not connecting	• AUX cable connected. • Amplifier not in pairing mode. • Device too far from amplifier. • Bluetooth interference.	• Disconnect any 3.5mm AUX cable. • Ensure the mode indicator is flashing blue. If not, cycle power or switch input modes. • Move your Bluetooth device closer to the amplifier. • Turn off other Bluetooth devices nearby to reduce interference.
Distorted or poor sound quality	• Volume too high (clipping). • Loose cable connections. • Low-quality audio source. • Speaker impedance mismatch.	• Reduce the volume on both the amplifier and the audio source. • Check all audio and speaker cable connections. • Try a different audio source or higher quality audio files. • Ensure your speakers are within the supported 4Ω-8Ω impedance range.
Audible noise floor (hum/hiss)	• Ground loop issue. • Interference from other electronics. • Low-quality AUX cable.	• Try plugging the amplifier and audio source into different outlets or a power conditioner. • Move the amplifier away from other electronic devices. • Use a shielded, high-quality AUX cable. • If noise occurs only with AUX, try Bluetooth mode to isolate the issue.

MAINTENANCE

To ensure the longevity and optimal performance of your NEOHIPO BP10 amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Avoid using liquid cleaners, aerosols, or solvents.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block any vents or place it in an enclosed space that could restrict airflow.
- **Environment:** Keep the amplifier away from direct sunlight, heat sources, excessive dust, moisture, and strong electromagnetic fields.
- **Power Off:** Always power off the amplifier and disconnect it from the power outlet before cleaning or if it will be unused for an extended period.

WARRANTY AND SUPPORT

The NEOHIPO BP10 amplifier comes with a **1-year technical support service** from the date of order shipment. If you encounter any issues or require assistance, please contact the NEOHIPO support team. Contact information can typically be found on the product packaging or the official NEOHIPO website.

For safety information, please refer to the detailed instructions provided with the product.

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

Open the live page

<https://manuals.plus/asin/B0DHXBNY36>

More documents and user manuals: **<https://manuals.plus/>**