

[Manuals.plus](#) /

› [Neoteck](#) /

› Neoteck 4 Channel Stereo Headphone Amplifier (Model NTK190us) User Manual

Neoteck NTK190us

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INTRODUCTION

The Neoteck 4 Channel Stereo Headphone Amplifier is designed to provide high-quality audio amplification for up to four headphones simultaneously. It features independent volume controls for each channel and a mono/stereo switching function, making it suitable for various audio applications. The amplifier utilizes an ultra-low noise operational amplifier for clear sound reproduction and is housed in a durable metal casing. A convenient power switch allows for easy operation.

WHAT'S IN THE BOX

- 1 x Headphone Amplifier
- 1 x 3.5mm Audio Cable
- 1 x Power Cable
- 1 x Power Adapter
- 1 x User Manual



Image: Contents of the Neoteck 4 Channel Headphone Amplifier package, including the amplifier unit, 3.5mm audio cable, power cable, and power adapter.

This video provides an unboxing view of the Neoteck 4 Channel Headphone Amplifier, showing all included accessories.

Your browser does not support the video tag.

PRODUCT OVERVIEW

Front and Rear Panel Layout

4 Channel Professional Headphone Amplifier



Image: Detailed diagram of the amplifier's front and rear panels, indicating the 5V/2A DC power input, 3.5mm input interface, level controls, stereo/mono switch, power switch, and four 3.5mm stereo outputs.

- **DC 5V 2A Power Input:** Connect the provided power adapter here.
- **3.5mm Input Interface:** Connect your audio source (e.g., mixer, smartphone, TV) to this input.
- **Level Controls (1-4):** Rotary knobs to adjust the output volume for each of the four headphone channels independently.
- **Stereo/Mono Switch:** Toggles between stereo and mono output modes.
- **Power Switch:** Turns the amplifier on or off. An indicator light will illuminate when powered on.
- **Channel 1~4 Stereo 3.5mm Output:** Connect your headphones or speakers to these output jacks.

Mono and Stereo Switching Function

Mono and Stereo Switch

Supports Mono Stereo one-touch Switching for Better Compatibility with the Sound of input Audio Devices



Image: Close-up of the Mono and Stereo switch, illustrating its function for compatibility with various audio devices and input types (TS, TRS, TRRS).

The amplifier includes a switch to toggle between mono and stereo modes. This feature allows for greater compatibility with different audio sources and simplifies audio production by eliminating the need for specialized cables or complex settings.

Compact and Robust Design

Compact Structure, Sturdy and Robust



Image: Diagram showing the compact dimensions of the amplifier: 2.56 inches (6.5 cm) depth, 5.43 inches (13.8 cm) width, and 1.06 inches (2.7 cm) height.

The device features a full metal housing, which contributes to its durability and helps reduce electromagnetic interference. A non-slip pad on the bottom ensures stability during use.

SETUP INSTRUCTIONS

1. **Connect Power:** Plug the provided power adapter into the DC 5V 2A input port on the rear of the amplifier, then connect the adapter to a power outlet.
2. **Connect Audio Source:** Use the included 3.5mm audio cable to connect your audio source (e.g., TV, mixer, smartphone, laptop) to the 3.5mm input interface on the rear of the amplifier.
3. **Connect Headphones/Speakers:** Plug up to four headphones or speakers into the 3.5mm output jacks (Channel 1-4) on the front of the amplifier.
4. **Power On:** Press the Power Switch on the front panel to turn on the amplifier. The power indicator light will illuminate.

Multi-functional 4-Channel Headphone Amplifier

This versatile 4-channel headphone amplifier can output to four headphones simultaneously, with each output having its own volume knob for individual volume control.



Image: Illustration demonstrating various input sources (laptop, TV, mixer, smartphone) connecting to the amplifier, which then outputs to multiple headphones or speakers.

This video demonstrates the basic setup and connection process for the Neoteck 4 Channel Headphone Amplifier, showing how to connect headphones and power on the device.

Your browser does not support the video tag.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Use the Power Switch on the front panel to turn the unit on or off. The red LED indicates power status.
2. **Adjusting Volume:** Rotate the individual Level Control knobs (Level 1-4) clockwise to increase the volume for the corresponding headphone channel, and counter-clockwise to decrease it. Adjust each channel to your desired listening level.
3. **Mono/Stereo Selection:** Use the Stereo/Mono switch to select the desired audio output mode. In Stereo mode, the left and right channels are separated. In Mono mode, the left and right channels are combined into a single mono signal, which is then sent to both sides of the headphones.

MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the amplifier to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to disassemble or repair the unit yourself. Refer to qualified service personnel for any repairs.
- Ensure proper ventilation around the device during operation.

TROUBLESHOOTING

No Sound Output

- Check if the power adapter is securely connected and the amplifier is turned on (red LED illuminated).
- Verify that the audio source is properly connected to the 3.5mm input.
- Ensure headphones or speakers are correctly plugged into the output jacks.
- Adjust the individual Level Control knobs for each channel to an audible level.
- Confirm the audio source is playing and its volume is not muted or too low.

Distorted or Unclear Sound

- Reduce the volume on both the amplifier and the audio source to prevent clipping.
- Check all audio cables for damage or loose connections. Try different cables if available.
- Ensure the audio source is providing a clean signal.
- If using the Mono mode, switch to Stereo mode to see if the distortion persists, as some sources may not be optimized for mono summing.

Humming or Noise

- Ensure all connections are secure.
- Try connecting the amplifier to a different power outlet.
- If possible, use shielded audio cables to minimize interference.
- Move the amplifier away from other electronic devices that might cause interference.

SPECIFICATIONS

Brand	Neoteck
Model Number	NTK190us
Color	Black
Material	Metal
Output Wattage	5 watts
Power Source	Corded Electric
Output Channel Quantity	4
Amplifier Type	Solid State
Connector Type	3.5mm Jack

Item Dimensions (D x W x H)	2.56"D x 5.43"W x 1.06"H
Item Weight	0.44 kg
Compatible Devices	3.5mm Headphone, Mixer, Smartphone, Speaker, Television/Laptop

WARRANTY INFORMATION

This Neoteck product comes with an 18-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Neoteck customer support. Refer to the contact information provided on the product packaging or the official Neoteck website.

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