Nobsound Q10

Nobsound Q10 2 Channel Bluetooth Amplifier User Manual

Model: Q10

1. Product Overview

The Nobsound Q10 is a compact yet powerful 2-channel Bluetooth amplifier designed to enhance your home audio experience. It features multiple input options including Bluetooth, AUX, and Optical, allowing seamless connection to various audio sources.

With a high-performance TPA3221 chip, it delivers up to 100 watts per channel, providing clear and robust sound for your stereo speakers. Its intuitive single-knob control simplifies operation, enabling power on/off, input switching, and volume adjustment. The Q10 is suitable for a wide range of applications, from desktop setups to home theater systems, offering versatile and high-fidelity audio amplification.

Image: Front view of the Nobsound Q10 amplifier, showcasing its compact design, large volume knob, digital display, AUX input, and Optical input.

2. Safety Instructions

- Read all instructions carefully before operating the device.
- Do not expose this device to rain, moisture, or extreme temperatures.
- Ensure proper ventilation around the unit to prevent overheating.
- Disconnect the power adapter from the outlet if the unit will be unused for a long period.
- Do not attempt to disassemble or modify the unit. Refer all servicing to qualified personnel.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only the provided power adapter or one with identical specifications.

3. Package Contents

Please check the package carefully for the following items:

Image: Diagram showing all items included in the Nobsound Q10 amplifier package.

- 1x Nobsound Q10 Amplifier
- 1x 19V Power Supply
- 1x Optical Cable
- 1x RCA Cable
- 1x 3.5mm AUX Cable

4. Product Features

- **High-Performance Output:** Equipped with TPA3221 Class D audio chip, delivering up to 100W x 2 output power with less than 0.001% distortion.

- **Multiple Audio Inputs:** Supports Bluetooth 5.0, 3.5mm AUX, and Optical inputs for versatile connectivity with various devices.
- **Bluetooth 5.0:** Ensures stable and low-latency wireless audio transmission up to 50ft.
- **Single-Knob Control:** Intuitive multi-function knob for power on/off, input mode switching, and volume adjustment.
- **Digital Display:** Clear LED display shows current volume level and input mode.
- **Compact Design:** Small footprint with efficient heat rejection, making it ideal for various listening spaces.
- **Wide Voltage Compatibility:** DC 9V-24V wide working voltage, suitable for home or portable use.

Image: Illustration highlighting the high-performance TPA3221 chip and the 100W x 2 output power capability of the amplifier.

5. Setup and Connections

Follow these steps to set up your Nobsound Q10 amplifier and connect your audio devices.

5.1 Connecting Speakers

The Q10 amplifier uses banana plug compatible binding posts for speaker connections. You can use either banana plugs or bare speaker wire.

1. Identify the positive (+) and negative (-) terminals on your speakers and the amplifier.
2. Connect the positive terminal of the left speaker to the 'L+' terminal on the amplifier.
3. Connect the negative terminal of the left speaker to the 'L-' terminal on the amplifier.
4. Repeat for the right speaker, connecting to the 'R+' and 'R-' terminals.
5. Ensure all connections are secure to prevent short circuits.

Image: Detailed diagram of the Nobsound Q10's front and back panels, illustrating input/output ports and controls, including speaker connections.

5.2 Connecting Audio Sources

The Q10 supports three input modes: Bluetooth, AUX (3.5mm), and Optical.

- **AUX Input:** Connect your audio device (e.g., smartphone, CD player) to the 3.5mm AUX input port on the front panel using the provided 3.5mm AUX cable or an RCA to 3.5mm cable.
- **Optical Input:** Connect devices with an optical output (e.g., TV, game console) to the OPT input port on the front panel using the provided optical cable.
- **Bluetooth Input:** For wireless connection, ensure no cables are connected to the AUX or Optical inputs. The amplifier will automatically switch to Bluetooth mode when no wired input is detected.

Image: Visual representation of the three input modes (Bluetooth, AUX, Optical) supported by the Nobsound Q10 amplifier.

5.3 Power Connection

Connect the provided 19V power supply to the DC 9V-24V IN port on the rear of the amplifier, then plug the power supply into a wall outlet.

5.4 Visual Guide to Connections and Operation

Your browser does not support the video tag.

Video: This video demonstrates the physical connections of the Nobsound Q10 amplifier, including speaker wire and audio input cables, as well as basic operation like power on/off and volume adjustment.

6. Operating Instructions

The Nobsound Q10 features a single multi-function knob for all primary controls.

Image: Close-up view of the Nobsound Q10's single control knob, illustrating its multi-functional capabilities for power, input, and volume.

6.1 Power On/Off

- **Power On:** Short press the main knob to turn the amplifier on. The digital display will light up.
- **Power Off:** Long press the main knob to turn the amplifier off. The digital display will turn off.

6.2 Input Mode Selection

- When the amplifier is on, short press the main knob to cycle through input modes: Bluetooth (BT), Optical (OPT), and AUX.
- The digital display will show the current input mode (e.g., "BT", "OP", "AU").
- The indicator light next to the AUX and OPT ports will change color to indicate the active input: Blue for Bluetooth, Red for AUX, Purple for Optical.

6.3 Volume Adjustment

- Rotate the main knob clockwise to increase the volume.
- Rotate the main knob counter-clockwise to decrease the volume.
- The digital display will show the current volume level.

6.4 Bluetooth Pairing

- Switch the amplifier to Bluetooth mode (BT). The Bluetooth indicator light will blink, indicating it's in pairing mode.
- On your Bluetooth device (e.g., smartphone, tablet), search for "Nobsound Q10" in the Bluetooth settings.
- Select "Nobsound Q10" to pair. Once connected, the Bluetooth indicator light will become solid.
- If pairing fails, try turning off and on the amplifier, or clear the Bluetooth pairing list on your device and try again.

7. Troubleshooting

Problem	Possible Cause	Solution
No sound output.	Incorrect input selected; loose speaker connections; low volume; audio source issue.	Ensure correct input mode is selected. Check speaker wire connections. Increase volume. Verify audio source is playing and connected correctly.
Bluetooth connection issues.	Amplifier not in pairing mode; device too far; interference; previously paired device.	Ensure amplifier is in Bluetooth mode (BT). Move device closer. Avoid strong Wi-Fi signals. Disconnect from other Bluetooth devices.
Distorted sound.	Volume too high; poor cable connection; impedance mismatch.	Reduce volume. Check all cable connections. Ensure speakers are compatible with amplifier's output.
Unit does not power on.	Power adapter not connected; power outlet issue.	Check power adapter connection to amplifier and wall outlet. Try a different outlet.

8. Specifications

- **Model:** Q10
- **Brand:** Nobsound
- **Output Power:** 100W x 2 (Max)
- **Chip:** TPA3221
- **Inputs:** Bluetooth 5.0, 3.5mm AUX, Optical
- **Working Voltage:** DC 9V-24V
- **Item Weight:** 1.15 pounds (approx. 522g)
- **Package Dimensions:** 6.57 x 5.75 x 2.52 inches (approx. 16.7 x 14.6 x 6.4 cm)

9. Warranty and Support

Nobsound products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Nobsound website. Keep your proof of purchase for warranty claims.

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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

Answered questions about this manual

Is the power connector for the Nobsound Q10 amplifier a DC5521 (5.5mm x 2.1mm) or a DC5525 (5.5mm x 2.5mm) size?

Based on the standard specifications for Nobsound and Douk Audio desktop amplifiers in this series, the DC power input typically uses a 5.5mm x 2.5mm (DC5525) barrel jack. However, the provided manual for the...

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