

Nobsound NS-15G

Nobsound NS-15G 2 Channel Bluetooth Power Amplifier User Manual

Model: NS-15G | Brand: Nobsound

1. INTRODUCTION

The Nobsound NS-15G is a compact yet powerful 2-channel Bluetooth power amplifier designed for home audio systems. It delivers up to 200W of output power, making it suitable for driving various passive speakers. Featuring Bluetooth 5.0 connectivity and RCA input, it offers versatile connection options for your audio devices. The amplifier also includes treble and bass tone controls with a bypass function for a customized listening experience.



Figure 1.1: Front view of the Nobsound NS-15G amplifier, showcasing its compact design and control knobs.

2. KEY FEATURES

- **HiFi Clear Sound:** Enjoy more delicate and smooth sound by adjusting the treble/bass knob, presenting music with rousing highs and deep lows. Also features a bypass function to enjoy the original sound.
- **Strong Compatibility and Large Output Power:** Besides RCA input, Bluetooth 5.0 supports up to 50ft connection range, stable and low delay. Equipped with 2 TPA3116 chips, the max output power can reach 200W. Comes with a 19V power supply, capable of driving 200W (8Ω) or 300W (4Ω) speakers.
- **Unique Design in Appearance and Technology:** AUX/Bluetooth switch with red/blue indicator; pure integrated aluminum case and knob with multi-process fine treatment, CNC precision cutting; curved smooth edges highlight its unibody design; metal DC outlet, no electric sparks flying.
- **Mini Size but Powerful and Practical:** With a perfect protection circuit, it is perfectly suitable for desktop or smaller spaces in home or office. Easy to connect to your audio system, especially designed for audiophiles who pursue HiFi sound.
- **Easy to Use:** Suitable for various audio systems, including outdoor, garage, desktop, bookshelf, and home theater systems. Offers both Bluetooth and RCA inputs, allowing seamless connections to your phone, computer, TV, tablet, and more.

Large output power 2PCS TPA3116 chip

Max output power can reach 200W, comes with 19V power supply,
can drive 200W (8Ω) or 300W(4Ω) speakers.



Figure 2.1: Illustration of the dual TPA3116D2 chips, highlighting the amplifier's powerful output capabilities.



Strong compatibility

Besides RCA, with Bluetooth 5.0 input supports up to 50ft connection range, stable and low delay.

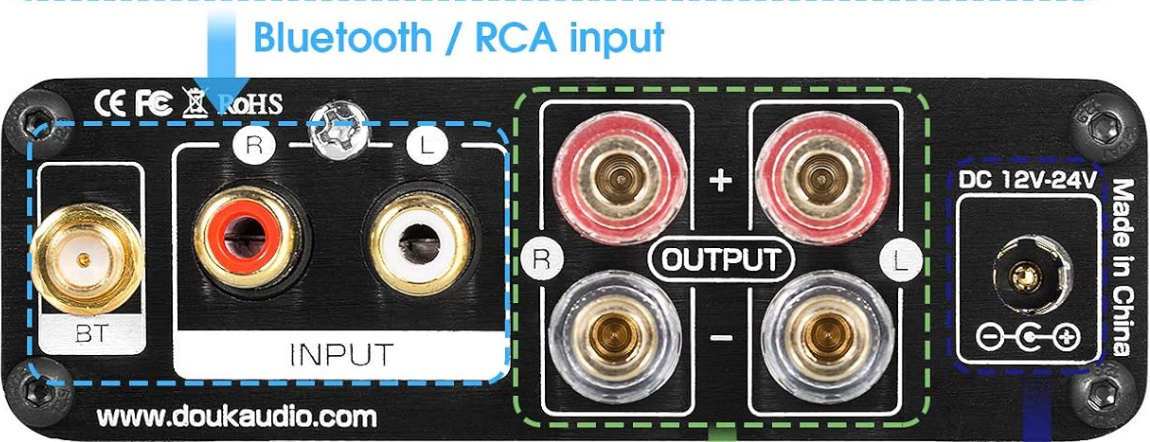
Figure 2.2: Depiction of Bluetooth 5.0 connectivity, emphasizing stable and low-latency wireless audio streaming.

3. SETUP GUIDE

Follow these steps to correctly set up your Nobsound NS-15G amplifier:

1. **Connect Speakers:** Connect your passive speakers to the speaker output terminals on the rear of the amplifier. Ensure correct polarity (positive to positive, negative to negative).
2. **Connect Audio Source:**
 - **RCA Input:** Connect your audio source (e.g., CD player, TV, computer) to the RCA input jacks on the rear panel using an RCA cable.
 - **Bluetooth Input:** For wireless connection, ensure the amplifier is powered on and the input switch is set to BT (Bluetooth).
3. **Connect Power:** Connect the provided 19V power supply to the DC 12V-24V input on the rear of the amplifier. Then, plug the power cord into a wall outlet. Ensure the connection is firm to prevent electric sparks.
4. **Initial Volume Setting:** Before turning on the amplifier, ensure the volume knob on the front panel is turned to

the minimum position to prevent sudden loud sounds and potential speaker damage.



Speaker output



Upgraded DC Output,
Safe For Use



AUX/Bluetooth
input select switch Bass knob **Tone Switch**
/ Treble Knob Power switch
/ Volume knob

Red : Power / AUX Blue : Bluetooth

Figure 3.1: Detailed diagram of the amplifier's front and rear panels, indicating all input/output ports and control knobs for easy setup.

Unique design in appearance and technology, more excellent than the similar in the market



Figure 3.2: Close-up view of the amplifier's design, showing the pure copper gold-plated terminals, customized case, and metal DC outlet.

4. OPERATING INSTRUCTIONS

Once set up, operate your NS-15G amplifier using the following controls:

- **Power Switch / Volume Knob:** This multi-function knob controls both power and volume. Rotate clockwise to turn on the amplifier and increase volume. Rotate counter-clockwise to decrease volume and turn off the amplifier.
- **AUX / Bluetooth Input Select Switch:** Toggle this switch to select between AUX (RCA) input and Bluetooth input. A red indicator light signifies AUX input, while a blue light indicates Bluetooth input.
- **Bass Knob:** Adjust this knob to increase or decrease the bass frequencies in your audio.
- **Treble Knob:** Adjust this knob to increase or decrease the treble frequencies in your audio.
- **Tone Off Switch:** This switch bypasses the bass and treble tone controls, allowing you to listen to the original, unprocessed audio signal.

Bluetooth Pairing

To pair your device via Bluetooth:

1. Ensure the amplifier is powered on and the input switch is set to BT. The blue indicator light will flash, indicating it is in pairing mode.
2. On your mobile device (phone, tablet, computer), enable Bluetooth and search for available devices.
3. Select "Nobsound NS-15G" (or similar name) from the list of devices to connect.
4. Once connected, the blue indicator light on the amplifier will become solid. You can now play audio from your device through the amplifier.



Tone Control with Bypass Function

Presenting music with rousing highs and deep lows, natural and smooth, no pop and audible noise. More delicate sound can be enjoyed by the treble / bass knob, bypass function is added to easily enjoy original sound, adding higher playability.

Figure 4.1: Close-up of the tone control knobs and the 'Tone Off' bypass function, allowing for sound customization or pure audio playback.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Nobsound NS-15G amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the amplifier. Avoid using liquid cleaners, aerosols, or abrasive materials, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block the ventilation holes and avoid placing it in enclosed spaces that could lead to overheating.
- **Environment:** Keep the amplifier away from direct sunlight, heat sources, excessive dust, moisture, and strong electromagnetic fields.
- **Power Off When Not in Use:** If the amplifier will not be used for an extended period, it is advisable to turn it off and unplug it from the power outlet.

6. TROUBLESHOOTING

If you encounter issues with your Nobsound NS-15G amplifier, refer to the following common problems and solutions:

- **No Power:** Ensure the power adapter is firmly connected to the amplifier and the wall socket. Check if the power outlet is functional.
- **No Sound or Distorted Sound:**
 - Verify all audio cables (RCA, speaker wires) are securely connected and not damaged.
 - Ensure the correct input source (AUX or BT) is selected on the amplifier.
 - Check the volume level on both the amplifier and your audio source device.
 - Ensure speaker polarity is correct (positive to positive, negative to negative).
 - If using Bluetooth, ensure your device is properly paired and within range.
- **Noise (Humming, Hissing):**
 - Noise may be caused by poor audio cables, sound sources, speakers, or power supply.
 - **To diagnose:**
 - a. Remove all audio cables and only connect the amplifier to the power supply. Turn on the amplifier. If there is no noise, the amplifier itself is likely fine.
 - b. Connect the amplifier to speakers only.
 - c. Connect the amplifier to the sound source.
 - d. Connect via BT/AUX. If noise appears at any step, the newly added component (cable, source, or speakers) might be the cause. Consider using better quality cables or speakers.
- **Bluetooth Connection Issues:** Ensure the amplifier is in Bluetooth mode (blue indicator light). Try unpairing and re-pairing the device. Ensure no other devices are actively connected to the amplifier.
- **Low Output Power:** The default 19V power supply is sufficient for most home speakers. For higher output (up to 300W with 4Ω speakers), a 24V power supply (purchased separately) may be used.

PACKING LIST



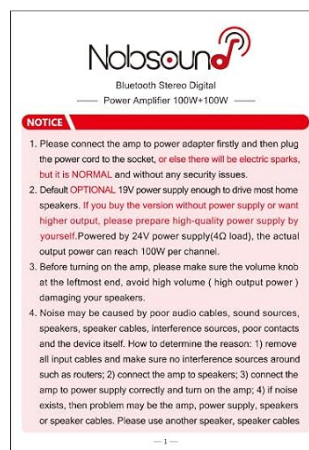
1× NS-15G Amplifier

Net Weight
320g/0.71lb

Package Weight
900g/1.98lb



1× 19V Power Supply



1× Manual

Figure 6.1: The packing list, which includes important notices regarding power connection, power supply, initial volume setting, and noise troubleshooting.

7. SPECIFICATIONS

Specification	Value
Brand	Nobsound
Model Number	NS-15G
Number of Channels	2
Output Power	200 Watts (Max)
Voltage	19 Volts (DC)
Minimum Supply Voltage	12 Volts (DC)

Specification	Value
Maximum Supply Voltage	24 Volts (DC)
Supply Current	10.1 Amps
Material	Aluminum
Item Weight	1.74 pounds
Package Dimensions	8.15 x 7.2 x 2.2 inches
Specification Met	CE, FCC, RoHS, WEEE
Date First Available	June 3, 2021

8. WHAT'S IN THE BOX

Upon unboxing your Nobsound NS-15G amplifier, you should find the following items:

- 1 × NS-15G Amplifier
- 1 × 19V Power Supply
- 1 × User Manual

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your product or visit the official Nobsound website. Nobsound, established in 2013 by enthusiastic music fans and audio experts, aims to provide affordable Hi-Fi audio equipment. For further assistance, you may contact Douk Audio Direct, the seller of this product.

Note: Specific warranty terms and conditions may vary. Please consult the official Nobsound or Douk Audio support channels for the most accurate and up-to-date information.

© 2025 Nobsound. All rights reserved.

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