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Nobsound GFJ801_NEW

Nobsound Mini Bluetooth 5.0 Digital Power Amplifier (Model GFJ801_NEW) User Manual

1. Introduction

Thank you for choosing the Nobsound Mini Bluetooth 5.0 Digital Power Amplifier, Model GFJ801_NEW. This compact Class D amplifier is designed to deliver clear stereo audio for your home desktop, bookshelf, or indoor passive speakers. It features versatile input options including 3.5mm AUX, USB, and Bluetooth 5.0, making it compatible with a wide range of audio devices. This manual provides essential information for safe operation, setup, and maintenance of your amplifier.

2. Safety Instructions

- **Power Connection:** Always ensure the amplifier is turned off before connecting or disconnecting the power adapter. It is normal for a small spark to occur when plugging in the power adapter; this is due to capacitor charging and does not indicate a fault.
- **Voltage:** Use only the specified power adapter (DC 9-20V). Using an incorrect voltage can damage the device.
- **Placement:** Place the amplifier on a stable, flat surface. Ensure adequate ventilation to prevent overheating. Avoid placing it near heat sources or in direct sunlight.
- **Moisture:** Do not expose the device to water, moisture, or excessive humidity.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to open or repair the amplifier yourself. Refer all servicing to qualified personnel.
- **Speaker Impedance:** Ensure your passive speakers have an impedance between 4-16Ω.

3. Package Contents

Please check the package for the following items:

- Nobsound Mini Bluetooth 5.0 Digital Power Amplifier (GFJ801_NEW)
- Power Adapter (DC 9-20V)
- USB-C Cable
- 3.5mm AUX Audio Cable

- User Manual (this document)

4. Product Overview

The Nobsound Mini Amplifier features a compact design with intuitive controls and multiple input options.



Image 1: Front view of the Nobsound Mini Bluetooth 5.0 Digital Power Amplifier. It shows the central volume knob with an integrated power button, surrounded by LED indicators for USB, AUX, Power, and Bluetooth inputs. A USB-C port is visible on the left side panel.

4.1 Front Panel Controls and Indicators

- **ON / OFF / VOLUME Knob:** This central knob controls the power and volume. Press to turn on/off. Rotate to adjust the volume level.
- **USB Indicator:** Lights up when USB input is selected and active.
- **AUX Indicator:** Lights up when 3.5mm AUX input is selected and active.
- **POWER Indicator:** Lights up when the amplifier is powered on.

- **BT (Bluetooth) Indicator:** Lights up when Bluetooth input is selected and active. Flashes during pairing.

4.2 Side and Rear Panel Connections

- **USB-C Input:** Located on the side panel for connecting to computers or smartphones (with OTG function).
- **3.5mm AUX Input:** Located on the rear panel for connecting audio devices via a 3.5mm cable.
- **Speaker Output Terminals:** Located on the rear panel for connecting passive speakers (left and right channels).
- **DC Power Input:** Located on the rear panel for connecting the power adapter.

5. Setup

Follow these steps to set up your Nobsound Mini Amplifier:

1. **Connect Speakers:** Connect your passive speakers to the speaker output terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker.
2. **Connect Audio Source:**
    - **For AUX Input:** Connect your audio device (e.g., CD player, TV) to the 3.5mm AUX input using the provided 3.5mm audio cable.
    - **For USB Input:** Connect your computer or OTG-enabled smartphone to the USB-C port on the side panel using the provided USB-C cable. No driver installation is typically required for computers.
    - **For Bluetooth Input:** No physical connection is needed initially. Proceed to the operating instructions for pairing.
3. **Connect Power:** Ensure the volume knob is in the OFF position (fully counter-clockwise). Connect the power adapter to the DC power input on the rear panel, then plug the adapter into a wall outlet.

6. Operating Instructions

1. **Power On:** Press the central volume knob to turn on the amplifier. The POWER indicator will light up.
2. **Select Input:** The amplifier automatically detects and switches to the active input. If multiple inputs are connected, you may need to cycle through them by briefly pressing the volume knob or disconnecting unused sources. The corresponding indicator (USB, AUX, BT) will light up.
3. **Adjust Volume:** Rotate the central volume knob clockwise to increase volume and counter-clockwise to decrease volume.
4. **Bluetooth Pairing:**
    - Ensure the amplifier is in Bluetooth mode (BT indicator flashing). If not, select Bluetooth input.
    - On your audio device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
    - Select "Nobsound" or a similar name from the list.
    - Once paired, the BT indicator will stop flashing and remain solid. You can now play audio from your device.
5. **Power Off:** Press the central volume knob again to turn off the amplifier. The POWER indicator will turn off.

7. Maintenance

- **Cleaning:** Regularly wipe the amplifier's exterior with a soft, dry, lint-free cloth. Avoid abrasive materials or chemical cleaners.
- **Ventilation:** Ensure the ventilation openings are not blocked to prevent heat buildup.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	Power adapter not connected; power outlet not working; amplifier off.	Check power connections; try a different outlet; press the volume knob to turn on.
No sound	Incorrect input selected; volume too low; speaker wires loose; audio source issue.	Verify input selection; increase volume; check speaker connections; test audio source with another device.
Bluetooth connection issues	Not in pairing mode; device too far; interference; previously paired device connected.	Ensure BT indicator is flashing; move device closer; restart amplifier and device; disconnect from other Bluetooth devices.
Distorted sound	Volume too high; poor audio source quality; speaker impedance mismatch.	Reduce volume; use a higher quality audio source; ensure speakers are 4-16Ω.
Volume control does not go very low	Characteristic of the digital volume control.	This is a known characteristic. For very low listening levels, adjust the volume on your audio source device.
Small spark when plugging in power	Normal capacitor charging.	This is normal and does not indicate a fault.

9. Specifications

- **Model:** GFJ801_NEW
- **Brand:** Nobsound
- **Audio Inputs:** 3.5mm AUX, USB, Bluetooth 5.0
- **Output Power:** 68W x 2 (into 4-16Ω speakers)
- **Number of Channels:** 2 (Stereo)
- **Supply Voltage:** DC 9-20V
- **Dimensions (L x W x H):** 2.17 x 1.57 x 2.36 inches (5.5 x 4.0 x 6.0 cm)
- **Item Weight:** 1.08 pounds (0.49 kg)
- **Material:** Wood (housing)
- **Compliance:** FCC

10. Warranty and Support

Nobsound products are designed for reliability and performance. For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Nobsound website. If you encounter any issues not covered in this manual, please contact Nobsound customer service for assistance.

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