

Nobsound DZ086-NEW

Nobsound HiFi 5.1 Channel Bluetooth Amplifier User Manual

Model: DZ086-NEW

Brand: Nobsound

1. INTRODUCTION

Thank you for choosing the Nobsound M5.1 HiFi 5.1 Channel Bluetooth Amplifier. This amplifier is designed to provide an immersive home theater audio experience with versatile connectivity options and powerful output. This manual will guide you through the setup, operation, and maintenance of your new amplifier to ensure optimal performance and longevity.

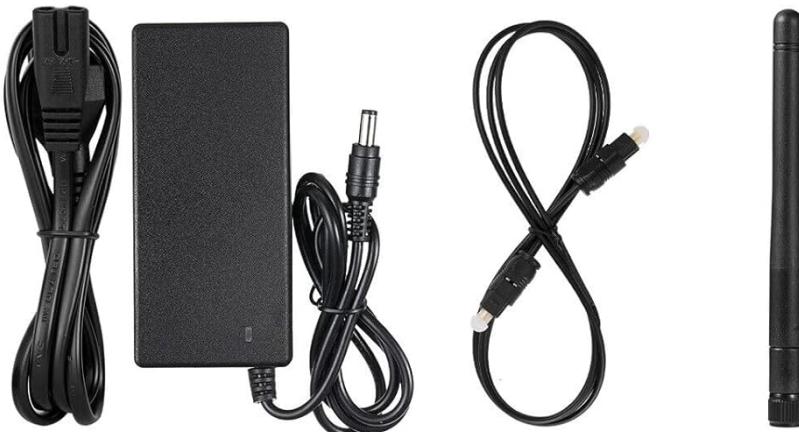
2. WHAT'S IN THE Box

- M5.1 Amplifier
- 24V/6A Power Adapter
- Optical Cable
- Bluetooth Antenna
- User Manual

PACKING LIST



1*M5.1 Digital Amplifier



Net Weight

1.3Kg/2.87lb

Package Weight

1.8Kg/3.97lb

1*24V/6A Power Adapter

1*Optical Cable

1*Bluetooth Antenna

Figure 2.1: Package Contents. This image displays all items included in the Nobsound M5.1 amplifier package, neatly laid out for easy identification.

3. PRODUCT OVERVIEW

3.1 Front Panel

The front panel features various controls and indicators for easy operation:

- Input Selection Buttons:** USB, BT (Bluetooth), OPT (Optical), COAX (Coaxial), RCA (2.0 Channel), 5.1 (5.1 Channel RCA). Press to switch between audio sources.
- Mode Button:** Switches between 2.1 and 5.1 channel outputs.
- Playback Controls:** Previous, Play/Pause, Next (for USB input).
- Volume Knobs:** Independent controls for Subwoofer, Center, Surround, Front channels, and a large Master Volume knob.
- Tone Controls:** Bass and Treble adjustment knobs.
- USB Port:** For connecting USB drives for audio playback.



Figure 3.1: Front Panel Layout. This image provides a clear view of the amplifier's front panel, highlighting the various input selection buttons, volume controls, and tone adjustments.

3.2 Rear Panel

The rear panel houses all input and output connections:

- **RF Antenna Connector:** For the Bluetooth antenna.
- **Digital Inputs:** OPT IN (Optical), COAX IN (Coaxial).
- **Analog Inputs:** 2.0 CH IN (RCA stereo input), 5.1 CH IN (RCA multi-channel input).
- **Sub Out:** RCA output for connecting an active subwoofer.
- **Speaker Outputs:** Banana speaker jacks for Front (F-L, F-R), Surround (S-L, S-R), Center (CEN), and Subwoofer (SUB).
- **Power Inputs:** MAIN and VICE DC 15V-24V inputs for power adapters.



Figure 3.2: Rear Panel Connections. This image illustrates the rear panel of the amplifier, detailing the various audio input and output ports, as well as the power connections.

4. SETUP

4.1 Connecting Speakers

1. Ensure the amplifier is powered off and unplugged.
2. Connect your passive speakers to the corresponding banana speaker jacks on the rear panel: Front Left (F-L), Front Right (F-R), Surround Left (S-L), Surround Right (S-R), Center (CEN), and Subwoofer (SUB). Ensure correct polarity (+ to + and - to -).
3. If using an active subwoofer, connect its input to the "SUB OUT" RCA port on the amplifier.

4.2 Connecting Audio Sources

Choose one of the following methods to connect your audio source:

- **Bluetooth:** Attach the provided Bluetooth antenna to the RF connector.
- **Optical/Coaxial:** Connect your device (e.g., TV, game console) to the OPT IN or COAX IN ports using an optical or coaxial cable.
- **RCA 2.0 Channel:** Connect stereo audio devices (e.g., CD player, turntable with pre-amp) to the 2.0 CH IN RCA ports.
- **RCA 5.1 Channel:** For true 5.1 surround sound from a compatible source (e.g., Blu-ray player), connect the multi-channel RCA outputs to the 5.1 CH IN ports.
- **USB:** Insert a USB flash drive containing audio files into the front USB port.



Figure 4.1: Connection Diagram. This diagram illustrates how to connect various audio sources and speakers to the Nobsound M5.1 amplifier for different configurations.

4.3 Power Connection

Connect the provided 24V/6A power adapter to either the MAIN or VICE DC 15V-24V input on the rear panel. For higher power demands or to drive larger speakers/subwoofers, you may connect a second compatible power adapter to the other input.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

After all connections are made, plug the power adapter(s) into a wall outlet. The amplifier will power on. To turn off, unplug the power adapter(s).

5.2 Input Selection

Press the corresponding input selection button (USB, BT, OPT, COAX, RCA, 5.1) on the front panel to choose your desired audio source. The active input will be indicated by an LED light.

5.3 Volume Controls

- **Master Volume:** The large red knob controls the overall output volume.
- **Individual Channel Volumes:** Adjust the Subwoofer, Center, Surround, and Front knobs to balance the sound levels of each channel according to your preference and room acoustics.

- **Bass/Treble:** Use these knobs to fine-tune the low and high frequencies of the audio output.

5.4 Bluetooth Pairing

1. Select the "BT" input on the amplifier. The Bluetooth indicator light will flash, indicating it's in pairing mode.
2. On your device (smartphone, tablet, computer), enable Bluetooth and search for available devices.
3. Select "Nobsound M5.1" from the list. Once paired, the Bluetooth indicator light will remain solid.

5.5 USB Playback

Insert a USB flash drive into the front USB port. The amplifier will automatically switch to USB input and begin playing supported audio files. Use the playback control buttons (Previous, Play/Pause, Next) to navigate your music.

5.6 2.1 vs 5.1 Channel Output

Press the "MODE" button on the front panel to switch between 2.1 channel and 5.1 channel output modes. This allows you to optimize the sound distribution based on your speaker setup and content.

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Video 5.1: Nobsound 5.1 Channel Bluetooth Amp Overview. This video provides a visual demonstration of the Nobsound M5.1 amplifier, showcasing its design, front panel controls, and rear panel connections, offering a comprehensive look at the product's features and functionality.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure adequate ventilation around the amplifier to prevent overheating. Do not block ventilation openings.
- **Environment:** Keep the amplifier away from direct sunlight, heat sources, excessive dust, moisture, and strong electromagnetic fields.
- **Power Off:** Always power off and unplug the amplifier before cleaning or making any connections/disconnections.

7. TROUBLESHOOTING

• No Sound:

- Check all cable connections (power, input, speaker).
- Ensure the correct input source is selected on the amplifier.
- Verify that the volume is turned up on both the amplifier and the audio source.
- Check speaker wire polarity and ensure no bare wires are touching.

• Distorted Sound:

- Reduce the volume.
- Check if the audio source is sending a clean signal.
- Ensure speakers are correctly rated for the amplifier's output.

• Bluetooth Connection Issues:

- Ensure the Bluetooth antenna is securely attached.

- Make sure the amplifier is in Bluetooth input mode.
- Delete "Nobsound M5.1" from your device's Bluetooth list and try pairing again.
- Move your device closer to the amplifier.

- **Popping Sound (especially from surround/bass outputs):**

- Some outputs may enter a low-power sleep mode if no input is detected for a period. A slight pop may occur when they reactivate. This is generally normal operation.
- Ensure stable power supply.

- **USB Playback Not Working:**

- Ensure the USB drive is formatted correctly (FAT32 is commonly supported).
- Check that the audio files are in a supported format (e.g., MP3, WAV, APE, FLAC, WMA).
- Try a different USB drive.

8. SPECIFICATIONS

Feature	Specification
Model Number	DZ086-NEW
Package Dimensions	15.94 x 8.27 x 3.11 inches
Item Weight	4.11 pounds
Manufacturer	Nobsound
Power Output (Front/Surround)	50W+50W
Power Output (Center/Subwoofer)	50W
Bluetooth Version	5.0
Input Options	Bluetooth 5.0, Coaxial, Optical, USB, 2.0 Channel RCA, 5.1 Channel RCA
Power Input	DC 15V-24V (Dual Inputs)

9. WARRANTY AND SUPPORT

Nobsound products are designed for reliability and performance. For warranty information and technical support, please refer to the warranty card included with your product or visit the official Nobsound website. You can also contact the seller directly for assistance.

For further inquiries or support, please visit the [Nobsound Store on Amazon](#).