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› Nobsound TA-21 PRO 2 Channel Bluetooth Amp Receiver User Manual

Nobsound DZ100

Nobsound TA-21 PRO 2 Channel Bluetooth Amp Receiver User Manual

Model: DZ100

INTRODUCTION

Thank you for purchasing the Nobsound TA-21 PRO 2 Channel Bluetooth Amp Receiver. This high-performance stereo digital amplifier is designed to deliver exceptional audio quality for your wired speakers and home audio system. Featuring a TPA3255 chip and Digital Sound Processing (DSP), it offers powerful and clear sound with versatile connectivity options.

This manual provides detailed instructions for setting up, operating, and maintaining your amplifier to ensure optimal performance and longevity.



Image: Front view of the Nobsound TA-21 PRO amplifier, showcasing its compact black design with a silver front panel, digital display, and control knobs.

SAFETY INFORMATION

- Ensure the power supply voltage matches the requirements specified for the amplifier.
- Do not expose the unit to water, moisture, or extreme temperatures.
- Avoid placing the amplifier in direct sunlight or near heat sources.
- Do not open the casing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Keep the unit away from strong magnetic fields.
- Disconnect power before cleaning or when not in use for extended periods.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Nobsound TA-21 PRO Digital Amplifier
- 1 x 32V/5A Power Supply
- 1 x User Manual (this document)

PACKING LIST



1*TA-21 PRO Digital Amplifier

Net Weight
400g/0.88lb

Package Weight
1.0kg/2.20lb

1*32V/5A Power Supply

Image: Contents of the Nobsound TA-21 PRO package, showing the amplifier unit, power supply, and power cable.

PRODUCT OVERVIEW

The Nobsound TA-21 PRO features a compact design with intuitive controls and essential connectivity ports.

Front Panel

- **O/E Button:** Long press for Power On/Off. Short press to select DSP effect.
- **Indicator Light:** Red for Standby/Working status (chip overload protection). Blue for Bluetooth (flashing: waiting for connection; steady: successful connection). Green for AUX input.
- **Volume Display:** Digital display showing the current volume level.
- **Volume Knob:** Rotates to adjust volume.

Rear Panel

- **Speaker Output (R/L):** Binding posts for connecting passive speakers.

- **AUX Input:** 3.5mm audio input for wired devices.
- **DC 24V-48V IN:** Power input port.



Image: Detailed diagram of the Nobsound TA-21 PRO's front and rear panels, labeling all buttons, indicators, display, volume knob, speaker outputs, AUX input, and power input.

Advanced design and perfect details

DC 24V-48V wide working voltage, easy to use at home or on the road.

With complete protection circuits, input indicators and volume display screen
to make it easier to use, powerful and practical.

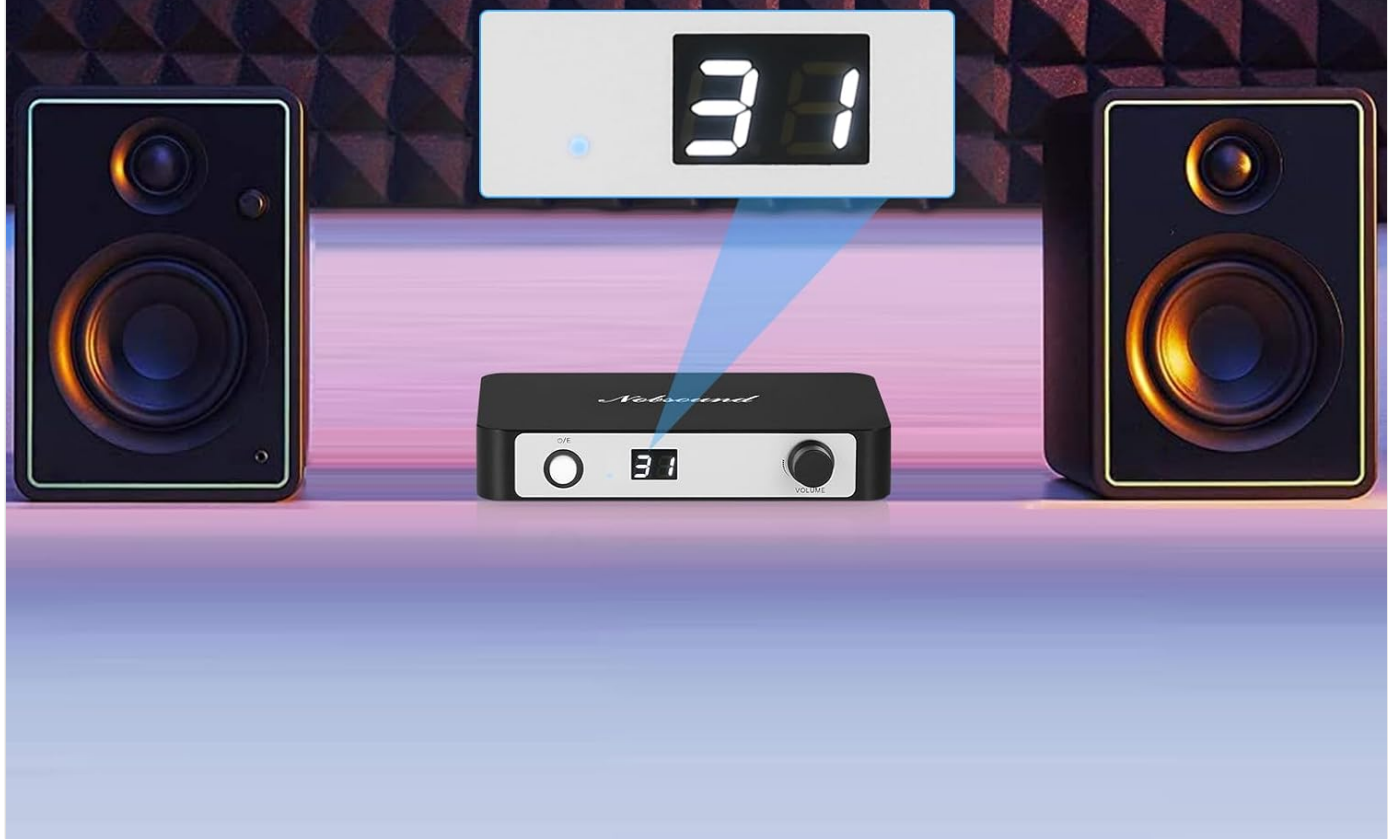


Image: Close-up view of the Nobsound TA-21 PRO's front panel, highlighting the digital volume display and the power/DSP button.

SETUP

1. **Connect Speakers:** Connect your passive speakers to the speaker output binding posts on the rear panel. Ensure correct polarity (red to red, black to black) for both left (L) and right (R) channels.
2. **Connect Audio Source:**
 - **AUX Input:** Connect your audio device (e.g., TV, computer, CD player) to the 3.5mm AUX input on the rear panel using an audio cable.
 - **Bluetooth:** For wireless connection, ensure no AUX cable is connected. The amplifier will automatically prioritize the AUX input if a cable is detected.
3. **Connect Power:** Connect the provided 32V/5A power supply to the DC 24V-48V IN port on the rear panel, then plug the power supply into a wall outlet.
4. **Power On:** Long press the O/E button on the front panel to power on the amplifier. The indicator light will illuminate.

2 kinds of audio inputs

Besides Bluetooth, also with 3.5mm AUX input, can match well with many audio devices such as phones, tablets, TV, computers etc. to greatly improve sound quality, exclusively designed for audiophiles who pursue HiFi sound.



Image: Illustration showing the Nobsound TA-21 PRO connected to a laptop via AUX and a smartphone via Bluetooth, demonstrating its dual input capabilities.

OPERATING INSTRUCTIONS

Power On/Off

Long press the **O/E** button on the front panel to turn the amplifier on or off.

Volume Control

Rotate the **VOLUME** knob clockwise to increase volume and counter-clockwise to decrease volume. The current volume level will be shown on the digital display.

Your browser does not support the video tag.

Video: A demonstration of the Nobsound TA-21 PRO amplifier in use, showing the power button and volume knob being adjusted while connected to speakers.

Input Selection

The amplifier automatically prioritizes the AUX input. If an AUX cable is connected, the amplifier will use the AUX input (Green indicator light). If no AUX cable is connected, the amplifier will switch to Bluetooth mode (Blue indicator light).

Bluetooth Pairing

1. Ensure no AUX cable is connected to the amplifier. The blue indicator light will flash, indicating it is in pairing mode.
2. On your Bluetooth-enabled device (e.g., smartphone, tablet), search for Bluetooth devices.
3. Select "Nobsound TA-21 PRO" (or similar name) from the list of available devices.
4. Once paired, the blue indicator light will become steady. You can now play audio wirelessly through the amplifier.

Enhanced wireless connection and DSP effects

Adopts advanced Bluetooth 5.0 chip to achieve lossless and stable transmission, enjoy Hi-Fi sound quality within 10M distance.

With built-in DSP (digital sound processing) to get better sound effects,



Image: Visual representation of the Nobsound TA-21 PRO's enhanced wireless connection via Bluetooth 5.0 and its built-in DSP effects, shown with a smartphone and speakers.

DSP Effects

Short press the **O/E** button to cycle through the built-in Digital Sound Processing (DSP) effects. Experiment with different effects to find your preferred sound profile.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or abrasive chemicals.
- **Ventilation:** Ensure proper ventilation around the unit. Do not block any ventilation openings.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet not working; Amplifier not turned on.	Check power cable connection; Try a different outlet; Long press O/E button to power on.
No sound	Incorrect input selected; Volume too low; Speakers not connected properly; Audio source issue.	Ensure correct input (AUX/Bluetooth); Increase volume; Check speaker connections and polarity; Verify audio source is playing.
Bluetooth not connecting	AUX cable connected; Amplifier not in pairing mode; Device too far; Previously paired device connected.	Disconnect AUX cable; Ensure blue indicator is flashing; Move device closer; Disconnect from other Bluetooth devices.
Sound distortion / Chip overload	Volume too high; Speaker impedance mismatch; Overheating.	Reduce volume; Ensure speakers are 4Ω or 8Ω; Ensure proper ventilation. If red indicator is on, power cycle the unit.
Audio delay (AUX input)	Source device processing delay; Amplifier internal processing.	This can sometimes occur with certain source devices. Try adjusting audio settings on the source device (e.g., TV audio output format).

SPECIFICATIONS

Feature	Detail
Model Number	DZ100
Amplifier Chip	TI TPA3255
Output Power	300W x 2 (at 4Ω)
Distortion	< 0.005%
Bluetooth Version	5.0

Feature	Detail
Bluetooth Range	Up to 10 meters (33 feet)
Audio Inputs	Bluetooth, 3.5mm AUX
Working Voltage	DC 24V-48V
Product Dimensions	24 x 5.31 x 0.94 inches (60.96 x 13.49 x 2.39 cm)
Item Weight	2.01 pounds (0.91 kg)
Color	Black



Image: Diagram highlighting the TPA3255 chip, emphasizing its role in providing high-performance amplification with low distortion.

WARRANTY AND SUPPORT

Nobsound products are designed for reliability and performance. For warranty information and technical support, please refer to the official Nobsound website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may visit the [Nobsound Store on Amazon](#).

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