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PROZOR LNKPRR031uk

PROZOR Bluetooth 5.2 DAC Amplifier (Model LNKPRR031uk) User Manual

Model: LNKPRR031uk

1. Introduction

Thank you for purchasing the PROZOR Bluetooth 5.2 DAC Amplifier. This device is designed to provide high-quality audio amplification for your passive speakers, offering versatile input options including Bluetooth, Optical, RCA, and 3.5mm AUX. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your amplifier.

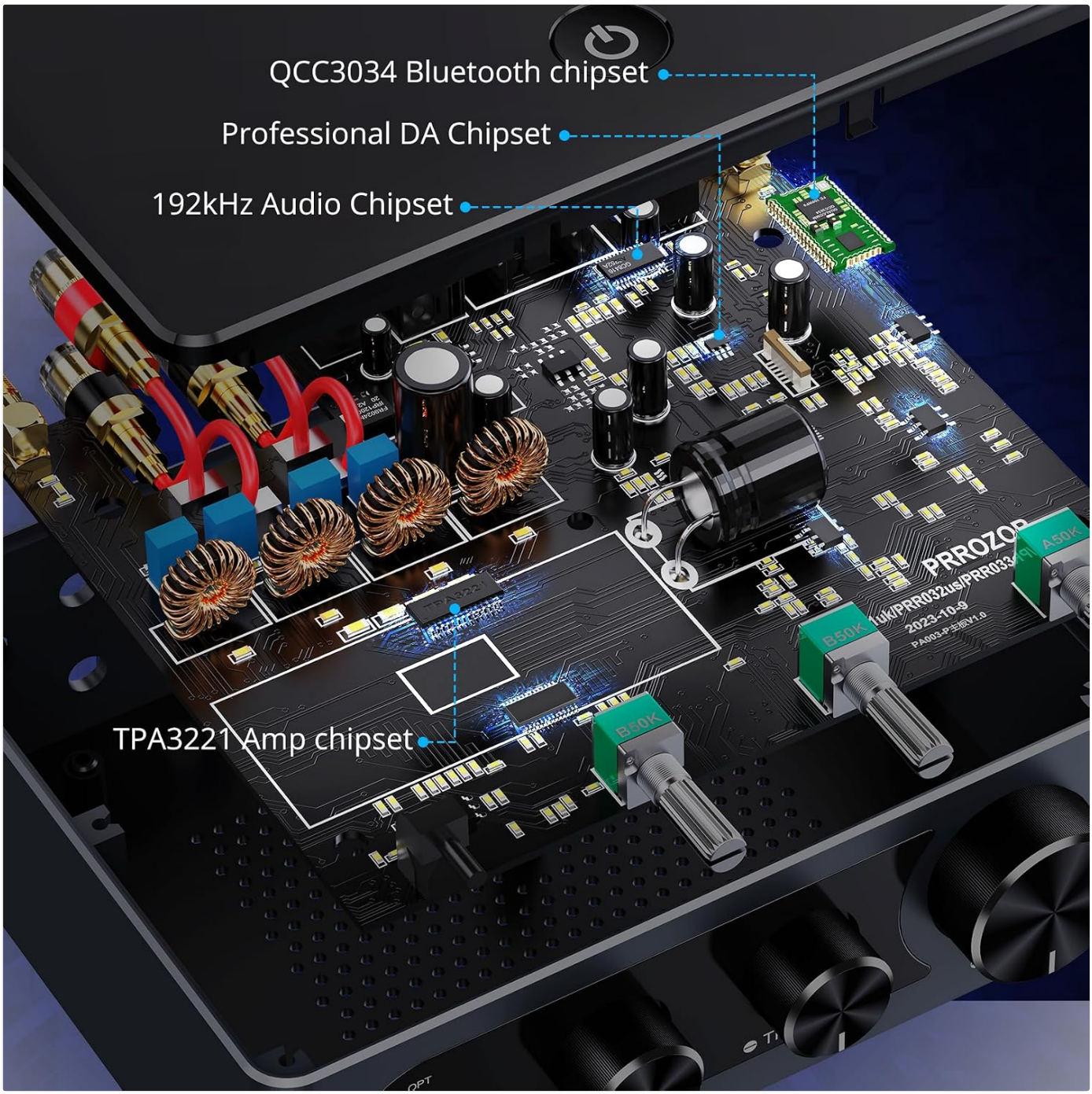


Image 1.1: Front view of the PROZOR Bluetooth 5.2 DAC Amplifier. The device features a sleek black design with two antennas, a power button, input selector, bass, treble, and volume knobs.

2. Package Contents

Please check the package carefully to ensure all items are present:

- 1 x PROZOR Bluetooth Audio Amplifier with rotating antenna
- 1 x 24V/4.5A Power Supply
- 1 x AC Power Cord
- 1 x Optical Cable (2m/6ft)
- 1 x User's Manual (this document)



Image 2.1: All items included in the PROZOR amplifier package. Shown are the amplifier unit, power adapter, AC cord, optical cable, and user manual.

3. Product Features

- **Multiple Input Options:** Supports Bluetooth 5.2, Optical, RCA, and 3.5mm AUX inputs for broad compatibility.
- **Bluetooth 5.2 with Advanced Codecs:** Features QCC3034 chipset supporting aptX-HD, aptX, AAC, and SBC for high-quality wireless audio. Real-time LED indicator for active Bluetooth format.
- **Built-in 192kHz DAC:** Converts digital optical signals to analog stereo, compatible with TVs and gaming consoles (set output to PCM/LPCM).
- **Powerful Class D Output:** TI TPA3221 amplifier delivers 100W x 2 channels at 4Ω, driving 3-8Ω passive speakers. Includes bass and treble controls.
- **Smart Controls:** Dedicated input selector, top-mounted power button, and startup memory function to restore last-used state.
- **Modern Compact Design:** Brushed aluminum body with acrylic top panel, dual antennas for enhanced Bluetooth stability, and codec display.



Image 3.1: Internal view of the amplifier highlighting key chipsets: QCC3034 Bluetooth chipset, Professional DA Chipset, 192kHz Audio Chipset, and TPA3221 Amp chipset.

4. Product Layout and Controls

4.1 Front Panel



Image 4.1: Detailed view of the amplifier's front panel. It shows the power button, input selector (BT/OPT/RCA), Bass control, Treble control, and Volume control. LED indicators for SBC, AAC, APTX, and APTX HD are also visible.

1. **Power Button:** Press to turn the amplifier on or off.
2. **Input Selector:** Rotate to select between Bluetooth (BT), Optical (OPT), and RCA/AUX inputs.
3. **Bass Control:** Adjusts the low-frequency output.
4. **Treble Control:** Adjusts the high-frequency output.
5. **Volume Control:** Adjusts the overall output volume.
6. **Bluetooth Codec Indicators:** LEDs for SBC, AAC, APTX, APTX HD illuminate to show the active Bluetooth audio codec.

4.2 Rear Panel

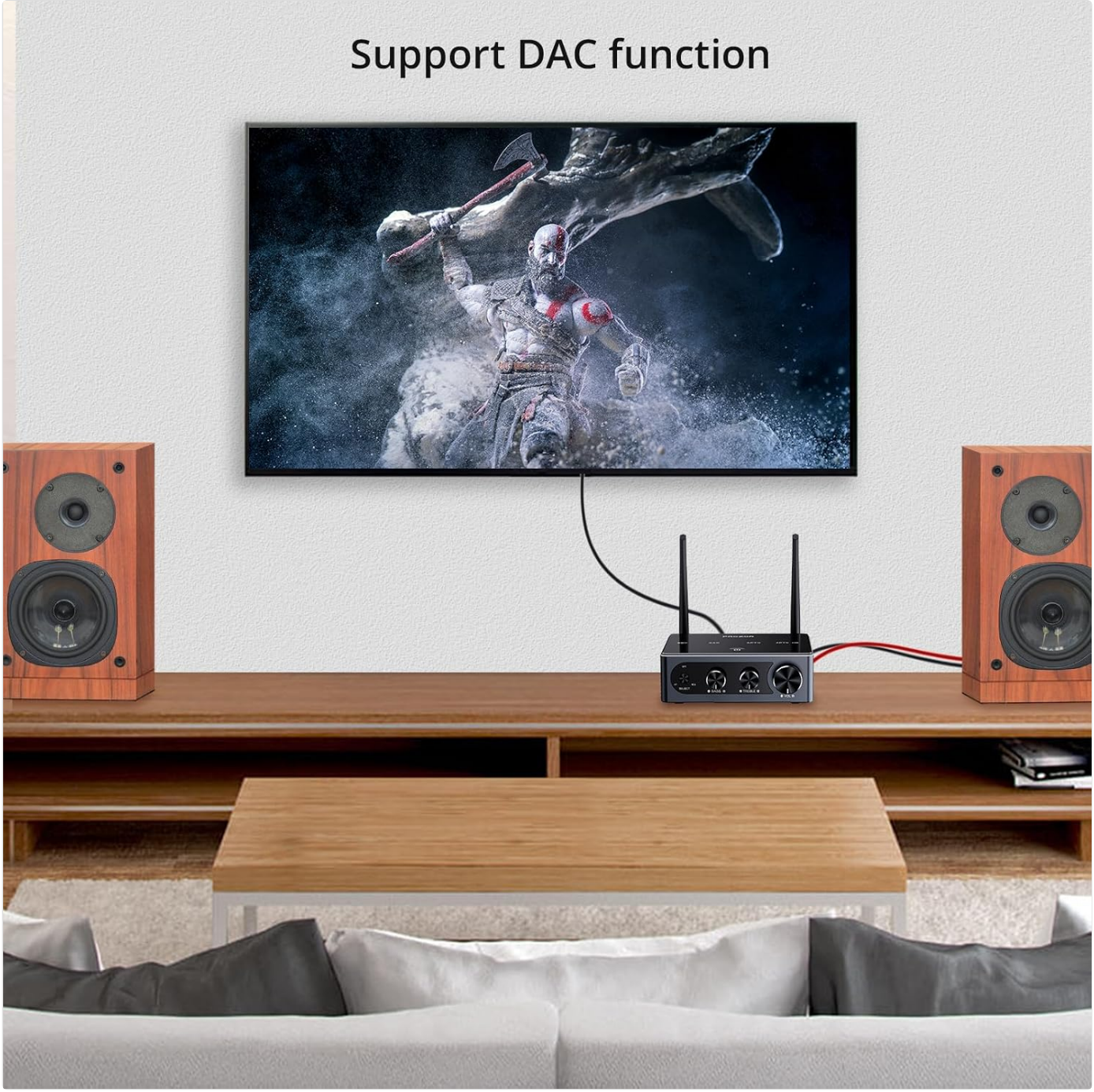


Image 4.2: Rear panel connections of the amplifier. From left to right: Optical input, RCA L/R inputs, 3.5mm AUX input, DC power input, and speaker output terminals (R/L).

1. **OPT (Optical) Input:** For connecting devices with optical digital audio output (e.g., TV, game console).
2. **RCA (L/R) Input:** For connecting devices with analog RCA audio output (e.g., CD player, turntable with preamp).
3. **AUX (3.5mm) Input:** For connecting devices with 3.5mm audio output (e.g., smartphone, PC).
4. **DC 18-30V Power Input:** Connect the provided 24V/4.5A power adapter here.
5. **SPK OUT (R/L) Speaker Outputs:** Connect your passive speakers here. Ensure correct polarity (+ to + and - to -).
6. **Antenna Connectors:** Attach the provided Bluetooth antennas for optimal wireless range and stability.

5. Setup Instructions

Follow these steps to set up your PROZOR amplifier:

5.1 Connect Speakers

1. Ensure the amplifier is powered off.

2. Connect your passive speakers (3-8Ω impedance) to the "SPK OUT R" and "SPK OUT L" terminals on the rear panel.
3. Observe correct polarity: connect the positive (+) terminal of the speaker to the positive (+) terminal of the amplifier, and the negative (-) terminal of the speaker to the negative (-) terminal of the amplifier.

5.2 Connect Audio Sources

Choose one of the following input methods:

- **Optical Input:** Connect an optical cable from your TV, CD player, or game console's optical output to the "OPT" input on the amplifier.
- **RCA Input:** Connect RCA cables from your audio source (e.g., CD player, turntable with built-in preamp) to the "R" and "L" RCA inputs on the amplifier.
- **3.5mm AUX Input:** Connect a 3.5mm audio cable from your smartphone, tablet, or PC to the "AUX" input on the amplifier.
- **Bluetooth Input:** No physical connection needed. You will pair your device later (see Section 6.4).



Image 5.1: Diagram illustrating various input and output connections for the amplifier, including Bluetooth, Optical, RCA, 3.5mm AUX inputs, and passive speaker

outputs.

5.3 Connect Power

1. Connect the DC plug of the 24V/4.5A power adapter to the "DC 18-30V" input on the amplifier's rear panel.
2. Connect the AC power cord to the power adapter, then plug the AC cord into a wall outlet.

Note: *Always connect the power adapter to the amplifier first before plugging it into the wall outlet.*

6. Operating Instructions

6.1 Power On/Off

Press the power button on the front panel to turn the amplifier on or off. The amplifier will remember the last used input and settings.

6.2 Input Selection

Rotate the "SELECT" knob on the front panel to choose your desired audio input: Bluetooth (BT), Optical (OPT), or RCA/AUX. The corresponding input indicator will light up.

6.3 Volume, Bass, and Treble Adjustment

- **Volume:** Rotate the "VOL" knob to increase or decrease the overall audio output level.
- **Bass:** Rotate the "BASS" knob to adjust the low-frequency response according to your preference.
- **Treble:** Rotate the "TREBLE" knob to adjust the high-frequency response according to your preference.

6.4 Bluetooth Pairing

1. Turn on the amplifier and select "BT" input using the input selector. The Bluetooth indicator will start blinking, indicating it's in pairing mode.
2. On your smartphone, tablet, or computer, enable Bluetooth and search for new devices.
3. Select "PROZOR Amplifier" (or similar name) from the list of available devices.
4. Once connected, the Bluetooth indicator will stop blinking and remain solid. The active codec (SBC, AAC, APTX, APTX HD) will be displayed.
5. You can now play audio from your device through the amplifier.

6.5 Optical Input Configuration (Important for TVs)

When using the optical input with a TV or other digital source, you may need to adjust the audio output settings on your source device:

- Navigate to your TV's audio settings menu.
- Set the Digital Audio Output format to**PCM** or **LPCM**. The amplifier does not support Dolby Digital or DTS formats directly via optical input.

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Video 6.1: Official product video demonstrating the PROZOR Hi-Fi Amplifier's features and connectivity. This video provides a visual guide to the amplifier's capabilities and setup.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's surface. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.

- **Power:** Disconnect the power adapter from the wall outlet if the amplifier will not be used for an extended period.
- **Environment:** Avoid exposing the amplifier to extreme temperatures, humidity, dust, or direct sunlight.

8. Troubleshooting

Problem	Possible Cause	Solution
No sound output	• Power not connected • Incorrect input selected • Volume too low • Speakers not connected or faulty • Source device not playing or volume too low	• Check power connection and power on amplifier • Select the correct input source • Increase amplifier and source device volume • Check speaker connections and test speakers • Ensure source device is playing audio
Bluetooth not connecting	• Amplifier not in pairing mode • Device too far • Interference	• Select BT input, ensure indicator is blinking • Move device closer to amplifier • Remove other Bluetooth devices or sources of interference • Try forgetting the device on your phone and re-pairing
Optical input no sound	• TV/source output format incorrect • Optical cable faulty or loose	• Set TV/source digital audio output to PCM/LPCM • Check optical cable connection, try a different cable
Distorted sound	• Volume too high (clipping) • Poor cable connection • Source audio quality	• Reduce volume on amplifier and source • Check all audio cable connections • Test with a different audio source

9. Specifications

Feature	Detail
Brand	PROZOR
Model Number	LNKPRR031uk
Bluetooth Version	5.2 (QCC3034 Chipset)
Bluetooth Codecs	aptX-HD, aptX, AAC, SBC
Audio Inputs	Optical, RCA, 3.5mm AUX, Bluetooth
Output Power	100W x 2 (at 4Ω)
Speaker Impedance	3-8Ω
DAC Sample Rate	Up to 192kHz/24Bit
Amplifier Chip	TI TPA3221
Power Supply	DC 24V/4.5A

Feature	Detail
Item Weight	1300 g

10. Warranty and Support

This PROZOR amplifier comes with an**18-month warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact PROZOR customer service through the official PROZOR store on Amazon or visit the PROZOR website.

PROZOR Store Link: Visit the PROZOR Store

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.

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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