

AUNA Amp-Pro1 BT

AUNA Pro Amp-Pro1 BT PA Amplifier User Manual

Model: Amp-Pro1 BT (JO2-AMP-PRO1)

1. INTRODUCTION

Thank you for choosing the AUNA Pro Amp-Pro1 BT PA Amplifier. This amplifier is designed to deliver professional-level sound for various events, including karaoke nights, parties, and general audio amplification. It features a robust 2 x 50W RMS output, Bluetooth connectivity, multiple microphone inputs, USB/SD media playback, and a 7-band equalizer for precise sound control. This manual provides essential information for safe operation, setup, and maintenance of your device.

2. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before operating the device and keep them for future reference. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Power Supply:** Connect the device only to a 230 V, 50 Hz AC power outlet. Ensure the power cord is not damaged or pinched.
- **Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the unit to prevent overheating. Do not place the amplifier on soft surfaces that may block vents.
- **Water and Moisture:** Do not expose the device to rain or moisture. Do not place objects filled with liquids, such as vases, on or near the amplifier.
- **Heat Sources:** Keep the amplifier away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Unplug the device from the power outlet before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening the unit may expose you to dangerous voltages or other hazards.
- **Object and Liquid Entry:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
- **Placement:** Place the unit on a stable, level surface. Avoid placing it in direct sunlight or in areas with high humidity or dust.

3. PRODUCT OVERVIEW

The AUNA Pro Amp-Pro1 BT is a versatile PA amplifier designed for powerful audio output and flexible connectivity. It can be used as a standalone unit or installed in a 19-inch Hi-Fi rack.

Key Features:

- **Powerful Output:** 2 x 50 W RMS power at 4 ohms.
- **Bluetooth Function:** For wireless audio streaming from smartphones, tablets, or laptops.
- **Multiple Microphone Inputs:** Three fully adjustable 6.3 mm jack microphone inputs for karaoke and vocal performances.
- **Media Playback:** USB port and SD/MMC card slot for direct playback of digital audio files.
- **7-Band Equalizer:** Two-channel, 7-band equalizer for precise adjustment of treble, bass, and mid-range frequencies.
- **Extensive Connectivity:** 2 x stereo RCA inputs, 1 x antenna input, 1 x 3.5 mm AUX input, and 2 x stereo speaker outputs.
- **Rack Mountable:** Suitable for installation in a 19-inch Hi-Fi rack.

Front Panel Controls and Connections:

The front panel provides access to power, microphone inputs, media playback controls, and sound adjustments.



VOLLE POWER

Kraftvolle Ausgangsleistung von
2 x 50 Watt RMS an 4 Ohm

Figure 3.1: Front panel of the AUNA Pro Amp-Pro1 BT amplifier, detailing microphone inputs, volume controls, equalizer, and media ports.

Rear Panel Connections:

The rear panel houses the main audio inputs and speaker outputs.



KONNEKTIVITÄT

2 x RCA-Stereo-Line-In,
1 x Antenneneingang, 1 x 3,5-mm-Aux-In
sowie 2 x Stereo-Lautsprecher-Ausgang

Figure 3.2: Rear panel connections, including stereo RCA inputs, antenna input, and speaker outputs.

4. SETUP AND CONNECTIONS

Follow these steps to set up your AUNA Pro Amp-Pro1 BT amplifier.

4.1 Connecting Speakers

1. Ensure the amplifier is turned off and unplugged from the power outlet.
2. Connect your passive speakers to the stereo speaker outputs on the rear panel. Use appropriate speaker cables.
3. For a single set of speakers, ensure their impedance is between 4 and 16 ohms.
4. If connecting two sets of speakers simultaneously, ensure their combined impedance is between 8 and 16 ohms.

4.2 Connecting Audio Sources

The amplifier offers various input options:

- **RCA Inputs:** Connect external audio devices like CD players, DVD players, or mixers to the 2 x stereo RCA inputs on the rear panel.
- **AUX Input:** For portable devices, use the 3.5 mm AUX input on the front panel.
- **USB/SD:** Insert a USB stick or SD/MMC card into the respective slots on the front panel for direct media playback.
- **Bluetooth:** For wireless audio streaming from compatible devices.

4.3 Connecting Microphones

Connect up to three 6.3 mm jack microphones to the dedicated inputs on the front panel.



FÜR KARAOKE-FANS

Mit drei komplett regelbaren
6,3-mm-Mikrofoneingängen

Figure 4.1: Microphone input section with individual volume and effect controls.

4.4 Power Connection

Once all audio and speaker connections are made, plug the amplifier's power cord into a suitable 230 V, 50 Hz AC power outlet.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the **POWER** button on the front panel to turn the amplifier on or off. The display will illuminate when the unit is powered on.

5.2 Source Selection

Use the **INPUT** selector button on the front panel to cycle through available audio sources: Bluetooth, USB, SD, AUX, and RCA inputs.

5.3 Bluetooth Operation

1. Select the Bluetooth input source using the **INPUT** button. The display will show 'BLUE' or a similar indicator.
2. Enable Bluetooth on your smartphone, tablet, or laptop.
3. Search for available devices and select 'AUNA Amp-Pro1 BT' (or similar) from the list.
4. Once paired, you can stream audio wirelessly to the amplifier.



Figure 5.1: Wireless and convenient Bluetooth streaming from a smartphone.

5.4 USB/SD Playback

1. Insert a USB stick or SD/MMC card into the corresponding slot on the front panel.
2. Select the USB or SD input source using the **INPUT** button. The amplifier will automatically detect and begin playing compatible audio files.
3. Use the playback controls (Play/Pause, Next, Previous) on the front panel to manage your music.



SPEICHERMEDIEN

USB-Sticks und SD/MMC-Speicherkarten können direkt am Verstärker angeschlossen werden

Figure 5.2: USB and SD/MMC memory card slots for direct media playback.

5.5 Microphone Controls

Each microphone input has individual volume, 3-band equalizer (treble, mid, bass), balance, and echo effect controls. The echo effect also has 2-band equalizer, repeat, delay, and volume controls.

- Adjust the **MIC VOL** knob for the overall microphone volume.
- Use the individual **VOL** knobs for each microphone input.
- Adjust the **LO**, **MID**, **HI** knobs for microphone equalization.
- Control the echo effect using the **ECHO**, **RPT** (Repeat), and **DEL** (Delay) knobs.

5.6 Equalizer Adjustment

The amplifier features a 2-channel, 7-band equalizer to fine-tune your audio output. Adjust the sliders for each frequency band (62Hz, 160Hz, 400Hz, 1KHz, 3KHz, 8KHz, 16KHz) to shape your sound.



DEIN SOUND

Höhen, Tiefen und Mitten komplett
regelbar per 2-Kanal 7-Band Equalizer

Figure 5.3: The 7-band equalizer allows for precise sound customization.

5.7 Master Volume Control

Adjust the large **MASTER VOLUME** knob to control the overall output level of the amplifier.

6. MAINTENANCE

6.1 Cleaning

Always unplug the amplifier before cleaning. Use a soft, dry cloth to wipe the exterior surfaces. Do not use abrasive cleaners, waxes, or solvents, as they may damage the finish.

6.2 Storage

If the amplifier will not be used for an extended period, unplug it from the power outlet and store it in a cool, dry place, away from direct sunlight and extreme temperatures.

6.3 Fuse Replacement

The amplifier is equipped with a 2A fuse. If the unit fails to power on, the fuse may need replacement. This should only be performed by qualified service personnel to ensure safety and proper operation.

7. TROUBLESHOOTING

If you experience issues with your amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cord unplugged; Power outlet faulty; Fuse blown	Check power cord connection; Try a different outlet; Contact service for fuse replacement.
No sound output	Incorrect input selected; Volume too low; Speakers not connected or faulty; Mute function active	Select correct input source; Increase Master Volume; Check speaker connections; Ensure no mute is active.
Bluetooth not connecting	Amplifier not in Bluetooth mode; Device not discoverable; Interference	Select Bluetooth input; Ensure Bluetooth is enabled on your device and in pairing mode; Move devices closer; Restart both devices.
Microphone not working	Microphone not connected; Microphone volume too low; Microphone faulty	Check microphone connection; Increase individual MIC VOL; Test with another microphone.
Distorted sound	Volume too high; Input signal too strong; Speaker impedance mismatch	Reduce Master Volume or input source volume; Check speaker impedance.

If the problem persists after trying these solutions, please contact customer support.

8. TECHNICAL SPECIFICATIONS

Below are the technical specifications for the AUNA Pro Amp-Pro1 BT PA Amplifier:

Feature	Specification
Output Power	2 x 50 W RMS at 4 ohms
Frequency Response	20 Hz - 20 kHz
Signal-to-Noise Ratio	> 76 dB
Speaker Impedance (1 set)	4 - 16 ohms
Speaker Impedance (2 sets synchronized)	8 - 16 ohms
Microphone Inputs	3 x 6.3 mm jack (front)
Audio Inputs	2 x stereo RCA, 1 x 3.5 mm AUX, USB, SD/MMC

Feature	Specification
Antenna Input	1 x antenna input
Speaker Outputs	2 x stereo (screw terminals/banana connector)
Power Supply	230 V, 50 Hz
Fuse	2 A
Dimensions (W x H x D)	Approx. 43 x 16.3 x 32.5 cm
Weight	Approx. 3.0 kg
Connectivity Technology	AUX, Bluetooth, USB
Compatible Devices	Laptop, Smartphone



Figure 8.1: Amplifier dimensions for placement and rack installation.

9. DISPOSAL INFORMATION

Do not dispose of this product with normal household waste. This product should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact your retailer. You can also visit the official AUNA website for further assistance.

