## LOXJIE A30

# LOXJIE A30 Desktop Stereo HiFi Audio Power Amplifier & Headphone Amplifier

Model: A30 | Brand: LOXJIE

## 1. Introduction

The LOXJIE A30 is a versatile 2.1 channel audio power amplifier designed for high-fidelity sound reproduction in various settings, including music, movies, and gaming. It integrates multiple input options and advanced audio components to deliver a pure and reliable audio experience. This manual provides detailed instructions for setting up, operating, and maintaining your A30 amplifier.




Figure 1: Front view of the LOXJIE A30 Desktop Stereo HiFi Audio Power Amplifier.

## 2. Key Features

- **Advanced MA12070 Chip:** Utilizes Infineon's highly efficient MA12070 audio power amplifier chip, featuring proprietary multi-level switching technology for optimized power loss, reduced EMI, and cool operation. This results in unparalleled energy efficiency and high-quality sound.

- **High-Resolution USB Audio Input:** Supports 32-bit/384 kHz USB audio input, offering driver-free compatibility with various devices such as mobile phones, tablets, and computers.
- **Bluetooth 5.0 Connectivity:** Enables wireless audio streaming throughout your home with Bluetooth 5.0 digital audio input, supporting APT-X for high-quality wireless sound.
- **Built-in EQ Modes:** Features 7 types of EQ mode presets, including a customizable mode, allowing users to easily adjust sound profiles to match different speakers and music genres. Presets include Direct, Tone, Bass, Super Bass, Rock, Soft, and Clear.
- **High-Quality Headphone Output:** Equipped with a 6.35mm headphone jack and 4mm banana output interface for versatile audio output. The output mode can be switched via the remote control's "Mode" button.
- **Durable Construction:** Features an all-aluminum integrated casting housing for lightweight durability, high rigidity to eliminate vibration, and improved electromagnetic shielding for pure sound. The tempered glass panel offers high transparency for clear display of the menu interface.




Figure 2: Overview of LOXJIE A30's core technologies and features.




Figure 3: Treble and Bass adjustment interface on the A30 display. Adjustments can be made in 1dB increments from -10dB to +10dB.




Figure 4: EQ Mode selection on the A30 display, offering various sound presets.

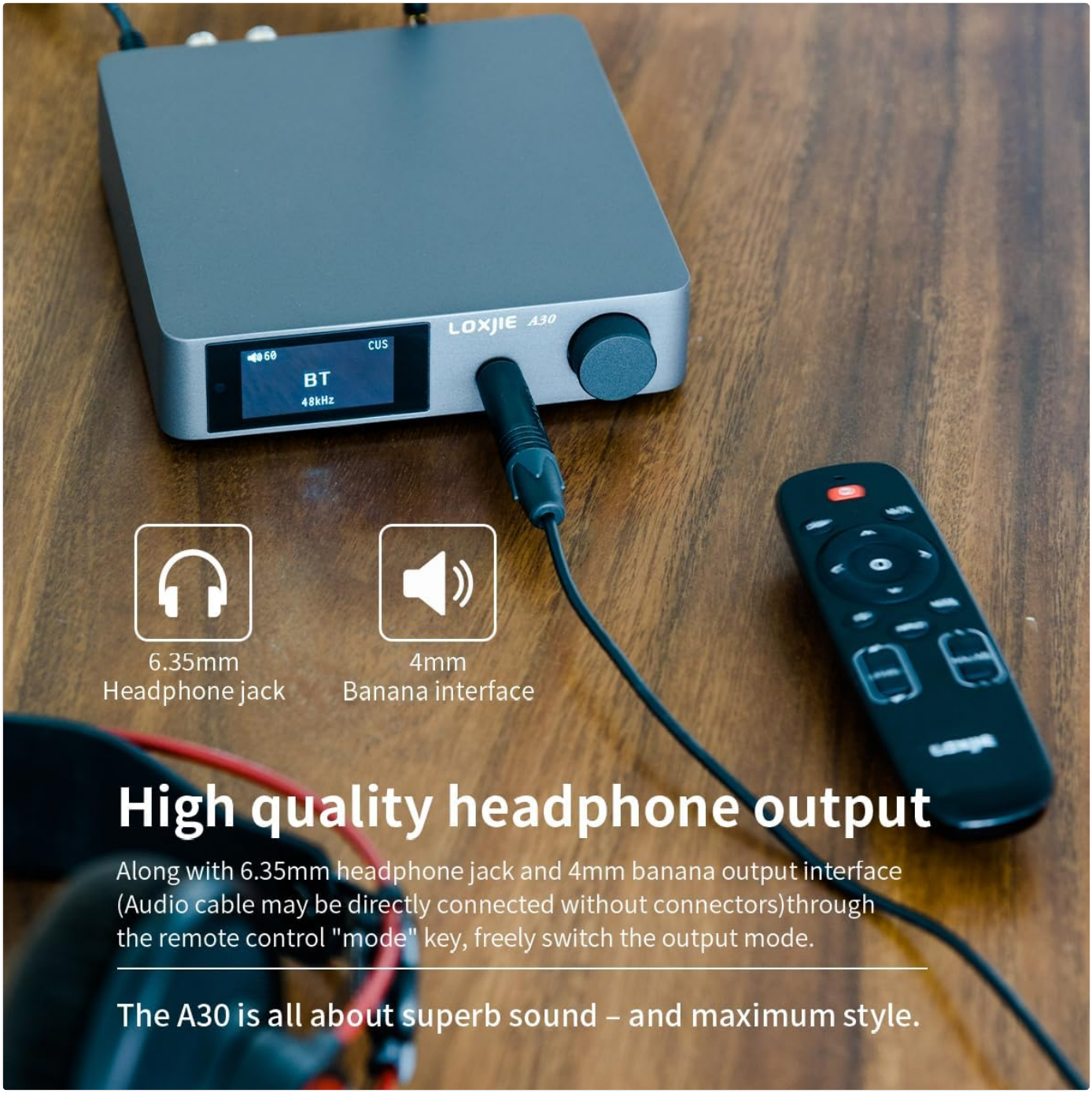



Figure 5: High-quality headphone output (6.35mm) and speaker output (4mm banana interface) options.




Figure 6: Wireless whole-home audio via Bluetooth 5.0 with APT-X support.




Figure 7: The Infineon MA12070 chip, central to the A30's efficient and high-quality audio processing.

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Video 1: An overview of the LOXJIE A30 amplifier, showcasing its design, various input/output options, and key features. This video highlights the integrated system design for outstanding performance.

## 3. Package Contents

Please check the package carefully upon unboxing to ensure all items are present and in good condition. If any items are missing or damaged, please contact your retailer or LOXJIE customer support.

- LOXJIE A30 Amplifier Unit
- Power Adapter
- Remote Control
- Bluetooth Antenna
- USB Cable
- User Manual (this document)

## 4. Setup Guide

### 4.1 Connecting Power

1. Ensure the LOXJIE A30 is placed on a stable, flat surface with adequate ventilation.
2. Connect the power adapter to the "24V" input port on the rear of the amplifier.
3. Plug the power adapter into a suitable wall outlet.

### 4.2 Connecting Speakers

The A30 supports passive speakers via its 4mm banana output interfaces.

1. Identify the left (L) and right (R) speaker terminals on the rear of the A30.
2. Connect your speaker cables to the corresponding terminals, ensuring correct polarity (red for positive, black for negative). The 4mm banana plugs can be inserted directly.
3. Connect the other end of the speaker cables to your passive speakers.

### 4.3 Connecting Headphones

For private listening, connect your headphones to the 6.35mm headphone jack on the front panel.

1. Insert the 6.35mm plug of your headphones into the headphone jack on the front of the A30.
2. The amplifier will automatically switch to headphone output when headphones are detected.

### 4.4 Connecting Audio Sources

The A30 offers multiple input options:

- **USB Input:** Connect a USB cable from your computer, mobile phone, or tablet to the "USB IN" port. This input supports 32-bit/384 kHz audio and is driver-free for most operating systems.
- **Optical Input:** Use an optical fiber cable to connect devices like TVs, game consoles, or CD players to the "OPTICAL IN" port.
- **Coaxial Input:** Connect devices with coaxial digital output to the "COAXIAL IN" port using a coaxial cable.
- **RCA (Analog) Input:** Use RCA cables to connect analog audio sources (e.g., CD players, turntables with a pre-amp) to the "L IN" and "R IN" ports.
- **Bluetooth Input:** Ensure the Bluetooth antenna is securely attached to the rear of the unit. For pairing, select Bluetooth input on the A30, then search for "LOXJIE A30" on your device's Bluetooth settings and connect.
- **Subwoofer Output:** The "SW OUT" port allows connection to an active subwoofer for enhanced bass.



Figure 8: Rear panel connections of the LOXJIE A30, illustrating various input and output options.

## 5. Operating Instructions

### 5.1 Power On/Off

Press the power button on the front panel or the remote control to turn the unit on or off.

### 5.2 Input Selection

Use the "Mode" button on the remote control or the input selector on the front panel to cycle through available audio inputs (USB, Optical, Coaxial, RCA, Bluetooth).

### 5.3 Volume Control

Rotate the large knob on the front panel or use the volume up/down buttons on the remote control to adjust the output volume. The volume level will be displayed on the screen.

### 5.4 EQ Modes and Tone Control

The A30 features several preset EQ modes and adjustable tone controls to customize your listening experience.

- **EQ Presets:** Use the remote control to select from Direct, Tone, Bass, Super Bass, Rock, Soft, and Clear modes.
- **Custom Mode (Tone Control):** In "Tone" mode, you can manually adjust treble and bass levels. Refer to Figure 3 for visual guidance.

### 5.5 Headphone/Speaker Output Switching

When headphones are plugged into the 6.35mm jack, the speaker output will automatically mute. Unplugging the headphones will restore speaker output. You can also manually switch output modes using the remote control's "Mode" button if available for this function.

## 6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners or aerosols, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier has adequate airflow around it. Do not block ventilation openings.
- **Storage:** If storing the unit for an extended period, disconnect it from the power supply and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Safety:** Do not attempt to open the unit or perform any internal repairs. Refer all servicing to qualified personnel.

## 7. Troubleshooting

If you encounter any issues with your LOXJIE A30, please refer to the following common problems and solutions before contacting support.

| Problem | Possible Cause | Solution |
|---|---|---|
| No power | Power cable not connected; power outlet faulty. | Check power cable connection; try a different outlet. |
| No sound from speakers/headphones | Incorrect input selected; volume too low; speaker/headphone cables loose or faulty; muted. | Select correct input; increase volume; check all cable connections; ensure unit is not muted. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Bluetooth pairing issues | A30 not in pairing mode; device too far; interference. | Ensure A30 is set to Bluetooth input and in pairing mode; move device closer; reduce interference. |
| Distorted sound | Volume too high; faulty cables; source audio quality. | Reduce volume; check/replace cables; try a different audio source. |
| High-pitched noise (as reported by some users) | Potential ground loop; specific input sensitivity; unit defect. | Try isolating power sources; use different input (e.g., optical instead of analog); if persistent, contact support. |

## 8. Specifications

| Feature | Detail |
|---|---|
| Brand | LOXJIE |
| Model Number | A30 |
| Mounting Type | Tabletop mount |
| Number of Channels | 2 |
| Output Power | 211.6 Watts |
| USB Audio Input | 32-bit/384 kHz, driver-free |
| Bluetooth Version | 5.0 (supports APT-X) |
| DAC Chip | ES9023 (for optical, coaxial, Bluetooth) |
| Amplifier Chip | Infineon MA12070 (Class D) |
| Headphone Output | 6.35mm jack |
| Speaker Output | 4mm Banana interface |
| Dimensions (Package) | 11.73 x 9.41 x 3.46 inches |
| Item Weight | 2.99 pounds |

## 9. Warranty and Support

LOXJIE products are designed and manufactured to the highest quality standards. This product is covered by a limited warranty from the date of purchase. For specific warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official LOXJIE website.
For technical support, troubleshooting assistance, or warranty claims, please contact LOXJIE customer service through the retailer where you purchased the product or via the contact information provided on the official LOXJIE website. Please retain your proof of purchase for warranty purposes.

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