

ASHATA ASHATANxtq0as758-02

ASHATA LP-838 Mini HiFi 2.1 Stereo Bass Power Amplifier User Manual

Model: LP-838 (ASHATANxtq0as758-02)
Brand: ASHATA

1. INTRODUCTION

Thank you for choosing the ASHATA LP-838 Mini HiFi 2.1 Stereo Bass Power Amplifier. This manual provides essential information for the proper setup, operation, and maintenance of your amplifier. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

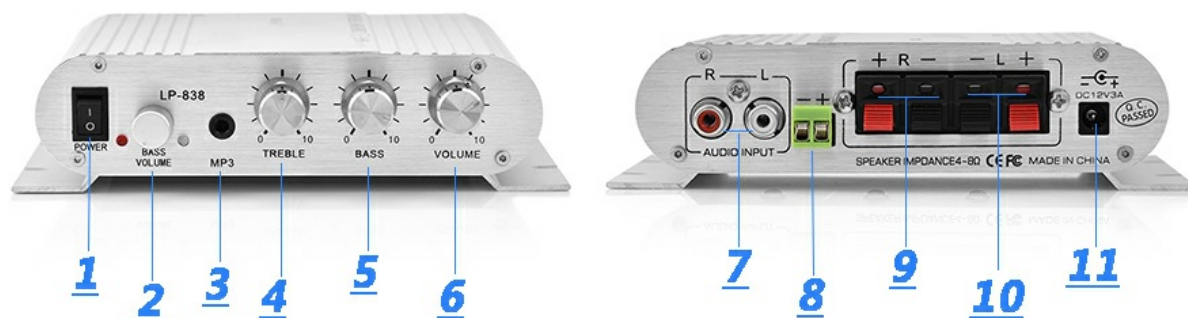
2. PRODUCT OVERVIEW

The ASHATA LP-838 is a compact and versatile 2.1 channel stereo power amplifier designed for various audio applications, including home and car audio systems. It features an aluminum alloy shell for durability and electromagnetic interference reduction, offering clear sound with low distortion.

Key Features:

- All-aluminum alloy casing for enhanced durability and interference reduction.
- 2.1 channel output with 15W x 2 RMS for stereo and 20W x 1 for bass.
- Independent control for volume, treble, and bass.
- Multiple audio inputs: 3.5mm audio jack and RCA input ports.
- Compatible with mobile phones, MP3 players, computers, DVD players, and other electronic devices.

Component Identification:



- 1. Power switch**
- 2. Subwoofer volume adjustment**
- 3. Signal input 3.5mm**
- 4. Treble adjustment**
- 5. Bass adjustment**
- 6. Master volume adjustment**

- 7. Signal input**
- 8. Subwoofer output**
- 9. Right channel output**
- 10. Left channel output**
- 11. Power input**

This diagram provides a detailed view of the ASHATA LP-838 amplifier's front and rear panels with numbered labels. The front panel includes the power switch, subwoofer volume adjustment, 3.5mm signal input, treble adjustment, bass adjustment, and master volume adjustment. The rear panel shows the signal input (RCA), subwoofer output, right channel output, left channel output, and power input.



This image displays the front panel of the ASHATA LP-838 amplifier, highlighting the power switch, bass volume knob, 3.5mm MP3 audio input, treble adjustment knob, bass adjustment knob, and master volume control knob. The amplifier is silver-colored with a brushed aluminum finish.



This image shows the rear panel of the ASHATA LP-838 amplifier. Visible are the RCA audio input jacks (left and right), two pairs of speaker output clips for left and right channels, and the DC 12V/3A power input jack. The text 'SPEAKER IMPDANCE 4-8Ω' is also visible.

3. SPECIFICATIONS

Input Impedance:

47Kohm

Speaker Impedance:

4 - 8 ohms

Compatibility:

Mobile phone, MP3, computer, DVD players, and other electronic devices with 3.5mm or RCA output

Connection:

Wired

Interface:

3.5mm audio jack, RCA input port

Material:

Aluminum alloy

Frequency Response:

20Hz-20KHz

Distortion:

<0.4%

Signal-to-Noise Ratio (S/N):

>75dB

Output Power:

RMS 15W x 2CH (stereo) + 20W x 1 (bass/subwoofer)

Power Input:

DC 12-14.4V $\geq$ 3A (Minimum Supply Voltage: 12V, Maximum Supply Voltage: 15V, Supply Current: 3.5A)

Dimensions (L x W x H):

Approx. 15.4 x 12.9 x 3.9 cm / 6.02 x 3.94 x 1.38 inches

Weight:

Approx. 310g / 7.7 ounces

4. SETUP INSTRUCTIONS

Follow these steps to properly set up your ASHATA LP-838 amplifier:

- 1. Connect Speakers:** Connect your passive speakers to the speaker output clips on the rear panel. Ensure correct polarity (+ to + and - to -) for each channel (Right and Left). The amplifier supports speakers with an impedance of 4-8 ohms.
- 2. Connect Audio Source:**
 - For devices with a 3.5mm audio output (e.g., smartphones, MP3 players), connect a 3.5mm audio cable to the 'MP3' input jack on the front panel.
 - For devices with RCA audio outputs (e.g., DVD players, some computers), connect RCA cables to the 'AUDIO INPUT' jacks (R and L) on the rear panel.
- 3. Connect Power Supply:** Connect a DC 12-14.4V power adapter (with a minimum current of 3A) to the 'DC12V3A' power input jack on the rear panel. **Note:** A power supply is not included with the amplifier and must be purchased separately.
- 4. Verify Connections:** Double-check all connections to ensure they are secure and correctly wired before proceeding.



This image features two close-up views: one showing the treble and bass adjustment knobs on the amplifier's front panel, and another demonstrating the connection of the 'SUPER BASS' output to speakers via the green terminal block on the rear panel.

5. OPERATING INSTRUCTIONS

Once the amplifier is set up, follow these steps to operate it:

1. **Power On:** Flip the 'POWER' switch on the front panel to the 'ON' position. The power indicator light will illuminate.
2. **Adjust Volume:** Start with the 'VOLUME' knob set to a low level. Begin playing audio from your connected source, then slowly increase the 'VOLUME' to your desired listening level.
3. **Adjust Bass and Treble:** Use the 'BASS' and 'TREBLE' knobs to fine-tune the audio output to your preference. The 'BASS VOLUME' knob specifically controls the level of the subwoofer output.
4. **Input Selection:** The amplifier automatically detects and uses the active audio input (either 3.5mm or RCA). Ensure only one audio source is actively playing at a time to avoid interference.
5. **Power Off:** When finished, flip the 'POWER' switch to the 'OFF' position.



This diagram demonstrates the versatility of the ASHATA LP-838 amplifier, showing how it can be connected to a variety of electronic devices including smartphones, laptops, desktop computers, tablets, and televisions, using its 3.5mm audio input or RCA input.

6. MAINTENANCE

Proper care will ensure the longevity and performance of your amplifier:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners, aerosols, or solvents.
- **Environment:** Avoid exposing the amplifier to direct sunlight, high temperatures, humidity, or dusty environments. Ensure adequate ventilation around the unit.
- **Handling:** Do not drop or subject the amplifier to strong impacts. Do not attempt to disassemble or modify the unit, as this will void any potential warranty and may cause damage.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound output	• Amplifier not powered on. • Audio source not connected or playing. • Speaker wires loose or incorrectly connected. • Volume knob set too low.	• Ensure power switch is ON and indicator light is lit. • Verify audio source is connected and playing. • Check all speaker connections for proper polarity and tightness. • Increase the 'VOLUME' knob.

Problem	Possible Cause	Solution
Distorted sound	- Volume too high. - Poor quality audio source. - Incorrect speaker impedance.	- Reduce the 'VOLUME' level. - Try a different audio source or cable. - Ensure speakers are within the 4-8 ohm impedance range.
Power indicator off	- Power supply not connected. - Faulty power supply.	- Check power adapter connection to amplifier and wall outlet. - Test with a known working DC 12-14.4V $\geq$3A power supply.

8. WARRANTY AND SUPPORT

This ASHATA LP-838 amplifier is designed for reliable performance. A user manual is included in the product package. For any further assistance or inquiries, please refer to the seller or retailer from whom the product was purchased. Please retain your proof of purchase for any warranty claims.

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