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Lepy LP-2020A

Lepy LP-2020A Class-D Hi-Fi Digital Amplifier User Manual

Model: LP-2020A | Brand: Lepy

1. INTRODUCTION

This user manual provides detailed instructions for the setup, operation, and maintenance of your Lepy LP-2020A Class-D Hi-Fi Digital Amplifier. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. PRODUCT OVERVIEW

The Lepy LP-2020A is a compact and efficient Class-D Hi-Fi Digital Amplifier designed for various audio applications. It features an aluminum enclosure for durability and a stylish appearance. The amplifier incorporates built-in loudspeaker protection and power monitoring circuits to safeguard your speakers and the unit itself.

- **Unique Appearance:** All-aluminum front panel with precise CNC machining and sandblasting treatment. Features an innovative circle-type power light.
- **Protection Features:** Includes overvoltage protection (above DC14.4V), short-circuit protection, and a time-delay circuit to prevent momentary shock damage to speakers.
- **Advanced Design:** State-of-the-art design utilizing surface mount components and advanced engineering for proven performance, reduced signal interference, and extended operational life.
- **Versatile Application:** Suitable for use with various audio sources such as iPads, cellphones, MP3 players, CD players, computers, and decoders.



Figure 2.1: Front view of the Lepy LP-2020A amplifier, showing the power switch, tone controls (treble and bass), and volume knob.

3. WHAT'S IN THE BOX

Upon opening the package, please verify that all the following items are included:

- 1x LP-2020A Digital Amplifier
- 1x User Manual
- 1x Power Supply



4. SETUP

Follow these steps to set up your Lepy LP-2020A amplifier:

1. **Connect Speakers:** On the rear panel of the amplifier, connect your passive speakers to the speaker terminals. Ensure correct polarity (+ to + and - to -) for both left and right channels. The amplifier supports speakers with an impedance of 4-8Ω.
2. **Connect Audio Input:** Use an RCA cable to connect your audio source (e.g., CD player, computer, smartphone with an adapter) to the "AUDIO INPUT" RCA jacks on the rear panel.
3. **Connect Power Supply:** Plug the provided power supply into the "POWER INPUT" jack on the rear panel of the amplifier. Then, plug the power supply into a suitable wall outlet (DC10-14.4V).



Figure 4.1: Rear panel connections for audio input, speaker outputs, and power input.

5. OPERATING INSTRUCTIONS

Once the amplifier is set up, follow these steps for operation:

1. **Power On:** Flip the "POWER" switch on the front panel to the "ON" position. The power light around the volume knob will illuminate.
2. **Adjust Volume:** Start with the "VOLUME" knob set to its minimum position. Begin playing audio from your source, then slowly turn the "VOLUME" knob clockwise to increase the sound level to your desired listening volume.
3. **Adjust Tone:** Use the "TREBLE" and "BASS" knobs to fine-tune the high and low frequencies of the audio output according to your preference.
4. **Tone Direct Switch:** The "TONE DIRECT" switch allows you to bypass the treble and bass tone controls for a flat frequency response. Flip the switch to "DIRECT" to bypass the tone controls, or to "TONE" to enable them.
5. **Power Off:** When finished, turn the "VOLUME" knob to its minimum position and then flip the "POWER" switch to the "OFF" position.



Figure 5.1: Close-up of the front panel showing the power switch, tone controls, and volume knob.

6. MAINTENANCE

To ensure the longevity and optimal performance of your amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Avoid using liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area to prevent overheating. Do not block the ventilation slots.
- **Storage:** If storing the amplifier for an extended period, disconnect it from the power source and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the amplifier with care. Avoid dropping it or subjecting it to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your Lepy LP-2020A amplifier, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> Power not connected or switched on. Audio input cable loose or incorrect. Speaker cables loose or incorrect polarity. Volume knob set too low. Audio source not playing or volume too low. 	<ul style="list-style-type: none"> Ensure power supply is connected and power switch is ON. Check audio input cable connections and ensure they are secure. Verify speaker cable connections and correct polarity. Increase the volume knob. Check audio source playback and volume level.
Distorted sound	<ul style="list-style-type: none"> Volume set too high. Incorrect speaker impedance. Faulty audio source or cable. 	<ul style="list-style-type: none"> Reduce the volume level. Ensure speakers are within the 4-8Ω impedance range. Test with a different audio source or cable.
Power light not on	<ul style="list-style-type: none"> Power supply not connected or faulty. Power switch is OFF. 	<ul style="list-style-type: none"> Check power supply connection to amplifier and wall outlet. Ensure power switch is in the ON position.

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

8. SPECIFICATIONS

Feature	Detail
Brand	Lepy
Model	LP-2020A
Input Power	DC10-14.4V
Output Power	20W x 2 RMS
Load Impedance	4-8Ω
Frequency Response	20Hz-20KHz
Total Harmonic Distortion	<0.4%
Signal-to-Noise Ratio (SNR)	>80dB
Number of Channels	2
Dimensions (L x W x H)	5.7 x 4.7 x 1.6 inches
Item Weight	15.8 ounces (approx. 448g)

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your product or contact Lepy customer service. A digital version of the user manual is available at: [Lepy LP-2020A User Manual \(PDF\)](#).



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