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Lepai LP-2020TI

Lepai LP-2020TI Hi-Fi Mini Class D Stereo Amplifier User Manual

Model: LP-2020TI | Brand: Lepai

Introduction

Thank you for choosing the Lepai LP-2020TI Hi-Fi Mini Class D Stereo Amplifier. This compact and powerful amplifier is designed to provide clear and dynamic audio for your home or office setup. Featuring a Texas Instruments TPA3118 chipset, it delivers efficient performance and a warm sound signature. Please read this manual thoroughly before operation to ensure proper use and to maximize your listening experience.

Key Features

- Maximum power output of 20 watts per channel at 4 ohms.
- Versatile stereo amplifier suitable for various home audio setups, including bookshelf speakers and enhancing TV audio.
- Compact design with energy-efficient Class D technology, ideal for limited spaces.
- Incorporates a Texas Instruments TPA3118 chipset, designed to emulate the warm and natural sound of tube amplifiers.
- Includes a dedicated power supply for immediate use.

Package Contents

- Lepai LP-2020TI Stereo Amplifier Unit
- Power Supply (12V, 3A)
- User Manual (this document)

Product Overview

Front Panel



The front panel of the Lepai LP-2020TI amplifier features the power switch, a toggle for tone control (Treble and Bass) or direct audio, and rotary knobs for Treble, Bass, and Volume. The volume knob is illuminated with a blue LED ring.

Rear Panel



The rear panel provides RCA audio input jacks for connecting your audio source, spring-clip terminals for connecting speakers (Left and Right channels), and the DC 12V power input jack.

Power Supply



The included power supply converts AC wall power to the necessary DC 12V for the amplifier.

Setup

1. **Connect Speakers:** Connect your passive speakers to the spring-clip terminals on the rear of the amplifier. Ensure correct polarity (+ to + and - to -) for both left and right channels. The amplifier supports speakers with an impedance of 4-8 ohms.
2. **Connect Audio Source:** Use an RCA cable (not included) to connect your audio source (e.g., CD player, smartphone, computer) to the "AUDIO INPUT" RCA jacks on the rear of the amplifier.
3. **Connect Power:** Plug the included power supply into the "DC12V3A" input jack on the rear of the amplifier. Then, plug the power supply into a standard wall outlet.
4. **Power On:** Flip the "POWER" switch on the front panel to the "ON" position. The volume knob will illuminate blue, indicating the amplifier is powered on.

Operating Instructions

1. **Volume Control:** Rotate the large "VOLUME" knob clockwise to increase the volume and counter-clockwise to decrease it. Start with the volume at a low setting before playing audio.
2. **Tone Control:** The "TONE DIRECT" switch allows you to enable or bypass the Treble and Bass controls.

- **TONE:** When the switch is in the "TONE" position, the "TREBLE" and "BASS" knobs are active, allowing you to adjust the high and low frequencies of the audio.
- **DIRECT:** When the switch is in the "DIRECT" position, the Treble and Bass controls are bypassed, providing a flat frequency response.

3. **Treble Adjustment:** When "TONE" is selected, rotate the "TREBLE" knob to increase or decrease high-frequency output.
4. **Bass Adjustment:** When "TONE" is selected, rotate the "BASS" knob to increase or decrease low-frequency output.
5. **Power Off:** Flip the "POWER" switch to the "OFF" position when not in use.

Maintenance

- Keep the amplifier in a dry, well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Do not block the ventilation openings on the amplifier.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure all connections are secure and free from corrosion.

Troubleshooting

Problem	Possible Cause	Solution
No sound output	Power off; incorrect connections; volume too low; incorrect source selection.	Ensure power is on; check speaker and audio input connections; increase volume; verify audio source is playing.
Distorted sound	Volume too high; poor audio source quality; damaged cables.	Reduce volume; try a different audio source; replace audio cables.
Humming or buzzing noise	Ground loop; interference from other electronics; faulty cables.	Ensure all components are on the same power circuit; move amplifier away from other electronics; try different cables.

Specifications

Feature	Specification
Model Number	LP-2020TI
Brand	Lepai

Feature	Specification
Output Power	20W per channel (at 4 Ohms)
Number of Channels	2
Speaker Impedance	4-8 Ohms
Voltage	24 Volts (via included power supply)
Package Dimensions	10 x 5.59 x 2.2 inches
Item Weight	15.2 ounces
UPC	848864036892

Warranty and Support

The Lepai LP-2020TI Digital Hi-Fi Audio Mini Class D Stereo Amplifier comes with an exclusive 1-year warranty. For technical support or warranty claims, please refer to the contact information provided with your purchase documentation or visit the official Lepai website.

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