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Lepai LP-269FS

Lepai LP-269FS Mini Amplifier User Manual

Model: LP-269FS

1. Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Lepai LP-269FS Mini Amplifier. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

2. Safety Information

- Ensure the power supply voltage matches the requirements specified for the amplifier (9 to 14.4 VDC).
- Do not expose the amplifier to moisture, rain, or extreme temperatures.
- Avoid blocking ventilation openings to prevent overheating.
- Disconnect power before making any connections or performing maintenance.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.

3. Package Contents

Verify that all items are present in the package:

- Lepai LP-269FS Mini Amplifier
- IR Remote Control
- Power Supply
- 16-inch FM Antenna



Figure 3.1: Included accessories for the LP-269FS amplifier.

4. Product Overview

4.1 Front Panel



Figure 4.1: Front panel of the LP-269FS amplifier.

1. **SD/MMC Card Slot:** Insert SD or MMC memory cards for MP3 playback.
2. **USB Port:** Connect USB flash drives for MP3 playback.
3. **MODE Button:** Switches between input sources (USB, SD/MMC, FM, AUX).
4. **PREV/CH- Button:** Short press for previous track/station; long press for volume down.
5. **PLAY/PAUSE/SCAN Button:** Plays/pauses media; in FM mode, short press to scan and save stations.
6. **NEXT/CH+ Button:** Short press for next track/station; long press for volume up.
7. **TREBLE Knob:** Adjusts high-frequency audio output.
8. **BASS Knob:** Adjusts low-frequency audio output.

9. **VOLUME Knob:** Controls overall volume and acts as the power ON/OFF switch.
10. **LCD Display:** Shows current mode, track information, or FM frequency.

4.2 Rear Panel

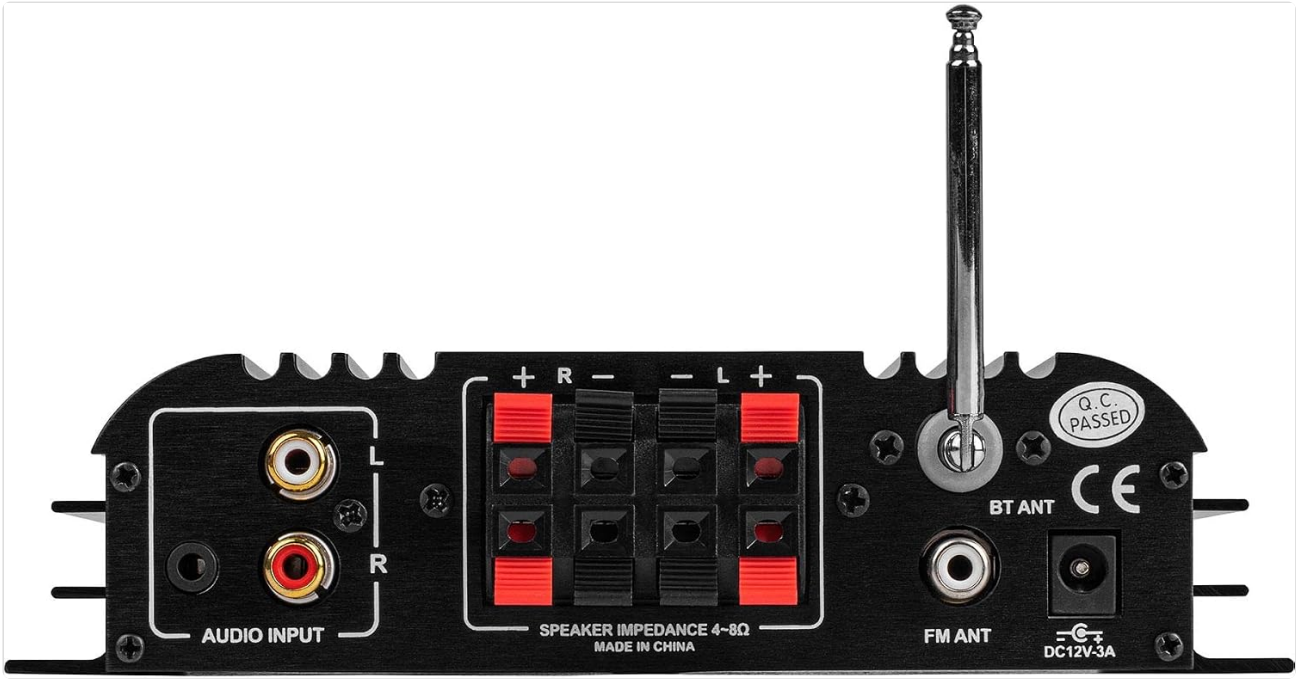

Figure 4.2: Rear panel of the LP-269FS amplifier.

1. **AUDIO INPUT (RCA):** Connect external audio sources (e.g., CD player, smartphone) using RCA cables.
2. **SPEAKER OUTPUTS:** Connect up to four speakers. Note that these are wired as two stereo channels (Left and Right), with two terminals per channel.
3. **FM ANTENNA Input:** Connect the included FM antenna for radio reception.
4. **DC 12V-3A Power Input:** Connect the provided power supply.

5. Setup

5.1 Speaker Connection

Connect your speakers to the speaker output terminals on the rear panel. The amplifier supports up to four speakers, configured as two stereo channels (Left and Right). Ensure correct polarity (+ to + and - to -) for each speaker. The amplifier is stable down to 2 ohms impedance per channel.

5.2 Audio Input Connection

For external audio sources (e.g., smartphone, tablet, computer), connect an RCA cable from your source's audio output to the AUDIO INPUT (RCA) jacks on the amplifier's rear panel.

5.3 FM Antenna Connection

Connect the included FM antenna to the FM ANTENNA input on the rear panel. Extend the antenna fully and position it for optimal FM radio reception.

5.4 Power Connection

Connect the provided power supply to the DC 12V-3A Power Input jack on the rear panel. Then, plug the power supply into a suitable electrical outlet. The amplifier requires 9 to 14.4 VDC for operation.

6. Operating Instructions

6.1 Power On/Off and Volume Control

Rotate the VOLUME knob clockwise to turn the amplifier ON. Continue rotating clockwise to increase the volume. Rotate counter-clockwise to decrease the volume and turn the amplifier OFF.

6.2 Source Selection

Press the **MODE** button on the front panel or the remote control to cycle through available input sources: USB, SD/MMC, FM Radio, and AUX (RCA Audio Input).

6.3 MP3 Playback (USB/SD)

Insert a USB flash drive or an SD/MMC card containing MP3 audio files into the respective slot. The amplifier will automatically switch to USB or SD/MMC mode and begin playback. Use the **PREV/CH-** and **NEXT/CH+** buttons on the front panel or remote to navigate tracks. The **PLAY/PAUSE** button controls playback.

6.4 FM Radio Operation

Switch to FM mode using the **MODE** button. Press the **PLAY/PAUSE/SCAN** button to automatically scan for and save available FM stations. Use the **PREV/CH-** and **NEXT/CH+** buttons to cycle through saved stations.

6.5 Tone Controls

Adjust the **TREBLE** and **BASS** knobs on the front panel to fine-tune the audio's high and low frequencies. An additional four-function EQ is accessible via the remote control.

6.6 Remote Control

The included IR remote control provides convenient access to various functions from a distance. Ensure a clear line of sight to the amplifier's front panel for the remote to function correctly.





Figure 6.1: Remote control for the LP-269FS amplifier.

- **Power Button:** Turns the amplifier on or off (standby).
- **MODE Button:** Selects input source.
- **Mute Button:** Mutes or unmutes audio.
- **PREV/NEXT Buttons:** Skips tracks or changes FM stations.
- **PLAY/PAUSE Button:** Controls media playback.
- **VOL+/- Buttons:** Adjusts volume level.
- **EQ Button:** Cycles through preset equalizer modes.
- **Number Pad:** For direct track selection (MP3) or FM frequency input.

7. Troubleshooting

- **No Power:** Check power supply connection and wall outlet. Ensure the VOLUME knob is turned ON.
- **No Sound:** Verify speaker connections and polarity. Check audio input source connection. Ensure correct input source is selected (MODE button). Adjust volume.
- **Poor FM Reception:** Adjust the position of the FM antenna. Ensure the antenna is fully extended.
- **Remote Not Working:** Ensure there is a clear line of sight between the remote and the amplifier. Check remote battery.
- **Distorted Sound:** Reduce volume. Check speaker impedance compatibility. Ensure audio source is not overdriving the input.

8. Specifications

Feature	Specification
Output Power	4 x 45W max (dependent on power supply)
Power Requirements	9 to 14.4 VDC, 5A
DC Power Input Jack	2.1 mm x 5.5 mm
Speaker Impedance	Stable down to 2 ohms
Minimum THD	<1%
Signal-to-Noise Ratio	>80 dB
Frequency Response	20-20,000 Hz
Input Impedance	47k ohms
FM Tuner Frequencies	87.5 to 108 MHz
FM Receiver Sensitivity	16 dB
FM Signal-to-Noise Ratio	60 dB
Channel Separation	39 dB
Dimensions (W x D x H)	7" x 4-3/4" x 1-3/4" (including mounting flange)
Material	Metal
Item Weight	2 pounds

9. Maintenance

- Clean the amplifier's exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Keep the unit free from dust and debris to ensure proper ventilation.

- Store the amplifier in a cool, dry place when not in use for extended periods.

10. Warranty and Support

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact Lepai customer service directly. Keep your purchase receipt as proof of purchase.

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