

DollaTek LP-168S

DollaTek LEPY LP-168S 2.1CH Super Bass HI-FI Stereo Power Amplifier

User Instruction Manual

1. INTRODUCTION

Thank you for purchasing the DollaTek LEPY LP-168S 2.1CH Super Bass HI-FI Stereo Power Amplifier. This professional audio amplifier is designed for versatile use in cars, motorcycles, boats, and home audio setups, offering easy installation and compatibility with various audio devices such as iPods, MP3 players, and CD players.

The LP-168S features a reasonable design incorporating advanced BLT circuit technology and an imported integrated circuit for anode amplification with efficient external body heat dissipation. It is powered by a single DC power supply and includes automatic polarity protection against overheating and circuit overload, ensuring good channel separation, low noise, lightweight design, high output power, and excellent sound quality.

Constructed with a high-quality PCB and electronic components for enhanced stability, the amplifier boasts an aluminum alloy outer shell with a sandblasted surface and anodic oxidation coloring. Its delicate RCA input jack provides good transmission for weak signals, and front-panel controls for bass, treble, and volume allow for free adjustment.



Figure 1.1: Front view of the DollaTek LEPY LP-168S amplifier, showcasing its compact design and heat sink fins.

2. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before using the amplifier to ensure safe and optimal performance.

- **Power Source:** Use only the specified power adapter (DC 12V-18V, 5A) for this amplifier. Using an incorrect power source may damage the device or pose a fire hazard.
- **Ventilation:** Ensure adequate ventilation around the amplifier. Do not block ventilation openings. Overheating can lead to malfunction or damage.
- **Moisture:** Keep the amplifier away from water, moisture, and high humidity. Do not expose it to rain or splashes.
- **Cleaning:** Disconnect the power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosol cleaners.
- **Placement:** Place the amplifier on a stable, flat surface. Avoid placing it in direct sunlight or near heat sources.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening the casing voids the warranty.
- **Children:** Keep out of reach of children.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact your retailer.

- DollaTek LEPY LP-168S Amplifier Unit
- Power Adapter (DC 12V-18V, 5A)
- Power Cable



Figure 3.1: The amplifier unit shown with its included power adapter and power cable.

4. PRODUCT OVERVIEW

Familiarize yourself with the controls and connections of your LP-168S amplifier.

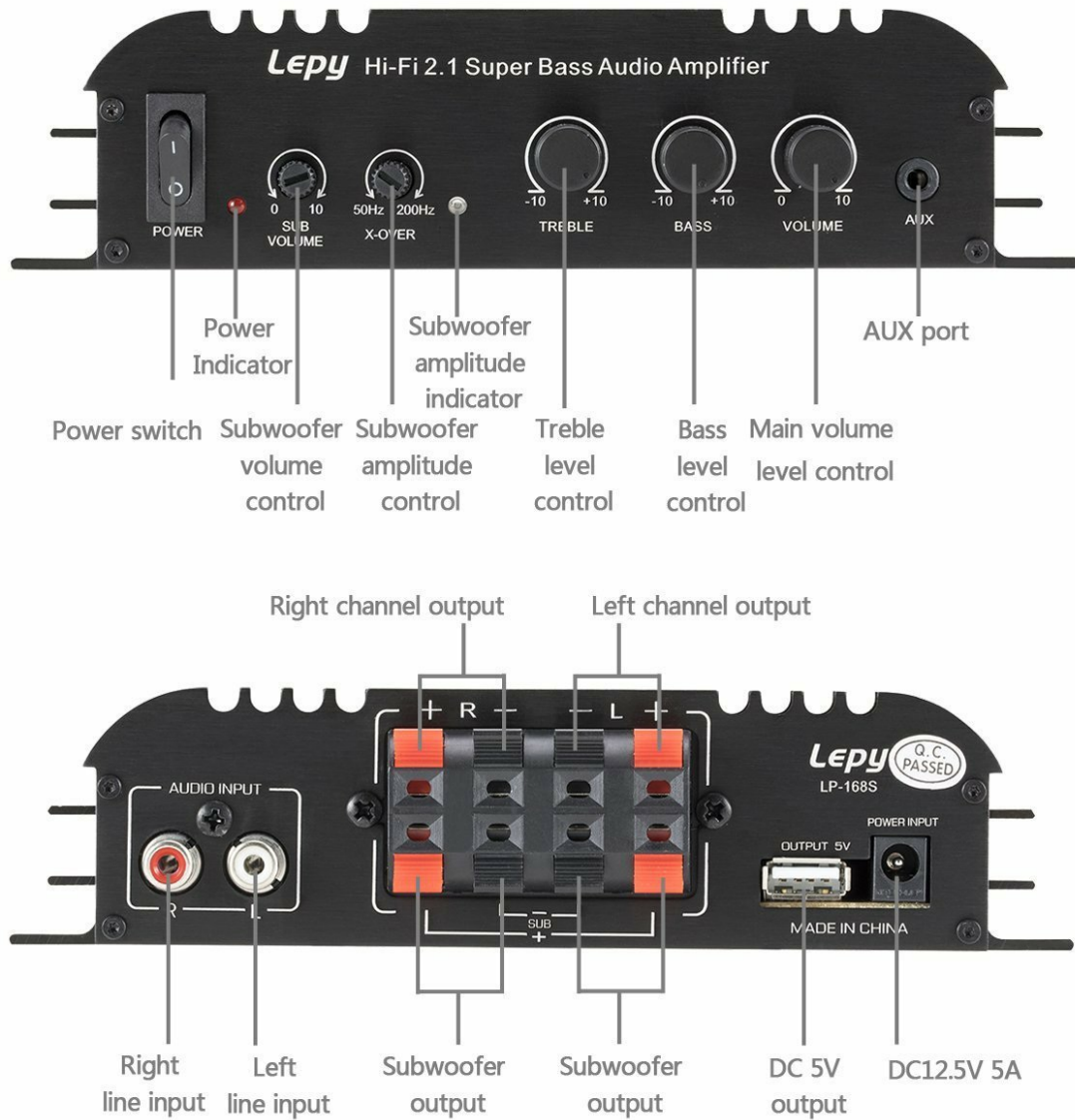


Figure 4.1: Detailed diagram of the amplifier's front and rear panels with labeled controls and ports.

Front Panel Controls:

- **Power Switch:** Toggles the amplifier on/off.
- **Power Indicator:** Illuminates when the amplifier is powered on.
- **Sub Volume Control:** Adjusts the output volume of the subwoofer channel.
- **Subwoofer X-OVER (Amplitude Control):** Adjusts the crossover frequency for the subwoofer, typically between 50Hz and 200Hz.
- **Treble Level Control:** Adjusts the high-frequency output.
- **Bass Level Control:** Adjusts the low-frequency output.
- **Main Volume Control:** Adjusts the overall output volume.
- **AUX Port:** 3.5mm auxiliary input for connecting portable audio devices.

Rear Panel Connections:

- **Right Line Input (RCA):** RCA input for the right audio channel.
- **Left Line Input (RCA):** RCA input for the left audio channel.
- **Right Channel Output:** Speaker terminal for the right stereo channel.
- **Left Channel Output:** Speaker terminal for the left stereo channel.

- **Subwoofer Output (+/-):** Speaker terminals for connecting a passive subwoofer.
- **DC 5V USB Output:** USB port for charging small devices (e.g., smartphones).
- **DC 12.5V 5A Power Input:** Power jack for connecting the included power adapter.



Support all kinds of sound source

RCA & AUX input

DC 5V USB

Figure 4.2: Rear panel of the amplifier, highlighting the audio input (RCA & AUX), speaker outputs, and power input.

5. SETUP AND CONNECTIONS

Follow these steps to set up your amplifier for optimal performance.

1. Speaker Connection:

- Connect your passive stereo speakers to the "Right Channel Output" and "Left Channel Output" terminals on the rear panel. Ensure correct polarity (+ to + and - to -).
- If using a passive subwoofer, connect it to the "Subwoofer Output" terminals, observing polarity.

2. Audio Input Connection:

- For devices with RCA output (e.g., CD player, DVD player), connect an RCA cable from your audio source to the "Right Line Input" and "Left Line Input" (RCA) on the amplifier's

rear panel.

- For devices with a 3.5mm headphone jack (e.g., smartphone, MP3 player), connect a 3.5mm audio cable from your device to the "AUX Port" on the amplifier's front panel.

3. Power Connection:

- Connect the included power adapter to the "DC 12.5V 5A Power Input" jack on the rear panel.
- Plug the power cable from the adapter into a suitable power outlet.

4. **Initial Power On:** Before turning on the amplifier, ensure all connections are secure and the main volume knob is set to a low level.

6. OPERATING INSTRUCTIONS

Once connected, you can begin using your amplifier.

1. **Power On/Off:** Flip the "Power Switch" on the front panel to the ON position. The power indicator light will illuminate. To turn off, flip the switch to the OFF position.
2. **Volume Adjustment:** Use the "Main Volume Control" knob to adjust the overall sound level. Turn clockwise to increase volume, counter-clockwise to decrease.
3. **Tone Control:**
 - Use the "Treble Level Control" to adjust the high frequencies.
 - Use the "Bass Level Control" to adjust the low frequencies.
4. **Subwoofer Control (if connected):**
 - Adjust the "Sub Volume Control" to set the subwoofer's output level relative to the main speakers.
 - The "Subwoofer X-OVER" knob allows you to set the crossover frequency, determining which low frequencies are sent to the subwoofer. Experiment with this setting to blend the subwoofer seamlessly with your main speakers.
5. **USB Charging:** The "DC 5V USB Output" port can be used to charge compatible USB-powered devices. Note that this port is for charging only and does not support data transfer or audio input.

7. MAINTENANCE

Proper care will extend the life of your amplifier.

- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth to wipe the exterior of the amplifier. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Regularly check that the heat sink fins and ventilation slots are free from dust and debris to ensure proper airflow.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power / Power indicator off	<ul style="list-style-type: none">• Power cord not connected• Power outlet not active• Power adapter faulty	<ul style="list-style-type: none">• Ensure power cord is securely plugged into amplifier and outlet.• Test the power outlet with another device.• Try a different compatible power adapter if available.
No sound output	<ul style="list-style-type: none">• Volume too low• Incorrect input selected (if applicable)• Speaker wires loose or incorrect polarity• Audio source not playing or connected incorrectly	<ul style="list-style-type: none">• Increase the Main Volume.• Ensure audio source is playing and connected to the correct input (RCA or AUX).• Check all speaker wire connections for tightness and correct polarity.• Verify the audio source is functioning correctly.
Distorted sound	<ul style="list-style-type: none">• Volume too high (clipping)• Poor quality audio source• Speaker impedance mismatch• Loose connections	<ul style="list-style-type: none">• Reduce the Main Volume.• Try a different audio source.• Ensure speakers are compatible with the amplifier's output impedance.• Check all audio and speaker connections.
Humming or buzzing noise	<ul style="list-style-type: none">• Ground loop issue• Interference from other electronics• Faulty cables	<ul style="list-style-type: none">• Try plugging the amplifier and audio source into the same power strip.• Move the amplifier away from other electronic devices.• Replace audio cables with shielded ones.

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

9. SPECIFICATIONS

Technical specifications for the DollaTek LEPY LP-168S amplifier.

- **Brand:** DollaTek
- **Model:** LP-168S
- **Channels:** 2.1CH (2 Stereo + 1 Subwoofer)
- **Output Power:** 168 Watts (Total)

- **Voltage:** 18 Volts
- **Maximum Supply Voltage:** 18 Volts (DC)
- **Minimum Supply Voltage:** 12 Volts (DC)
- **Supply Current:** 5 A
- **Mounting Type:** Freestanding
- **Input Interface:** RCA, 3.5mm AUX
- **Output Interface:** Speaker Terminals (Left, Right, Subwoofer)
- **Additional Features:** DC 5V USB Output for charging



Figure 9.1: Dimensions of the amplifier, approximately 6.9 inches (length) x 3.9 inches (width) x 1.7 inches (height).

10. WARRANTY AND SUPPORT

This product is covered by the standard warranty provided by the retailer or manufacturer. Please refer to your purchase documentation for specific warranty terms and conditions.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the seller or DollaTek customer service through the platform where you purchased the product. Please have your product model number (LP-168S) and purchase details ready when contacting support.

