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› Dilwe PP500 Phono Turntable Preamplifier User Manual

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Dilwe PP500 Phono Turntable Preamplifier User Manual

Model: PP500

1. INTRODUCTION

The Dilwe PP500 Phono Turntable Preamplifier is designed to convert a phono signal to a line-level signal, enabling connection of a turntable to modern audio equipment that lacks a dedicated phono input. This device features low-noise operation and adjustable gain for optimal sound performance.

2. PRODUCT OVERVIEW

The PP500 is a compact phono preamplifier featuring stereo RCA input and output, a ground terminal, and adjustable level and volume controls. It is powered by a DC 12V adapter.

Record Player Preamplifier

Advanced circuit sound preamp, input sensitivity electromagnetic pickup
Convert sound signal to line level signal
Connect any turntable to modern sound equipment
No dedicated phono input required
The receiver can be connected to speakers, computers, laptops, etc



Image 2.1: Front view of the Dilwe PP500 Phono Turntable Preamplifier, highlighting its compact design and controls.

Key Features:

- **Easy to Use:** Features a DC 12V power adapter and gain adjustment on input and output for optimal volume.
- **Low Noise:** Provides excellent sound performance with an output of 2V (PP) maximum at 10K ohms.
- **Sensitive Input:** Converts phono signals to line-level with input sensitivity for electromagnetic pickups.
- **Wide Application:** Connects any turntable to modern sound equipment (speakers, computers, laptops) without a dedicated phono input.
- **Plug and Play:** Stereo input and output for easy connection of turntables to input and ground, and preamp to receiver output.

3. SAFETY INFORMATION

- Ensure the power adapter is compatible with your local voltage.
- Do not expose the device to water or excessive moisture.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not attempt to open or repair the device yourself. Refer to qualified personnel.
- Keep out of reach of children.

4. PACKAGE CONTENTS

Please check the box for the following items:

- 1 x Dilwe PP500 Phono Preamp
- 1 x DC 12V Power Adapter
- 1 x User Manual (this document)
- RCA cables



Image 4.1: The Dilwe PP500 Preamplifier shown with its included power adapter.

5. SETUP

Follow these steps to connect your Dilwe PP500 Phono Turntable Preamplifier:

1. **Connect Turntable to Input:** Use RCA cables to connect the output of your turntable to the **INPUT (L/R)** jacks on the PP500 preamplifier.
2. **Connect Ground Wire:** Attach the ground wire from your turntable to the **GND** terminal on the PP500. This helps reduce hum and noise.

3. **Connect Preamp to Receiver/Amplifier:** Use RCA cables to connect the **OUTPUT (L/R)** jacks of the PP500 to a line-level input (e.g., AUX, CD, TAPE) on your receiver, amplifier, powered speakers, computer, or laptop. *Do not connect to a phono input on your receiver, as this will result in distorted sound.*
4. **Connect Power Adapter:** Plug the DC 12V power adapter into the **12V** power input jack on the PP500, then plug the adapter into a wall outlet. The 'ON' indicator light should illuminate.



Image 5.1: The PP500 Preamplifier showing its input, output, and ground connections for easy setup.



Image 5.2: Detailed view of the rear panel connections on the PP500, including RCA inputs, outputs, ground terminal, and power input.

6. OPERATING INSTRUCTIONS

Once all connections are made and the unit is powered on, you can begin playing your records.

1. **Power On:** Ensure the 'ON' indicator light is illuminated.
2. **Adjust Level:** Use the **LEVEL** knob to adjust the input gain. This helps match the output level of your turntable to the preamplifier's input for optimal signal quality.
3. **Adjust Volume:** Use the **VOLUME** knob to control the overall output volume of the preamplifier. Adjust this in conjunction with your receiver/amplifier's volume control.
4. **Optimal Placement:** For best results and to minimize unwanted noise and interference, place the preamplifier as close as possible to your turntable.



Image 6.1: Close-up view of the Level and Volume control knobs, allowing fine-tuning of audio output.



With DC 12V Power Adapter
No longer limited to application scenarios
Dual Gain
PP500 adds a set of gain adjustment on the input and output
Guaranteed to play at perfect volume
Low Noise Sound Operational Amplifier
Provides excellent sound performance
2V maximum (PP) at 10K ohm output

Image 6.2: The PP500 Preamplifier emphasizing its dual gain adjustment and low noise operational amplifier for excellent sound.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, disconnect the power adapter and store the unit in a cool, dry place.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

8. TROUBLESHOOTING

- **No Sound:**
 - Check all cable connections (turntable to preamp, preamp to receiver, power adapter).
 - Ensure the PP500 is powered on (green 'ON' light illuminated).
 - Verify the input selection on your receiver/amplifier is set to the correct input connected to the PP500.
 - Adjust the LEVEL and VOLUME knobs on the PP500 and the volume on your receiver/amplifier.
- **Hum or Noise:**
 - Ensure the turntable's ground wire is securely connected to the **GND** terminal on the PP500.

- Try moving the PP500 away from other electronic devices that might cause interference.
- Check for loose or damaged RCA cables.
- **Distorted Sound:**
 - Ensure the PP500 is connected to a **line-level input** (e.g., AUX, CD) on your receiver, not another phono input. Connecting to a phono input will result in over-amplification and distortion.
 - Adjust the LEVEL and VOLUME knobs on the PP500 to prevent signal clipping.
- **Only One Channel Working:**
 - Check the RCA cable connections for both left (L) and right (R) channels from the turntable to the preamp, and from the preamp to the receiver. Ensure they are fully inserted and not damaged.
 - Test with different RCA cables if possible.
- **Compatibility:**
 - The PP500 is designed for record player systems. It cannot be connected to any other music system that does not output a phono-level signal.

9. SPECIFICATIONS

Feature	Specification
Item Type	Phono Preamp
Material	Metal
Color	Black
Model Name	PP500
Scope of Application	Record Player Systems
Output Voltage (Max)	2V (PP) at 10K ohms
Power Supply	DC 12V Adapter
Special Feature	Gain Adjustment
Included Components	RCA cables
Package Dimensions	5.91 x 3.66 x 3.62 inches
Item Weight	10.9 ounces
Compatible Devices	Speakers, Amplifiers, Computers, Laptops

10. WARRANTY AND SUPPORT

Warranty Information: Please refer to the retailer or manufacturer's official website for specific warranty details and terms of service.

Technical Support: For technical assistance or further inquiries, please contact Dilwe customer service through their official channels or the retailer where the product was purchased.

