

NEEWER PP1

NEEWER PP1 Rechargeable Phantom Power Supply User Manual

Model: PP1

1. INTRODUCTION

The NEEWER PP1 is a wireless, rechargeable phantom power supply designed to provide stable 48V or 12V output for condenser and shotgun microphones. Its compact and durable design makes it suitable for various outdoor and indoor recording and performance scenarios.

This manual provides comprehensive instructions for the safe and effective use of your NEEWER PP1. Please read it thoroughly before operation and retain it for future reference.

2. KEY FEATURES

- **Adjustable Output:** Provides switchable 48V or 12V phantom power, compatible with various condenser and shotgun microphones.
- **Long Battery Life:** Equipped with a 2200mAh rechargeable battery, offering 14 to 40 hours of continuous operation on a single charge.
- **Quick Charging:** Fully charges in approximately 2.5 to 3 hours via USB-C.
- **Battery Indicators:** LED indicators display remaining battery level (25%, 50%, 75%, 100%) and turn red when below 10%.
- **Superior Audio Quality:** Metal body and integrated filtering circuit minimize interference and noise for clean audio output.
- **Universal Compatibility:** Features standard XLR input and output connectors for seamless integration with mixers, audio interfaces, and recording consoles.
- **Portable Design:** Lightweight (316g / 11oz) and durable metal construction, ideal for on-the-go use.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present and in good condition:

- 1 x NEEWER PP1 Rechargeable Phantom Power Supply
- 1 x USB-C Charging Cable
- 1 x User Manual

Packing List

- 1 x Phantom Power
- 1 x Charging Cable
- 1 x Manual



Image: NEEWER PP1 Phantom Power Supply, USB-C charging cable, and user manual. This image illustrates the complete contents of the product package.

4. PRODUCT OVERVIEW

Familiarize yourself with the various components of the NEEWER PP1:

Plug And Play

The built in battery does not require additional power supply, and the maximum use time is **40** hours.



Easy to read battery life indicator
[25%, 50%, 75%, 100%]



When the power is less than **10%**,
the red light is on



Power switch



Image: Detailed view of the NEEWER PP1, highlighting its XLR input, XLR output, power switch, 12V/48V selector, LED battery indicators, and USB-C charging port. Also shows non-slip rubber feet.

- **XLR Input Terminal:** Connects to your microphone.
- **XLR Female Output:** Connects to your mixer, audio interface, or recording device.
- **Power Switch (ON/OFF):** Turns the unit on or off.
- **Voltage Selector (12V/48V):** Switches between 12V and 48V phantom power output.
- **LED Battery Indicators:** Four blue LEDs indicate battery charge level (25%, 50%, 75%, 100%). A red LED indicates battery level below 10%.
- **Type C Charging Port:** For charging the internal battery.
- **Rubber Non-Slip Feet:** Provides stability and prevents sliding.

5. SETUP AND OPERATION

5.1 Initial Charging

Before first use, fully charge the NEEWER PP1. Always use a 5V USB wall charger (not included) with the provided USB-C cable.

1. Connect the USB-C end of the charging cable to the Type C Charging Port on the PP1.
2. Connect the USB-A end of the charging cable to a 5V USB wall charger or a compatible USB power source.
3. The LED battery indicators will illuminate to show charging progress. All four blue LEDs will be solid when fully charged.



Travel Power Supply



USB Socket



USB Wall Charger

Image: The NEEWER PP1 being charged via its USB-C port, demonstrating connection to a power source. Note that only the phantom power supply is included, not the wall charger or power bank.

5.2 Connecting Your Equipment

Follow these steps to connect the PP1 to your microphone and audio device:

1. Ensure the PP1 is turned **OFF** before making connections.
2. Connect your condenser or shotgun microphone to the **XLR Input Terminal** on the PP1 using an XLR cable.
3. Connect the **XLR Female Output** of the PP1 to your mixer, audio interface, or recording console using another XLR cable.
4. Select the appropriate voltage (48V or 12V) using the **Voltage Selector** switch, depending on your microphone's requirements. Most condenser microphones require 48V.

5. Turn the **Power Switch** to **ON**. The LED battery indicators will light up, confirming the unit is active.



Image: The NEEWER PP1 phantom power supply connected in-line with an XLR microphone and an audio output device, demonstrating its typical usage setup.



Image: A diagram illustrating the NEEWER PP1's connectivity with various audio devices such as mixers, video cameras, and amplifiers, and compatibility with different NEEWER microphone models (NW-800, NW-700, NW-82 Interview Microphone).

5.3 Battery Level Indication

The blue LED indicators provide an approximate battery level:

- **Four Blue LEDs:** 75% - 100% charge
- **Three Blue LEDs:** 50% - 75% charge
- **Two Blue LEDs:** 25% - 50% charge
- **One Blue LED:** Below 25% charge
- **Red LED:** Below 10% charge, recharge immediately.

OTHERS



No battery indicator ❌



Plastic shell ❌



48V output voltage ❌



Heavy weight
18.53oz / 548g ❌

NEEWER



✓ Easy read
battery indicator



✓ Aluminum alloy
metal shell



✓ 12V / 48V Switchable
output voltage



✓ Light Weight
11oz / 316g



VS

Image: A close-up view of the NEEWER PP1's control panel, detailing the LED battery indicators and the power switch. This image helps users understand the battery status at a glance.

6. MAINTENANCE AND CARE

- Keep the device dry. Do not expose it to moisture or rain.
- Clean the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Store the PP1 in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- If the unit will not be used for an extended period, charge it fully every three months to maintain battery health.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power/LEDs not lighting up.	Battery is depleted.	Charge the PP1 using the USB-C cable and a 5V USB wall charger.
Microphone not receiving phantom power.	Incorrect voltage selected.	Ensure the 48V/12V switch is set to the correct voltage required by your microphone.
	Loose cable connections.	Check all XLR cable connections between the microphone, PP1, and audio device. Ensure they are securely plugged in.
Humming or noise in audio.	Interference from other electronic devices.	Move the PP1 and connected equipment away from sources of electromagnetic interference (e.g., power cables, Wi-Fi routers).
	Faulty XLR cable.	Try using a different XLR cable to rule out cable issues.

8. SPECIFICATIONS

Parameter	Value
Model	PP1
Battery Capacity	2200mAh / 3.7V
Battery Life	14-40 hours
Charging Time	2.5-3 hours
Standard Charging Voltage	5V
Standard Charging Current	>400mAh
Discharge Cut-off Voltage	2.75V
Max. Continuous Discharge Current	3000mAh
Min. Continuous Discharge Current	1000mAh
Output Voltage	48V / 12V
Weight	316g / 11oz
Material	Metal
Color	Black
UPC	191073098015
Model Number	21000049

9. WARRANTY AND SUPPORT

NEEWER products typically come with a standard manufacturer's warranty. For specific warranty details, registration, or technical support, please refer to the warranty card included with your product or visit the official NEEWER website.

For further assistance, you may contact NEEWER customer service through their official channels.
