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JOYO JP-05

JOYO JP-05 Rechargeable Guitar Effect Pedal Power Supply User Manual

Model: JP-05 | Brand: JOYO

1. INTRODUCTION

Thank you for choosing the JOYO JP-05 Rechargeable Guitar Effect Pedal Power Supply. This device is designed to provide stable and isolated power to your guitar effect pedals, featuring a built-in rechargeable battery for portable use and a USB output for charging other devices. Please read this manual thoroughly to ensure proper use and optimal performance.

2. SAFETY INFORMATION

- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only the specified power adapter for charging.
- Do not attempt to disassemble or modify the unit. Refer all servicing to qualified personnel.
- Ensure correct polarity and voltage settings for your pedals to prevent damage.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The JOYO JP-05 is a versatile power supply for guitar effect pedals, offering both AC-powered and battery-powered operation. It features multiple isolated outputs to ensure clean power delivery to your pedals.



Image 3.1: The JOYO JP-05 power supply unit with its accessories, including power cables and adapter.

Key Features:

- **Built-in Rechargeable Battery:** Equipped with a 7.4V/4400mAh lithium battery for portable use.
- **Multiple DC Outputs:** 8 isolated DC output jacks for various pedal requirements.
- **Variable Voltage Output:** One output jack is switchable between 9V, 12V, and 18V.
- **USB Charging Port:** A 5V/1A USB output for charging mobile devices.
- **LED Indicators:** Bright blue LEDs for pedal board lighting and green/red LEDs for battery level and short circuit indication.
- **Short Circuit Protection:** Independent short-circuit protection for each output ensures other outputs continue to function if one experiences a fault.

4. COMPONENTS AND CONTROLS

Familiarize yourself with the various inputs, outputs, and controls on your JP-05 unit.



Image 4.1: Detailed diagram illustrating the various ports and controls on the JOYO JP-05.

- **DC 9V IN:** Input jack for connecting the included 9V/2A power adapter to charge the unit or power it directly.
- **DC 5V 1A OUT (USB):** USB port for charging external devices like smartphones or tablets.
- **DC Outputs 1-3:** Three 9V DC outputs, each providing 500mA current. Suitable for high-current digital pedals.
- **DC Outputs 4-7:** Four 9V DC outputs, each providing 100mA current. Suitable for standard analog pedals.
- **DC Output 8:** One adjustable output jack, switchable between 9V, 12V, and 18V, providing 100mA current.
- **LED Indicator Switch:** Toggles the blue LED lights for pedal board illumination on or off.
- **Battery Level Indicator:** LEDs indicating the remaining battery charge.
- **Power Switch:** Turns the unit on or off. Located on the back of the unit.

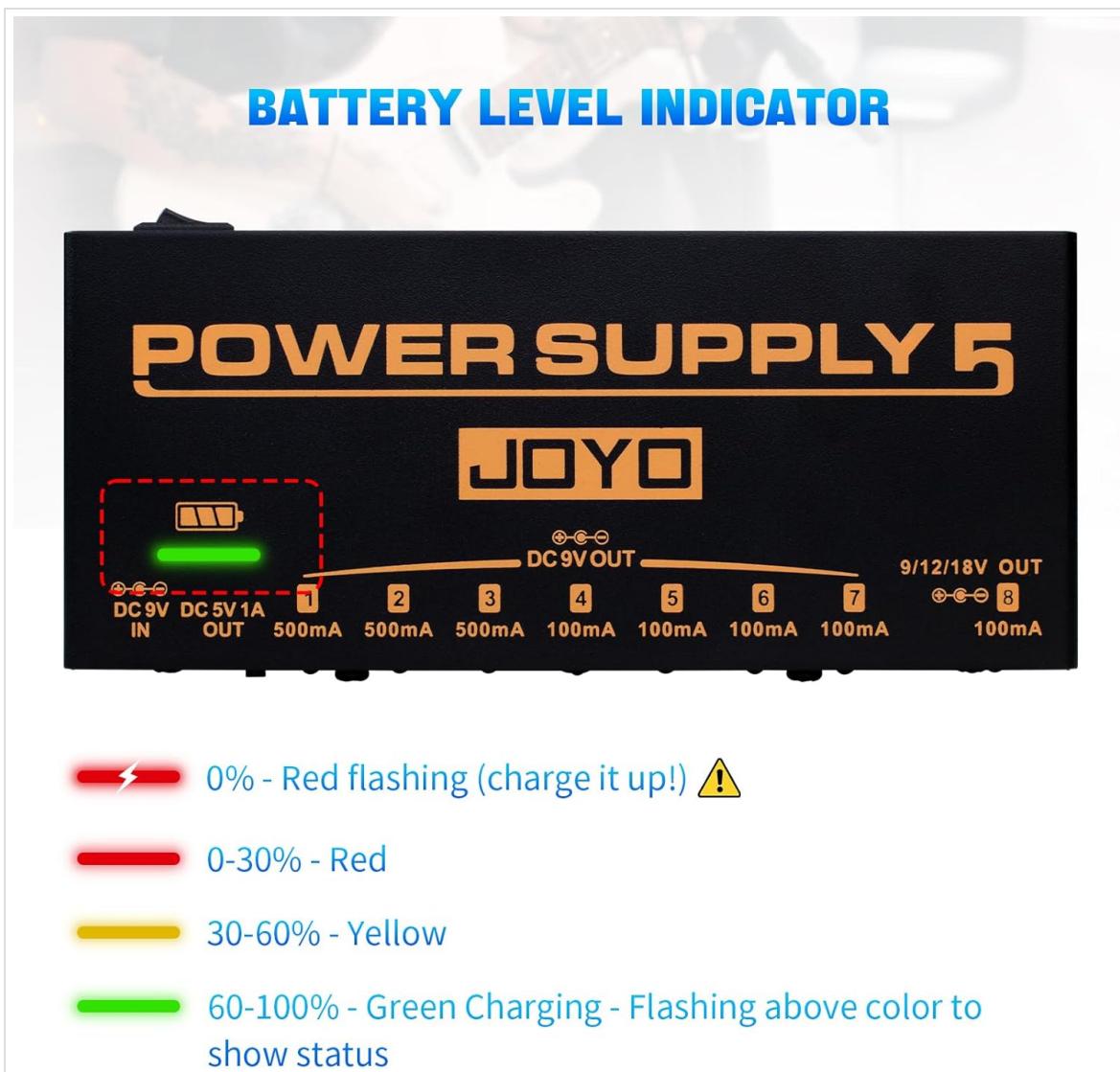


Image 4.2: The battery level indicator on the JOYO JP-05, showing a green light for sufficient charge.

SWITCHABLE 9V,12V OR 18V

DC Output 8 can be switched from 9V,12V or 18V at 100mA.

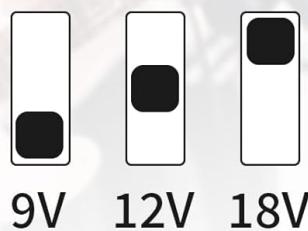


Image 4.3: The switch for selecting 9V, 12V, or 18V output on the JOYO JP-05.

5. SETUP

5.1. What's in the Box

- JOYO JP-05 Power Supply Unit
- DC 9V/2A Power Adapter
- DC Power Cables (various lengths)
- Reversed Polarity Cable (for pedals requiring center positive)

5.2. Initial Charging

Before first use, it is recommended to fully charge the JP-05. Connect the included DC 9V/2A power adapter to the 'DC 9V IN' jack on the unit and plug the adapter into a wall outlet. The battery level indicator LEDs will show charging status. A full charge typically takes about 2.5 hours.

5.3. Connecting Pedals

1. Ensure the JP-05 is turned off.

2. Identify the voltage and current requirements for each of your effect pedals.
3. Connect your pedals to the appropriate DC output jacks using the provided DC power cables.
 - Use outputs 1-3 (9V 500mA) for high-current digital pedals.
 - Use outputs 4-7 (9V 100mA) for standard analog pedals.
 - For pedals requiring 12V or 18V, use output 8 and adjust the voltage switch accordingly.
Ensure the switch is set before connecting the pedal.
4. If a pedal requires center positive polarity, use the included reversed polarity cable. Most guitar pedals are center negative.
5. Once all pedals are connected, turn on the JP-05 using the power switch.

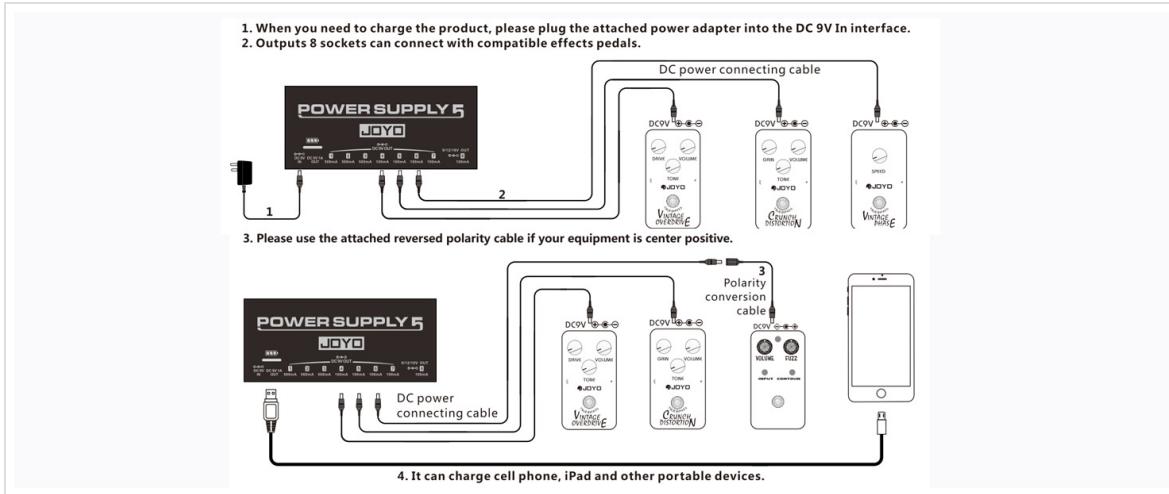


Image 5.1: Connection diagram for the JOYO JP-05, showing how to connect multiple pedals and charge a mobile device.

6. OPERATION

6.1. Powering Pedals

After connecting your pedals, turn on the JP-05 using the power switch. The blue LEDs will illuminate, indicating power is being supplied to the outputs. You can toggle these blue LEDs on or off using the dedicated LED indicator switch.

9 Output Interface

8 Blue LED Light for Indicate:
Bright blue LED for pedal board lighting.

1 Green LED Light for Indicate:
Short circuit indicate.



Image 6.1: The JOYO JP-05 with its blue LEDs active, providing power to connected pedals on a pedalboard.

6.2. Battery Life

The built-in 4400mAh battery provides extended usage time. Expect approximately 2 hours of operation with high-current digital effect pedals or over 10 hours with 8 analog pedals. Actual battery life may vary depending on the total current draw of your connected pedals.

WITH A BUILT-IN 7.4V/4400mAh RECHARGEABLE LITHIUM BATTERY

Lasts **2** hours with high current digital effect pedals;
lasts more than **10** hours with **8** analog pedals.

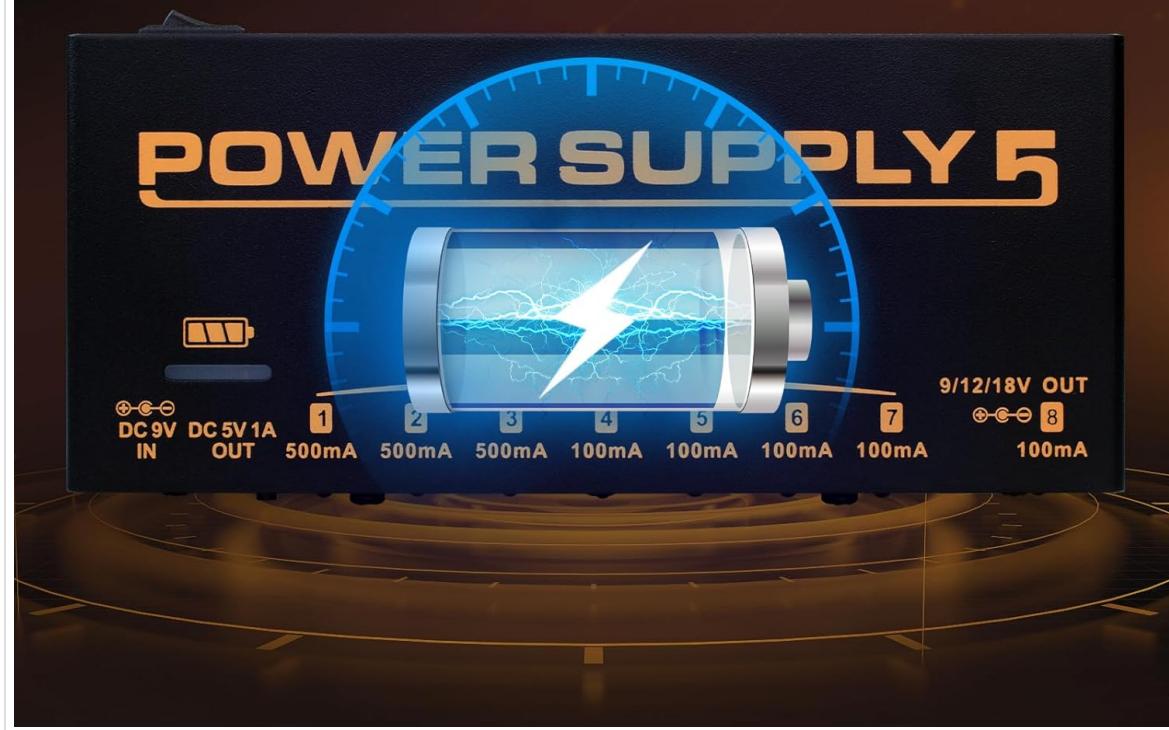


Image 6.2: Visual representation of battery life, indicating 2 hours for high-current digital pedals and over 10 hours for 8 analog pedals.

6.3. USB Charging

The 5V/1A USB output port can be used to charge compatible portable devices such as smartphones or tablets. Simply connect your device's USB charging cable to this port.

6.4. Battery Level Indication

The battery level indicator LEDs provide a visual cue of the remaining charge:

- **Green (Solid):** 60-100% charge.
- **Yellow:** 30-60% charge.
- **Red:** 0-30% charge.
- **Red (Flashing):** 0% charge, requires immediate recharging.

When charging, the LEDs will flash according to the current charge level until fully charged, at which point they will remain solid green.

7. MAINTENANCE

- Clean the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for an extended period, charge the battery periodically (e.g., every 3-6 months) to maintain battery health.

8. TROUBLESHOOTING

- **No Power to Pedals:**

- Ensure the power switch is in the 'ON' position.
- Check the battery level indicator. If red or flashing red, recharge the unit.
- Verify that the DC power cables are securely connected to both the JP-05 and the pedals.
- Confirm that the pedal's voltage and current requirements match the output used.

- **Noise in Audio Signal:**

- While the JP-05 features isolated outputs to minimize noise, ensure all audio cables are properly shielded and in good condition.
- Check for ground loops in your overall setup.
- Some pedals are inherently noisy; try isolating the source by connecting pedals one by one.

- **One Output Not Working:**

- The JP-05 has independent short-circuit protection. If an output is short-circuited, its indicator LED will turn off (or change color, depending on the specific model's indicator design) while others remain functional. Disconnect the problematic pedal and cable from that output.
- Check the cable for damage.
- Ensure the pedal is not drawing more current than the output can provide.

SHORT CIRCUIT PROTECTION INDEPENDENT

Short-circuit protection, when one output is short-circuited, other outputs can still work.



Image 8.1: Illustration of the independent short-circuit protection feature, where a fault in one output does not affect others.

9. SPECIFICATIONS

Feature	Specification
Model Number	JP-05
Battery Capacity	7.4V/4400mAh Lithium Ion
Charging Time	Approx. 2.5 hours
DC Output 1-3	9V DC, 500mA (each)
DC Output 4-7	9V DC, 100mA (each)
DC Output 8	9V/12V/18V DC, 100mA (switchable)
USB Output	5V DC, 1A
Dimensions	5.75 x 2.56 x 1.38 inches (14.6 x 6.5 x 3.5 cm)
Weight	1.37 pounds (620 grams)
Material	Metal, Plastic

10. WARRANTY AND SUPPORT

JOYO Technology provides a limited warranty for its products. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official JOYO website.

If you encounter any issues or require technical assistance, please contact JOYO customer support. You can typically find contact information on the official JOYO website or through your purchase platform's seller messaging system. When contacting support, please provide your product model (JP-05) and a detailed description of the issue.

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