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Caline CP-205

Caline CP-205 True Isolated Guitar Pedal Power Supply User Manual

Model: CP-205

1. Introduction

The Caline CP-205 is a true isolated power supply designed for guitar effect pedals. It provides stable and clean DC 9V power to up to eight pedals, ensuring noiseless operation and optimal performance for both analog and digital effects. This manual provides essential information for the safe and effective use of your CP-205 power supply.

2. Safety Instructions

- Read all instructions before operating the device.
- Do not expose this unit to rain, moisture, dripping, or splashing liquids.
- Ensure the power adapter voltage matches your local power supply.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only the provided power adapter and cables.
- Disconnect the power supply from the mains when not in use for extended periods.

3. Package Contents

Verify that all items are present in the package:

- 1 x Caline CP-205 Power Supply Unit
- 1 x Power Adapter
- 8 x Power Cables (DC to DC)
- 2 x Polarity Reversal Cables
- 1 x English User Manual



Image: Contents of the Caline CP-205 power supply package, including the main unit, power adapter, various power cables, and a user manual.

4. Product Overview

The Caline CP-205 features a compact design with multiple isolated outputs to power your guitar pedals efficiently.



Image: Front view of the Caline CP-205 power supply, showing the 18V input and eight 9V DC outputs with current ratings.

Key Features:

- **True Isolated Design:** Each output is independently isolated, including ground wires, to eliminate noise and ground loops.
- **8 DC Outputs:**
  - 7 x 9V DC @ 300mA
  - 1 x 9V DC @ 500mA
- **Short Circuit Protection:** Each output features independent short-circuit protection and indicators. If one output shorts, others continue to function normally.
- **Multi-Function Blue Indicators:** Each output has a blue LED to indicate working condition and short-circuit status.
- **Compact and Portable:** Made from high-quality aluminum alloy, lightweight and thin for easy pedalboard integration.



Image: Diagram showing the dimensions of the Caline CP-205 power supply: 14cm length, 6cm width, and 2.5cm height. Weight is indicated as 0.58kg.

5. Setup

1. **Connect the Power Adapter:** Plug the provided power adapter into a suitable AC outlet. Connect the DC output of the power adapter to the 18V IN jack on the Caline CP-205 unit.
2. **Connect Pedals:** Use the included DC power cables to connect your guitar effect pedals to the 9V DC output jacks on the CP-205. Ensure the current requirements (mA) of your pedals do not exceed the output capacity of each port (300mA or 500mA).
3. **Check Polarity:** Most guitar pedals use a center-negative polarity. The CP-205 outputs are standard center-negative. If a pedal requires center-positive polarity, use one of the included polarity reversal cables. Incorrect polarity can damage your pedals.
4. **Power On:** Once all connections are secure, the blue LED indicators on each active output will illuminate, confirming power delivery.



Image: The Caline CP-205 power supply with multiple DC cables connected to various guitar effect pedals, demonstrating a typical setup.

6. Operating Instructions

The Caline CP-205 is designed for simple plug-and-play operation. Once connected, it provides consistent and clean power to your pedals.

- **Output Current:** Pay attention to the current ratings of each output. The CP-205 has seven 9V/300mA outputs and one 9V/500mA output. Ensure your pedal's current draw does not exceed the connected output's rating.
- **LED Indicators:** The blue LEDs above each output indicate power is being supplied. If an LED turns off or flickers, it may indicate a short circuit or an overloaded output.
- **Combining Outputs (for high current pedals):** For pedals requiring more than 500mA, you can combine two outputs using a Y-cable (not included, but polarity reversal cables are provided). For example, combining two 300mA outputs can provide up to 600mA. Ensure the combined current does not exceed the total capacity of the power supply and that the Y-cable is designed for this purpose.

▶ **Watch video online**
Caline Fully Isolated Pedal Power Supply CP-205 CP-206 CP-207

Video: An overview of Caline's isolated pedal power supplies (CP-205, CP-206, CP-207), explaining the internal isolation technology and how it prevents noise. The video demonstrates the internal components, including transformers and voltage regulators, highlighting the true isolated design.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the unit. Do not use liquid cleaners or aerosols.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Regularly inspect all cables for damage. Replace any frayed or damaged cables immediately.

8. Troubleshooting

Problem	Possible Cause	Solution
No power to pedals.	Power adapter not connected or faulty; main power outlet issue.	Ensure power adapter is securely connected and plugged into a working outlet. Check the adapter for damage.
One pedal not receiving power (LED off).	Short circuit in the pedal or cable; overloaded output.	Disconnect the pedal and cable from the output. Check the pedal and cable for faults. Ensure the pedal's current draw is within the output's rating.
Excessive noise/hum.	Faulty cable; ground loop (unlikely with isolated outputs but possible with other equipment).	Try different cables. Ensure all connections are secure. Verify that all pedals are connected to isolated outputs.
Pedal not functioning correctly.	Incorrect polarity; insufficient current.	Check pedal's polarity requirements and use a polarity reversal cable if needed. Confirm the pedal's current draw is met by the output.

9. Specifications

Model	CP-205
Input Voltage	18V DC (from included power adapter)
Output Voltage	9V DC (all outputs)
Output Current	7 x 300mA, 1 x 500mA
Isolation	True Isolated Outputs
Protection	Short Circuit Protection for each output
Indicators	Blue LED for each output
Material	Aluminum Alloy
Color	Black
Product Dimensions	6.5 x 2.28 x 0.98 inches (16.5 x 5.8 x 2.5 cm)
Item Weight	7.8 ounces (220 grams)

10. Warranty and Support

For warranty information and technical support, please refer to the official Caline website or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

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