

Gator GTR-PWR-12

Gator Cases GTR-PWR-12 Guitar Effects Pedal Power Supply Instruction Manual

Model: GTR-PWR-12

1. INTRODUCTION

Thank you for choosing the Gator Cases GTR-PWR-12 Guitar Effects Pedal Power Supply. This unit is designed to provide clean, isolated power to your entire pedalboard, ensuring optimal performance and minimizing unwanted noise. With multiple isolated outputs and versatile voltage options, the GTR-PWR-12 is a reliable solution for musicians on stage, in the studio, or at home.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Do not expose the unit to rain, moisture, or extreme temperatures.
- Ensure proper ventilation to prevent overheating.
- Use only the provided power cable and accessories.
- Disconnect power before making any connections or adjustments.
- Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

The GTR-PWR-12 includes the following items:


- 1 x GTR-PWR-12 Guitar Effects Pedal Power Supply
- 1 x Mains Power Cable

- 12 x DC Power Cables (various lengths)
- 1 x 9V Battery Clip Cable
- 1 x Mini Jack Cable
- 1 x USB-C Male to USB-A Female Adapter Cable
- 1 x Current Doubler Cable
- 1 x Polarity Inverter Cable
- 1 x Gooseneck White LED Light

PACKAGE INCLUDES:

CABLE CONNECTORS:


Mains (IEC) Power Cable
1 x 5' (152cm)


DC Power Cable
2.1 - 2.1 mm
3 x 8" (20cm)
4 x 20" (51cm)
2 x 32" (81cm)
2 x 40" (102cm)


9V Battery Clip Cable
2.1 mm Male -
9V Battery Connector
1 x 20.5" (52cm)


Mini Jack Cable
2.1 - 3.5 mm Mini Jack
1 x 20.5" (52cm)


Current Doubler Cable
2.1 mm - 2 x 2.1 mm
1 x 21.5" (55cm)


DC Power Cable
2.1 - 2.5 mm
1 x 20" (51cm)


Polarity Inverter Cable
2.1 mm male -
2.1 mm female
1 x 5" (12.5cm)


USB Charging Cable
Type-C Male to
Type-A 3.0 Female
1 x 8" (20cm)

1x POWER SUPPLY



Image: The GTR-PWR-12 power supply unit and all included cables and accessories, neatly arranged.

4. PRODUCT FEATURES

- **Multiple Isolated Outputs:** 12 isolated outputs for flexible pedal power, including 18V, 9/12V (switchable), variable 4–9V for battery-simulation, high-current 9V (300mA & 500mA), 5V USB (2A), and an integrated

AC outlet.

- **2300mA Total Current:** Delivers a maximum of 2300mA.
- **Global Compatibility:** AC input supports 115V/230V (50–60Hz) for worldwide use; DIP switches allow voltage adjustment on select outputs.
- **Rugged Metal Housing:** Heavy-duty all-metal enclosure with slotted vents for heat dissipation.
- **Integrated Mounting Slots:** For easy pedalboard integration.
- **LED-Lit Power Switch:** For convenient on/off control.
- **Courtesy AC Outlet:** Rear-panel AC outlet for additional devices.
- **Gooseneck LED Light:** Included for pedalboard illumination.

5. SETUP INSTRUCTIONS

5.1. Initial Connection

1. Place the GTR-PWR-12 on your pedalboard or in a suitable location. The unit features integrated mounting slots for secure attachment.
2. Connect the included mains power cable to the AC input on the rear of the GTR-PWR-12.
3. Plug the other end of the mains power cable into a compatible wall outlet. Ensure the voltage selector switch (if applicable for your region) is set correctly (115V or 230V).



Image: The GTR-PWR-12 power supply mounted on a pedalboard with various guitar effects pedals connected.

5.2. Connecting Pedals

1. Identify the voltage (V) and current (mA) requirements for each of your pedals. This information is usually

found on the pedal itself or in its manual.

2. Match the pedal's requirements to the available outputs on the GTR-PWR-12. The unit offers a variety of fixed and adjustable outputs:
 - 2 x 18V DC @ 120mA
 - 3 x 9/12V DC @ 120mA (adjustable via DIP switches)
 - 2 x 4-9V DC @ 120mA (continuously variable voltage)
 - 2 x 9V DC @ 300mA
 - 2 x 9V DC @ 500mA
 - 1 x USB-C @ 5V/2A (10W)
3. For outputs 3, 4, and 5, adjust the voltage between 9V and 12V using the DIP switches located on the front side of the unit. For outputs 6 and 7, use the continuously variable knobs to set the voltage between 4V and 9V.
4. Connect each pedal to the appropriate output using the provided DC power cables. Ensure the polarity matches (center-negative is standard for most pedals; use the included polarity inverter cable if a pedal requires center-positive).
5. Connect your pedals to each other using patch cables to establish your signal chain.

ADJUSTABLE VOLTAGE



Image: Close-up of the GTR-PWR-12 showing the DIP switches for adjustable voltage on outputs 3, 4, and 5.

5.3. Cable Management

To maintain a tidy and professional setup, route all power and patch cables neatly. The GTR-PWR-12 can be mounted to allow cables to be tucked underneath the pedalboard, preventing tangles and accidental disconnections.

Your browser does not support the video tag.

Video: A demonstration by Gator Cases on how to set up and power a pedalboard using a Gator power supply, including connecting pedals and managing cables.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

Once all connections are made, press the LED-lit power switch on the front of the GTR-PWR-12 to turn the unit on. The LED will illuminate, indicating that power is being supplied to your pedals. Press the switch again to turn the unit off.

6.2. Using the USB-C Output

The USB-C output (5V/2A) can be used to power compatible USB devices, such as a tablet, smartphone, or the included gooseneck LED light for illuminating your pedalboard in dark environments.

6.3. Using the Courtesy AC Outlet

A courtesy AC outlet is provided on the rear panel of the GTR-PWR-12. This allows you to plug in an additional wall-wart device directly into the power supply, reducing the need for extra power strips.

7. MAINTENANCE

- Keep the unit clean by wiping it with a soft, dry cloth. Do not use liquid cleaners.
- Ensure the ventilation slots are free from dust and obstructions to maintain proper airflow.
- Regularly check all cables for signs of wear or damage. Replace any damaged cables immediately.

8. TROUBLESHOOTING

- **No Power to Pedals:** Ensure the mains power cable is securely connected and the power switch is on. Check the wall outlet for power.
- **Pedal Not Functioning:** Verify that the pedal's voltage and current requirements match the output it's connected to. Check the polarity of the power cable.
- **Unwanted Noise (Hum/Buzz):** Ensure all outputs are isolated. Check for proper grounding. Verify that the current draw of your pedals does not exceed the output's maximum current.

- **DIP Switch/Variable Output Issues:** Ensure DIP switches are fully engaged in the desired position. For variable outputs, confirm the knob is set to the correct voltage.

9. SPECIFICATIONS



Image: Detailed diagram of the GTR-PWR-12's output specifications, including voltage and current for each port.

Feature	Specification
Model Number	GTR-PWR-12
Item Weight	5.74 pounds (2.6 kg)
Product Dimensions	9.88 x 4.5 x 2 inches (251 x 114 x 50 mm)
Maximum Output Current	2300mA

AC Input Voltage	115V/230V (50–60Hz)
Output 1 & 2	18V DC @ 120mA
Output 3, 4 & 5	9/12V DC @ 120mA (DIP switch adjustable)
Output 6 & 7	4-9V DC @ 120mA (Continuously variable)
Output 8 & 9	9V DC @ 300mA
Output 10 & 11	9V DC @ 500mA
Output 12	USB-C @ 5V/2A (10W)
Courtesy AC Outlet	Yes



Image: Visual representation of the GTR-PWR-12's physical dimensions and weight.

10. WARRANTY INFORMATION

Gator Cases products are proudly developed and backed by our team in Tampa, Florida. This product comes with a Limited Lifetime Warranty, ensuring quality craftsmanship and responsive customer support. For detailed warranty terms and conditions, please refer to the official Gator Cases website or contact customer support.

11. SUPPORT

For further assistance, technical support, or to explore other Gator Cases products, please visit the official Gator Cases website: www.gatorcases.com