

Donner DP-1

Donner DP-1 Guitar Power Supply

INSTRUCTION MANUAL

1. Product Overview

The Donner DP-1 Guitar Power Supply is designed to provide stable and clean power to your guitar effect pedals. It features 10 isolated DC outputs, ensuring optimal performance and minimizing unwanted noise in your signal chain. The robust aluminum alloy housing makes it durable and portable for various environments.



Figure 1: Donner DP-1 Guitar Power Supply with 10 independent power interfaces, highlighting low noise, stable output, and 10 outputs.

- **10 Isolated Outputs:** Provides dedicated power to each pedal, reducing interference.
- **Noise Reduction Circuit Design:** Engineered to minimize noise for a cleaner audio signal.
- **Short Circuit Protection:** Each output is independently protected, ensuring other outputs continue to function if one experiences a short circuit.
- **Blue LED Indicators:** Bright blue LEDs indicate power status and short circuit conditions for

each output.

- **Durable Construction:** Made of aluminum alloy for lightweight portability and robust protection.

2. Setup Instructions

Follow these steps to set up your Donner DP-1 Guitar Power Supply:

1. **Connect the Main Power Adapter:** Plug the included DC 18V power adapter into the 'DC IN 18V' input on the power supply unit. Connect the adapter to a standard AC power outlet (100V-240V).
2. **Identify Output Requirements:** Determine the voltage (9V, 12V, or 18V) and current (mA) requirements for each of your guitar pedals. Refer to your pedal's manual or specifications.
3. **Connect Pedals to Outputs:** Use the provided power cables to connect your pedals to the corresponding outputs on the DP-1 unit. The outputs are labeled as follows:
 - Outputs 1-7: DC 9V, 100mA
 - Output 8: DC 9V, 500mA
 - Output 9: DC 12V, 100mA
 - Output 10: DC 18V, 100mA

Ensure the polarity of the power cable matches your pedal's requirements. A polarity reversal cable is included for pedals requiring center-positive polarity (standard is center-negative).

FOUR DIFFERENT SPECIFICATIONS OF OUTPUT

Numerous output interfaces adapt to kinds of pedals



Figure 2: Detailed view of the Donner DP-1 outputs, showing different voltage and current specifications for connecting various pedals.

4. **Organize Cables:** Arrange the power cables neatly to prevent tangling and accidental disconnections.

Package Contents:

The Donner DP-1 Guitar Power Supply package includes:

- DP-1 Guitar Pedal Power Supply Unit x 1
- DC 18V Power Adapter x 1
- DC Power Cables x 10
- Polarity Reversal Cable x 2
- User Manual x 1

PACKAGE INCLUDE



- | | |
|-------------------------------------|----------------------|
| ① DP-1 Guitar Pedal Power Supply ×1 | |
| ② DC 18V Power Adapter ×1 | ④ DC Power Cable ×10 |
| ③ Polarity Reversal Cable ×2 | ⑤ User Manual ×1 |

Figure 3: All items included in the Donner DP-1 Guitar Power Supply package.

3. Operating Instructions

Once connected, the Donner DP-1 is ready for use. The unit operates automatically when connected to power.

- **Power On:** The unit powers on automatically when the DC 18V adapter is plugged into a live AC outlet and connected to the DP-1.
- **Blue LED Indicators:** Each output features a bright blue LED. When a pedal is correctly connected and receiving power, its corresponding LED will illuminate.
- **Short Circuit Indication:** In the event of a short circuit on an output, the corresponding blue LED will turn off, indicating a fault. The independent short-circuit protection ensures that other

outputs remain operational.

- **Noise Reduction:** The built-in noise reduction circuit helps maintain a clean audio signal, minimizing hum and interference.



Figure 4: Blue LED indicators on the Donner DP-1, showing power status for each output.

4. Maintenance

To ensure the longevity and optimal performance of your Donner DP-1 Guitar Power Supply, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. Avoid using liquid cleaners or abrasive materials, as these can damage the finish or internal components.
- **Storage:** When not in use for extended periods, store the power supply in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Regularly inspect all power cables for any signs of wear, fraying, or damage. Replace damaged cables immediately to prevent electrical hazards or signal issues.
- **Ventilation:** Ensure the unit has adequate ventilation to prevent overheating. Do not block the ventilation holes.

5. Troubleshooting

If you encounter any issues with your Donner DP-1 Guitar Power Supply, refer to the following troubleshooting tips:

- **No Power to Unit:**
 - Check if the DC 18V power adapter is securely plugged into both the DP-1 unit and a working AC outlet.
 - Verify that the AC outlet is live by plugging in another device.
- **No Power to a Specific Pedal (LED off):**
 - The unlit blue LED indicates a short circuit or overload on that specific output.

- Disconnect the pedal from the affected output. If the LED turns back on, the issue is with the pedal or its cable.
- Check the power cable connecting the pedal to the DP-1 for damage or incorrect polarity.
- Ensure the pedal's voltage and current requirements do not exceed the output's specifications.

- **Excessive Noise/Hum:**


- While the DP-1 has noise reduction, ensure all cables are properly shielded and not running parallel to AC power cables.
- Verify that all pedals are connected to outputs matching their voltage and current requirements. Mismatched power can sometimes introduce noise.
- Test pedals individually to identify if a specific pedal is the source of the noise.


6. Specifications

Feature	Specification
Model Number	AS2401A
Input	DC 18V
Output 1-7	DC 9V, 100mA
Output 8	DC 9V, 500mA
Output 9	DC 12V, 100mA
Output 10	DC 18V, 100mA
Total Output Wattage	9 Watts
Item Weight	6.9 ounces (196g)
Product Dimensions	6 x 2 x 72 inches (150 x 50 x 30mm)
Material	Aluminum Alloy
Color	Black

ROBUST STEEL HOUSING

Reliable aluminum alloy shell material, easy to handle from basement to stage

 Dimension: 150x50x30mm

 Net weight: 196g

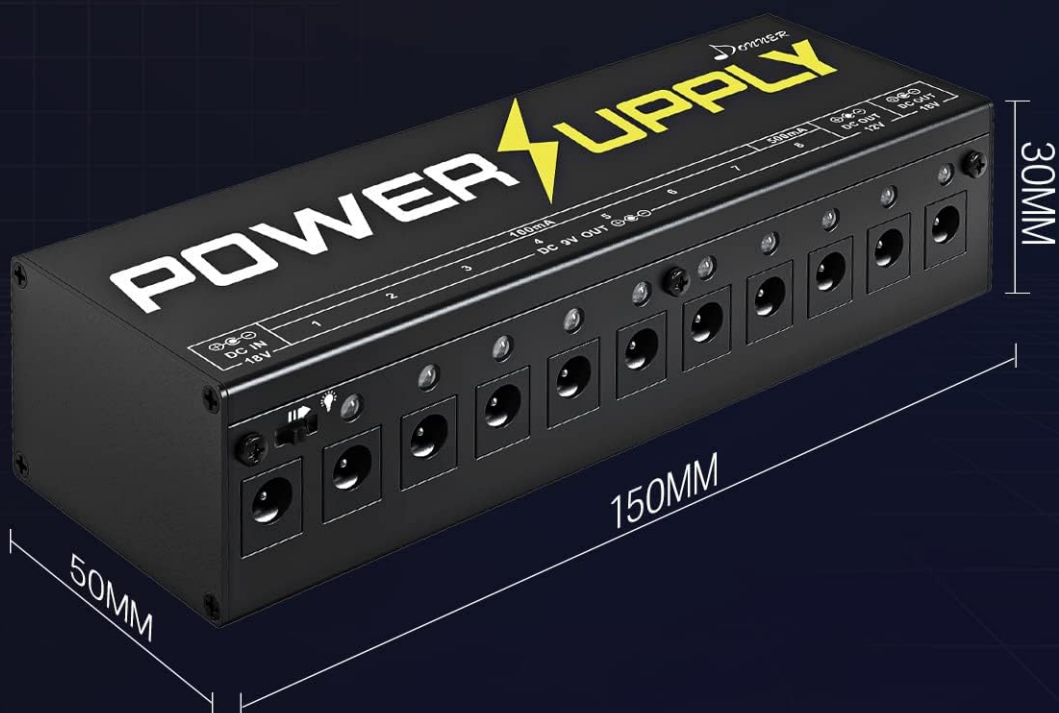


Figure 5: Dimensions of the Donner DP-1 Guitar Power Supply.

7. Warranty and Support

Donner is committed to providing high-quality musical instruments and accessories. For detailed warranty information, including coverage and duration, please refer to the warranty card included with your product or visit the official Donner Music website.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact Donner Music customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

Return Policy: This product is typically eligible for a 30-day free return. Please check the retailer's specific return policy at the time of purchase.

