PEDAL POWER® MONDO

Please register your Voodoo Lab product at **voodoolab.com/register**

Introduction

Pedal Power MONDO is a high-current capable supply that can power the largest and most diverse pedalboards. With twelve independent, filtered and regulated output sections, Pedal Power MONDO can properly power modern DSP-based effects and all 9V battery operated pedals and accessories.

Nearly all DSP-based effects made today are supplied with digital switching power adapters, which produce significant high frequency noise. Because Pedal Power MONDO is an audiophile quality linear (analog) supply, there are no digital artifacts to introduce into your signal path. And, its ultra low-noise design keeps the most sensitive vintage and boutique analog pedals dead quiet.

All linear, transformer-based power supplies generate heat. While other high-power linear supplies operate at excessively high internal temperatures (which will limit their long term reliability), Pedal Power MONDO includes many exclusive design features to keep internal temperatures within proper limits to guarantee long-term reliability.

Designed to meet the needs of professional users, Pedal Power MONDO provides clean, consistent power, even under the poor AC line conditions often found on stage. Completely isolated output sections eliminate ground loops and unwanted interactions between effects, resulting in lower noise and noticeably improved tone.

Unpacking

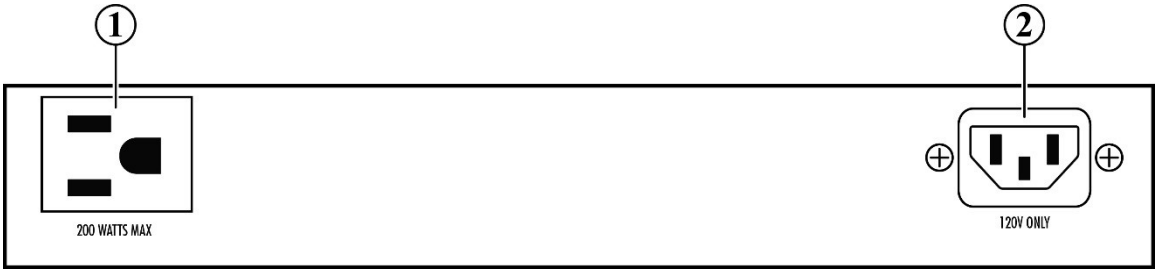
Your Voodoo Lab Pedal Power MONDO box contains the following:

- Pedal Power MONDO unit
- AC line cord
- DC Power cables

Connections

Pedal Power MONDO is powered directly from mains using the supplied AC line cord. This is a standard computer-type IEC line cord, so it's easy to obtain a replacement or different length.

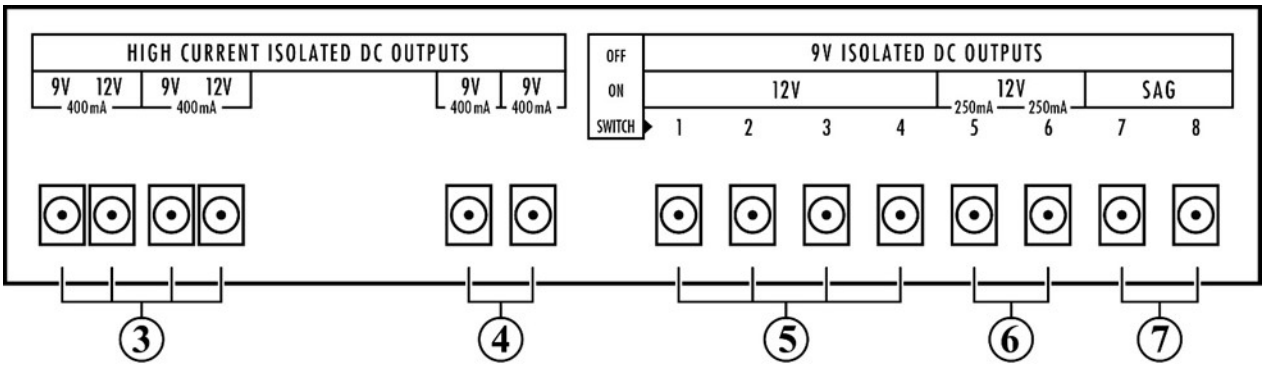
Important: *Pedal Power MONDO is manufactured to operate from a specific supply voltage (100V, 120V or 240V) which is marked on the bottom of the unit. Attempting to operate at the wrong voltage may cause permanent damage.*



(1) AC auxiliary. This is a courtesy AC outlet for convenient powering of AC powered effects or a MIDI foot controller. Note the 200 watt maximum rating. Do NOT plug in your amp here!

(2) AC power input jack. This is a standard "IEC-type" connector.

All 9V outputs can also power ordinary low-current battery operated pedals.



(3) 9V and 12V high-current output pairs. Each pair is an isolated output section providing up to 400mA.

Note: The 9V and 12V outputs within a pair are not isolated from each other. It is preferred to use only one from each pair. If using both, combined output should not exceed 400mA.

(4) 9V high-current outputs. Use for all devices which require 400mA or less.

(5) 9V (or 12V) outputs. Use for all pedals which operate from a 9V battery or require less than 100mA. Switchable to 12V via DIP switches.

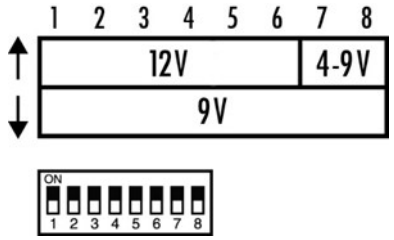
(6) 9V outputs. Use with 9V battery or high-current effects that require less than 250mA. Switchable to 12V via DIP switches.

(7) 9V (or SAG) outputs. Use for all pedals which operate from a 9V battery or require less than 100mA. Allows you to SAG voltage from 9V down to about 4V. Enable SAG control via DIP switches.

DIP Switches

On the bottom of MONDO is an 8 position DIP switch numbered 1-8. These switches correspond to outputs labeled 1-8 and select the output voltage. The switches should be

in the OFF position for standard 9V operation. Setting a switch to ON enables the alternate voltage.



Switches 1-4. These select 12V at 60mA. These can be used for older Boss pedals which specify the ACA type power supply.

Switches 5-6. These select 12V at 250mA.

Switches 7-8. These enable SAG controls. When switched on, the voltage is determined by the SAG control. You can adjust the voltage from 9V down to 4V to simulate a dying battery.

DC Power Cables

Important! *DC power cables with a red or white plug end are reverse polarity. Almost all pedal effects are standard polarity, using the wrong cable may damage them.*

The supplied DC power cables have a black “center negative” barrel on each end. This is the correct cable for almost all pedal effects.

The Pedal Power end of Voodoo Lab DC power cables have a black barrel connector. The other end has either another black barrel connector (standard center negative), 5.5x2.1mm *white* barrel (center positive), 5.5x2.5mm *red* barrel (center positive), or a 3.5mm mini-plug (tip positive). Use the standard black barrel connector cables with most common 9V battery operated pedals.

Before powering your pedal with a standard black barrel connector, you should verify that the pedal requires “center negative” polarity to prevent damage.

Additional Cables

Voodoo Lab can supply cables with different lengths, connectors or polarity. For more information, visit voodoolab.com/cables.

About Isolation

Pedal Power MONDO has 12 isolated output sections. This is sometimes referred to as “galvanic isolation” and means that there is no direct electrical connection between each output. Similarly, when you power your effects with batteries, they are also isolated because there is no electrical connection between the batteries.

Many common power supplies are not isolated. Their output jacks are simply bussed together or use a daisy chain cable. This allows unwanted electrical current to flow between the outputs, commonly called a ground loop. The result is added noise. The isolated outputs of Pedal Power MONDO eliminates this noise.

Another benefit of isolation is that you can power both negative ground and positive ground effects with Pedal Power MONDO. Negative ground effects are by far the most common, however the Fuzz Face and Octavia are some well known examples of positive ground circuits. Attempting to power positive ground pedals together with negative ground pedals from a non-isolated power supply will not work and may even damage the power supply.

There are a couple of other tricks you can get from an isolated supply like Pedal Power MONDO. You can use a special Y-cable (voltage doubler cable) which connects two 9V outputs in series to provide an isolated 18V, or use the 12V outputs to get 24V. Occasionally, a pedal requires a bipolar supply, using two batteries for +9V and -9V. Isolated outputs work fine for this, non-isolated supplies do not.

Specifications

Input: IEC connector
120V 50/60Hz (North America model)
100V 60Hz (Japan model)
230V 50/60Hz (Europe/Australia model)

Model and input power are marked on bottom of unit.

Outputs: 5.5x2.1mm barrel connectors center negative
Short circuit protected.

Physical: 10.75” x 3.4” x 1.75” (273 x 86 x 44 mm); 2.9 lbs (1.32 kg)

Special: Toroidal power transformer

WARRANTY (North America Only)

Voodoo Lab warrants this product against defects that are due to faulty material or workmanship for a period of five years from the date of original retail purchase. This warranty does not include damage to the product resulting from accident or misuse. This warranty is given to the original purchaser only and it is not assignable to any other person.

If the product should become defective within the warranty period, Voodoo Lab will repair it or replace it free of charge, provided it is returned freight prepaid to Voodoo Lab with a valid RMA (return material authorization) number.

This warranty shall not apply to any goods that have been repaired or altered by anyone other than the manufacturer. There are no warranties which extend beyond the terms described herein. Should you experience any difficulty with this Voodoo Lab product, contact us as described below. If it is determined that the product must be returned to the factory for repair, you will be issued an RMA and given shipping and packaging instructions.

Outside North America

Regions outside North American please contact your country's distributor for warranty information.

HOW TO REACH US

Tel: 707 545 0600
Email: info@voodoolab.com

rev. 7/26

Intertek
4010282

Conforms to UL STD 62368-1

Certified to CSA STD C22.2 No. 62368-1

Important Safety Instructions

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

WARNING: This apparatus shall be connected to a mains socket outlet equipped with a protective grounding connection.

Cet appareil doit être connecté à une prise secteur, prise de terre.

Finland / Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.
Norway / Apparatet må tilkoples jordet stikkontact.
Sweden / Apparaten skall anslutas till jordat uttag.

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Unplug this apparatus during lightning storms or when unused for long periods of time.

13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

14. The unit should be positioned so that the plug or cord are easily accessible.

15. Not for use near water, beer, or other splashing conductive liquids. Mains powered apparatus shall not be exposed to dripping or splashing and no objects filled with liquids (such as vases) shall be placed on the apparatus.