

PEDAL POWER® ISO-5

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Introduction

Pedal Power ISO-5 is an isolated power supply for powering guitar pedal effects and accessories. Its compact design is perfect for smaller pedalboards, rack shelves, or even as an additional power supply for larger boards. Pedal Power ISO-5 features five fully isolated, filtered and linear regulated output sections, which will keep even the most sensitive vintage and boutique analog pedals dead quiet.

Pedal Power ISO-5 includes a high-current output which will properly power modern digital power-hungry effects like those from Eventide, Line 6, Strymon, TC Electronic, Universal Audio and others. There's also a dedicated 18V output for those pedals which need the higher voltage for extra headroom.

Designed to meet the needs of professional musicians, Pedal Power ISO-5 will provide clean, consistent power, even with 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

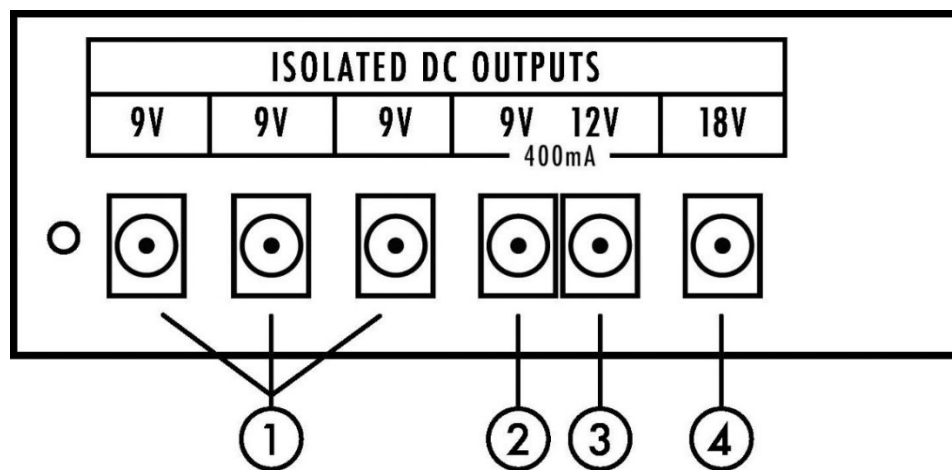
Your Voodoo Lab Pedal Power ISO-5 box contains the following:

- Pedal Power ISO-5 unit
- Warranty card
- AC line cord
- DC Power cables

Connections

Pedal Power ISO-5 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 ISO-5 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) 9V outputs (3). Use for all ordinary pedals which operate from a 9V battery or require less than 100mA.

2) 9V high-current output. Use for devices which require up to 400mA. This output can also power ordinary low current pedals.

3) 12V high-current output. Use for all devices which require 12V at 400mA or less. This output will also power Pedal Power X4 to add four isolated 9V outputs.

Note: The 9V and 12V high-current outputs are not isolated from each other. Combined output should not exceed 400mA.

4) 18V output. Use for 18V pedals which operate from two 9V batteries or require less than 100mA. Do not power 9V effects at 18V unless recommended by the manufacturer.

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

The DC power cables supplied with your Pedal Power ISO-5 are suitable for most common pedal effects. If you need additional cables, different lengths, reversed polarity, or a special connector, these are available from Voodoo Lab.

Visit voodoolab.com/cables for more information.

Isolation

Pedal Power ISO-5 has five 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. Sometimes they claim to be isolated when they simply have separate regulators for each output, which is also not isolated. 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 ISO-5 eliminate this noise.

Another benefit of isolation is that you can power both negative ground and positive ground effects with Pedal Power ISO-5. 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.

An isolated supply like Pedal Power ISO-5 can also use a special Y-cable (voltage doubler) which connects two 9V outputs in series to get an isolated 18V out.

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 the bottom of unit.

Outputs: 5.5x2.1mm barrel connectors center negative; Short circuit protected.
9VDC (3) - 100mA
9 and 12VDC - 400mA
18VDC - 100mA

Physical: 4.9" x 3.4" x 1.8" (124 x 86 x 44 mm); 1.24 lbs (0.56 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

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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 stikkontakt.

Sweden / Apparatens 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.