

TheGigRig High Current Adapter Manual

TheGigRig High Current Adapters work as part of our Modular Power Supply solution and are designed to provide clean, isolated, and reliable DC power. Each adapter effectively isolates the pedal as though its own individual external power supply is being used. Our High Current Adapters also have the advantage of reverse isolation, so any noise from crosstalk between the powered pedal and other pedals on your pedalboard is eliminated



Mr Universe is our newest HCA superseding the TimeLord and is designed to deliver power to modern devices such as the Line6 HX Stomp, Strymon and Universal Audio pedals

Our **SupaNova V2** (from March 2022) is ideal for any device needing 12V DC and can deliver up to 750 mA of super clean isolated power *

The **El Paso** was designed for use with pedals requiring 15V DC such as various Radial pedals

The **Doubler** delivers 18V DC, perfect for pedals that allow you to use higher than normal input voltage such as Origin, Fulltone and Analogman

The **ElectrΩMan** delivers 24vDC and was designed to power pedals such as the Electro-Harmonix Memory Man and the Diamond Pedals Vibrato

Modular Power Supply Example



*SupaNova V2 has been shipping from March 2022. All orders shipped after this date will have the higher current V2 version.

Instructions For Use:

The GigRig Generator connects directly to a Distributor, which then connects to our High Current Adapters (HCAs) and Isolators to power your pedals. Simply match the power requirement, connector, and polarity of your pedal to the chart below. For example: All Strymon pedals need a Mr Universe adapter as they use the industry standard 9V DC at 500mA with centre negative 2.1 mm plugs.

HCA technical specifications:

HCA	OUTPUT VOLTAGE	AVAILABLE CURRENT	CONNECTOR	POLARITY
Mr Universe	9V DC	1000 mA	2.1 mm	Centre Neg
Supa-Nova	12V DC	750 mA	2.1 mm	Centre Neg
El Paso	15V DC	350 mA	2.5 mm	Centre Pos
Doubler	18V DC	250 mA	2.1 mm	Centre Neg
ElectrΩMan	24V DC	250 mA	2.5 mm	Centre Pos

It's essential to power pedals correctly to get the most out of them, especially for the new breed of digital pedals from companies such as Strymon, TC Electronic, Universal Audio, Eventide, Empress Effects, Source Audio etc. TheGigRig High Current Adapters are designed to deliver all the current the pedal needs to operate at its best.

Non Standard Power Connections:

The standard power connector polarity is Centre Negative denoted by this symbol.  The most common size connector is 2.1mm. This combination of connector size and polarity is used on most pedals from Boss to Strymon, but some manufacturers do require a different connection such as some pedals from Line6 and Eventide. So how do we power those?

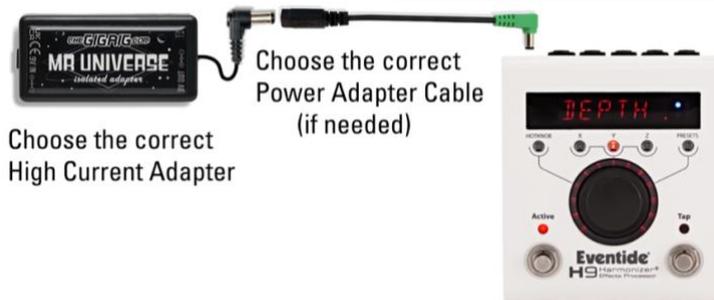
We manufacture a variety of power adapter cables giving you all the options you need to power every pedal on your board.

Let's look at how we would power an Eventide H9

The H9 needs 9V DC at 500mA, so we know we need a Mr Universe, however, the H9 uses a 2.5mm Centre Positive where the Mr Universe uses a standard 2.1mm Centre Negative.

All we need to do is connect a 2.1mm to 2.5mm Reverse Polarity adapter cable (commonly referred to as a 'Line6' connector), to our Mr Universe, and connect the adapter cable to our H9

Power Adapter Cables



DO NOT COVER THE HIGH CURRENT ADAPTER, IT MAY OVERHEAT AND SWITCH OFF

It is normal for the adapter to run warm.

Connect the **High Current Adapter** output either directly to the pedal or to the Power Adapter Cable, then to the pedal. Plug the 9V centre negative supply from the Distributor into the High Current Adapter input

DO NOT try and power an HCA from an **Isolator**. HCS'a are isolated and designed to be powered from a Distributor

Use the TheGigRig Generator only - We cannot guarantee the performance of the adapter from any other power supply

Over Current Protection:

The GigRig HCAs have a continuous current limit; however, the HCAs can deliver more current in short bursts (up to 1200mA) required by some pedals that have a high current start up procedure

Short Circuit and Temperature Protection:

Our High Current Adapters are fitted with an over temperature safety protector. If the adapter has its output short-circuited for more than a few seconds, the over temperature sensor will automatically switch off the DC output. When the short is removed, the HCA will take a few seconds to cool down and restore power to the output

Input Protection:

All our High Current Adapters have input protection. They will protect themselves from input reverse voltages by shorting its input and shutting down the main supply to protect itself and all other pedals

Safety: The GigRig High Current Adapter is designed for indoor use only - Don't get it wet

Technical Specifications:

Type: DC-DC full isolation. Overload, short circuit, and temperature protected

Temperature trip when left shorted or covered for long periods

Output Ground. The DC output is isolated from all earth

Input Voltage. 9v DC

Input is reverse diode protected

Regulations:

Your power supply conditioner conforms to BS EN 60950-2002 safety standard. Low voltage device

Warranty:

The GigRig warrants the product to be free from defects in material and workmanship for a period of 2 years from the original date of purchase. If the product fails within the warranty period, The GigRig will repair or, at our discretion, replace the product and cover the cost of return shipping to the original purchaser. This warranty covers defects in manufacturing discovered while using this product as recommended by The GigRig. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage, lightning, or natural disasters. Damage caused by any of the above circumstances may result in a non-warranty repair fee

Legal:

In the case of malfunction, the purchaser's sole recourse shall be repair or replacement, as described in the preceding paragraphs. The GigRig will not be held liable to any party for damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product. In no event will The GigRig be liable for more than the amount of the purchase price, not to exceed the current retail price of the product. The GigRig disclaims any other warranties, express or implied. By using the product, the user accepts all terms herein.

Disposal:

Return the unit to The GigRig Ltd for disposal or use standard disposal for electrical equipment recommended in your country



Approved. Fully compliant with the RoHS√ standard.