



# HIGH CURRENT ADAPTER MANUAL

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## 1. INTRODUCTION

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, it supercedes the TimeLord and is designed to deliver power to modern devices such as the Line6 HX Stomp, Strymon and Universal Audio pedals

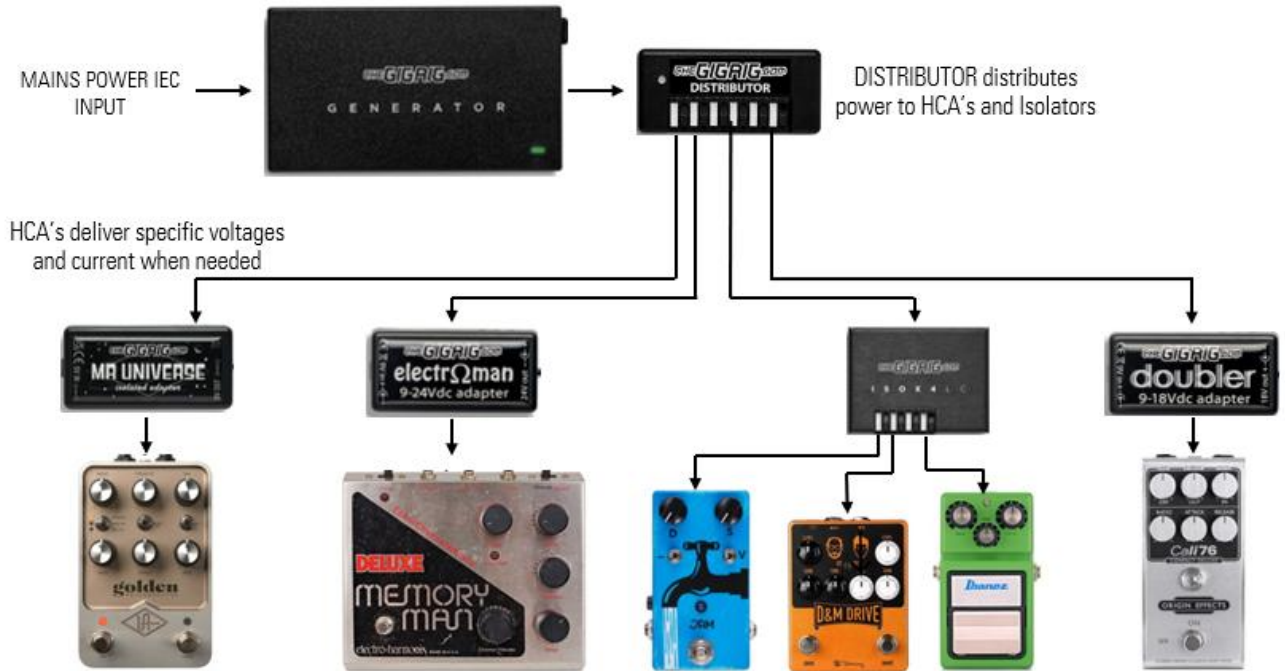
Our SupaNova V2 (from March 2022) is ideal for any device needing 12V DC and can deliver up to 750 mA of super clean, isolated power

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

The Doubler delivers 18V DC, perfect for pedals such as Origin Cali76, Fulltone FullDrive II and some Analogman pedals (always check that the pedal can take 18V)

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

2. MODULAR POWER SUPPLY EXAMPLE



### 3. INSTRUCTIONS FOR USE

The GigRig Generator connects directly to a Distributor, which then connects to our High Current Adapters (HCAs) and ISOX4 LC 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.

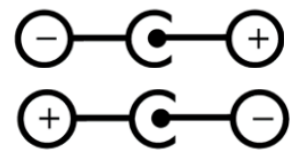
### 4. TECHNICAL SPECIFICATION

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 the required current each pedal needs to operate at its best.

### 5. 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 pedals do require a different connection such as the Eventide H9 or HX Stomp.

## Power Adapter Cables

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 the Mr Universe Adapter, and connect the adapter cable to the H9



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

However, 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 ISOX4 LC. HCA's 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.

## 6. OVER CURRENT PROTECTION

The GigRig HCA's have a continuous current limit, however, the HCA's can deliver more current in short bursts (up to 1200Ma dependent on the High Current Adapter in use) required by some pedals that have a high current start up procedure.

## 7. SHORT CIRCUIT AND TEMPRATURE 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.

## 8. 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!

## 9. TECHNICAL SPECIFICATION

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.

## 4 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:** TheGigRig contains no batteries or Lead. Return the unit to TheGigRig Ltd for disposal or use standard disposal for electrical equipment recommended in your country. Do not dispose of electrical equipment in household waste!

TheGigRig is protected by copyright, moral rights, patent and design registration.

'GigRig' is a stylized trademark. No 2343300

Any individual or company found copying the functionality, look or feel, circuits, circuit function or software functions for commercial gain will be liable for legal action. Licenses may be granted to non-competing companies.

The GigRig and its Power supply are RoHs compliant.

Tested and compliant to EN 60950 safety standard.

The power supply is approved to all USA and European

Regulations including UL. See separate instructions supplied with the power supply

Manufacturer: The GigRig Ltd, Unit 15 Whitehill Industrial Pk, Royal Wootton Bassett, SN4 7DB

Authorised Representative: EAS - Mustamäe tee 50, 10621 Tallinn, Estonia

Warning: For indoor use only. Keep away from water. Keep away from Children.

