

Mounting hardware

We've included all the needed hardware to mount the power supply on top or underneath a Pedaltrain pedalboard. You can of course also attach it to boards of other brands. Look on CIOKS web site for more information and mounting guides.

Not included accessories

Mains Link Adapter or Mains link cable

This adapter or cable type allows you to link two or more of the link power supplies together and power several units using one single mains power cord.

Mains Adapter – universal

This mains adapter is available as a kit incl. mounting hardware to secure the connection. It converts the IEC C13 mains outlet into two universal wall type mains outlets (one EU/US/UK type and one EU/US type) allowing you to connect two adapters of the plug-in type or any other mains powered appliances of your choice to it and power them via the courtesy outlet.

More Flex cables and Booster Flex

To power one pedal using one outlet you simply use a single suitable standard Flex cable and that's it. In case the plug type or length you need is not included with your unit there's a big selection of standard Flex cables to choose from and order them separately. In case of an odd voltage or current requirement you might need one of the Special Flex cables available. Please read more about these and how to use them on CIOKS web site. They really open up for even more versatility and flexibility in terms of what you can power with your unit.

Powering different pedal types

This issue is different for every individual rig, therefore please e-mail your specific questions regarding powering your pedals using CIOKS power supplies directly to support@cioks.com.

Technical specifications

AC mains input: 110-120VAC 60Hz or 220-240VAC 50Hz, max. 23W

AC mains output: same voltage as connected to AC input, max. current 2A~

Outputs: Outlet 1-2: 9 or 12V DC / 200mA, outlet 1 and 2 share the same GND
Outlet 3-4: 9 or 12V DC / 200mA, outlet 3 and 4 share the same GND
Outlet 5-6: 9 and 12V DC / 800mA, outlet 5 and 6 share the same GND*

* we recommend you use only one of the AC outlets 5 or 6

Size: 130x88x39mm (excl. rubber feet)

Weight: 1,0kg

Warranty period: 5 years worldwide

What's in the box?

- CIOKS AC Rider power supply
- mains power cord
- 9 Flex cables
- pedalboard mounting hardware incl. screws, washers, stand-offs and a hex key
- manual and Flex guide

CIOKS AC Rider link

Power Supply for Effect Pedals

User's Manual

reversion 1.0

Introduction

Since 1991 the Danish company CIOKS has been providing guitar and bass players with reliable power supplies dedicated for effect pedals. After our very first product CIOKS Baby power supply was out in 1991, the Big John and Double Jack were launched in year 1995. Three more units were introduced in 2007 forming our Standard range of dedicated power supplies for effect pedals.

To follow our slogan "More power, more features, more design", we have in 2013 launched CIOKS link range. Three of the Standard range products have been dramatically upgraded and went through a spectacular face-lift, where the only thing left are their original names. CIOKS Schizophrenic link, Big John link and AC Rider link were our new babies in year 2013. Small size, yet very powerful and each model with an individual character and force. The unique mains link feature allows you to merge two or more power supplies giving you the possibility to create a power supply bank matching your individual needs. Just one single mains power cord will power two or three power supplies, where you always have a courtesy AC mains outlet available on the last unit. You can of course also use them as standalone power supplies, getting just one to start with and extend with time.

The new CIOKS AC Rider link power supply is an excellent solution for powering small pedal boards with one pedal needing AC power source plus a mix of low current DC pedals and maybe a single medium current one. The first four outlets are divided in two isolated sections offering voltages 9 and 12V DC and a max. current of 200mA per section. For the AC pedal you have voltages 9 or 12V AC available on the last two outlets at a max. current of 800mA, which is enough to power almost any AC pedal on the market incl. the Line6 M9.

Features

- 6 outlets configured in 3 isolated sections
- powerful AC section with 9 or 12V AC
- short circuit protection of all outlets
- advanced LED monitoring of each section
- 120 or 230V mains voltage operation
- detachable mains power cord
- courtesy AC mains outlet
- CIOKS unique mains link feature
- 9 Flex cables included
- very easy mounting with pedalboards, all needed hardware included
- compatible with Pedaltrain pedalboards

Overview

Front

On the front of the enclosure you'll find 6 outlets of the power supply as RCA sockets where all four DC outlets are centre positive. Correct polarity for a pedal using DC is achieved by using the right Flex cable. With AC polarity doesn't matter.

The red settings switch with two white knobs placed just to the right of the outlets should be used to set the output voltage of outlets 2 and 4. The very left knob is for setting of outlet 2 and the second on the most right for outlet 4.

Knob no. *	Function	Knob down	Knob up
1	Outlet 2	9V DC	12V DC
2	Outlet 4	9V DC	12V DC

* counting from left, opposite order of the white digits on the red switch (if you can see them)

Top

CIOKS logo has a red LED placed in the middle of the letter 'O'. When this LED is lit the power supply is connected to mains and operates.

On top of the enclosure you see the output voltage and max. current rating of each outlet or section printed just above the outlet sockets. The top figure is the voltage and the DC or AC in the middle line tells you whether it's a direct or alternate current outlet. Outlets with two possible voltage settings 9 or 12V have both values stated. The bottom figure states the maximum current capability of each outlet in mA. Isolated sections with two outlets sharing the same GND have one common figure for maximum total current which can be put out from both outlets in the section.

The status of each isolated section or output is shown by a LED indicator also situated on top of the enclosure just above the voltage figure. The function of this advanced and unique monitoring feature is described in detail later on.

Left side

On the left side of the enclosure you'll find the AC power input connector, which is a C6 type according to the IEC 60320 standard also used in many laptop adapters. On the same side as the AC mains input you'll find the mains voltage selector switch and the fuse.

Mains voltage selector switch should be used for setting the correct mains voltage 115 or 230V. The Japanese version is made only for a 100V nominal mains voltage and has no mains voltage selector switch.

The fuse is the only part which may be replaced by the user. In case it's blown, replace with a 5x20mm, T 315mA (slow blow/time lag) type.

Right side

On the right side you'll find the AC mains courtesy outlet connector, which is a C13 type according to the IEC 60320 standard. The current drawn from this outlet should not exceed 2A.

Bottom

The four detachable rubber feet are situated on the bottom of the enclosure. On this same surface you'll find 5 holes with metric M4 threads, which should be used for easy mounting of the power supply to a pedal board. Do not use screws, which would go further than 5mm inside the unit. Have a look at the mounting guide on CIOKS web site.

Getting started

First make sure that the voltage value chosen on the voltage selector switch matches the mains voltage in your wall socket. Connect the mains power cord to the power supply and mains. Using the right Flex cable types connect your pedals to the outlets of power supply making sure that the voltage and current is correct for every pedal.

Advanced LED Monitoring feature

Each isolated outlet or section has its individual LED status indicator. The indicator is fully lit in normal operation of a particular outlet. Its light gets dim when you operate just on the edge of the current limit. If you overload or short circuit an outlet or section, the respective LED indicator turns off.

The LED indicators of outlets 2 and 4 with selectable output voltages 9 or 12V, also show you the voltage set by the settings switch. In case a higher voltage than the default 9V setting is selected for a given outlet, its respective LED indicator will be lit with higher intensity than the other indicators.

All indicators take into account the actual level of mains voltage when monitoring a possible overload. The current limits for each outlet or section of the power supply are specified at nominal level of the mains voltage. In Europe it's 230V, 120V in e.g. United States and 100V in Japan. If the mains voltage is higher than nominal, you can draw more current from the power supply than stated in the specifications. This would never be a problem. A more common situation though, is when the mains voltage is lower than nominal. In such a case maximum current ratings for each outlet or section might be diminished.

The advanced LED monitoring of each isolated section will alert you in case of an overload or short circuit. If such a situation happens you know where to look to solve the problem. Normally a glance at the LED status indicators will give you a proof of 100% clean power to your pedals.

Included accessories

Flex cables

CIOKS offers a great selection of different Flex cable types for connecting your pedals to the power supply. Below you see a list of the included Flex cables with your unit:

- Type 1 – black with 5,5/2,1mm centre negative DC-plug x5
- Type 2 – red with 5,5/2,1mm centre positive DC-plug x1
- Type 4 – green with 5,5/2,5mm centre positive DC-plug x1
- Type 5 – black with 3,5mm tip positive jack-plug x1
- Type 7 – blue with 2 pin DIN plug x1