

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 input: 110-120VAC 60Hz or 220-240VAC 50Hz, max. 25W

Outputs: Outlet 1-2: 9V DC / 100mA each, isolated
Outlet 3-4: 9 or 12V DC / 100mA each, isolated
Outlet 5-6: 9 and 12V DC / 300mA, outlets 5 and 6 share the same GND
Outlet 7-8: 9 and 12V DC / 300mA, outlets 7 and 8 share the same GND

Size: 146x88x35mm (excl. rubber feet)

Weight: 0,9kg

Warranty period: 5 years worldwide

What's in the box?

- CIOKS DC8 power supply
- mains power cord
- 11 Flex cables
- pedalboard mounting HW (mounting bracket, screws, washers, stand-off and hex key)
- manual
- product sheet (drill guide)
- Flex guide

CIOKS DC8

Power Supply for Effect Pedals

User's Manual

reversion 1.1 – March 2017

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. After a long break three more units were introduced in 2007 forming our Standard range of dedicated power supplies for effect pedals. The big breakthrough came in year 2010 where we've released the first products of the professional range with the DC10 as the most popular product. CIOKS became global with distributors and dealers worldwide. The DC8 was launched in 2011 along with AC8 as new members of our professional range just with a bit smaller size and price tag compared to DC10 – ideal for smaller pedal boards.

Features

- 8 outlets configured in 6 isolated sections with a total current of 1.000mA
- 2 powerful DC sections with 300mA each, able to power 2 higher current pedals like Strymon, Eventide or tc electronic
- offers DC voltages 9 and 12V but also 18 and 24V with Stack Flex
- high efficiency toroidal transformer
- short circuit protection of all outlets
- advanced LED monitoring of each section
- compatible with Pedaltrain and Temple Audio pedalboards, mounting hardware incl.

Overview

Front

On the front of the enclosure you'll find 8 outlets of the power supply as RCA sockets which all are centre positive. Correct polarity for the pedal is achieved by using the right Flex cable.

Top

On top of the enclosure you see the output voltage and max. current rating of each outlet printed just above the outlet sockets. The top figure is the voltage and the DC in the middle line tells you it's a direct current outlet. The bottom figure states the maximum current capability of each outlet in mA. Outlets 3 and 4 with two possible voltage settings have both values stated. 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 output section 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.

Back

In the space on the back of the enclosure you'll find the AC power input socket, mains voltage selector switch, fuse and the settings switch.

The AC power input socket is called C6 according to the IEC 60320 standard and it's the same type used in many laptop power supplies.

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 can be replaced by the user. In case it's blown, replace with a 5x20mm, T315mA (slow blow/time lag) type.

The settings switch should be used for changing the operation settings of the power supply.

Bottom

The four detachable rubber feet are situated on the bottom of the enclosure. On this same surface you'll find a table showing the different settings of the power supply, which you select using the settings switch on the back. Also here are the 6 holes with metric M4 threads, which should be used for easy mounting of the power supply to a pedalboard. 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 wall outlet. 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. Rock'n'Roll..! ...or JaZz!

Settings

To change the settings of the power supply you use the settings switch on the back of the enclosure. In the table below you can see the different settings:

No.	Function	Switch OFF (down)	Switch ON (up)
1	Outlet 3	9V DC	12V DC
2	Outlet 4	9V DC	12V DC

Voltage settings

Voltage of outlets 3 and 4 can individually be set to 9 or 12V with switch knobs no. 1 and 2, where the default value is 9V.

Features

Advanced LED Monitoring

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

The LED indicators of outlets 3 and 4 with selectable output voltages 9 or 12V, also show you the voltage chosen with 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. Default setting for outlets 3 and 4 is 9V and the higher value is 12V

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 and 120V in e.g. United States. 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 outlet 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. A glance at the LED status indicators and you have 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 6 – black with 9V battery clip	x1
Split Flex type 1 – black with two 5,5/2,1mm centre negative DC-plugs	x1
Stack Flex type 1 – black with 5,5/2,1mm centre negative DC-plug	x1

Mounting hardware

We've included all the needed hardware to mount the power supply on top or underneath a Pedaltrain or Temple Audio 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

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 or in the included Flex guide. They really open up for even more versatility and flexibility in terms of what you can power with your unit.