

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	x12
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	x3
Type 5 – black with 3,5mm tip positive jack-plug	x1
Type 6 – black with 9V battery clip	x1
Type 7 – blue with 2 pin DIN plug	x1
Split Flex type 1 – black with two 5,5/2,1mm centre negative DC-plugs	x1
3-way Daisy chain Flex – black with three 5,5/2,1mm centre negative DC-plugs	x2
Stack Flex type 1 – black with 5,5/2,1mm centre negative DC-plug	x1
Series Adapter Flex – 2x white / 1x black to be used with a standard Flex cable	x1

Split Flex or Daisy Chain Flex should be used if you'd like to power two or three pedals needing the same supply voltage using only one outlet. Stack Flex or Series Adapter Flex should be used to obtain 18, 24, 40V or other higher voltage values by using two of the power supply's outlets. For further information about Flex cables please have a look on our web site.

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.

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. 70W

Outputs:

Outlet 1:	4-15V DC adjustable / 100mA	Outlet 10-11:	9, 12 or 15V DC / 400mA
Outlet 2-4:	9V DC / 100mA each	Outlet 12-13:	9, 12 or 15V DC / 600mA*
Outlet 5:	18 or 24V DC / 100mA	Outlet 14:	9 or 12V AC / 800mA*
Outlet 6-7:	9 or 12V DC / 200 mA each	Outlet 15-16:	9, 12 or 16V AC / 800mA
Outlet 8-9:	9 or 12V DC / 400 mA each		* only one of these two sections can be used

Size: 292x98x35mm (excl. rubber feet) Weight: 1,6kg Warranty period: 5 years worldwide

What's in the box?

- CIOKS CIOKOLATE power supply
- mains power cord
- 24 Flex cables
- pedalboard mounting HW (2x mounting bracket, screws, washers, stand-offs & hex key)
- manual, product sheet (drill guide) and Flex guide

CIOKS CIOKOLATE

Power Supply for Effect Pedals

User's Manual

revision 1.3 – March 2020

Introduction

Since 1991 the Danish company CIOKS has been providing guitar and bass players with reliable power supplies dedicated for effect pedals. To mark the 20th anniversary of the company we've made the most powerful and versatile power supply for effect pedals on the market – CIOKS CIOKOLATE. With some additions and a slightly different design we've put the DC10 and AC10 power supplies in one enclosure. Loads of power, almost endless compositions of different voltages and a great selection of included Flex cables make this power supply a really strong tool for powering big pedalboards with many different pedals. CIOKS CIOKOLATE power supply will power several high current digital pedals, high voltage 18, 24 or even 40V pedals, one or two AC pedals, one or two Radial Tonebone pedals or simulating a dying battery it will power your old favourite fuzz or overdrive. On top of that it will of course also power all your standard 9V pedals from its many isolated outlets.

Features

- 16 outlets configured in 12 isolated sections
- two toroidal transformers with additional magnetic field shielding
- four powerful DC sections, three with 400mA each and one with 600mA
- two powerful AC sections with 800mA each and voltages 9, 12 and 16V AC available
- two 15V outlets for Radial Tonebone pedals or other Radial units
- possibility of 18 or 24V from a single outlet
- with Stack Flex the possibility of powering a 40V pedal
- one outlet with adjustable voltage in the range 4-15V
- short circuit protection of all outlets
- advanced LED monitoring of each section
- 120 or 230V mains voltage operation
- total of 24 included Flex cables
- microprocessor controlled silent fan to ensure optimal operating temperature for long term reliability
- compatible with Pedaltrain and Temple Audio pedalboards, mounting hardware incl.

Overview

Front

On the front of the enclosure you'll find 16 outlets of the power supply as RCA sockets where all DC outlets are centre positive. Correct polarity for the pedal is achieved by using the right Flex cable. On the most left side of the front you have a knob, which adjusts the output voltage of the first outlet in the range 4-15 V. The middle 12 o'clock position corresponds to 9V. Fully clockwise you get 15V and fully counter clockwise 4V. On the most right side of the front panel you'll find the settings switch.

Top

CIOKS logo on the left side has a bigger red LED placed in the middle of the letter 'O'. Right after the power supply is turned on, it states your power supply's serial number by blinking the digits. Then it goes into the temperature depending 'breathing mode' or stays lit depending on the setting.

The status of each isolated output section is shown by smaller LED indicators also situated on top of the enclosure. The function of this advanced and unique monitoring feature is described in detail later on. Just below these LED indicators or white dots you see the output voltage and max. current rating of each outlet stated. The first figure is the voltage. The middle line tells you whether it's a DC (direct current) or AC (alternate current) outlet. The bottom figure states the maximum current capability of each outlet in mA. Outlets with two possible voltage settings have both values stated e.g. 9/12 or 12/15. Isolated sections with two outlets sharing the same GND have one common figure for maximum current which can be put out from both outlets in the section. The first outlet has adjustable output voltage in the range 4-15V.

Back

In the space on the back of the enclosure you'll find the AC power input socket, mains voltage selector switch and the fuse. The AC power input socket is called C6 and is 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, T 1.0A (slow blow/time lag) type.

Bottom

Six 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 front panel. 8 holes with metric M4 threads also on the bottom 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. Using the correct Flex cable types connect your pedals to the outlets of power supply making sure that the voltage is correct for each pedal and that you're not overloading any of the outlets.

Settings

To change the settings of the power supply you use the settings switch on the right side of the front panel of the enclosure. In the following table you can see the different settings. This table can also be found printed on the bottom side of the power supply.

No.	Function	Switch OFF (knob down)	Switch ON (knob up)	No.	Function	Switch OFF (knob down)	Switch ON (knob up)
1	Outlet 5	18V DC	24V DC	6	Outlet 11	12V DC	15V DC
2	Outlet 6	9V DC	12V DC	7	Outlet 13	12V DC	15V DC
3	Outlet 7	9V DC	12V DC	8	DC or AC	DC mode	AC mode
4	Outlet 8	9V DC	12V DC	9	Outlet 14	9V AC	12V AC
5	Outlet 9	9V DC	12V DC	10	Outlet 16	12V AC	16V AC

Voltage settings

The output voltage of nine of the power supply's 16 outlets can individually be set to one of two different values. The default setting is the OFF position of the setting switch and corresponds to the lower voltage value. Which of the ten knobs to use for which outlet is stated in the table shown above or on the back of the power supply. This information is also easy accessible on top of the unit as small black digits stating which knob corresponds to which outlet.

DC or AC operation of section 11 (outlets 12-14)

The power supply's eleventh isolated section can operate either in DC or AC mode, not both at the same time. In the default OFF setting of settings switch knob no. 8 you have section 11 operating in the DC mode. The red LED indicator above outlet 13 is lit and you have 600mA available at voltages 9, 12 or 15V DC from outlets 12 and 13. In ON position of settings switch knob no. 8 you activate the AC section, while the DC section is turned off. The yellow LED indicator above outlet 14 is lit and you have 800mA available at voltages 9 or 12V AC from outlet 14. The AC voltage of outlet 14 is set using the settings switch knob no. 9.

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 with selectable output voltage also show you the voltage chosen. In case a higher voltage than the default 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 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.

Breathing 'O' LED

The LED in the letter 'O' has two main functions. Just after the power supply is connected to mains and starts to operate, the LED states the serial number of your unit by blinking each digit if the number. Then depending on the setting it either starts to 'breathe' or stays lit showing that the power is on. The 'breathing' frequency is dependent on the temperature inside the power supply and with higher temperature the 'breathing' gets more frequent.