

Powering CIOKS 4 with a powerbank or other USB source

If you wish to power CIOKS 4 with a powerbank, a USB adapter or other USB source you must use a cable with a USB A plug at one end and a USB C plug at the other end which goes into CIOKS 4. A cable with USB C plugs at both ends will not work. Preferably use a high-quality cable intended for charging having a lower resistance and avoiding losing power in the cable and connectors. Powerbanks with 3A of output current capability will give you the maximum output power of CIOKS 4 when powered of a powerbank. That is 9W of output power corresponding to approx. 1000mA at 9V DC for your pedals.

Powering different pedal types

Each individual rig is different, therefore if you have questions about using the CIOKS 4 power supply please e-mail your detailed questions including the power requirements of your specific pedals directly to support@cioks.com.

Not included accessories

CIOKS Mini GRIP

The Mini GRIP bracket allows easy and drill-free mounting of CIOKS 4 power supply below any Pedaltrain board except the smallest Nano model (order no. MGRIP).

Hex stand-offs

A set of four 8mm hex stand-offs (only 3 need to be used) to make an offset and space for the finger screws in-between the power supply and a Templeboard (order no. 4HEX).

Technical specifications

Input 1: 5V DC, max. 3A (USB C socket)
Input 2: 9-24V DC or 9-12V AC, max. 2A (non-polarized 5,5/2,1mm DC socket)

Outputs 1-4: 9V DC / 660mA or
12V DC / 500mA or
15V DC / 400mA or
18V DC / 330mA each

Total output power is max. 24W provided an appropriate and sufficient input power source is applied.

Size: 74x88x25,4mm / 2.9x3.5x1.0" (excl. rubber feet)
Weight: 230g / 0.5 lb

Warranty period: 5 years worldwide

What's in the box?

- CIOKS 4 power supply
- 5 Flex cables
- 50cm DC Link cable
- Mounting hardware (2 screws and a hex-key)
- Product sheet (drill guide)
- Flex and DC Link cable selection guide
- Sticker (sheet with 4pcs.)
- Manual

CIOKS

CIOKS 4 – Expander Kit

Power Supply for Effect Pedals



User's Manual

Version 1.03 – December 2019

Introduction

Since 1991, the Danish company CIOKS has been providing guitar and bass players with reliable power supplies dedicated for effect pedals. After more than a quarter of a century, CIOKS has designed the CIOKS 4 power supply which is part of our Future Power Generation professional power supply product range. CIOKS 4 is designed to be used with up to four high current pedals (as well as others with lower current draw) with super flexible input power options. Our new CIOKS 4 power supply is a great choice for small pedalboards or as an expansion of your existing DC7 unit.

Features

- Expand your CIOKS DC7 power supply with 4 additional isolated outlets
- Small and light stand-alone power supply for a small pedalboard
- Use almost any DC or AC adapter to power CIOKS 4, also the 1-SPOT or GigRig Generator
- Power CIOKS 4 with a USB C source like a powerbank
- Slim 1-inch profile (25,4mm), only 230g (0.5 lb)
- Ultra-low noise achieved by multi-stage filtering
- 4 isolated DC-outlets, 6W each (660mA at 9V on each outlet)
- 4 selectable voltages on each outlet (9, 12, 15 or 18V)
- Individual status LED on each outlet and global status LED
- Total maximum output power 24W
- Mounting hardware for Pedaltrain and Temple Audio boards included
- Compatible with CIOKS Mini GRIP for drill-free Pedaltrain mounting
- 5 Flex cables included
- Designed in Denmark, assembled in Poland
- 5-year worldwide warranty

Overview

Left

On the left side you will find the USB C and the non-polarized DC input sockets and the four RCA sockets being outlets 1-4 for powering pedals.

Top

CIOKS logo has a red LED placed in the middle of the letter 'O' and this functions as a global status indicator. For each outlet you have a voltage selector switch and an advanced LED indicator.

Front

The two holes in the front with metric M4 threads are to be used with the Mini GRIP bracket (sold separately) for mounting to Pedaltrain boards with no drilling required.

Bottom

The four detachable rubber feet are situated on the bottom of the enclosure. On this same surface you will find 3 holes with metric M4 threads which should be used for mounting of the power supply to a pedalboard.

Getting started

Connect a supply voltage to CIOKS 4 power supply within the specified type and range. Set the output voltage on a given outlet to either 9, 12, 15 or 18V depending on the needs of the particular pedal to be powered. Using the right Flex cable type connect your pedal to this outlet. Repeat this with your remaining pedals.

Advanced LED Monitoring feature

Each isolated outlet has its individual LED status indicator. The indicator is lit in normal operation. The LED light gets dim when you operate just on the edge of the current mA limit for the voltage you have chosen on the given outlet. If you overload or short circuit an outlet, the respective LED indicator turns off. The light intensity of the status LED will be higher when the output voltage is set to a higher value than 9V being 12, 15 or 18V.

Global status indicator

If COKS 4 power supply is powered of a solid power source sufficient to provide enough power and everything functions normally the red LED inside the O letter in CIOKS logo will be lit. If the source supplying CIOKS 4 power supply is too weak and the voltage on the input of CIOKS 4 is too low the indicator will turn off.

Pedalboard mounting

General

The most solid way is using the drill template being the product sheet and then drill two diagonally positioned $\varnothing 4,5\text{mm}$ or $\varnothing 5,0\text{mm}$ holes in the pedalboard and fasten the CIOKS 4 to it with the two included screws. Due to CIOKS 4 extremely flat profile and low weight you can use Dual-Lock tape or industrial Velcro to fasten it below any type of pedalboard. In general for mounting in a rack, pedalboard or other structure we recommend using two of the five threaded M4 holes (3 in the bottom and 2 in the front) and matching metric M4 screws. Remember not to penetrate the CIOKS 4 with more than 5mm with the screws used.

Pedaltrain

For Pedaltrain boards we recommend an easy alternative way of mounting CIOKS 4 unit by using the Mini GRIP bracket where no drilling is needed.

Temple Audio

The three threaded M4 holes in the bottom of CIOKS 4 are aligned with the grid of Templeboards and allow for very easy mounting on top or below any Temple Audio pedalboard with the included 2 screws. We recommend using the two holes positioned diagonally. If you want to make a distance between the board's surface and the CIOKS 4 to allow space for the Temple Audio finger screws you should get a set of three 8mm hex stand-offs with matching screws (order no. 4HEX) and then use these with all three threaded holes in the bottom of the power supply.

Included accessories

Flex cables

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

- Standard Flex type 1 – black with 5,5/2,1mm centre negative DC plug x4
- 3-way daisy chain Flex type 1 – black with three 5,5/2,1mm centre negative DC plugs x1

The 3-way daisy chain Flex should be used if you wish to power three pedals with the same voltage using only one outlet. For further information about all CIOKS Flex cables please have a look at the included Flex cable selection guide or visit CIOKS web site.

DC Link cable

A DC Link cable in 50cm length is included and should be used to connect CIOKS 4 power supply to CIOKS DC7 power supply's 24V DC outlet. You can also use this cable to connect and power CIOKS 4 of another compatible 24V DC source.

Mounting hardware

We have included all the needed mounting hardware to mount the power supply on top or underneath a Pedaltrain or a Temple Audio pedalboard. You can of course also attach it to other types of pedalboards.

CIOKS 4 output power capability

A solid DC source of minimum 17V DC is needed to obtain full 24W of output power capability from CIOKS 4. If a lower voltage is applied to the DC input socket or you are powering the unit of a USB source its output power capability will be lower than the 24W. The table below shows the maximum output power of CIOKS 4 depending on the type and voltage of power source which is used to power it.

Input	Input voltage	Input current	Output power	Total output current @ 9V
1	9V DC	2A	10,8W	1200mA
1	12V DC	2A	15,3W	1700mA
1	15V DC	2A	19,8W	2200mA
1	>17V DC	max. 2A	max. 24,0W	max. 2640mA
1	9V AC	2A	6,3W	700mA
1	12V AC	2A	10,8W	1200mA
2	5V DC	2A	6,3W	700mA
2	5V DC	3A	9,0W	1000mA