Technical specifications

AC mains input: 90-265VAC, 50-60Hz, max. 58W

Outputs 1-3: 9V DC / 660mA each

Outputs 4-7: 9V DC / 660mA or
12V DC / 500mA or
15V DC / 400mA or
18V DC / 330mA each

USB outlet: 5V DC / max. 1A
AUX outlet: 24V DC / max. 2A

Total maximum output power: 48W when drawn from the AUX outlet only
42W when drawn from Outlets 1-7 and the USB outlet

Size: 160x88x25,4mm / 6.3x3.5x1.0” (excl. rubber feet)

Weight: 0,5kg / 1.1 lb

Warranty period: 5 years worldwide

What’s in the box?

- PowerMAX power supply
- Mains power cord
- 13 Flex cables
- Mounting hardware (2 screws and a hex-key)
- Manual
- Product sheet (drill guide)
- Flex guide

Eventide®

PowerMAX

High Current Universal DC Power Supply with USB



User’s Manual

Version 2.01 – November 2021

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 next Future Power Generation professional power supply dedicated to powering up to seven Eventide (as well as other high current pedals) alongside providing power for a smartphone or a tablet via the USB outlet. The result is the Eventide PowerMAX™.

Features

- Trim 1-inch profile (25,4mm), only 1.05 lb (480 grams)
- 2-stage switch-mode power supply topology
- Ultra-low noise achieved by multi-stage filtering
- 7 isolated DC-outlets, 6W each (660mA at 9V on each outlet)
- 4 selectable voltages on 4 outlets (9, 12, 15 or 18V)
- Charge your phone or tablet with 5V USB outlet (max. 1A)
- Expand via 24V AUX outlet with Eventide PowerMINI for more isolated outlets
- Individual status LED on each outlet and global status LED
- Built-in true power meter showing the total load
- Total maximum output power 48W
- Use anywhere in the world, universal mains input voltage 90-265V AC
- Mounting hardware for Pedaltrain and Temple Audio boards included
- Compatible with CIOKS GRIP for drill-free Pedaltrain mounting
- 13 Flex cables included
- Designed in Denmark, assembled in Poland
- 5-year worldwide warranty

Overview

Left + Right

On the left side you will find the AC mains input as a standard IEC C14 socket and outlets 1-3 for powering pedals. On the right side you have outlets 4-7, the 5V USB outlet for charging your smartphone or tablet and the 24V AUX outlet for expanding with PowerMINI or powering another 24V DC device.

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. The three LEDs in the true power meter is also situated on the top of the enclosure. A legend in the middle shows the voltage switch settings with corresponding output voltage values and the maximum current rating at the selected voltage.

Front

The two holes in the front with metric M4 threads are to be used with the 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 the mains power cord to the power supply and AC mains. Use an output with voltage 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 the outlet. Repeat this with your remaining pedals.

Powering Eventide pedals

Eventide pedals should be connected to the power supply using green Flex cables which have a 5.5/2.5mm positive centre DC plug at the pedal end. There are five of these green Flex cables included and they allow connecting five Eventide pedals to the power supply. Eventide pedals can be powered with either 9 or 12V.

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 higher 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 on outlets 4-7.

True power meter

The three small 2mm LEDs on top of the PowerMAX form a true power meter showing the total load of the power supply. When none of these three LEDs are lit the total load is below 40% of the total available power. When the load is above 40% you see the green LED turn on. At loads higher than 70% both the green and yellow LEDs are lit. When you exceed 90% of the total maximum load all three LEDs will be lit.

Global status indicator

If the PowerMAX operates within the total maximum power limit and everything functions normally the red LED inside the letter O in CIOKS logo will be lit. If the power supply is globally overloaded this global status indicator will turn off. The operation of the PowerMAX is maintained and your pedals are still powered. The show must go on, but you are just about to lose it. If the overload is severe the PowerMAX goes into hiccup mode and the power to your pedals is cut off. This will not damage your pedals.

Pedalboard mounting

Pedaltrain

For PowerMAX we recommend three ways of mounting to a Pedaltrain pedalboard. The most solid way is using the drill template to drill two diagonally positioned 4.5 or 5.0mm holes in the pedalboard and fasten the PowerMAX to it with the two included screws. An easy alternative way is to use the GRIP bracket where no drilling is needed. Due to the PowerMAX's extremely flat profile and low weight you can use Dual-Lock tape or industrial Velcro to fasten it below any type of Pedaltrain pedalboard.

Temple Audio

The three threaded holes in the bottom of the PowerMAX are aligned with the grid of the Templeboard 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 PowerMAX 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. 3HEX) and then use these with all three threaded holes in the bottom of the PowerMAX.

Other pedalboard types

For other pedalboard types we recommend using one of the four mounting methods described in the two sections above or by other means using some of the five threaded M4 holes and metric M4 screws. Remember not to penetrate the PowerMAX by more than 5mm with the screws used.

Included accessories

Flex cables

Eventide 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 center negative DC plug x5
- Standard Flex type 2 – red with 5.5/2.1mm center positive DC plug x1
- Standard Flex type 4 – green with 5.5/2.5mm center positive DC plug (Eventide) x5
- Split Flex type 1 – black with two 5.5/2.1mm center negative DC plugs x1
- 3-way daisy chain Flex type 1 – black with three 5.5/2.1mm center negative DC plugs x1

Split Flex should be used if you would like to power two pedals with the same voltage using only one outlet. In the same manner you should use the 3-way daisy chain if you wish to power three pedals of one outlet. For further information about Flex have a look at the included Flex cable selection guide or to purchase additional Flex cables please visit: https://store.eventideaudio.com/collections/cables

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. Please have a look at the mounting guide on CIOKS web site for a step-by-step mounting guide. You can of course also attach it to other types of pedalboards.

Not included accessories

The GRIP

This patent pending bracket can be purchased separately and is an easy and drill-free way to mount the PowerMAX below any Pedaltrain board except the smallest Nano model.

Powering different pedal types

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

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