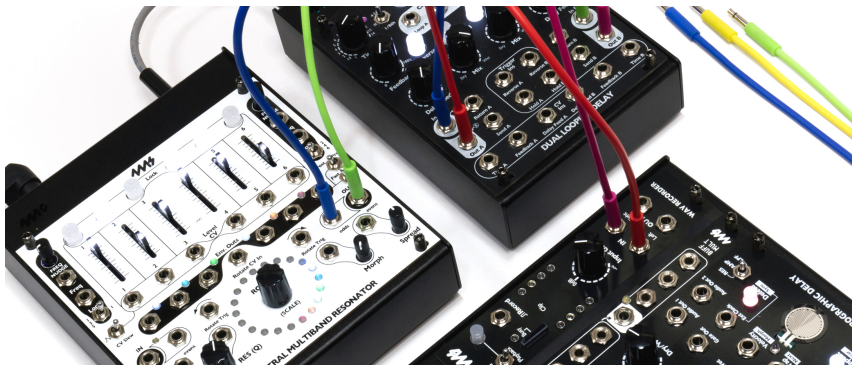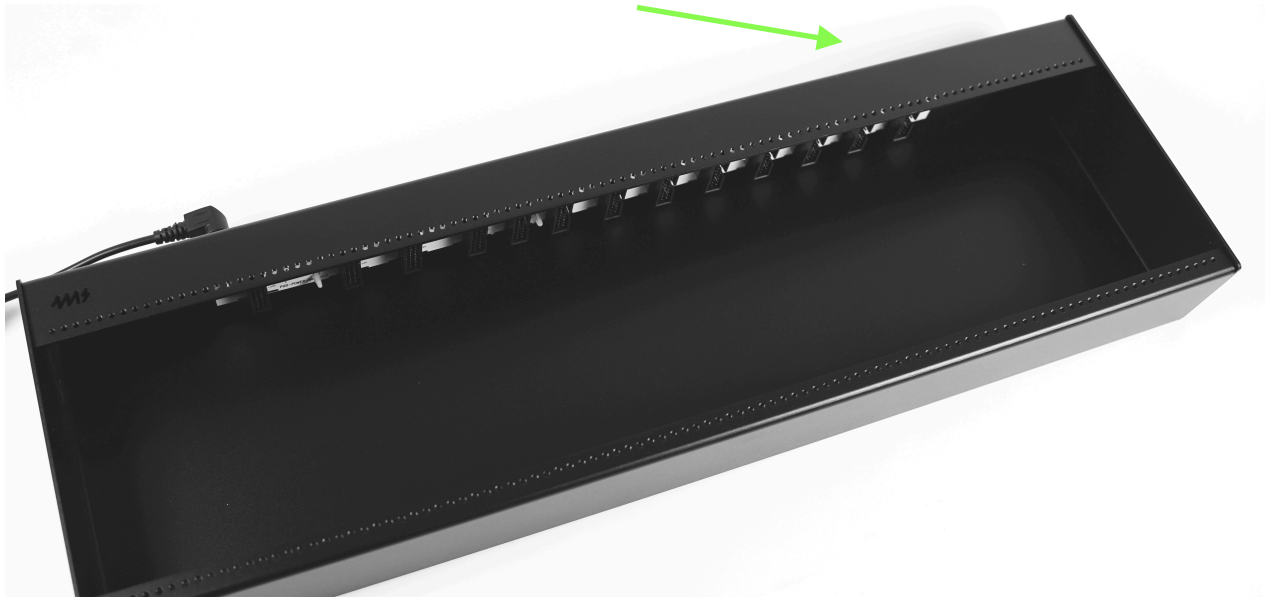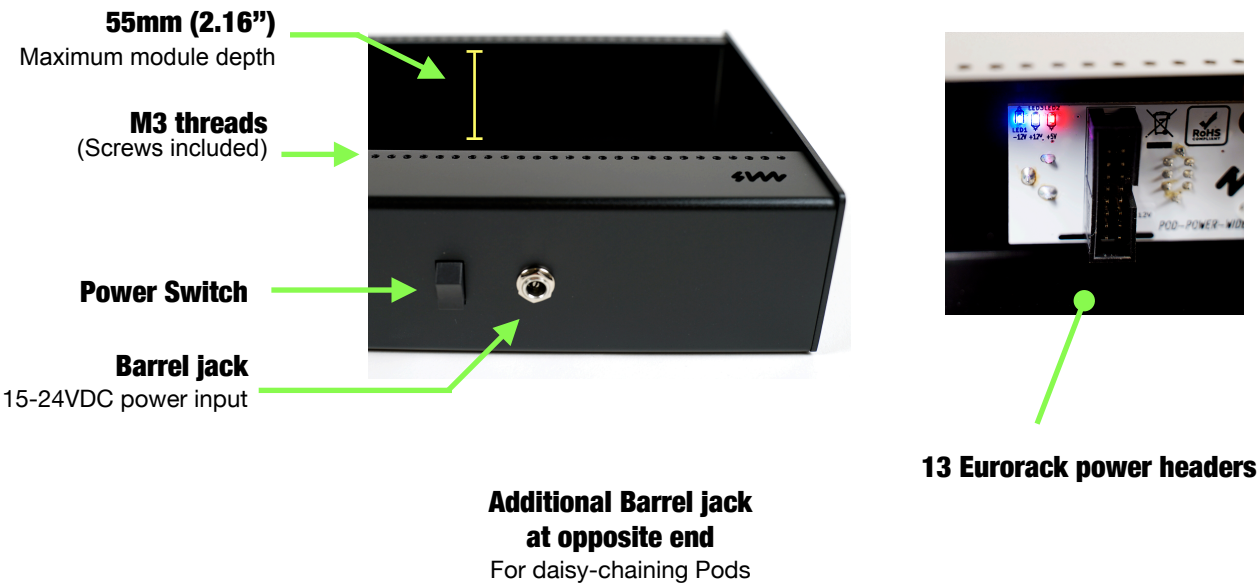# Pod 104X
Eurorack Enclosure from 4ms Company
Usage Guide 1.1 – March 12th, 2025

The 4ms Pod104X is a 104HP low-cost, portable, compact enclosure that turns Eurorack modules into a table-top instrument. Pods come with an integrated power supply which allows you to daisy-chain multiple units in different configurations using only a single power brick.
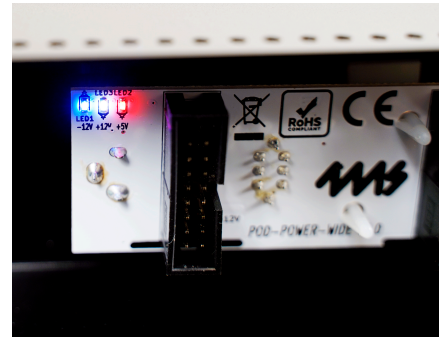
Overview

55mm (2.16")
Maximum module depth

M3 threads
(Screws included)

Power Switch

Barrel jack
15-24VDC power input

13 Eurorack power headers

Additional Barrel jack at opposite end
For daisy-chaining Pods

Installing a module

Congratulations on your purchase of a Pod! It's easy to install a standard Eurorack module in a Pod:

(1) Unplug barrel cables and power brick cables from the Pod.
(2) Attach your module's power ribbon cable to a 16-pin power header on the Pod.
   The Pod power header is keyed so that the cable cannot be inserted upside-down. The red stripe should be down, and should connect to the -12V on the module.
(3) Connect the other end of the ribbon cable to your Eurorack module (unless it's already be attached, of course!)
(4) Place the module into the Pod so that all screw holes on the module's faceplate line up with the screw holes on the Pod.
(5) Use M3 screws (included with Pod) to secure the module's faceplate to the Pod.
(6) Repeat steps 2-5 to install more modules. If you need to install more modules than there are power headers, you can use a Multi Power Cable.
(7) Power on the Pod by plugging a power brick into either one of the jacks on the back of the Pod.
   Or, if you already have another Pod that's receiving power, you can daisy-chain the new Pod using a barrel cable.
(8) Optional: you may attach the included adhesive rubber feet to the bottom of your Pod. To use Pods on a pedalboard, you may attach Velcro or hook-and-loop fastener instead (not included)

Warning: If a screw seems to be unusually tight or pointing at an angle other than vertical, back it out and try again. The threads on the Pod's screw holes can be permanently damaged by forcing a screw that's the wrong size or installed at an angle.
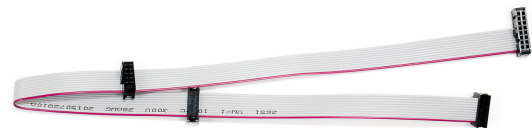
Power

The Pod104X has an integrated power supply with thirteen standard Eurorack power headers. All Pods work with all modules that use 10 and/or 16-pin power cables.

Power Bricks

To supply power, plug a Power Brick (sold separately) to either one of the jacks on the back of the Pod. Wherever Pods are sold, you can purchase a Power Brick that's compatible with the Pods. You also can use the Power Brick sold for use with the Row Power system (90W Brick). Or you can use your own power brick as long as it meets these specifications:

- *Voltage*: 15VDC to 24VDC (19 - 20VDC is common)
- *Style*: 2.1mm positive tip barrel plug (5.5mm outer diameter)
- *Wattage or amperage*: No particular specification is required. Virtually every modern power brick will be able to power a few daisy-chained Pods. We sell a 45W brick and a 90W brick, either of which are sufficient for a large system of daisy-chained Pods.

Multi Power Cables

If you need to install more than 13 modules in your Pod, you can use a Multi Power Cable, available wherever Pods are sold. One end plugs into the power header on the Pod, and the other connectors plug directly to modules. Each Multi Power Cable can power three modules from one power header. Multi Power Cables come in two varieties: 10-pin, and 16-pin. Choose the one that matches the type of power cable on your modules.

Daisy-chaining

Pods are meant to be daisy-chained. When you plug a Power Brick into one of the jacks on the back of a Pod, the other jack can be used to power an additional Pod. Simply connect a Barrel Cable from one Pod to the next. You can continue to daisy-chain Pods to make long chains! With the 45W Power Brick sold for use with Pods, eight or more Pods can be daisy-chained (depending on the total power consumption of all the modules).

Barrel Cables

Barrel Cables are used to daisy-chain Pods. These same cables can be used in the Row Power system: You can even daisy-chain a Pod and a Row Power together!

Never plug more than one power brick into a Pod or a chain of Pods!

Tips

- Pods use M3 screws (which are included). You may use any other M3 screw, such as Befaco Knurlies, but do not use screws with other thread sizes to avoid permanently damaging the threads of the Pod.
- The Pod104X has 2.16" (55mm) of depth on the inside. The depth of all modules, including the power header, must be less than or equal to 55mm. Due to manufacturing variances and the flexibility of the materials, this dimension may vary +/- 1mm.
- Exceeding the maximum power draw for a Pod may cause modules to function poorly (or not at all). It's possible that exceeding the maximum ratings may damage your modules (this is true for any power supply).

Specifications

The Pod104X includes:
- Pod, black anodized aluminum
- Built-in power supply with thirteen Eurorack power headers
- M3 x 8mm screws (40)
- Adhesive rubber feet (6)
- Does not include barrel cable or power brick

Power Specifications

+12v	2.0A max	(1.5A recommended)
-12v	1.4A max	(1.0A recommended)
+5v	1.5A max	(1.2A recommended)
Number of headers	13	

Power input:
- Two barrel jacks for daisy-chaining, 2.1mm positive tip.
- Voltage: 15-20VDC recommended, 24VDC maximum
- 4ms 45W or 90W power brick recommended

Exterior dimensions:
- Width: 21" (534 mm)
- Height: 6.3" (159 mm)
- Depth: 2.2" (57 mm)

Interior dimensions:
- Module depth: 2.16" (55mm)
- Module width: 20.8" (528mm)
- Weight (powered): 2lb 4oz