Row Power 25 4ms Company

Eurorack Power Module User Manual 1.0 – Sept. 24, 2019



Features:

- Two identical barrel power jacks at top and bottom for daisy-chaining (either jack can be used for power input or chaining)
- On/off switch
- LED indicates +/-12V rails are functioning
- 25.6mm (1.01") deep with power cable attached
- 22.0mm (0.87") with no power cable (when using solder points)
- 4HP



The **Row Power 25** can be used with flying bus cables, multipower cables, bus boards and other passive distribution systems.

Flying Bus Cables

A flying bus cable has a female connector on one end. Simply plug the female connector into the male pins on the back of the Row Power 25. The notch on the male pin connector will prevent you from plugging a standard cable in backwards, but it's always good practice to verify the red stripe on the cable is orientated towards the bottom of the module.

If you have more than one flying bus cable, you can safely daisy-chain them together. You also can daisy-chain a bus board or bus stick to the end of the flying bus cable, or viceversa. To insure the lowest noise in a Eurorack system, always use the shortest power cables available and the least number of connectors.



Direct Connection

You can directly connect any Eurorack module to the **Row Power 25.** Simply plug the 16-pin cable to the **Row Power 25**'s 16-pin header. Verify the red stripe is down on both ends of the cable.

Multi-Power Connectors

These type of cables are similar to flying bus cables, but have multiple female connectors instead of male connectors. They will only be a good solution if you intend to power three or less modules which all have the same time of power header (10-pin or 16-pin). Simply plug the 16-pin connector on the end of the multi-power connector to the **Row Power 25** and then plug the female connectors directly to your modules. The multi-power connectors sold by 4ms can connect to up to three modules and they cannot be daisy-chained since they have only female connectors. For powering more than three modules, or for powering some modules with 10-pin headers and some modules with 16-pin headers, we recommend using flying bus cables.

Bus Board (4ms Bus Stick or other passive distribution board)

Any passive power distribution board can be used with the **Row Power 25**. If the bus board connects to the power supply with a standard 16-pin Eurorack power cable, then simply use the male pin power connector on the back of the **Row Power 25** to connect to the bus board. Verify the red stripe is pointed down on both ends of the cable. An example using the 4ms Bus Stick is shown below.



The Bus Stick can be secured to the case using the adhesive pads on the back. Make sure the surface is clean and apply pressure for 20 seconds. It's safe to daisy-chain a flying bus cable or another Bus Stick, but to insure the lowest noise system, use as few connectors as possible.

Solder connectors

The **Row Power 25** has a set of four holes for +12V, -12V, +5V, and ground. The holes are 0.082" (2.1mm) in diameter and are spaced 0.156" (3.96mm). They fit the Molex MTA156 connector (example: Molex PN: 5273-04A or 09652048). They also will fit 14 AWG wire.

These connectors are provided for advanced users with sufficient knowledge of soldering and power systems. They can be used with a custom or specialized low-noise bus board system. While 4ms Company will warranty and support the internal circuitry of the **Row Power 25**, we do not offer support for 3rd party or DIY bus boards or distribution systems.



