



ZEUS Series:
microZEUS with
Flying Bus Boards



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The uZEUS is a 4HP power supply module for Eurorack format synthesizers. This version comes with two (2) flying bus boards that are already attached to the module. An additional connection is available on the uZEUS for attaching an extra flying bus board if needed. The flying bus boards use a keyed connector, ensuring that module power cables can only be connected in the correct position.

Provided with the module is a 1000mA +15VDC unregulated wall adapter with a 2.5mm positive center pin connector.

Connecting the uZEUS:

First, attach your uZEUS to your system. It can be placed in any position along the rails, but it is strongly recommended that it be placed on the rightmost edge of your case.

Next, plug the wall adapter in to your mains supply and plug the connector into the uZEUS. Once connected, turn the switch to the 'ON' position and make sure all three (3) blue lights are illuminated.

If for any reason, one or all of them are not illuminated then immediately turn the switch to the 'OFF' position.

Check all of your connections before continuing. Is the uZEUS in contact with another object? Are all of the modules plugged in properly?

Once you have successfully powered your uZEUS, all you have left to do now is play!

It is important to note that the front panel of the uZEUS may get very warm. Please do not be alarmed, as this is normal and is part of the standard operation of the uZEUS.

WARNING: The internal components of the uZEUS can get very hot. Do not touch the internal components while the uZEUS is connected and/or powered.





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Tiptop Audio has the following recommendations for connecting your modules and using your uZEUS:

High-draw modules like VCOs and sound/noise generator should not all be plugged into a single bus board.

For modules that are placed next to the uZEUS and have more than one circuit board and may block the flying bus boards, take advantage of the ribbon cables flexibility and route it around the module. The bus boards were designed with this consideration in mind.

To insure long life for the power supply, you should be aware of the total power consumption of your system. This is determined by adding together the amount of current used by each of your modules. Please refer to the power consumption figures provided by your modules' manufacturer(s).

The uZEUS is designed to power systems ranging from 3U to 6U. Although the uZeus may have the capability to power even more modules, do not overload the external adapter.

Wall Adapter Information:

The Triad MagneticTM wall adapter supplied with the uZEUS can deliver current in excess of 1000mA. The AultTM wall adapter supplied with the Happy Ending kit is rated 1000mA and it is strongly recommended that it be kept at that limit.

Please be sure to check the temperature of your wall adapter about **20** minutes after power up. Make sure to do that each time you add more modules to your system. If the adapter is very hot to the touch, it is likely being overloaded, this will shorten the life of your adapter.



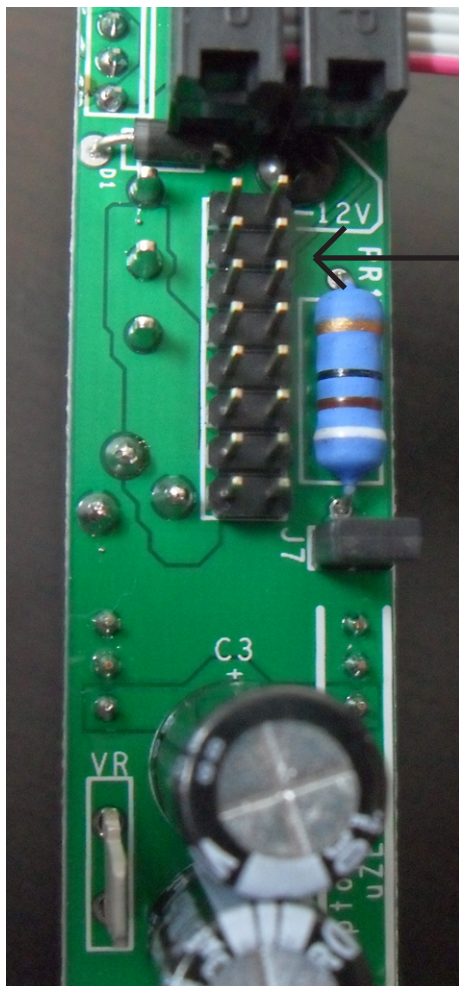


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Using the -12V Rail:

The -12V rail uses a switching regulator. This switching regulator needs to have a minimum load of 100mA (out of 500mA) at any given time. The uZEUS has a factory setting to self consume this current. If your uZEUS is powering more than four (4) analog modules you can then disable this setting if desired to make this 100mA available for use by your modules.

While the uZEUS is not powered look for header J7 (located below the blue resistor) and remove the jumper. Re-insert the jumper such that it comes in contact with only one pin. Once reinstalled in the system, the uZEUS will provide the full 500mA of -12V power for your modules.



Additional Flying Bus Board Port

J7



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Creating Longer Bus Boards:

The Flying Bus Boards were designed for standard 19" racks. If it becomes necessary to extend your Flying Bus Boards, the process is simple: purchase another Flying Bus Board and connect the female end to the last male connector on the existing Flying Bus Board.

