Tiptop Audio™

ZEUS Series: microZEUS Power Supply

Zeus Series: microZEUS with Flying Bus Boards

The uZEUS is a 4HP power supply module for Eurorack format synthesizers. This version features four standard spade terminals to connect to rigid bus boards like the ZEUS Passive Bus Boards. Connection diagram is provided at the end of this manual.

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

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

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.

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.

Zeus Series: microZEUS with Flying Bus Boards

Wall Adapter Information:

The Triad Magnetic™ wall adapter supplied with the uZEUS can deliver current in excess of 1000mA. The Ault™ 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.
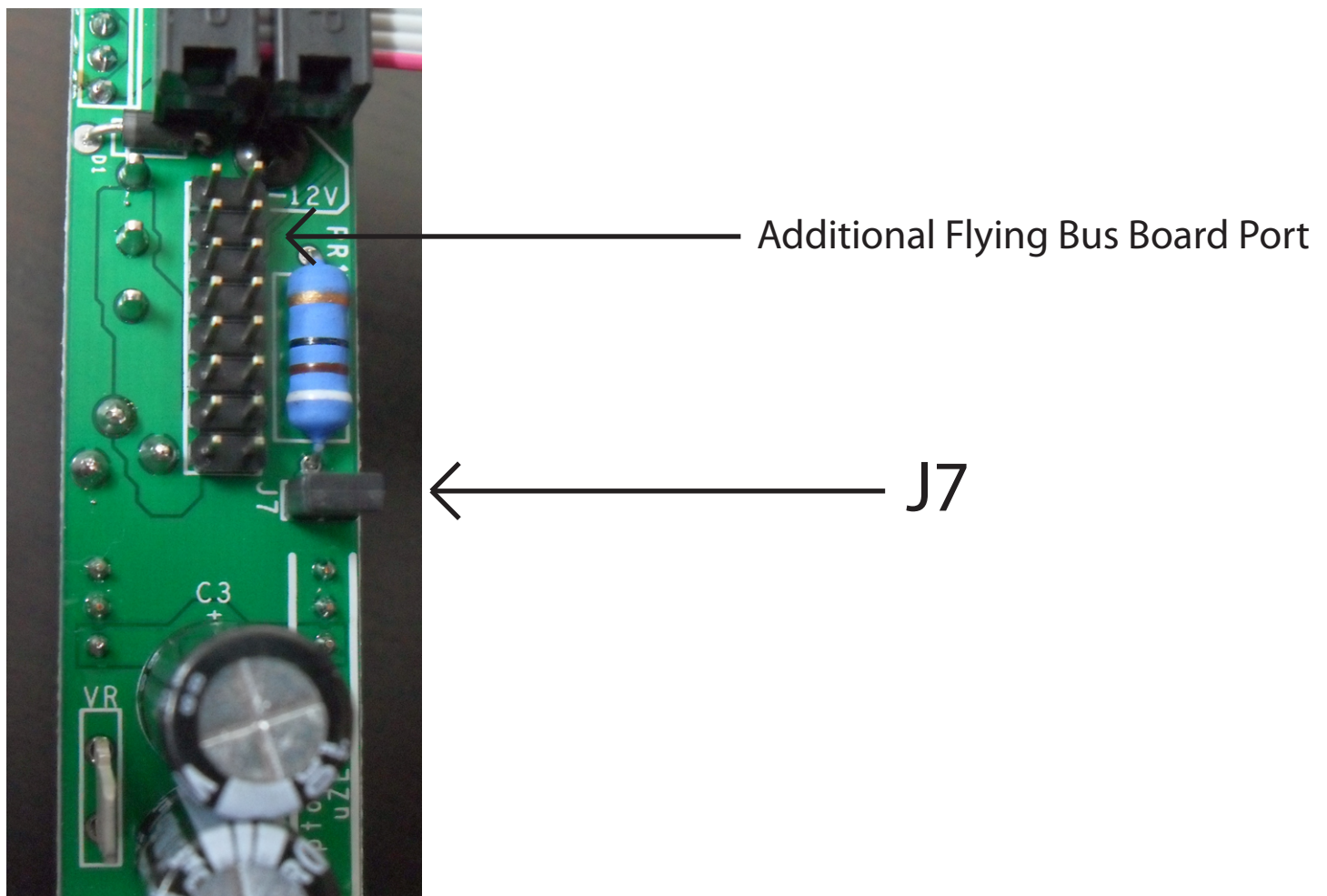
Using the –12V Rail:

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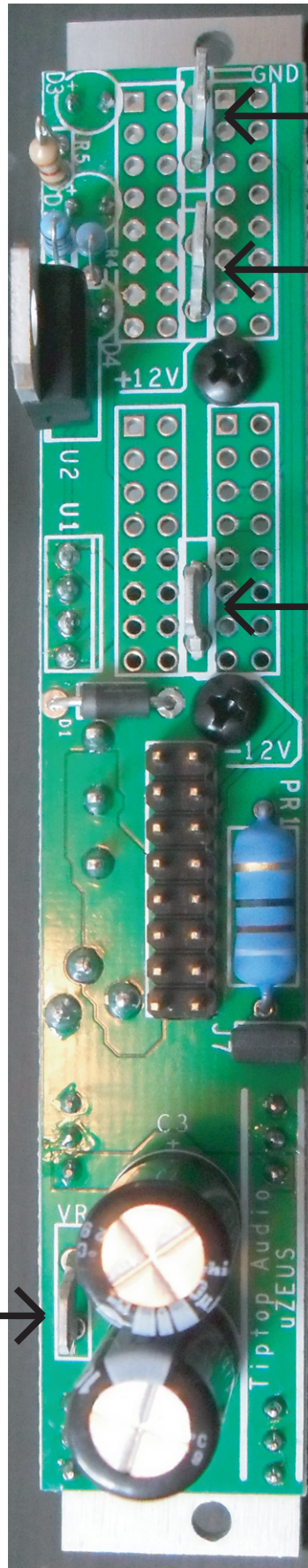
While the uZEUS is not powered look for header J7 (located below the blue resistor) and remove the jumper. Re-insert the jumper such that it comes in contact with only one pin. Once reinstalled in the system, the uZEUS will provide the full 500mA of –12V power for your modules.

Additional Flying Bus Board Port

J7

Zeus Series: microZEUS with Flying Bus Boards

The uZEUS terminals

GROUND (GND)

+12V

-12V

VR

*VR is used with Tiptop Audio ZEUS Passive Bus Board.

VR Should be left open if connected to other bus boards.

Tiptop Audio

Zeus Series: microZEUS with Flying Bus Boards

Connecting the uZEUS to the ZEUS Passive Bus Board

G

A

B

C