# ZEUS Access Dual
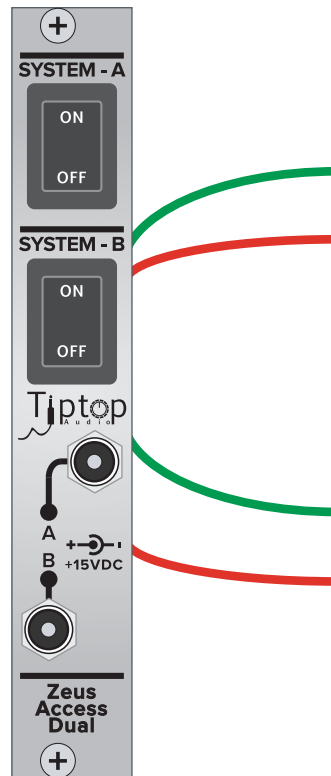## Front Panel Interface For ZEUS Studio Bus

**V 1.0**

# ZEUS Access Dual

The Zeus Access Dual provides an easy way of linking two external power supply to power up to six Zeus Studio Bus boards for making massive Zeus Powered Eurorack systems, all using just 4HP. Together with the Zeus Studio Bus board and a few simple steps, you can now setup power for your modular system with ease!

Residing on the left-most side of your case, the Zeus Access Dual supplies a convienent interface to easily power two fully independent  Zeus Powered Bus Board system from two external Cincon-TTA laptop-style universal power supplys. The Zeus Access Dual can be installed in a Eurorack case with a maximum depth of 5.5 inches as the connecting leads need to reach both sets of bus boards. This wire length balances usability while maintaining the audio-grade power of the Zeus Power System.

The Zeus Access Dual contains two On-Off power switch and two 2.5mm DC Barrel Jack (Center Pin +,) from which two terminal-fitted leads can connect to the +15V and GND connections of each set of Zeus Studio Bus boards.

Both the switch and barrel jack are rated for a maximum load of 5 Amps, perfect for powering up to 3 Studio Bus Boards.

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# ZEUS Access Dual

The Access Dual is fully compatible with the Cincon-TTA Universal Power Supply, a power supply that we custom made together with Cincon Taiwan for Powering the Zeus Studio Bus System. These supplies can be used with mains voltages from 100 to 220V without the use of a transformer, only the proper country outlet plug adapter.

# ZEUS Access Dual

Installation:

Prior to starting, please view the wiring diagram on the next page to get an understanding of the entire process. You will be wiring two sets of Zeus Studio Bus Boards, up to three bus boards per "system", totaling up to six bus boards per one Zeus Access Dual.

Lets get started:

Push down the lever on the Zeus Studio Bus using a small flat screw driver or your finger and insert the Green lead to the "GND", let go of the lever and the wire will be locked.

Do the same as above, this time insert the Red lead to the "+15V", let go of the lever and the wire will be locked.

Make sure both leads are fully inserted into the terminal holes.

Use 16AWG wire to keep wiring to the next two boards.

Now Repeat the steps above with the second set of wires to wire up the second system.

Attach the Zeus Studio Bus Board to the case as described in the Zeus Studio Bus Board manual. Attach the Zeus Access Dual to the left-most side of your case.

Make sure that all four leads from the Zeus Access are connected to their correct spots. RED to +15V, GREEN to GND. Check the illustration on next page for reference. **NOTE: If the leads are incorrectly installed, you will damage the bus board!**

Connect the Cincon-TTA supply into mains voltage and with the Access' toggle switch in the OFF position, plug in the power supply's barrel connector into the Access' DC jack.

While keeping your hand close to the switch, toggle the switch to the ON position and observe that all three LED's turned on after 1 second (+5V will turn on first, +/-12V will turn on after about 1 second NOTE: If one or more LED's do not light up upon power up, QUICKLY toggle the switch to the OFF position and double-check that the wiring scheme outlined earlier is correct. Do that first with SYSTEM A, and repeat with SYSTEM B.

**For more in-depth information on Zeus Studio Bus Board installation techniques, recommended installation hardware, guidelines, and dimensions, please refer to the "Zeus Studio Bus Board" manual.**

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# ZEUS Access Dual

## Wiring Diagram for 18U Eurorack system



SYSTEM - A

ON

OFF

SYSTEM - B

ON

OFF

Tiptop

A B
+15VDC

Zeus
Access
Dual

GND

+15V

GND

+15V

DC800

Tiptop Audio

−12V  +12V  +6V

Tiptop
Audio