Zorx 1U 84 HP CV Bus and 20 HP Expander Manual
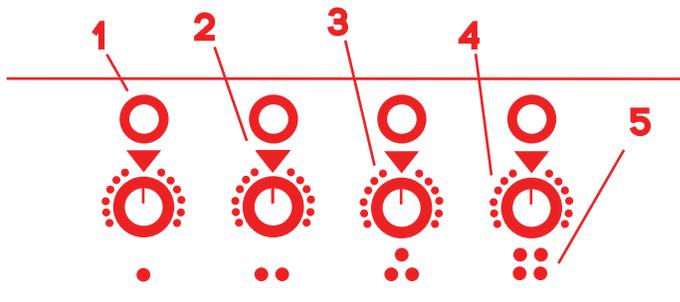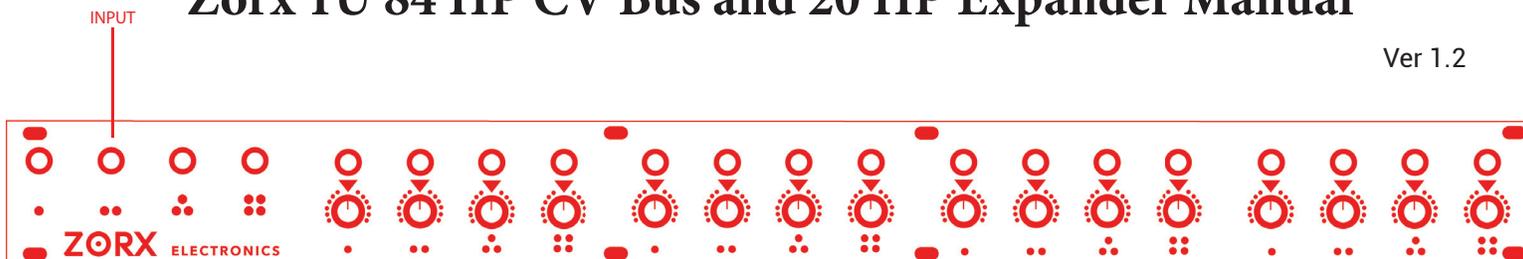
INPUT

The Zorx 1U CV Bus is an 84 HP 4 - 1 x 4 or 2 - 1 X 8 buffered mult with attenuation/attenuverting on each output for use with audio and CV signals. It has a depth of 27mm and uses +12V 90 mA, -12V 90mA, and doesn't need a +5V rail to operate. Channel 1's input is normalled into Channel 2's input for use as a 1x8 mult. Likewise, Channel 3's input is normalled into Channel 4's input for use as a 1x8 mult. When nothing is patched into Channels 1 and 3,+5V is fed into each input for use as an offset throughout their respective channels with a peak to peak voltage of -5V to +5V available at each output.

1] Channel output. There are four channels, each with four dedicated outputs, separated into groups of four. 4X4X4. Input a signal into any channel and use that channel's outputs to spread the input signal throughout your rig. With outputs spread out in this manner, it inspires creative modulation and patching.

**2] See-thru color coded LED indicator denoting which channel an output belongs to.**

3] Attenuator/attenuverter potentiometer control. Center position is off - no signal at the output. Each signal can be either attenutated or attenuverted at each output. These outputs are buffered so that with one input you can have four separate and different variations of the input signal at the output.

4] Dots.

5] Numbered dots to further signify each channel.

The Zorx 20 HP expander takes the last four outputs of the 1U CV Bus, duplicates them and let's you manually switch them on and off, with latching or momentarily capabilities. It also includes a Mix Out which sums all of the Expander's outputs into a mono output. In this way, the expander and the 1U CV Bus can be used as an audio mixer, a CV mixer, or a combination of the two. Specs: +12V 40mA, -12V 40mA, depth is 40mm.

The Zorx 1U CV Bus Expander
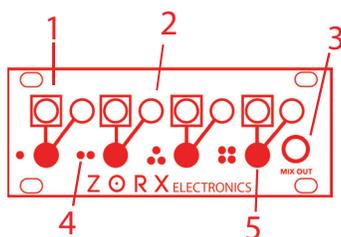
1] Signal input. When no input is present output is normalled to corresponding output channel of 1U CV Bus.
2] Channel output.
3] Mix Out, a mix of the expander's four channels. Channel 3 (Green) is excluded from the Mix Out.
4] Colored see-thru LED dots to indicate channel.
5] On/Off/[On] toggle switch.