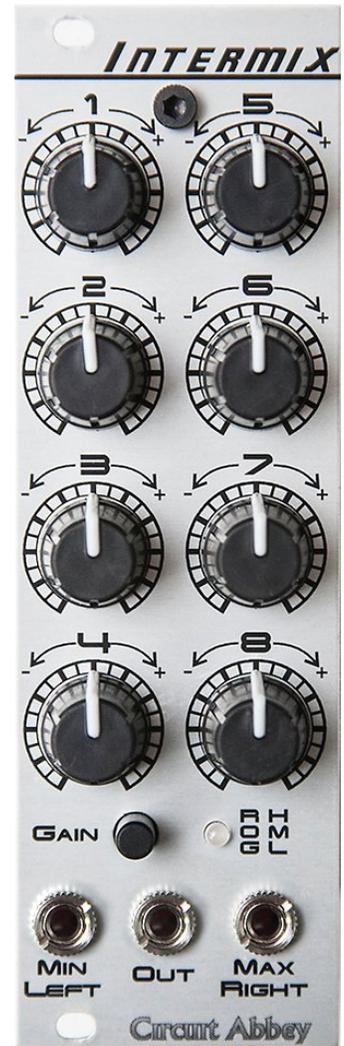


Intermix

User Manual



Circuit Abbey

Intermix Description

Initially meant to be a mix expander for the G8 divider, it has morphed into a universal mix expander. The Intermix has 8 attenuverting inputs that mix into one output. A gain switch changes the output level of all three outputs to match the use: high gain for opening a filter, or lower gain for setting pitch on a VCO.

The Intermix opens up many new possibilities for the G8. For example, it can be used as a sequencer, or clock the G8 with a VCO and the Intermix becomes a waveform generator.

Multiple Intermixes can be chained together to produce multiple channels off of one G8. So you can do things like use one channel for pitch, a second channel for opening a filter, and a third for changing the tempo of the oscillator clocking the G8.

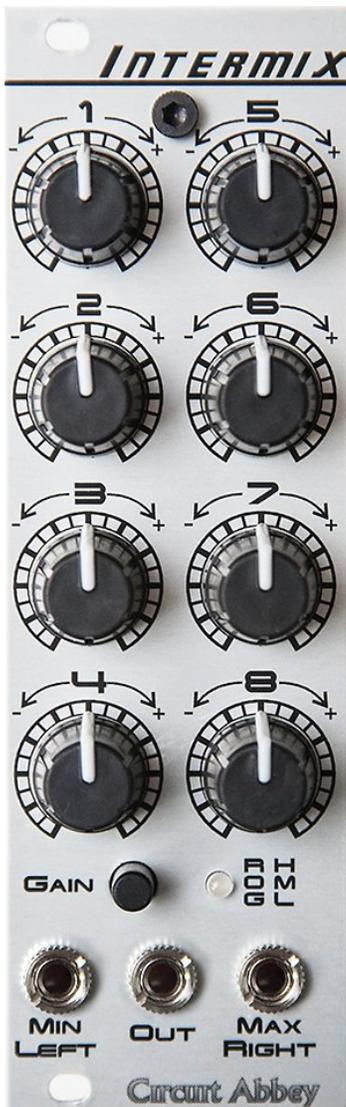
There are 2 modes available. Both modes mix all 8 inputs into one output. The first mode has min and max outputs. The second mode has separate outputs for the left and right bank of knobs. This allows for two 4-output devices to be mixed separately.

"Universal" means the Intermix can tie other modules such as the Chaos Computer. All 8 analog outputs of the Chaos Computer are available for mixing. In two channel mode the Intermix can mix the X and Y outputs of the Chaos Computer separately. The intermix can also attach to other modules such as the 4ms QPLFO. In fact, in two channel mode the Intermix could tie to two QPLFOs.

Mode button selects the mode, and when held down selects trigger mode where all outputs are triggers instead of gates. Reset input is edge sensitive i.e. resets on a rising edge. Trigger output provides a trigger when the outputs change, useful in CV.

Front Panel Interface:

Intermix



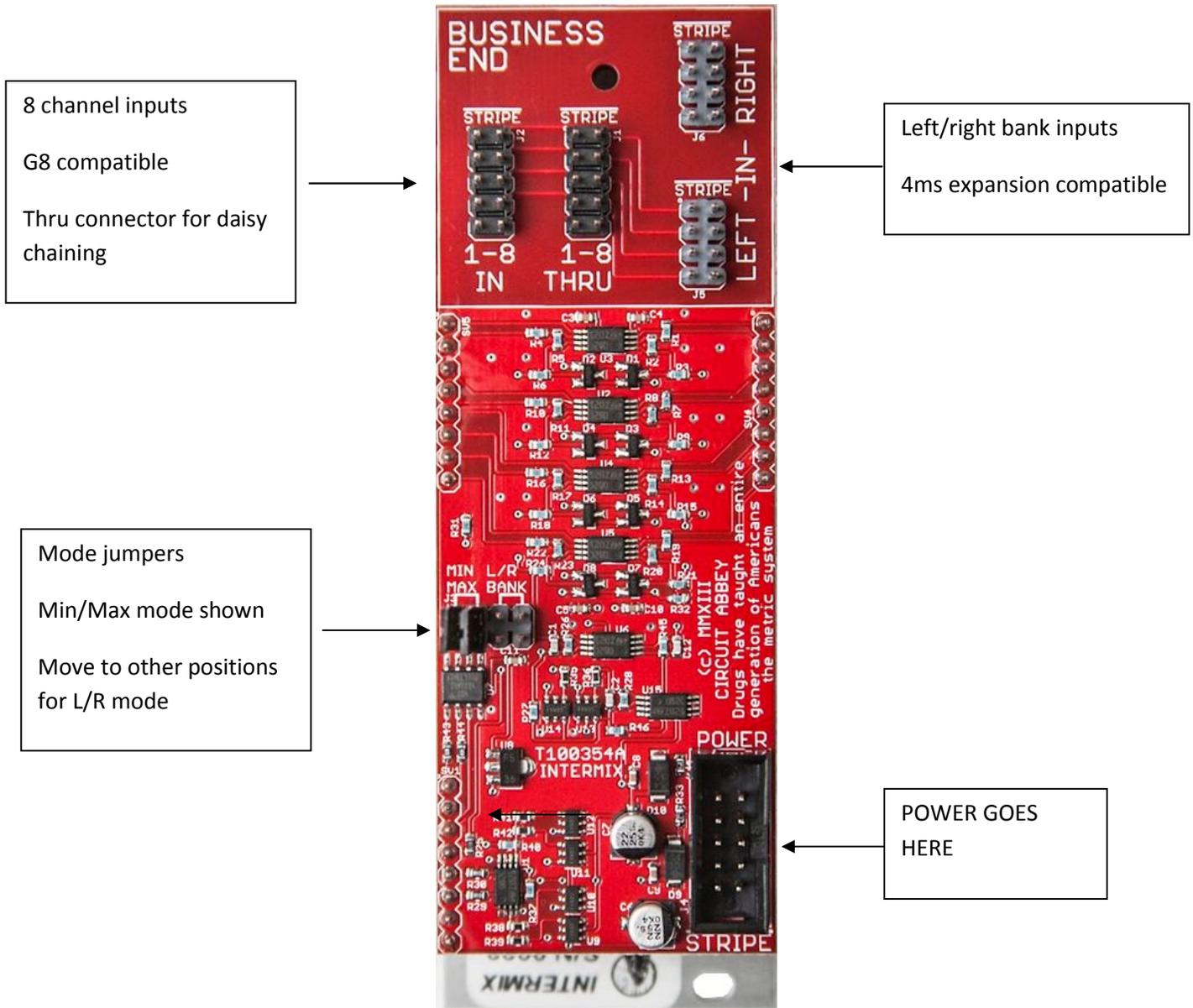
1-8: Attenuverters for channels 1-8

Gain: Selects the gain of the output channels

Min/Left: Min output for Min/Max mode, left bank output for L/R mode

Max/Right: Max output for Min/Max mode, right bank output for L/R mode

Out: Main output. Always has all 8 channels mixed



Module Width	8HP (40mm)
Module Depth	40mm
Power Connector	Standard Doepfer 10 pin Shrouded
Power Requirements	± 12 Volts at 60mA Max