The Mind Meld is an expansion module for the Livewire Vulcan dual LFO. This module performs three primary tasks:
1. Replace the rear jumpers used for selecting waveforms on the Vulcan with 3-position switches.
2. Allow external input to the logic circuits.
3. Add reset control to each LFO.

MAX

1. Input to the Vulcan MAX circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO A. The output of the MAX circuit is on the Vulcan.
2. Input to the Vulcan MAX circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO B. The output of the MAX circuit is on the Vulcan
3. Switch to select internal signal source for left side of Vulcan MAX circuit. Sizgnals are taken from Vulcan LFO A as long as nothing is plugged into the Jack for external signals.
4. Switch to select internal signal source for left side of Vulcan MAX circuit. Signals are taken from Vulcan LFO B as long as nothing is plugged into the Jack for external signals.

MIN

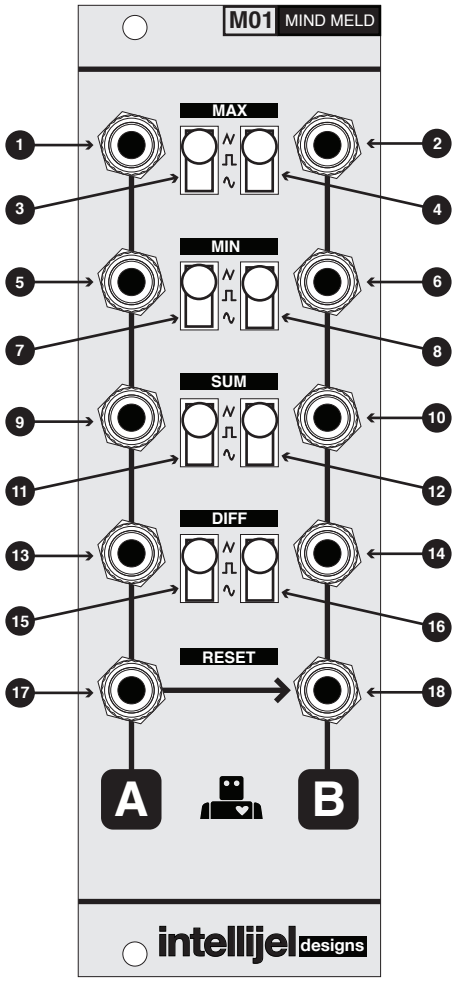
5. Input to the Vulcan MIN circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO A. The output of the MIN circuit is on the Vulcan.
6. Input to the Vulcan MIN circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO B. The output of the MIN circuit is on the Vulcan
7. Switch to select internal signal source for left side of Vulcan MIN circuit. Signals are taken from Vulcan LFO A as long as nothing is plugged into the Jack for external signals.
8. Switch to select internal signal source for left side of Vulcan MIN circuit. Signals are taken from Vulcan LFO B as long as nothing is plugged into the Jack for external signals.

SUM

9. Input to the Vulcan SUM circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO A. The output of the SUM circuit is on the Vulcan.
10. Input to the Vulcan SUM circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO B. The output of the SUM circuit is on the Vulcan
11. Switch to select internal signal source for left side of Vulcan SUM circuit. Signals are taken from Vulcan LFO A as long as nothing is plugged into the Jack for external signals.
12. Switch to select internal signal source for left side of Vulcan SUM circuit. Signals are taken from Vulcan LFO B as long as nothing is plugged into the Jack for external signals.

DIFF

13. Input to the Vulcan DIFF circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO A. The output of the DIFF circuit is on the Vulcan.
14. Input to the Vulcan DIFF circuit. Plugging an external signal here will bypass the Vulcan's internal connection from LFO B. The output of the DIFF circuit is on the Vulcan
15. Switch to select internal signal source for left side of Vulcan DIFF circuit. Signals are taken from Vulcan LFO A as long as nothing is plugged into the Jack for external signals.
16. Switch to select internal signal source for left side of Vulcan DIFF circuit. Signals are taken from Vulcan LFO B as long as nothing is plugged into the Jack for external signals.



RESET

17. Reset pusle input A. The reset circuit is positive edge triggered and will hold the Vulcan LFO in reset while the signal is high. It is recommended to use a short pulse here. The input A is normalled to input B which means if nothing is plugged into input B, both LFO A and LFO B will reset. To break this normal plug a cable into input B .
18. Reset pusle input B. The reset circuit is positive edge triggered and will hold the Vulcan LFO in reset while the signal is high. It is recommended to use a short pulse here. The input A is normalled to input B which means if nothing is plugged into input B, both LFO A and LFO B will reset. To break this normal plug a cable into input B .