

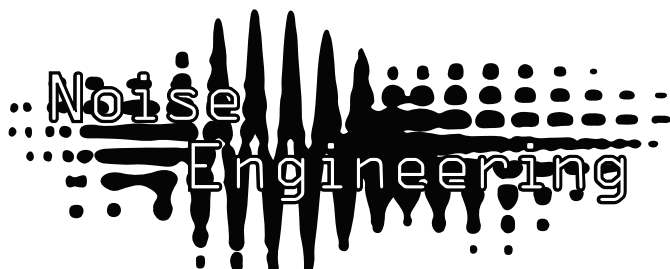
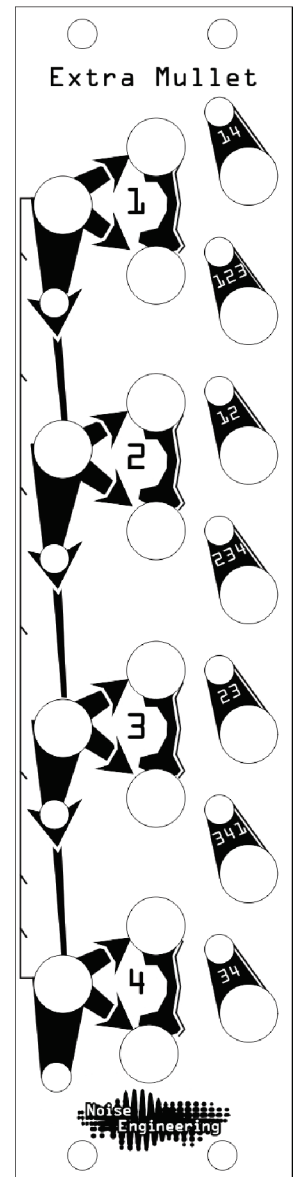
Noise Engineering

Extra Mullet

Combining Buffered Mult

Type	Mult
Size	6HP Eurorack
Depth	0.8 Inches
Power	2x5 Eurorack
+12 mA	50 mA
-12 mA	10 mA

The Extra Mullet is bigger, badder version of the Mullet. It's just as business in the front, but has more party in the back: an extra 2HP strip mixes inputs for 7 extra outputs that sum combinations of the four inputs.



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Interface

In 1-4

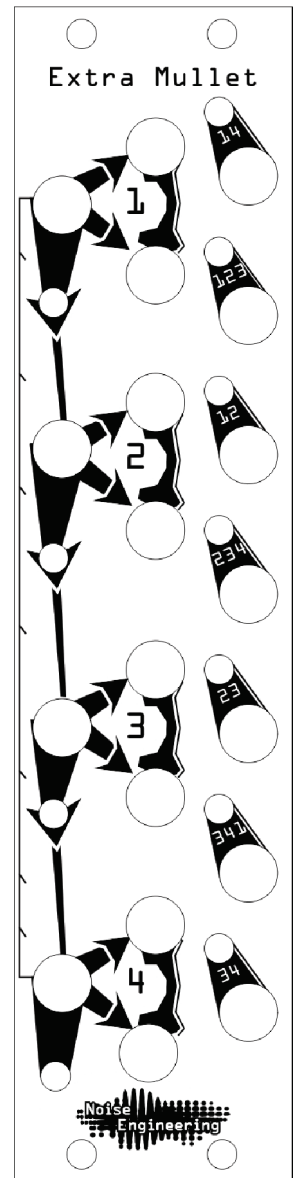
Extra Mullet has four circularly normaled input jacks (left side of module). LEDs light up when a signal is received.

Out 1-4

Each input has two outputs. Because inputs are normaled, if no input is plugged into an input, outs flow from input above it.

Extra Outs

Extra Outs combine inputs additively. Extra Mullet is set up so that there are seven unique combinations of inputs. These function on both gates/triggers and on CV inputs.



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Patch Tutorial

First patch:

Plug a CV source into any input. Patch the Out to CV-in on a module you would like to modulate.

Now instead patch one of the Extra Outs: note how these signals differ because the normaled signal is added in the Extra Outs.

Next, plug multiple CV sources into EM inputs. Patch Outputs to CV inputs on a module you would like to modulate. Patterns will differ as the different inputs are summed.

Using Extra Mullet with Gates:

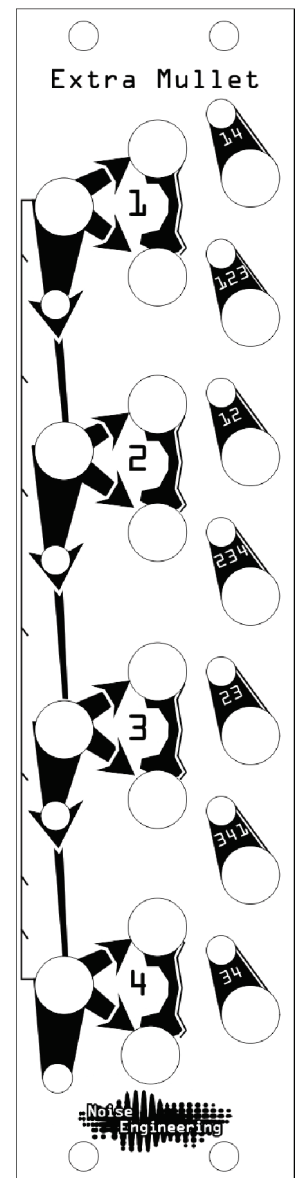
Plug up to four gate inputs into Ins. Patch any combination of Outs and Extra Outs to modules for interesting variety in rhythms. (Note that a single gate in, while still additive, will not result in different patterns for the combined outputs.)

Using Extra Mullet with CVs:

Plug up to four CV inputs into Ins. Patch any combination of Outs and Extra Outs to modules for up to 11 versatile CV outs.

Using Extra Mullet with a Combination of CVs and Gates:

Because EM performs simple summations, it can be used with any combination of inputs (although summation of audio is not necessarily recommended). You can mix and match CV and Gate signals for unique output patterns on extra outs.



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Genesis and Design Notes

The original module started when Noise-E friend Shawn Jimmerson informed us that we needed a module called “The Mullet.” It was pretty clear that that could only be a buffered mult. A few years later, we realized (with Kris’ growing obsession with CVs) that it would be pretty simple to give the Mullet a lot more bang for its buck. I mean, if you’re going to have a mullet, you should go all out, right? And the son of the mullet, Extra Mullet was born.

Special Thanks

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Alex Anderson

