Narwhal
pgh

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- tuning
- density
- material
- highpass
- decay
- decay cv
- trigger
- decay cv
- out

### pgh

It's an electronic cymbal sound that sounds like a physical cymbal. Or not.

The Pittsburgh Modular narwhal is an attempt at reproducing the sound of a physical cymbal using analog circuitry. This module is not based on the sound of a famous drum machine. It is a unique attempt at a synthesized cymbal with a design guided by the concept of analog physical modeling. The result is something that sounds not completely unlike a cymbal, but with a sonic flexibility that swings far beyond the limits of a tangible instrument.

We think the Narwhal sounds very nice.
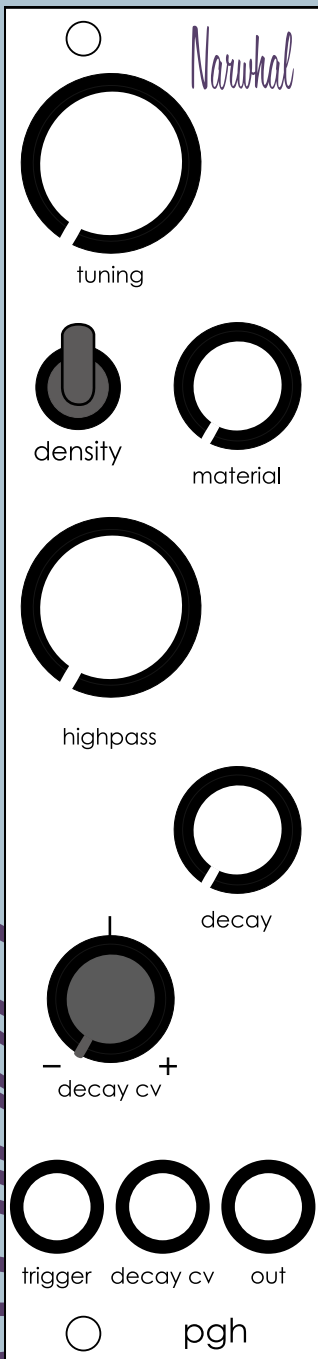
Some of the controls on the Narwhal were named to describe the function they aim to emulate on a physical drum. It may have made more sense to label them based on their actual electronic purpose, but what is the fun in that? The descriptions below will hopefully clear up any unintended obfuscation.
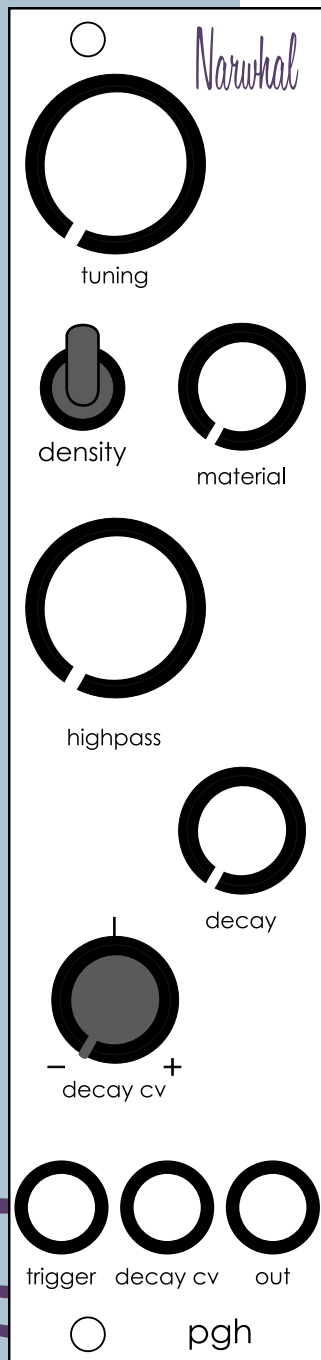
Knobs, and Jacks

Tuning Knob Sets the frequency of the cymbal.

Density Switch Switch between one or many waves used to create the cymbal sound.

Material Knob Modifies the sound of the cymbal.

Highpass Knob Highpass filter cutoff frequency. Sorry we did not think of a clever physical drum name analog for this control.

Decay Knob Sets the decay length of the cymbal.

Decay CV Attenuverter Decay CV input attenuverter.

Trigger Jack Gate or trigger input triggers the cymbal sound.

Decay CV In Jack CV input used to modulate the decay length of the cymbal.

Output Jack Cymbal sound output.

Specs
Size 6hp
Depth 24mm
Power +12v 45 mA / -12v 35 mA