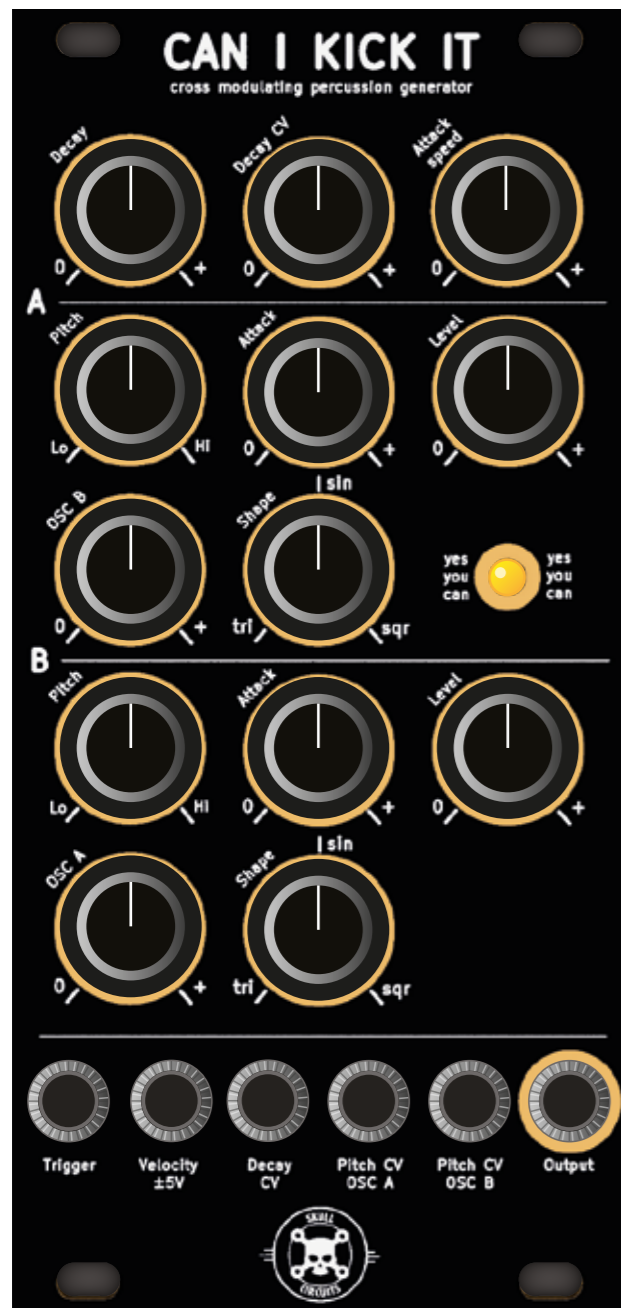


Can I kick it?

User manual



Thanks for buying from Skull&Circuits. This manual hopes to provide you with some insight into the inner working of your brand new cross-modulation percussion module for your Eurorack system.

If you ever have any questions regarding this module, please contact me at info@skullandcircuits.com or, if you happen to be a wealthy Nigerian prince willing to give me part of your substantial inheritance, just let me know.

Front panel controls

DECAY: Sets the time it takes for the sound to fade out after a trigger has been received.

DECAY CV: Allows you to attenuate the incoming signal from the Decay CV input. An external signal can be used to change Decay times.

ATTACK SPEED: Sets the speed for the attack sweep.

PITCH: Sets the base pitch for the oscillator

ATTACK: Sets the amount of modulation the oscillator will receive from the attack sweep.

LEVEL: Sets the volume of the oscillator in the final output.

OSCB / OSC A: Sets the amount of modulation the oscillator will receive from the other oscillator.

SHAPE: Changes the basic waveform of the oscillator in a smooth transition from triangle over sine wave to square wave.

Front panel connections

TRIGGER: Any trigger or gate signal can be applied here.

VELOCITY: Allows you to change the overall loudness of the sound being played. A negative voltage present at the input will decrease the loudness, while a positive signal will increase it. Note that the velocity is measured only when a trigger is received.

DECAY CV: Allows you to change the decay time via a CV signal.

PITCH: Adds CV control over pitch. The oscillators don't track to the 1v/oct standard. This is because the range of the oscillators is wider than 1/v oct could accommodate, which comes in handy for FM like effects.

Calibration

There are only 2 trimmers on the back of the module, one for each oscillator. They control the range of the oscillators.

The minimum frequency the oscillators are capable of is around 13Hz or so. Turning the trimmer will lower or raise that oscillator's pitch. You should try getting as low as you can while making sure the front panel control still changes the pitch. If you've dropped too low you'll see no pitch change in the first part of the pot's range. Back it up a little then.

An oscilloscope, or a multimeter with a frequency counter, is no luxury here since the frequencies are well below hearing range. So tuning 'by ear' is not really an option.

Specifications

Modular Format Eurorack

+12V power usage 49mA

-12V power usage 53mA

Width 12HP

Depth 45mm

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Contact
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More info
<https://www.skullandcircuits.com/can-i-kick-it>

Block diagram

