TAP

Manual

MOSAIC

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MOSAIC

THINGS TO KNOW

What is 1U?

1U is a measurement of height in the 19" rackmount standard. Eurorack modules adhere to 3 rack units, or 3U. Mosaic tiles adhere to 1 rack unit in height, and require appropriate rails to mount in a rack or modular case.

What 1U format are Mosaic modules?

We ship our modules with Intellijel 1U formatted front panels. If you use the Pulp Logic format, don't worry! You can purchase Pulp Logic replacement front panels on our Replacement Panels page.

Mosaic Color Guide

Each color indicates a function across the Mosaic lineup.

Green: Audio Signals

Purple: Gate Signals

Blue: Control Voltage

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OVERVIEW

Description

Stay in time with Tap, our tap tempo solution for the 1U format! Tap is a simple, yet performance focused utility that gets you playing modular in a live setting.

Simply tap along to the beat, and Tap will output an extremely accurate clock for your modular system. All this is possible using complex averaging algorithms designed with musical performance in mind. With an LED indicator onboard for visual tempo feedback, you can keep your mind on the music. Need to pause your clock? Hold the Tap button down for one second, and the clock will pause. Never lose the beat with Tap!

- Tap tempo clock generator

- 50% duty cycle

- LED clock rate indicator

- Pause functionality

Tech Specs

- Width: 4HP

- Depth: 38mm

- Front Panel: Ships in Intellijel format. Pulp Logic replacement panels available [here](#).

- Current Consumption: +12V = 38mA, -12V = 7mA

Installation

To install, locate space in your Eurorack case for your 1U module, and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems, the negative 12 volt supply line is at the bottom. The power cable should be connected to the module with the red band facing the front of the module.
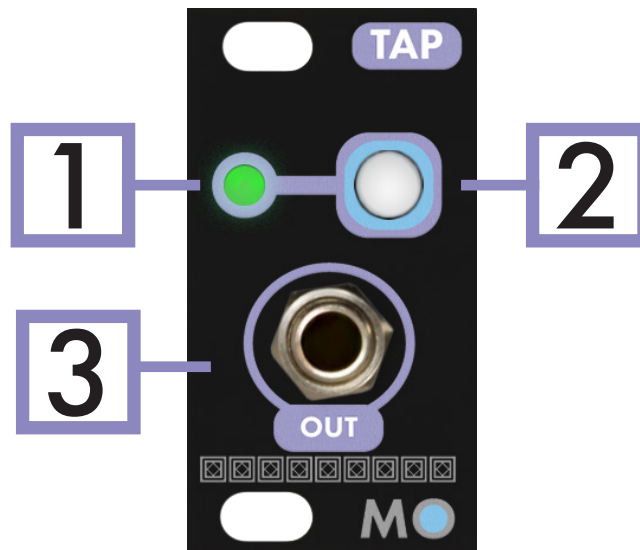
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MOSAIC

DETAILS

How It Works

When playing modular synthesizers in a live setting with unquantized instruments, it is very easy for a steady clock to become out of sync with the rest of the band. By tapping your tempo into your system, there is a constant refresh of your primary clock rate that stays in time with the band, and your internal tempo. Having a tap tempo lends itself to improvization, allowing to to start and stop your clock during breaks, and change tempos to syncopate the rythmn. Try including a tap tempo in your setup, and bring your modular to your next jam session!

Diagram

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DETAILS

1. LED

LED indicator for the outputted clock rate.

2. Tap Button

Used to tap in your clock rate. Tap requires two taps to determine the clock rate, and will use the space between the current tap and the previous tap to update the tempo. When no tap is present, Tap's clock still stay at the last programmed clock rate. To stop Tap, hold the button for 3 seconds.

Min: 3BPM
Max: As fast as you can tap

3. Out

Gate output at 50% duty cycle.

Range: +5V