

BUFFERED MULT

Manual



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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

OVERVIEW

Description

Patch audio, pitch, and more with peace of mind using the Buffered Signal Multiplier. Due to its intelligent normalization scheme, it can copy 2 inputs to 4 respective outputs, or 1 input to all eight outputs, while maintaining integrity and consistency between the signals. The LEDs indicate level and polarity of the incoming signal for easy identification.

- Buffered signal multiple
- Intelligent normalization scheme
- Configurable as 2x4 or 1x8
- Ideal for lossless splitting of audio and pitch signals
- LEDs indicated level and polarity of incoming signals

Tech Specs

- Width: 14HP
- 38mm
- Front Panel: Ships in Intellijel format. Pulp Logic replacement panels available [here](#).
- Current Consumption: +12V = 16mA, -12V = 16mA

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.

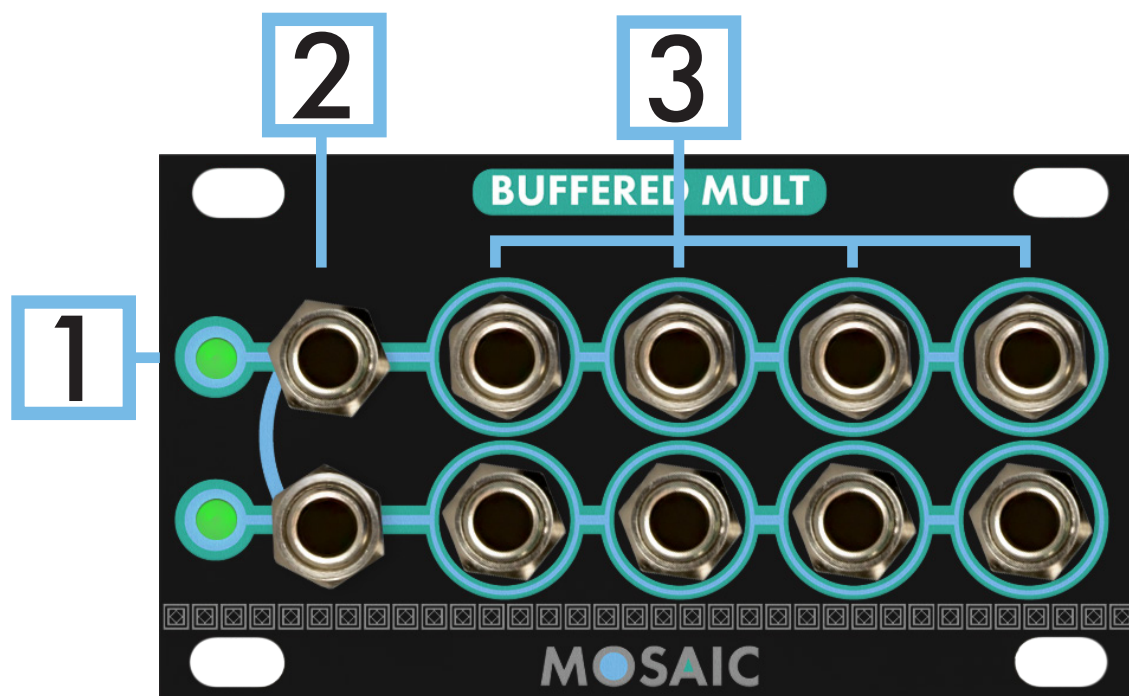
DETAILS

How It Works

Multipliers of all formats are used to copy a signal and send it out to different points in your system. Some come in the form of a cable splitter, or a stackable patch cable, while others are rackable modules.

There are two main types of modular synth multipliers: passive and buffered. In this case, the Buffered Mult carries a buffered circuit that ensures complete accuracy when splitting voltage sensitive signals (e.g. audio, pitch CV, etc.). Buffered multipliers are perfect for creating multi-timbral voices, rerouting audio, and everything passive multipliers are capable of (sending out clock signals, envelopes, other modulation sources). Send your signals to the farthest ends of your system, and see what new sounds await!

Diagram



DETAILS

1. Signal LED

Visual indicator for the channel's inputted signal.

2. Input

Input jacks for both channels 1 and 2. Channel 1 normal to channel 2 when no signal is present in channel 2.

3. Outputs

Output jacks for channels 1 and 2. Top four jacks are for channel 1, and the bottom four jacks are for channel 2. When no signal is present in channel 2, channel 1's signal multiplies out to all output jacks.