

# AMP

## DUAL LINEAR VCA

User Manual, 2021



### About

AMP is a 6HP Eurorack **Dual Linear VCA** based on the 2164 Chip.

The 2 VCA channels can be used **independently** or **summed** together making the AMP a compact 2-channel voltage controlled mixer. Inputs are DC coupled, which makes this module compatible with both **audio** and **CV** signals.

Each VCA channel can be **individually controlled** via **two CV inputs**:

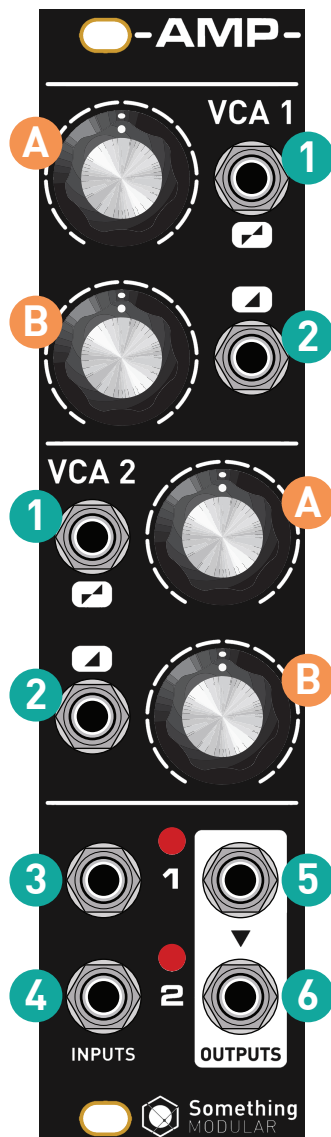
- CV input 1 associated with an attenuverting potentiometer makes it easy to create **ducking effect** on your bassline.
- CV input 2 is **normalised to +5V**, so when there is no jack plugged in, the pot will act as a **volume control**.

### Features

- 2-channel voltage controlled mixer.
- 2 dedicated CV inputs per channel.
- Attenuverting CV input per channel.
- Normalled input per channel for Volume control.

### Specifications

- Module width : 6 HP
- Module depth : 33mm
- Power Consumption : 38mA at +12V / 38mA at -12V
- Reversed polarity protection



### Controls

#### A. Bipolar Attenuator CV 1

This knob is an attenuverting potentiometer associated with input CV 1. Inverting incoming CV input will help you create ducking effect on your bassline.

#### B. Unipolar Attenuator of CV 2

This knob is a classic attenuating potentiometer associated with input CV 2. When nothing is plugged in input CV 2, the pot will act as a volume control.

### Inputs & Outputs

#### 1. Input CV 1

Bipolar CV input.

#### 2. Input CV 2

Unipolar CV input.  
When not plugged, the jack is normalled to +5V.

#### 3. Audio Input 1

Mono audio input of the VCA 1.

#### 4. Audio Input 2

Mono audio input of the VCA 2.

#### 5. Audio Output 1

Mono audio output of the VCA 1.

#### 6. Audio Output 2

Mono audio output of the VCA 2. When nothing is plugged in audio output 1, both channels are summed at output 2.