



Behringer CM1A MIDI-CV Converter Module Eurorack User Manual

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Quick Start Guide



CM1A
MIDI to CV Converter
Module for Eurorack
V1.0

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LEGAL DISCLAIMER

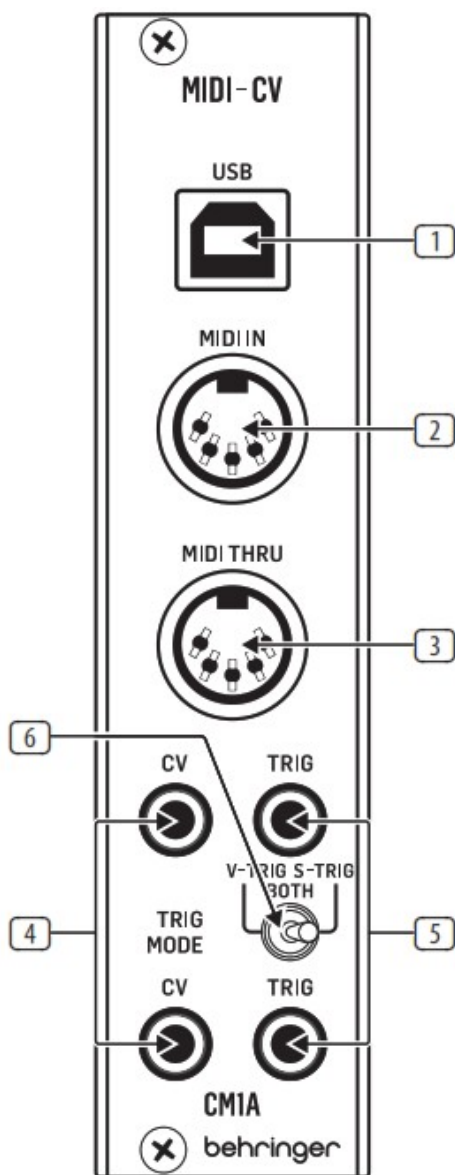
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LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at community.musictribe.com/pages/support#warranty.

CM1A



Controls

- 1. USB** – Connect to a computer to transmit MIDI control signals to the CV and Trig outputs. The module can also receive firmware updates via this connection.
- 2. MIDI IN** – Connect a MIDI controller to transmit signals to the CV and Trig outputs.
- 3. MIDI THRU** – Pass the signals received at the MIDI In jack to other devices.
- 4. CV** – Send control voltages received via USB or MIDI to other modules.
- 5. TRIG** – Send trigger signals received via USB or MIDI to other modules.

6. **TRIG MODE** – Selects whether the Trig outputs function as V-trig or S-Trig. In the middle position, the upper output functions as S-trig, and the lower output functions as V-trig.

Mode Select

A button on the rear panel allows the CM1A to be configured for use with various synth families offered by Behringer. The first LED indicates whether the CV range is optimal for System 15/35/55 or System 100/2500 series modules.

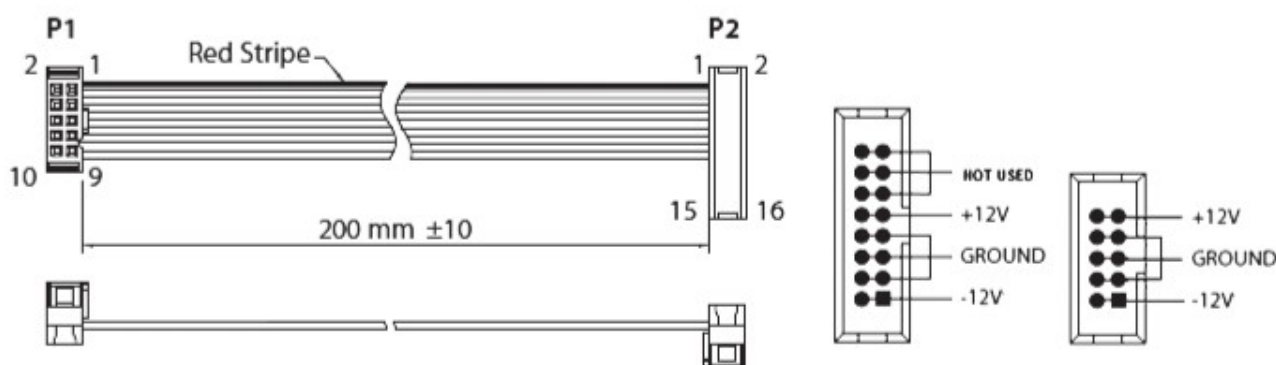
The second LED indicates monophonic or duophonic operation.

Press the button quickly to switch the CV range, or press and hold to switch between monophonic and duophonic.

Mode	LED colors	Operation
Mode 1	Red/red	System 15/35/55 CV range, monophonic
Mode 2	Green/red	System 100/2500 series CV range, monophonic
Mode 3	Red/green	System 15/35/55 CV range, duophonic
Mode 4	Green/green	System 100/2500 series CV range, duophonic

SYNTHTRIBE

Download the SYNTHTRIBE application from behringer.com to adjust pitch bend range, select MIDI channel and CV mode, and adjust note range (C0 to C9), and other calibration.



Connect end P1 to the module socket
Connect end P1 to the module socket

Power Connection

The unit comes with the required power cable for connecting to a standard Eurorack power supply system. Follow these steps to connect power to the module. It is easier to make these connections before the module has been mounted into a rack case.

1. Turn the power supply or rack case power off and disconnect the power cable.
2. Insert the 16-pin connector on the power cable into the socket on the power supply or rack case. The connector has a tab that will align with the gap in the socket, so it cannot be inserted incorrectly. If the power supply does not have a keyed socket, be sure to orient pin 1 (-12 V) with the red stripe on the cable.
3. Insert the 10-pin connector into the socket on the back of the module. The connector has a tab that will align

with the socket for correct orientation.

4. After both ends of the power cable have been securely attached, you may mount the module in a case and turn on the power supply.

Installation

The necessary screws are included with the module for mounting in a Eurorack case. Connect the power cable before mounting.

Depending on the rack case, there may be a series of fixed holes spaced 2 HP apart along the length of the case, or a track that allows individual threaded plates to slide along the length of the case. The free-moving threaded plates allow precise positioning of the module, but each plate should be positioned in the approximate relation to the mounting holes in your module before attaching the screws.

Hold the module against the Eurorack rails so that each of the mounting holes are aligned with a threaded rail or threaded plate. Attach the screws part way to start, which will allow small adjustments to the positioning while you get them all aligned. After the final position has been established, tighten the screws down.

Specifications

Outputs	
CV	
Type	2 x 3.5 mm TS jack, DC coupled
Impedance	100 Ω
Max output level	-6.3 V to +10 V
CV range, System 100, 2500 series mode	-1 V to +9 V, 1 V/octave
CV range, System 15, 35, 55 mode	-5.3 V to +4.7 V, 1 V/octave
CV modes	output
Trig	
Type	2 x 3.5 mm TS jack, DC coupled
Impedance	25 Ω
Max output level	+5 V when in V-Trig mode, S-Trig = pull down to 0 V
Trig modes	V-Trig, S-Trig, both: upper = S-Trig, lower = V-Trig
MIDI	
Type	2 x 5-pin DIN
	MIDI IN and MIDI THRU
	MIDI Channel (1 to 16) set via SynthTribe tool
USB	
Type	USB 2.0, Type B
Mode select (rear panel)	
Mode 1, underside LEDs = red/red	System 15, 35, 55 CV range, monophonic
Mode 2, underside LEDs = green/red	System 100, 2500 series CV range, monophonic
Mode 3, underside LEDs = red/green	System 15, 35, 55 CV range, duophonic
Mode 4, underside LEDs = green/ green	System 100, 2500 series CV range, duophonic
Power	
Power supply	Eurorack
Current draw	70 mA (+12 V), 10 mA (-12 V)
Physical	
Dimensions	30 x 129x 520 mm (1.18 x 5.08 x 20.47")
Rack units	6 HP
Weight	0.09 kg (0.19 lbs)

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer
CM1A

Responsible Party Name:	Music Tribe Commercial NV Inc.
Address:	122 E. 42nd St.1, 8th Floor NY, NY 10168, United States
Email Address:	legal@musictribe.com

CM1A

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Important information:

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.



Hereby, Music Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

Full text of EU DoC is available at <https://community.musictribe.com/>

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Address: Gammel Strand 44, DK-1202 København K, Denmark


UK Representative: Music Tribe Brands UK Ltd.

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United Kingdom

We Hear You



Documents / Resources

<p>Quick Start Guide</p> <p>EN</p> <p>ES</p> <p>FR</p> <p>DE</p> <p>PT</p> <p>IT</p> <p>NL</p> <p>SE</p> <p>PL</p> <p>CM1A MIDI to CV Converter Module for Eurorack</p> <p>123</p> 	<p>Behringer CM1A MIDI-CV Converter Module Eurorack [pdf] User Manual</p> <p>CM1A MIDI-CV Converter Module Eurorack, MIDI-CV Converter Module Eurorack, Module Eurorack</p>
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