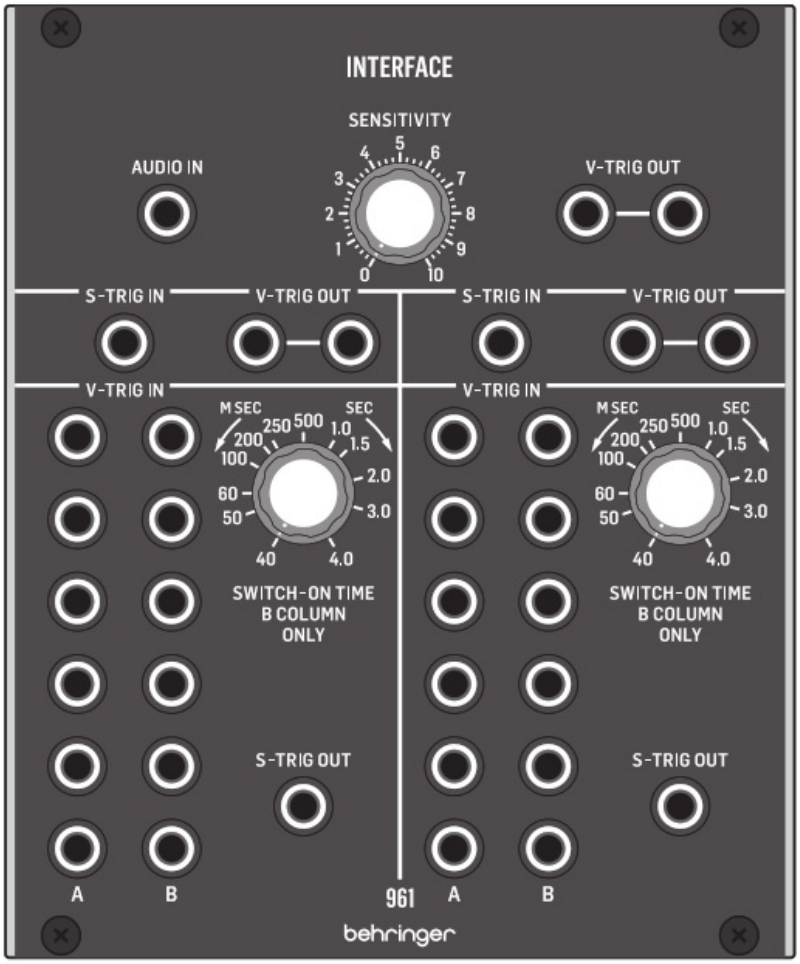
behringer 961 INTERFACE User Guide

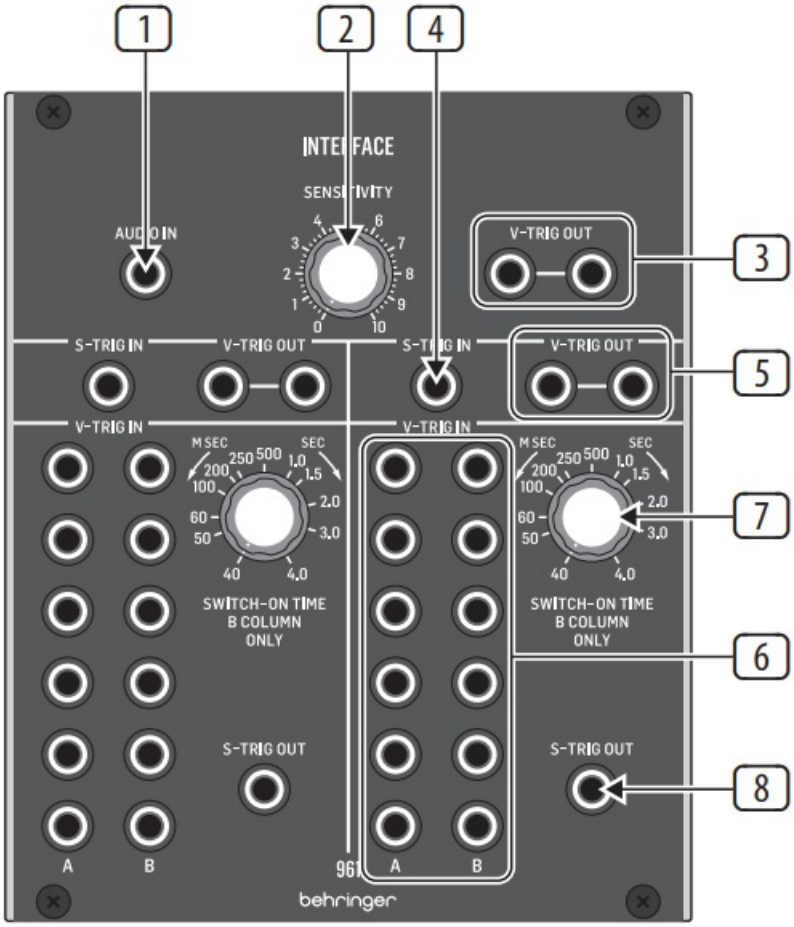
961 INTERFACE
Quick Start Guide



Legendary Analog Multi-Channel Trigger Converter Module for Eurorack

Contents

961 INTERFACE Controls

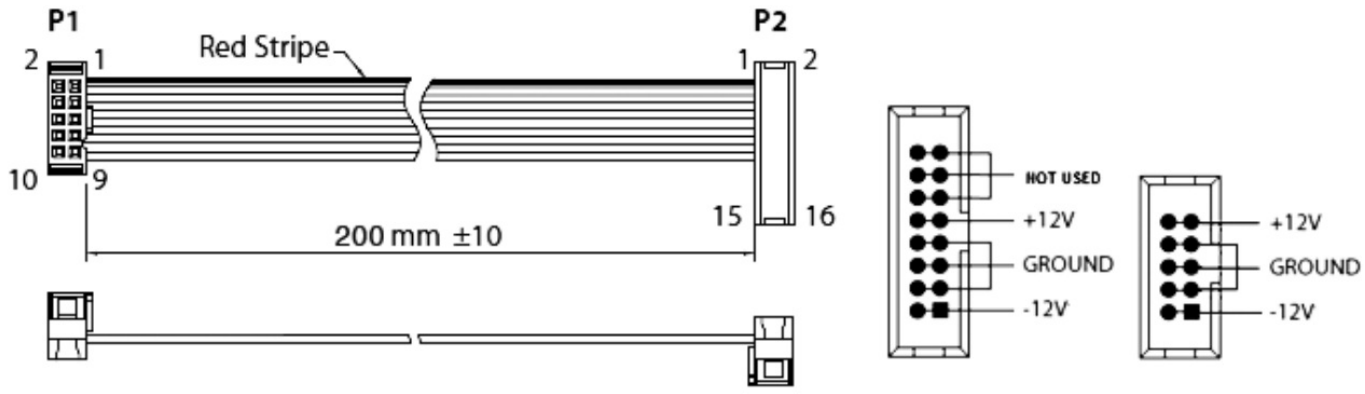


Controls

1. AUDIO IN – Use this 3.5 mm jack to route an audio signal into the module for conversion to a V-Trig (voltage trigger) signal. The audio signal passes through the SENSITIVITY control before being converted, and the final, converted signal then exits the module at the V-TRIG OUT parallel connections immediately to the right of the SENSITIVITY knob.
2. SENSITIVITY – Use this knob to adjust the gain of the audio signal coming into the module through the AUDIO IN jack. Rotate the knob until you find a setting that gives you the best audio-to-voltage conversion.
3. V-TRIG OUT – Use the parallel jacks to route the converted audioto-voltage V-Trig signal back out of the module via cables with 3.5 mm TS connectors.

4. S-TRIG IN – Route S-Trig (switch trigger) control signals into the module via cables with 3.5 mm TS connectors for conversion to V-Trig (voltage trigger) signals. The converted V-Trig signal comes back out of the module via the parallel V-TRIG OUT jacks immediately to the right of the S-TRIG IN jack.
5. V-TRIG OUT – Use these parallel jacks to send the converted V-Trig signal back out of the module via cables with 3.5 mm TS connectors.
6. V-TRIG IN A/B – Use these rows of 3.5 mm jacks to route in multiple V-Trig (voltage trigger) signals for conversion to an S-Trig (switch trigger) signal that exits the module via the S-TRIG OUT jack assigned to this section of the module. The V-TRIG IN A row of inputs go straight to conversion and output, while the V-TRIG IN B row of inputs pass through the SWITCH-ON TIME control before being combined with the converted A signal for final output through the S-TRIG OUT jack. When any valid V-TRIG input activates the S-TRIG output, any other V-TRIG input activity will be ignored until the first V-TRIG cycle has ended.
7. SWITCH-ON TIME – Use this knob to manually limit or extend the “ON” time duration of V-Trig signals coming in through the V-TRIG IN B row of input jacks. The
   “ON” time can be varied from 40 milliseconds to a full 4 seconds.
8. S-TRIG OUT – This jack routes the final S-Trig signal from the V-TRIG IN A/B jacks back out of the module via cables with 3.5 mm TS connectors.

Power Connection



The 961 INTERFACE module 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.

Specification

Signal Connections

Audio-to-voltage-trigger converter	1 x circuit
Audio in	1 x 3.5 mm jack, AC coupled
Input impedance	> 3 kΩ unbalanced
V-trig out	2 x 3.5 mm parallel jacks, DC coupled
Output Impedance	< 2 kΩ, unbalanced
Maximum output level	+5 V
Switch-to-voltage-trigger converter	2 x circuit (left and right)
S-trig in	1 x 3.5 mm jack, DC coupled
Operation	Pull low to trigger
Maximum input level	+12 V
V-trig out	2 x 3.5 mm parallel jacks, DC coupled
Output Impedance	< 2 kΩ, unbalanced
Maximum output level	+5 V
Voltage-to-switch-trigger converter	2 x circuit (left and right)
V-trig in A	6 x 3.5 mm jacks, DC coupled
Input Impedance	10 kΩ, unbalanced
Maximum input level	+5 V
Minimum level to trigger	+ 1.5 V
V-trig in B	6 x 3.5 mm jacks, AC coupled
Input Impedance	10 kΩ unbalanced
Maximum input level	+5 V
Minimum level to trigger	+ 1.5 V
S-trig out	1 x 3.5 mm jack, DC coupled
Operation	Active low
Output level	0 V to +12 V pullup resistor

Controls

Sensitivity	1 x rotary knob
Switch-on time	2 x rotary knob 40 ms to 4 s, adjustable

Power

Power supply	Eurorack
Current draw	50 mA (+12 V)

Physical

Dimensions	35 x 106 x 129 mm (1.4 x 4.2 x 5.1″)
Rack units	21 HP
Weight	0.22 kg (0.49 lbs)

CE Hereby, Music Tribe declares that this product is in compliance with 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/**
EU Representative: Music Tribe Brands DK A/S
Address: Ib Spang Olsens Gade 17, DK – 8200 Aarhus N, Denmark

We Hear You

behringer

Documents / Resources

	behringer 961 INTERFACE [pdf] User Guide 961 INTERFACE, 961, INTERFACE

References

- Music Tribe