behringer 921A Legendary Analog Oscillator Driver Module

behringer 921A Legendary Analog Oscillator Driver Module User Guide

Contents

behringer

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Legendary Analog Oscillator Driver Module for Eurorack

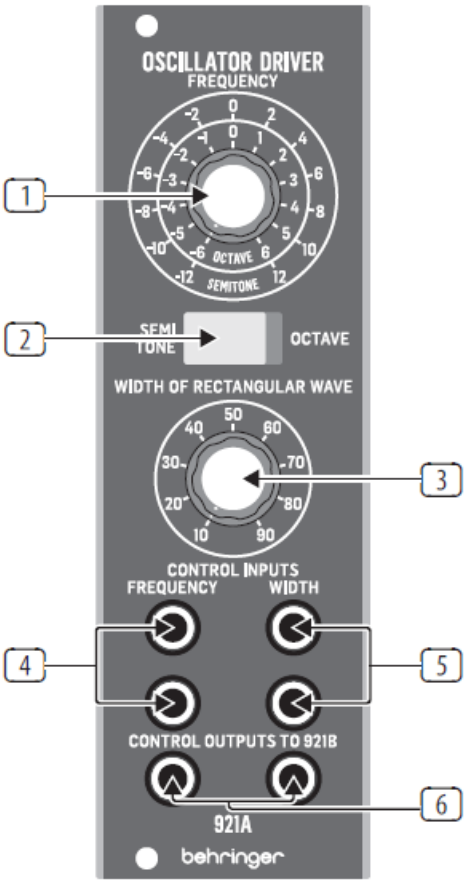
Safety Instruction

1. Please read and follow all instructions.
2. Keep the apparatus away from water, except for outdoor products..
3. Clean only with a dry cloth.
4. Do not block any ventilation openings. Install per the manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Use only attachments/accessories specified by the manufacturer.
7. Use only specified carts, stands, tripods, brackets, or tables. Use caution to prevent tip-overs when moving the cart/apparatus combination.
8. Avoid installing in confined spaces like bookcases.
9. Do not place near naked flame sources, such as lighted candles.
10. Operating temperature range 5° to 45°C (41° to 113°F).

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/support**.

OSCILLATOR DRIVER Controls

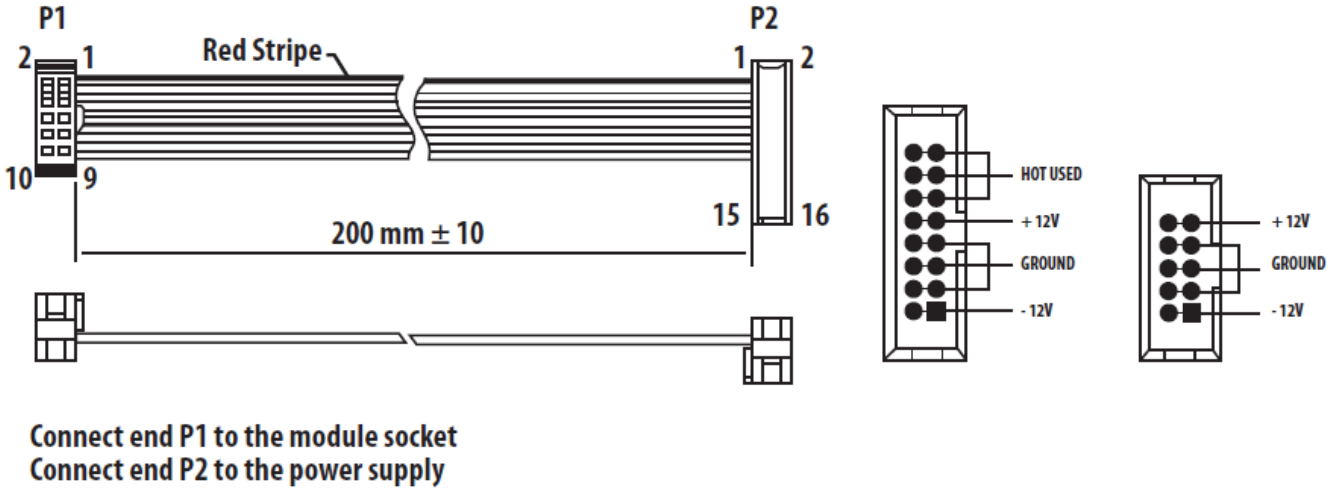


Controls

1. **FREQUENCY** – This knob manually sets the frequency for oscillators connected to the 921A module.
2. **SEMITONE/OCTAVE** – Use this rocker switch to select between semitone or octave increments for the FREQUENCY knob.
3. **WIDTH OF RECTANGULAR WAVE** Select between settings ranging from 10% to 90%.
4. **CONTROL INPUT/FREQUENCY** – Connect incoming control voltage signals for the frequency to these dual-sampled input jacks via cables with 3.5 mm TS connectors. These two control inputs are also summed with the FREQUENCY control knob.
5. **CONTROL INPUTS/WIDTH** – Connect incoming control voltage/modulation signals for the rectangular wave width to these dual-sampled jacks via cables with 3.5 mm TS connectors. These two control inputs are also summed with the WIDTH knobs.
6. **CONTROL OUTPUTS TO 921B** – Connect control signals to a 921B VCO modules. The left output jack is for frequency control signals and connects to one of the 921B frequency link jacks. The right output jack is for

rectangular wave width control signals and connects to one of the 921B width link jacks. The secondary parallel link jacks on the 921B can then be chained to other 921B VCO modules, and up to twelve 921B modules can be driven by the 921A driver.

Power Connection



Connect end P1 to the module socket
Connect end P2 to the power supply

The 921A OSCILLATOR DRIVER 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 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

Controls

Frequency	1 x rotary knob ±6 octaves / ±12 semitone, switchable
Semitone/octave	Rocker switch, ±1 VDC or ±6 VDC
Width of rectangular wave	< 10% to > 90%, 0 VDC to +6 VDC
Signal Connections	
Frequency control inputs	2 x 3.5 mm jack, summed, 1 V/oct.
Rectangular width control inputs	2 x summed 3.5 mm jack, 1 V/16%
Input Impedance	100 kΩ unbalanced
Maximum input level	-10 VDC to +10 VDC
Frequency control output	1 x 3.5 mm jack, 1 V/oct
Rectangular width control output	1 x 3.5 mm jack, 1 V/16%
Output Impedance	10 Ω unbalanced
Maximum output level	-10 VDC to +10 VDC
Drive capability	12 x 921B VCO modules
Power	
Power supply	Eurorack
Current draw	25 mA (+12 V), 25 mA (-12 V)
Physical	
Dimensions	40 x 129 x 35 mm (1.6 x 5.1 x 1.4″)
Rack units	8 HP
Weight	0.09 kg (0.20 lbs)

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer 921A OSCILLATOR DRIVER

- **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

FCC STATEMENT

921A OSCILLATOR DRIVER
This equipment has been tested and found to comply with the limits for a Class B digital device, under 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 by 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 the receiver.
- Connect the equipment to 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.

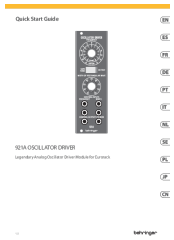
This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

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 complies 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: Gammel Strand 44, DK-1202 København K, Denmark UK Representative: Music Tribe Brands UK Ltd. Address: 8th Floor, 20 Farringdon Street London EC4A 4AB, United KingdomCorrect disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.

- We Hear You

Documents / Resources

	[behringer 921A Legendary Analog Oscillator Driver Module] [pdf] User Guide 921A Legendary Analog Oscillator Driver Module, 921A, Legendary Analog Oscillator Driver Module, Analog Oscillator Driver Module, Oscillator Driver Module, Driver Module, Module

References

- Music Tribe
- Music Tribe
- Music Tribe
- User Manual