

2600-VCO

Legendary Analog VCO Module for Eurorack

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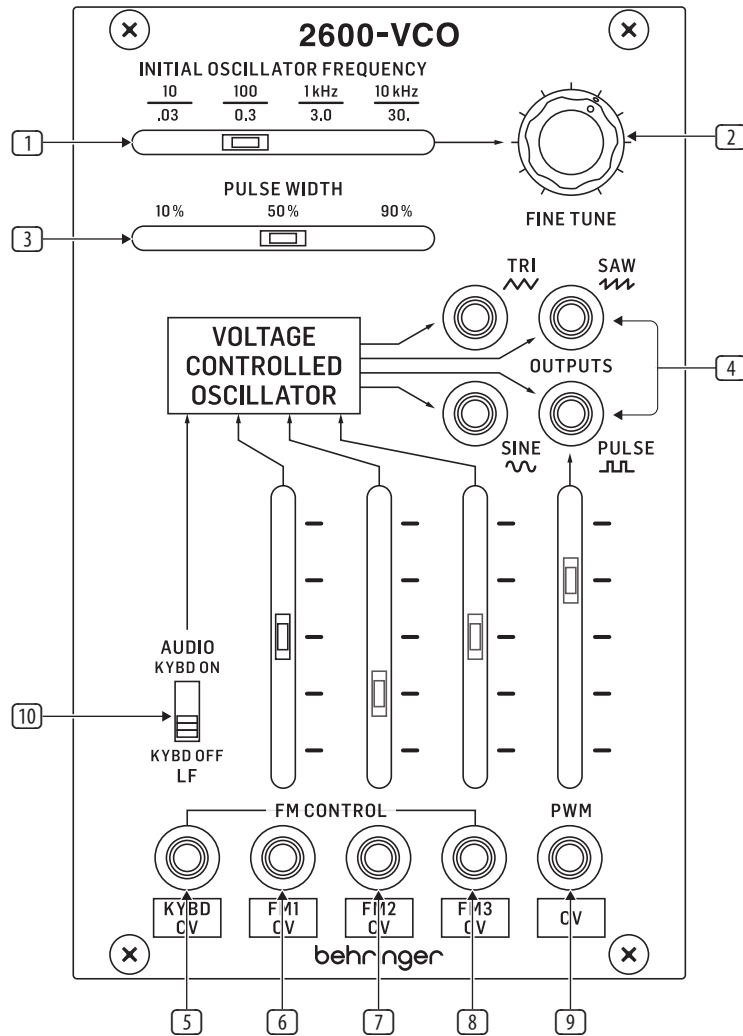
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2600-VCO

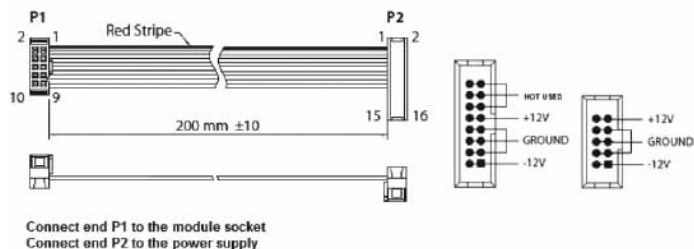
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EN Step 2: Controls



- 1 **INITIAL OSCILLATOR FREQUENCY** – selects the initial frequency of the VCO. In Audio mode the range is 10 Hz to 10 kHz; in Low Frequency mode (LF) the range is 0.03 Hz to 30 Hz.
- 2 **FINE TUNE** – allows the 2600 VCO to be tuned to other VCOs or instruments, the control has a range of ± 0.4 octaves.
- 3 **PULSE WIDTH** – allows manual control over the width of the pulse waveform and has a range from 10% to 90%
- 4 **OUTPUTS** – separate outputs for sine, triangle, sawtooth and pulse waveforms. All are available simultaneously.
- 5 **KEYBOARD CV INPUT** – accepts control voltages from a keyboard or MIDI/CV converter in the range 0 V – 10 V
- 6 **7, 8 - FM INPUTS AND LEVELS** – input for frequency modulation of the VCO plus attenuators to control the level of modulation
- 9 **PULSE WIDTH MODULATION INPUT AND LEVEL** – input for an external source of modulation of the width of the pulse waveform plus attenuator to control the level of modulation
- 10 **KEYBOARD ON/OFF SWITCH** – allows the keyboard voltage to be switched off which puts the VCO into Low Frequency mode

Power Connection



The 2600-VCO module comes with the required power cable for connecting to a standard Eurorack power supply system. Follow these steps to connect the module to your Eurorack 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

Inputs

Keyboard CV

Type	1 x 3.5 mm TS jack, DC coupled
Impedance	100 k Ω , unbalanced
CV range	10 V, 1 V/oct.

FM1 / 2 / 3 CV

Type	3 x 3.5 mm TS jacks, DC coupled
Impedance	50 k Ω , unbalanced
CV range	10 V, 1 V/octave

PWM CV

Type	1 x 3.5 mm TS jack, DC coupled
Impedance	75 k Ω , unbalanced
CV range	10 V, typically 1 V/10%

Outputs

TRI/SINE/SAW/PULSE

Type	4 x 3.5 mm TS jacks, DC coupled
Impedance	1 k Ω , unbalanced
TRI level	± 5 V
SINE level	± 5 V
SAW level	0 V / +10 V
PULSE level	0 V / +10 V

Controls

Initial oscillator frequency fader	Sets oscillator frequency (10 oct. range)
Fine tune knob	Oscillator fine tune adjustment (± 0.4 oct.)
Audio (Kybd on) / LF (Kybd off) slide switch	Select audio band (10 Hz to 10 kHz) or LFO (0.03 Hz to 30 Hz)
FM 1 / 2 / 3 faders	Attenuate FM inputs ($-\infty$ to unity gain)
Pulse width fader	Pulse width adjustment (10% to 90%)
PWM fader	Pulse width modulation attenuator ($-\infty$ to unity gain)

Power

Power supply	Eurorack
Current draw	140 mA (+12 V), 5 mA (-12 V)

Physical

Dimensions (H x W x D)	129 x 81 x 42 mm (5.08 x 3.19 x 1.65")
Rack units	16 HP
Weight	0.15 kg (0.33 lbs)



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/>

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