

behringer
behringer 1036 Random
Voltage Module



behringer 1036 Random Voltage Module User Guide

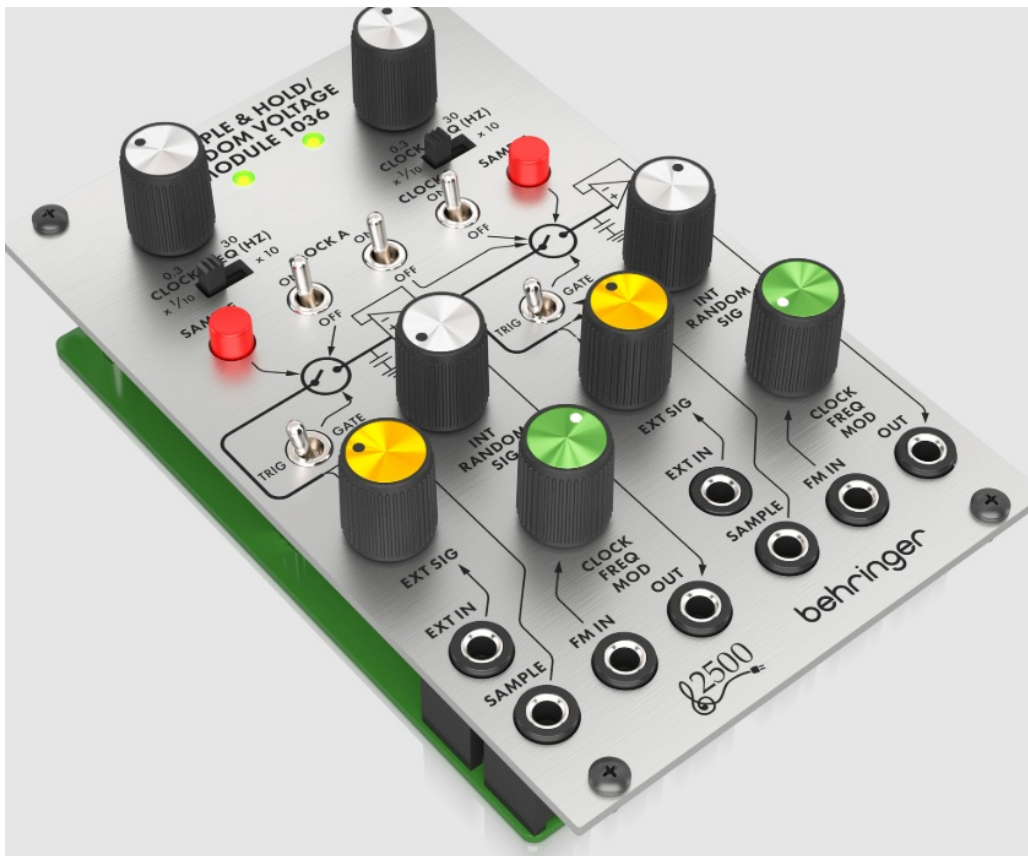
[Home](#) » [Behringer](#) » behringer 1036 Random Voltage Module User Guide 

Contents

- 1 behringer 1036 Random Voltage Module
- 2 Product Usage Instructions
- 3 Safety Instruction
- 4 LIMITED WARRANTY
- 5 SAMPLE & HOLD / RANDOM VOLTAGE MODULE 1036 Controls
- 6 Power Connection
- 7 Installation
- 8 Specifications
- 9 FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION
- 10 SAMPLE & HOLD / RANDOM VOLTAGE MODULE 1036
- 11 Important information
- 12 Documents / Resources
 - 12.1 References
- 13 Related Posts

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behringer 1036 Random Voltage Module



Specifications

- Product Name: SAMPLE & HOLD / RANDOM VOLTAGE MODULE 1036
- Series: Legendary 2500 Series
- Function: Dual Sample and Hold with Voltage Controlled Clock
- Module for Eurorack
- Version: 3.0

Product Usage Instructions

Safety Instructions

1. Read and follow all instructions.
2. Avoid water contact, except for outdoor use.
3. Clean only with a dry cloth.
4. Ensure ventilation openings are not blocked.
5. Avoid placing near heat sources.
6. Use only manufacturer-specified attachments and accessories

Controls

1. Adjust Clock Frequency knob for timing control (1/10th or x10 interpretation).
2. Assign Clock A to sample and hold sections if needed.
3. Use trigger position for short sampler opening or gate position for continuous output.
4. Utilize onboard random voltage generator for signal generation.

5. Input and manipulate signals as needed.
6. Trigger sample command pulse or use the pulse generator.

FAQ

Q: Where can I find the warranty information for the product?

A: For warranty terms and conditions, visit community.musictribe.com/support for complete details.

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 in accordance with 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-over 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).

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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/support

SAMPLE & HOLD / RANDOM VOLTAGE MODULE 1036 Controls

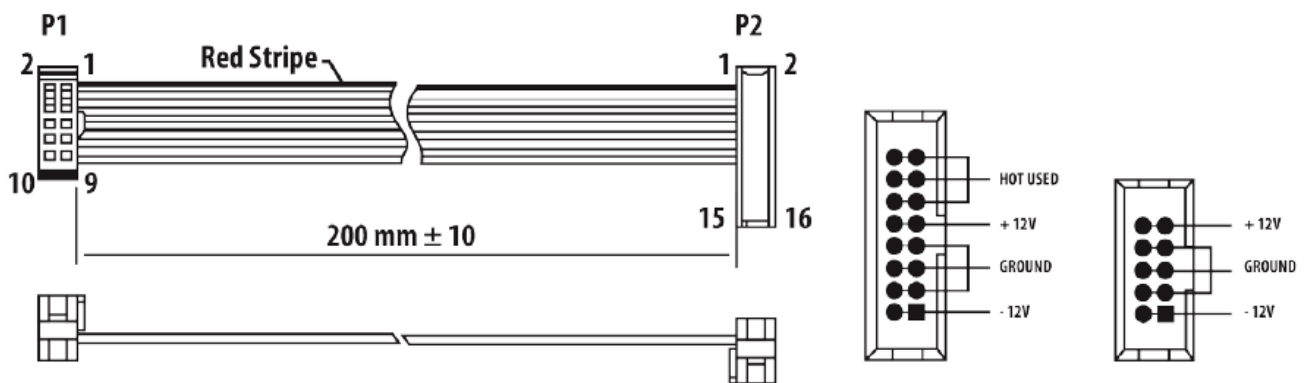
Controls

1. LED – Indicates that clock A or B is engaged.
2. CLOCK FREQ – Sets the clock frequency value.
3. CLOCK RANGE – Determines whether the value selected with the associated Clock Frequency knob is interpreted by a factor of 1/10th or x10. For example, a setting of 50 on the knob will either result in 5 Hz or 500 Hz.
4. SAMPLE – Manually generate a sample command pulse.
5. CLOCK ON/OFF – Engage clock A and B pulse generators independently. Clock A can be assigned to both

sample and hold sections if desired.

6. TRIG/GATE – Determines whether a short trigger or longer gate will open the sampler. In the trigger position, the positive edge of the pulse will open the sampler for about 10 ms, whereas the gate position will hold the output of the sampler open for the entire duration of the positive pulse.
7. INT RANDOM SIG – Adjusts the level of the internal random signal generator, which can be used instead of or in addition to an external signal.
8. EXT SIG – Attenuates the signal connected to the EXT IN jack.
9. CLOCK FREQ MOD – Attenuates the signal connected to the FM IN jack.
10. EXT IN – Connect an external voltage which will be sampled and manipulated.
11. SAMPLE – Connect an external oscillator or keyboard trigger to generate a sample command pulse.
12. FM IN – Connect a voltage to control the clock frequency modulation of the pulse generator.
13. OUT – Send the sample to other modules via 3.5 mm TS cable.

Power Connection



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

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

Inputs	
FM in	
Type	2 x 3.5 mm TS jacks
Impedance	50 kΩ, unbalanced
CV range	0-10 V
Sample	
Type	2 x 3.5 mm TS jacks
Impedance	10 kΩ, unbalanced
Max input level	5 V
Ext in	
Type	2 x 3.5 mm TS jacks
Impedance	25 kΩ, unbalanced
Max input level	10 V
Outputs	
Out	
Type	2 x 3.5 mm TS jacks
Impedance	1 kΩ, unbalanced
Max output level	10 V
Controls	
Clock freq	0.3-30 Hz
Clock range	Clock value factor of x0.1 or x10
Clock on/off	Engage pulse generators
Sample	Generate sample command
Trig/gate	Selects sample (trig) or continues sample (gate)
Int random sig	0 to ±7 V
Ext sig	-∞ to unity gain
Clock freq mod	-∞ to unity gain
Power	
Power supply	Eurorack
Current draw	40 mA (+12 V), 40 mA (-12 V)
Physical	
Dimensions	43 x 81 x 129 mm (1.7 x 3.2 x 5.1")
Rack units	16 HP
Weight	0.18 kg (0.4 lbs)

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer

SAMPLE & HOLD / RANDOM VOLTAGE MODULE 1036

- 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

SAMPLE & HOLD / RANDOM VOLTAGE MODULE 1036

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.

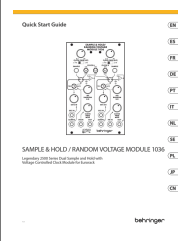


Hereby, Music Tribe declares that this product is in compliance with General Product Safety Regulation (EU) 2023/988, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

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 Kingdom

Documents / Resources

	behringer 1036 Random Voltage Module [pdf] User Guide 1036 Random Voltage Module, 1036, Random Voltage Module, Voltage Module, Module
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References

-  **Music Tribe**

-  [Music Tribe](#)
- [User Manual](#)

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