Manuals+ — User Manuals Simplified.

behringer RADAR Contact and Pickup Microphone Module for Eurorack

behringer RADAR Contact and Pickup Microphone Module for Eurorack Instruction Manual

Contents

behringer

behringer RADAR Contact and Pickup Microphone Module for Eurorack

Product Information

Specifications:

- **Product Name:** RADAR Contact and Pickup Microphone Module for Eurorack
- **Version:** 2.0
- **Controls:** ATTACK TIME, GATE SENSITIVITY, PICKUP, INDICATOR LEDS, EXTERNAL INPUT, ENVELOPE OUTPUT, GAIN, DECAY TIME, AUDIO OUTPUT, GATE OUTPUT
- **Power Connection:** P1 21 Red Stripe, P2 12

Product Usage Instructions

Safety Instructions:

- Read and follow all instructions provided.
- Avoid water contact except for outdoor products.
- Clean only with a dry cloth.
- Do not block ventilation openings.
- Avoid placing near heat sources like radiators, heat registers, stoves, or amplifiers that produce heat.
- Use only attachments/accessories specified by the manufacturer.

Power Connection:

1. Turn off the power supply or rack case power 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. Ensure correct alignment.
3. If the power supply lacks a keyed socket, align pin 1 (-12V) with the red stripe on the cable.

Frequently Asked Questions (FAQ)

Q: Where can I find warranty information for the RADAR module?
A: For details on Music Tribe's Limited Warranty terms and conditions, visit **community.musictribe.com/support**.

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 by 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).
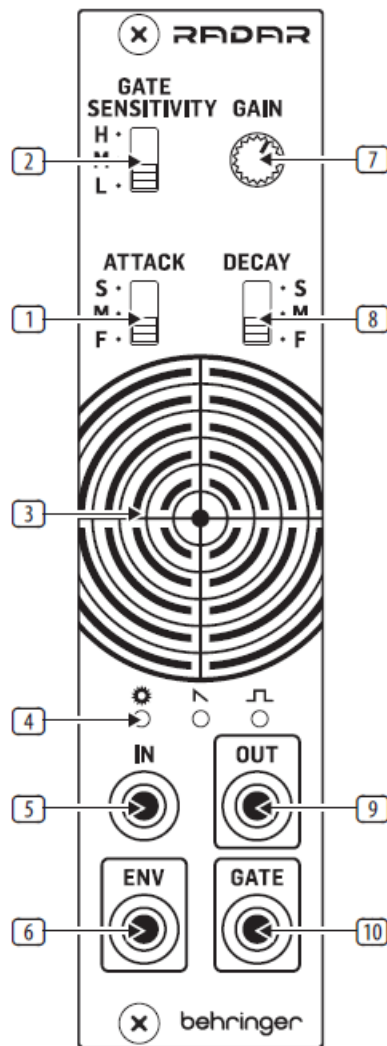
LEGAL DISCLAIMER

Music Tribe accepts no liability for any loss that may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Aston Microphones and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd.
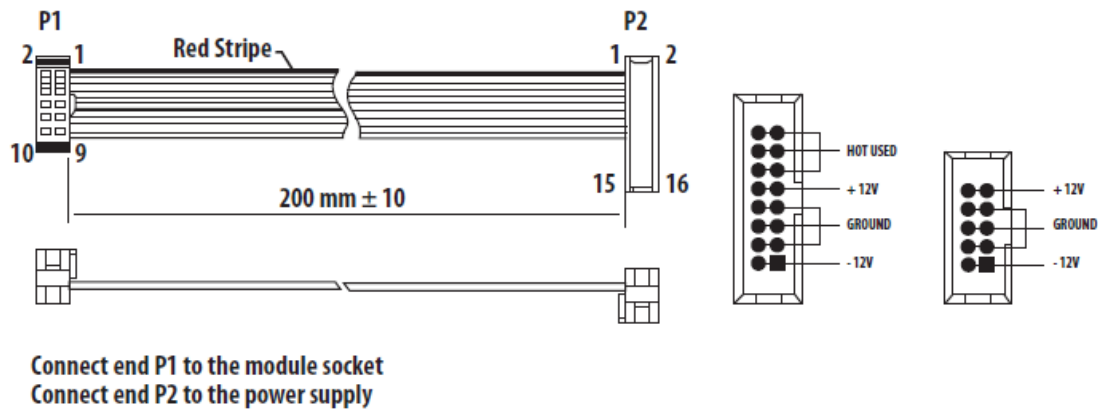
LIMITED WARRANTY

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**.

Controls

1. **ATTACK TIME** – three positions adjust envelope attack time to Slow, Medium or Fast.

2. **GATE SENSITIVITY** – three positions adjust gate sensitivity to Low, Medium or High.

3. **PICKUP** – The contact microphone generates audio signals and gates when tapped or scraped.

4. **INDICATOR LEDS** – Red LED indicates microphone signal clipping; White LED indicates envelope level; Amber indicates generation of a gate.

5. **EXTERNAL INPUT** – allows the use of an external audio signal instead of the built-in contact microphone.

6. **ENVELOPE OUTPUT** – output for envelope curves generated by the RADAR.

7. **GAIN** – adjusts the gain of the contact microphone or external audio input. Variable between 0 dB and +50 dB.

8. **DECAY TIME** – three positions adjust envelope decay time to Slow, Medium or Fast.

9. **AUDIO OUTPUT** – outputs the audio signal generated by the contact microphone or external input. This output can also be used as a control voltage source.

10. **GATE OUTPUT** – outputs gates of up to +5 V derived from the use of the contact microphone or external audio input.

Power Connection

P1
Red Stripe
P2
200 mm ± 10

HOT USED
+ 12V
GROUND
- 12V

+ 12V
GROUND
- 12V

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

The RADAR 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 is 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

External In

Type	3.5 mm TS jack, DC coupled
Impedance	1 MΩ
Max input level	+19 dBu

Outputs

Out

Type	3.5 mm TS jack, DC coupled
Impedance	470 Ω
Max output level	+19 dBu
Output noise at unity gain	Dependent on Power Supply

Envelope Out

Type	3.5 mm TS jack, DC coupled
Impedance	470 Ω
Maximum Voltage p to p	0 / +10 V

Gate Out

Type	3.5 mm TS jack, DC coupled
Impedance	470 Ω
Maximum Voltage p to p	0 / +5 V output voltage

Controls

Gain	0 / +50 dB
Sensitivity Switch	Three position – L = +18 dBu / M = +9 dBu / H = 0 dBu
Attack Switch	Three positions – S / M/ F
Decay Switch	Three positions – S / M/ F
Microphone LED	Red-signal clipping
Envelope LED	White – envelope generated
Gate LED	Amber – gate generated

Power

Power supply	Eurorack
Current draw	10 mA (+12 V), 5 mA (-12 V)

Physical

Dimensions	30.2 x 128.5 x 35.6 mm (1.2 x 5.1 x 1.4″)
Rack units	6 HP
Weight	0.06 kg (2.1 oz)

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer RADAR

- **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**.

RADAR
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 Kingdom.

Correct 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 centre 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.

Documents / Resources

Quick Start Guide EN ES FR DE PT IT NL SE PL JP CN RADAR Contact and Pickup Microphone Module for Eurorack behringer	**behringer RADAR Contact and Pickup Microphone Module for Eurorack** [pdf] Instruction Manual RADAR Contact and Pickup Microphone Module for Eurorack, RADAR, Contact and Pickup Microphone Module for Eurorack, Pickup Microphone Module for Eurorack, Microphone Module for Eurorack, Module for Eurorack, Eurorack

References

- **ⓜ Music Tribe**
- **ⓜ Music Tribe**
- **ⓜ Music Tribe**
- **User Manual**