

electro-harmonix

Nano Metal Muff with Noise Gate

Congratulations on your purchase of the Nano Metal Muff, a pocket-sized offering of EHX's classic Metal Muff. The Nano Metal Muff utilizes three powerful EQ bands and a newly added noise gate to tame unwanted noise and hum between riffs. The Nano Metal Muff offers commanding bass, sculpted mids, and defined highs coupled with user-controlled distortion from pinched-edge to totally crushing—making it a true heavy metal machine.

CONTROLS

DIST Knob – Adjusts the amount of distortion and saturation. Turn clockwise for more saturation.

GATE Knob – Removes unwanted hum by adjusting the noise floor threshold. The gate mutes the OUTPUT jack when the signal at the INPUT jack is below the threshold setting of the GATE knob. As GATE is turned clockwise, a louder guitar signal at the INPUT jack is required to unmute the OUTPUT jack. Set GATE fully counter-clockwise to disable.

Setting the GATE knob: start with GATE fully counterclockwise, DIST above noon, and your guitar volume at max, you may want to hold the strings so they don't ring out. Slowly turn GATE clockwise until the Nano Metal Muff mutes. Now turn GATE a little further clockwise and then test it. If you have to play with too much force to unmute the gate then turn GATE a little counter-clockwise. If you want the gate to act more quickly at the end of notes, turn GATE further clockwise.

GATE LED – This LED lights when the internal gate mutes the output signal. When the GATE LED is off, the signal is allowed to pass through to the output jack.

VOL Knob – Sets the overall output level.

BASS Knob – Provides up to 14dB of cut and boost in the bass frequency range.

MID Knob – Provides up to 15dB of cut and boost in the middle frequency range.

TREBLE Knob – Provides up to 10dB of cut and boost in the treble frequency range.

BYPASS Footswitch & STATUS LED – Toggles the Nano Metal Muff between effect and buffered bypassed. The STATUS LED lights when the pedal is engaged.

CONNECTIONS & POWER

INPUT Jack – This ¼" jack is the audio input to the Nano Metal Muff. The input impedance presented at the INPUT jack is 1MΩ.

OUTPUT Jack – This ¼" jack is the audio output from the Nano Metal Muff. In Bypass mode, the OUTPUT jack is connected to the INPUT jack through a buffer circuit. The output impedance at the OUTPUT Jack is 600Ω.

9V Power Jack – An optional 9VDC, center-negative power supply can be inserted into this jack to power the Nano Metal Muff. The Nano Metal Muff requires 24mA at 9VDC on a center-negative plug. Do not exceed 12V at the power jack.

When using a 9V battery, plugging into the INPUT jack activates power. The input cable should be removed when the unit is not in use to avoid running down the battery.

To change the 9-volt battery, you must remove the 4 screws on the bottom of the Nano Metal Muff. Once the screws are removed, you can take off the bottom plate and change the battery. Please do not touch the circuit board while the bottom plate is off or you may damage a component.

NOTES & SPECIFICATIONS

- Audio input impedance at INPUT jack: 1MΩ
- Audio output impedance at OUTPUT jack: 600Ω
- Current draw: 24mA
- Maximum input signal level in bypass, before clipping: +8.5dBu

To achieve its biting distortion, the Nano Metal Muff has very high maximum gain. This requires that both the pickups and cables be well shielded and properly grounded to avoid excessive hum when high sustain control settings are used.

COMPLIANCE

Note: *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.*

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.



The CE logo indicates that this product has been tested and shown to conform with all applicable European Conformity directives.



The WEEE or "trashcan" logo indicates that this product is made up of electronic components that should not be trashed alongside household waste but instead should be recycled by a proper electrical waste facility.

WARRANTY INFORMATION

Please register online at <http://www.ehx.com/product-registration> or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term.

If you should need to return your unit for service within the warranty period, please contact the appropriate office listed below. Customers outside the regions listed below, please contact EHX Customer Service for information on warranty repairs at info@ehx.com or +1-718-937-8300. USA and Canadian customers: please obtain a **Return Authorization Number (RA#)** from EHX Customer Service before returning your product. Include—with your returned unit—a written description of the problem as well as your name, address, telephone number, e-mail address, RA# and a copy of your receipt clearly showing the purchase date.

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