

electro-harmonix

NANO BATTALION

BASS PREAMP + OVERDRIVE

Congratulations on your purchase of the Electro-Harmonix Nano Battalion. The all-analog circuitry of the Nano Battalion provides you with an amazing variety of bass tones in a sturdy and compact pedal. At the core of the Nano Battalion's tone is a versatile MOSFET drive circuit that can range from a subtle, light overdrive to fully saturated distortion. A flexible three band equalizer includes a three way EQ Position switch to select where the EQ falls in the pedal's signal path.

The Nano Battalion features a normal ¼" input, plus a ¼" output that can output either a normal, unbalanced signal (with a normal TS cable) or a balanced signal (with a TRS cable) to go right into a mixing console or recording interface. The Nano Battalion features buffered bypass and runs on a standard 9.6VDC center negative supply, drawing 45mA.

- Using the Nano Battalion -

Plug the 9VDC adapter into the jack on the top of the Nano Battalion. The unit must be powered to pass signal even in bypass. Connect an instrument cable from your bass into the **INPUT** jack. Insert a normal TS instrument cable between the **OUTPUT** jack and a suitable amplifier, or insert a TRS cable (or TRS to male XLR cable) between the **OUTPUT** jack and a suitable mixing console or recording interface. Click the **BYPASS** footswitch to engage the Nano Battalion. The LED lights to indicate that the unit is active.

WARNING: Your Nano Battalion comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The Nano Battalion requires **45mA** at 9VDC with a center negative plug. Use of the wrong adapter or a plug with the wrong polarity may damage your Nano Battalion and void the warranty.

- Main Control -

BYPASS Footswitch & LED – The LED illuminates when the effect is engaged. The LED will not light if the Nano Battalion is bypassed. Press the footswitch to toggle between effect on and buffered bypass mode.

VOL Knob – Sets master output level of the pedal.

BLEND Knob – Sets the ratio between clean signal and distorted signal. Turn BLEND up for more distorted signal.

DRIVE Knob – Sets the intensity and saturation of the distortion.

TONE Knob – Cuts high frequencies from the distortion as the knob is turned down.

EQ CONTROLS:

TREBLE Knob – Boost or cut high end. No effect when the knob is at 50%. Boosts/cuts frequencies starting above 1kHz. Maximum boost/cut about +/-12dB around 5kHz.

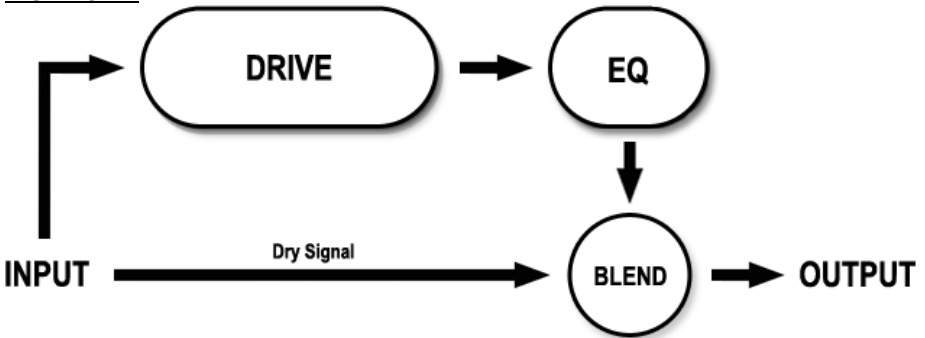
BASS Knob – Boost or cut low end. No effect when the knob is at 50%. Boosts/cuts frequencies starting below 200Hz. Maximum boost/cut about +/-12dB around 60Hz.

MID Switch – No effect when the switch is in the middle position. In the upwards position, 9dB boost around 500Hz. In the downwards position, 9dB cut around 500Hz.

- EQ POS. & Signal Path -

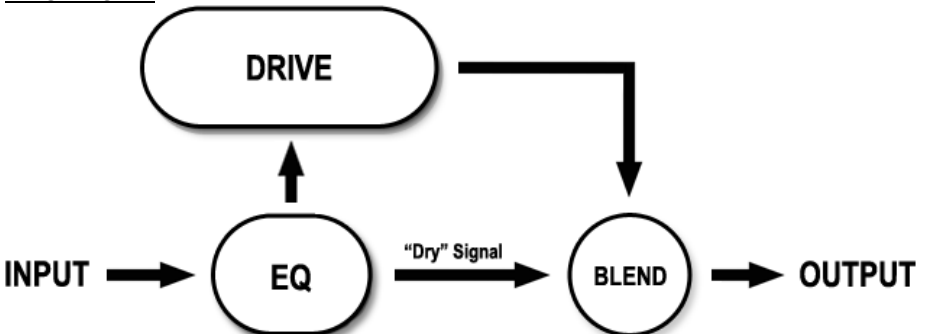
The EQ POS switch determines where the EQ (TREBLE, BASS, and MID controls) falls in the Nano Battalion's signal path. In all cases, the TONE knob controls follow immediately after the distorted signal, regardless of EQ position, and the VOL control is last in the signal path. There are three EQ POS modes, as illustrated below.

DIST MODE:



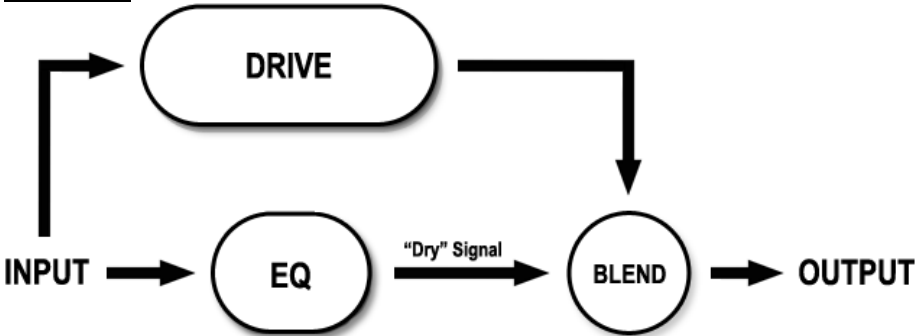
In DIST mode the EQ comes after the distortion signal, having a strong effect on the sound of the distorted signal. The clean signal is not affected by the EQ at all.

INPUT MODE:



In INPUT mode the EQ comes first in the signal path, affecting both the clean signal and the signal fed into the distortion. Boosting frequencies in this mode can help drive the distortion signal to a more saturated tone.

DRY MODE:



In DRY mode the EQ affects the clean signal, but doesn't affect the distorted signal at all.

- I/O & Power -

INPUT – Plug your bass, or the output of another effects unit, into this jack with a standard ¼" TS cable. The Nano Battalion has an input impedance of 1MΩ.

OUTPUT – This jack can output an unbalanced or balanced signal. An unbalanced signal is the more standard output type for an effects pedal. Plug a normal ¼" TS cable into this jack to output an unbalanced signal. Use this to plug the output of the Nano Battalion into a bass amp or another effects unit. To output a balanced signal, plug a TRS cable into this jack. Use this to plug the output of the Nano Battalion directly into a mixing console or recording interface, or other situations where you would use a DI box. Use a TRS to male XLR cable to plug the output of the Nano Battalion into an XLR input.

9V Power Jack – Plug the output of the included EHX 9.6DC-200 adapter into the 9V power jack of the Nano Battalion. The Nano Battalion draws **45mA** at 9VDC with a **center negative plug**. The Nano Battalion accepts Boss® and Ibanez® style AC Adapters capable of delivering at least 100mA.

The Nano Battalion does not accept batteries, and only works with an external 9V power supply. Do not open the unit as there are no user serviceable parts.



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

- 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.

United States & Canada

EHX CUSTOMER SERVICE
ELECTRO-HARMONIX
c/o NEW SENSOR CORP.
47-50 33RD STREET
LONG ISLAND CITY, NY 11101

Tel: 718-937-8300
Email: info@ehx.com

Europe

JOHN WILLIAMS
ELECTRO-HARMONIX UK
13 CWMDONKIN TERRACE
SWANSEA SA2 0RQ
UNITED KINGDOM

Tel: +44 179 247 3258
Email: electroharmonixuk@virginmedia.com

To hear demos of all EHX pedals visit us on the web at www.ehx.com
Email us at info@ehx.com

- FCC COMPLIANCE -

This device 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. If the device is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications and void the user's authority to guarantee the equipment.

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.