



TONE TATTOO

ANALOG MULTI-EFFECT PEDAL featuring METAL MUFF, NEO CLONE & MEMORY TOY

Congratulations on your purchase of the fully analog Electro-Harmonix TONE TATTOO, the first true multi-effect from Electro-Harmonix! The TONE TATTOO combines three of the most popular guitar effects: distortion, chorus and delay, into one small and convenient package. Each section in the TONE TATTOO is taken directly from some of EHX's best selling effects: Metal Muff for distortion, Neo Clone for analog chorus and analog delay from the Memory Toy.

The effects in the TONE TATTOO are completely independent from each other. Three separate footswitches, one for each section, allow for individual control over which effect is on or off. Each effect has its own dedicated knobs and switches all of which are tweakable at any moment; there are no menus to scroll through or dual function knobs.

The chain of effects in the TONE TATTOO is fixed as the following:

IN → METAL MUFF → NEO CLONE → MEMORY TOY → OUT

Using the TONE TATTOO is like having three separate effects pedals on your pedalboard but without the need for the additional cables or separate power supplies and all in the footprint of one medium sized pedal. The TONE TATTOO's footprint is 5.75" x 4.75".

WARNING: Your Tone Tattoo comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The Tone Tattoo requires 75mA at 9VDC with a center negative plug. The Tone Tattoo does not take batteries. Using the wrong adapter may damage your unit and void the warranty.

- CONTROLS, INDICATORS & I/O -

METAL MUFF SECTION

DRIVE Knob – Controls the amount of input gain. As the DRIVE knob is turned clockwise, the input gain of the Metal Muff increases and the sound gets more distorted: getting crunchier, thicker and increasing in saturation.

BASS Knob – Is an EQ control for the bass or low frequency response of the Metal Muff. At its full clockwise position, the BASS knob provides +18.5dB of boost at a center frequency of 105Hz. At its full counter-clockwise position, this knob provides -18.5dB of attenuation at the same center frequency of 105Hz. In the middle, center-detent position, the bass frequencies are not altered.

TREBLE Knob – Is an EQ control for the treble or high frequency response of the Metal Muff. At its full clockwise position, the TREBLE knob provides up to +20dB of upper frequency boost starting at 700Hz. At its full counter-clockwise position, this knob provides up to -20dB of upper frequency attenuation starting at the same 700Hz frequency. In the middle, center-detent position, the treble frequencies are not altered.

SCOOP Switch – Provides two settings of attenuation in the middle frequency range. The middle position of the SCOOP switch, labeled LO, provides a low/medium amount of scoop, attenuating by -7.5dB, centered at a frequency of 1.2kHz. The upper position of the SCOOP switch, labeled HI, provides for a bigger scoop with an increased mid frequency attenuation of -11dB centered at 1.2kHz. In the down position, labeled OFF, there is no mid frequency attenuation.

GATE Button – When pushed down, the GATE button enables the gate function of the METAL MUFF. When the GATE button is enabled, the METAL MUFF LED is green. In the up position, the GATE button disables the gate function and the METAL MUFF LED is RED.

Gate THRESHOLD Knob – Controls the input amplitude needed to open the GATE. As you turn the THRESHOLD knob clockwise, the amount of gating increases, requiring a louder signal to open the gate and allow your instrument to pass through. Turning the THRESHOLD knob down all the way is equivalent to disabling the GATE function.

Please see Page 4 for more information on how to use the gate function.

VOLUME Knob – Controls the overall output volume of the METAL MUFF section of the TONE TATTOO.

NEO CLONE SECTION

RATE Knob – Controls the Neo Clone's speed of modulation. As you turn the RATE knob clockwise, the modulation speed of the chorus gets faster. The speed of modulation varies from 0.4 Hz to 9 Hz.

DEPTH Button – Changes the intensity, or depth, of the chorus effect choosing between high and low depth. In the up position, the Neo Clone chorus is set to low depth, giving a subtle chorus effect. The Neo Clone LED lights up red in the lower depth position. When the button is pushed in, the chorus' depth is set to high for a more intense chorus effect. The Neo Clone LED lights up green when the button is pushed in.

MEMORY TOY SECTION

DELAY Knob – Controls the delay time of the Memory Toy section of the Tone Tattoo. As you turn the DELAY knob clockwise, the delay time increases. The range of delay time is 30mS to 550mS.

FEEDBACK Knob – Controls the number of echo repeats each note produces. As you turn FEEDBACK clockwise, the number of repeats increases. When you turn FEEDBACK all the way down, you will only hear one echo for each note you play. If you turn FEEDBACK up to its maximum clockwise position, the Memory Toy's echoes will build on top of each other for a "run-away" effect after you play a note. A fairly high feedback setting with short delay settings produces a reverb type of effect.

BLEND Knob – Allows you to vary the mix of the dry signal coming into the Memory Toy section with the delayed signal produced within the Memory Toy effect. BLEND varies from 100% dry, when set to full counter-clockwise, to 100% wet at full clockwise.

GAIN Knob – Controls the input gain into the Memory Toy. As you turn the GAIN knob clockwise the gain increases, making for a louder overall effect. The GAIN knob increases the volume of both the dry and delayed signal. Use the GAIN knob in conjunction with the BLEND knob to set the Memory Toy to your preferred volume. Please Note: the delay signal will saturate before the dry signal. The range of the GAIN knob is 0dB to +23dB.

FOOTSWITCHES & LEDs

Each effect section of the Tone Tattoo has its own independent footswitch to toggle the associated effect in and out of bypass. Bypass through the Tone Tattoo is **buffered bypass**.

METAL MUFF Footswitch and STATUS LED - The footswitch located nearest to the IN jack toggles the Metal Muff effect on or off. When the LED in the Metal Muff section is lit (either red or green), the Metal Muff effect is active. When the

Metal Muff LED is off, the Metal Muff section is bypassed. A red LED in the Metal Muff section indicates that the GATE function is off. A green LED in the Metal Muff section indicates that the GATE is enabled.

NEO CLONE Footswitch and STATUS LED - The footswitch located in the middle of the Tone Tattoo toggles the Neo Clone effect on or off. When the LED in the Neo Clone section is lit (either red or green), the Neo Clone effect is active. When the Neo Clone's LED is off, the Neo Clone section is bypassed. A red LED in the Neo Clone section indicates that the chorus is on its low depth setting. A green LED in the Neo Clone section indicates that the chorus is set to the high depth setting.

MEMORY TOY Footswitch and STATUS LED - The footswitch located nearest the OUT jack of the Tone Tattoo toggles the Memory Toy effect on or off. When the LED in the Memory Toy section is lit, the Memory Toy effect is active. When the Memory Toy's LED is off, the Memory Toy section is bypassed.

I/O & POWER JACKS

IN Jack – Connect the output of your instrument or other effects pedal to the ¼ inch IN jack. The impedance presented at the IN jack is 1 MΩ.

OUT Jack – Connect the output of the Tone Tattoo to the input of an amplifier or another effects pedal. The output impedance varies from 200 Ω to 2.5 kΩ depending on which effects are enabled and the setting of the BLEND knob in the Memory Toy.

9V PWR JACK – Connect the output plug of the supplied AC Adaptor into the 9V power jack at the top of the Tone Tattoo. The Tone Tattoo draws 75mA at 9VDC. The polarity of the power jack is center negative.

- MORE ON THE METAL MUFF'S GATE FUNCTION -

PURPOSE - The gate in the Metal Muff section has two main purposes: 1) to reduce the hum when the Metal Muff is set to higher DRIVE settings and 2) to make the echoes from the Memory Toy more distinct when using the Metal Muff and Memory Toy together.

HOW IT WORKS – The Metal Muff's gate mutes or un-mutes the output of the Metal Muff. When the gate is closed, the output of the Metal Muff is muted. When the gate is open, the output of the Metal Muff comes through at its full volume. The gate opens and closes based on the level of your instrument before it hits the Metal Muff's distortion circuitry. When the volume of the input signal goes above the threshold level set by the THRESHOLD knob, the gate opens allowing the Metal Muff to output its signal. When the volume of the instrument goes below the threshold, the gate closes to mute the Metal Muff output.

HOW TO SET IT – Activate the gate by pushing the GATE button, the Metal Muff's LED should turn green. Turn THRESHOLD down to full counter-clockwise, you should hear hum coming through the amp. Turn THRESHOLD clockwise until the hum is muted. You can leave it there for a light gate setting. For a more intense gate setting continue to increase THRESHOLD in the clockwise direction. It is important to know that when you use the gate, you will lose some sustain. The gate will chop off the end of your notes. The higher you set the THRESHOLD knob, the quicker it will chop off the end of your notes. Set the THRESHOLD level too low though, and the gate will remain open, never muting the output of the Metal Muff.

- 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 include a brief description of the problem as well as your name, address, telephone number, copy of your receipt, and a check or money order.

United States - \$12

Canada - \$15

Europe and outside countries - \$25

Ship to:

Electro-Harmonix
C/O New Sensor Corporation
55-01 2nd Street
Long Island City, NY, 11101
Attn: Service Department

Please make checks/money orders **payable to New Sensor Corporation**. To hear demos on all EHX pedals visit us on the web at www.ehx.com. Email us at info@ehx.com

- FCC 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.