



MICRO Q-TRON

Envelope Controlled Filter

Congratulations on your purchase of the Micro Q-Tron envelope controlled filter! The Micro Q-Tron is identical to our Mini Q-Tron but in a compact pedal. The envelope controlled filter is a unique type of sound modifier in which the user's playing style controls the effect. The volume of the input signal (also called the envelope) controls the cutoff frequency or center frequency of a swept filter. As your instrument's volume increases or decreases, so does the pitch of the filter.

-CONTROLS-

DRIVE CONTROL – This is the filter sweep sensitivity control. Turning the DRIVE control clockwise will cause the filter to react more to your playing. The more you turn up the DRIVE control, the higher in frequency the filter will jump when you play a note. When first plugging into the Micro Q-Tron, start with this control at 12 o'clock.

Q CONTROL – Determines the peak bandwidth of the filter. As the Q control is turned clockwise, the filter will sound increasingly narrow with a more obvious peak, making the effect more dramatic. Start with Q set to about 2 o'clock.

MODE ROTARY SWITCH (LP BP HP) – Determines what frequency range the filter will pass. Emphasizes lows in LP mode (Low Pass), midrange in BP mode (Band Pass) and highs in HP mode (High Pass).

STATUS LED – When the LED is lit, the Micro Q-Tron is in effect mode. When the LED is off, the Micro Q-Tron is True Bypass mode.

FOOTSWITCH – Toggles the Micro Q-Tron between effect and True Bypass modes.

CONNECTIONS – Connect your instrument to the INPUT Jack. Connect your amplifier to the AMP Jack.

-POWER-

POWER – Power, from the internal 9-volt battery or external battery eliminator, is activated by plugging into the Input jack. The input cable should be removed when the unit is not in use to avoid running down the battery. The barrel connector on the front of the Micro Q-Tron is for a 9-volt battery eliminator capable of delivering 100 mA of current. The inner ring of the 9-volt battery eliminator must be negative, the outer ring positive. The unit's battery may be left in or taken out when the eliminator is in use.

BATTERY – The Micro Q-Tron can run off of a 9V battery. To change the 9-volt battery, you must remove the 4 screws on the bottom of the Micro Q-Tron. 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 risk damaging a component.

-PLAYING THE MICRO Q-TRON-

The Micro Q-Tron's effect is controlled by the musician's playing dynamics: a stronger attack or louder note will yield a more dramatic effect, while softer playing will produce more subtle effects. Use the full range of control settings in combination with different playing techniques to obtain a number of different and unique effects combinations. You might find that the DRIVE and Q controls work best when they are in the middle of their range rather than maximized.

When you play a note into the Micro Q-Tron, its filter will jump up to a high frequency and then slowly descend in frequency according to the envelope of the notes you play. The louder your note, the higher in frequency the filter jumps.

- 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, and RA#; and a copy of your receipt clearly showing the purchase date.

United States & Canada

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This warranty gives a purchaser specific legal rights. A purchaser may have even greater rights depending upon the laws of the jurisdiction within which the product was purchased.

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.