

# electro-harmonix

## DELUXE ELECTRIC MISTRESS

### FLANGER/FILTER MATRIX

Congratulations on your purchase of the Deluxe Electric Mistress, a true stand out classic in the Electro-Harmonix line-up! Over the past four decades, guitarists spanning numerous genres have relied on the Deluxe Electric Mistress to broaden their guitar's sound pallet, making their guitar sound bigger, lusher and even a little ethereal.

You might notice that the Deluxe Electric Mistress that came with this manual is quite a bit smaller than every other Deluxe Electric Mistress ever made by Electro-Harmonix. The circuit remains true to its roots even though we've reduced its footprint to fit into a pedalboard friendly die-cast box. Power is now supplied by 9VDC, both from the included AC Adaptor or from a battery, but the voltage is boosted internally to the higher voltage normally preferred by the Deluxe Electric Mistress. True Bypass and LED indication have also been added.

**WARNING:** Your Deluxe Electric Mistress comes equipped with an Electro-Harmonix 9.6DC-200 power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The Deluxe Electric Mistress requires up to 40mA at 9VDC with a center negative plug. Using the wrong adaptor may damage your unit and void the warranty. The Deluxe Electric Mistress also accepts 9V batteries, we recommend alkaline.

**RATE Knob** – controls the speed of flanger modulation. As you turn RATE clockwise, the flanger's speed increases. Higher settings of RATE give the effect a sound like vibrato.

**RANGE Knob** – allows you to set the lower limit of the flanger sweep. A fully counter-clockwise setting, where the lower limit is just below the higher, creates a very narrow sweeping effect. As you turn RANGE clockwise the flanger sweeps down further into the bass region. A convincing rotating speaker effect may be obtained by setting RATE near maximum, RANGE near minimum, and COLOR approximately half-way.

**COLOR Knob** – sets the intensity of the flanger effect. As you turn COLOR clockwise the effect becomes more pronounced, producing that classic whoosh effect flangers are famous for.

The Deluxe Electric Mistress has been set at the factory for maximum color capacity. Turning COLOR to its most clockwise setting could cause self-oscillation to occur. This is normal! This oscillation may be reduced by turning the COLOR knob down slightly.

**FILTER MATRIX Switch** – when this switch is set to the right position, labeled FILTER MATRIX, the modulation waveform is disconnected from the flanger circuit, freezing the flanger and creating a matrix of filters. Turn the RANGE knob to change the filters' position and use COLOR to adjust the depth of filtering. The RATE knob has no affect when set to FILTER MATRIX mode. Proper manipulation of the RANGE and COLOR knobs will enable you to simulate the sound of chimes being played in unison with your instrument, as well as many other effects.

**FOOTSWITCH and LED** – The Footswitch toggles the Deluxe Electric Mistress between effect and True Bypass mode. When the effect is engaged, the LED is lit.

**INPUT Jack** – This ¼" jack is the audio input for the Deluxe Electric Mistress. The input impedance is 600kΩ.

**FLANGED OUT Jack** – This ¼" jack is the effect output for the Deluxe Electric Mistress. All flanging and modulation effects will emanate from this jack. The output impedance is 5.5kΩ.

**DRY OUT Jack** – This ¼" jack is connected directly to the INPUT jack giving you access to your input signal which you can send to another amp or chain of effects by passing the Deluxe Electric Mistress' flange effect.

**9V Power Jack** – Although the Deluxe Electric Mistress accepts 9V Batteries, EHX supplies your Deluxe Electric Mistress with an Electro-Harmonix 9.6DC-200 power supply. Plug the output of the supplied AC adaptor into the 9V power jack located at the top of the Deluxe Electric Mistress. The Deluxe Electric Mistress draws up to 40mA at 9VDC with a center negative plug. The Deluxe Electric Mistress accepts Boss® and Ibanez® style AC Adaptors. **Please do not exceed 10VDC at the 9V power jack.**

If you choose to operate the Deluxe Electric Mistress from battery power you must remove the 4 screws on the bottom of the Deluxe Electric Mistress. Once the screws are removed, you can take off the bottom plate and connect a 9V battery. Please do not touch the circuit board while the bottom plate is off or you risk damaging a component

## - 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](mailto: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**

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](mailto: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](mailto:electroharmonixuk@virginmedia.com)

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](http://www.ehx.com)**  
Email us at **[info@ehx.com](mailto: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.*