

# electro-harmonix

## Dual Expression

Congratulations on your purchase of the Electro-Harmonix Dual Expression pedal. The Dual Expression allows you to simultaneously control two expression ready devices with one pedal. Each output of the Dual Expression features its own set of controls: separate TRS polarity buttons expand each outputs compatibility with other products while the separate Reverse buttons and Range knobs allow the musician to dial in a unique expression sweep for each half of the Dual Expression.

### - CONTROLS, I/O JACKS -

**EXP 1/EXP 2 Jacks** – Plug 1/4" TRS cables into these jacks. The other end of the cables should be connected to expression inputs on the devices you want to control. The Dual Expression ships from the factory with two 1/4" TRS cables. Under most circumstances standard, TS, 1/4" instrument cables will **not** work. The cables must be TRS.

**REV Button** – Reverses the sweep direction of the expression pedal. The standard sweep direction is achieved when the REV button is set to its OUT position: as you move from heel to toe the expression pedal sweeps from minimum to maximum. Push the REV button to its IN position to reverse this behavior: sweep from maximum to minimum as you move from heel to toe.

**TRS +/- Button** – Reverses the polarity of the TRS jack for expanded compatibility with other devices. In the OUT position: the internal potentiometer's wiper is connected to the Tip of the TRS cable and the potentiometer's maximum setting is connected to the Ring. Press IN TRS +/- to connect the wiper to the Ring of the TRS cable and the maximum setting to the Tip. The Sleeve of the TRS cable is always connected to the potentiometer's minimum position. For **EHX pedals**, set this button to the **OUT** position. If you find the Dual Expression does not achieve a smooth sweep over the full range of the foot pedal, try changing the TRS +/- setting.

**RANGE Knob** – Adjusts the minimum setting of the expression pedal. As you turn RANGE towards 0, the minimum sweep setting moves towards the fixed maximum setting. For the full range, set this knob to 10.

**Included:** 2 x TRS Cables

**Internal Potentiometer Impedance:** 10k $\Omega$

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

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