

electro-harmonix

CNTL KNOB

Dual Static Expression Knobs

Congratulations on your purchase of the Electro-Harmonix Cntl Knob! The Cntl Knob is a compact, easy-to-use utility pedal providing remote, static knob control for devices with expression control jacks. With the Cntl Knob, the user can set two preset values, representing two positions of a traditional expression pedal. Use the Cntl Knob's onboard footswitch to toggle between the two knob settings.

It works great with any device featuring an expression pedal input, including the Electro-Harmonix Grand Canyon[®] Delay and Looper, Oceans 12[™] Dual Stereo Reverb, Superego+[™] Synth Engine, Super Pulsar[™] Tremolo and many other pedals and devices made by Electro-Harmonix and other manufacturers.

-USING THE CNTL KNOB-

Connect the supplied Tip-Ring-Sleeve (TRS) cable to the Cntl Knob's jack and to the expression jack on the device you want to control. We recommend the device be powered down while making the connection. Connect an optional 9VDC, center-negative power supply to the 9V power jack at the top of the Cntl Knob for LED indication. 9V power only lights the Cntl Knob's LEDs. Power is not required to use the expression knobs.

The Cntl Knob has 2 Expression knobs, 1 footswitch and one pushbutton for TRS polarity. They work as follows:

EXP 1 Knob – The position of this knob determines the first expression setting. The fully counter-clockwise position corresponds to the heel position on a standard expression pedal while the fully clockwise position corresponds to the toe position.

- The EXP 1 knob setting is active on the EXP OUT jack when the LED located below the EXP 1 knob is lit.

EXP 2 Knob – The position of this knob determines the second expression setting. The fully counter-clockwise position corresponds to the heel position on a standard expression pedal while the fully clockwise position corresponds to the toe position.

- The EXP 2 knob setting is active on the EXP OUT jack when the LED located below the EXP 2 knob is lit.

EXP OUT Jack – This jack outputs the expression value set by the currently active knob. A TRS (tip-ring-sleeve) cable is required for this jack. Please do not connect a TS (tip-sleeve) cable to the EXP OUT jack; it will not work and may cause damage to your equipment.

TRS +/- Button – When this button is in the inward position, the polarity of the EXP OUT jack is Ring-to-Wiper. When this button is in the outward position, the polarity of EXP OUT is Tip-to-Wiper.

- This button must be set to comply with the expression polarity of the device that is being controlled. Please check the user manual of the device for the required expression polarity.
- For all EHX products, such as the Deluxe Big Muff Pi®, Deluxe Memory Boy™ Analog Delay and Pitchfork® Pitch Shifter, this toggle should be in the outward position (Tip-to-Wiper polarity).

Footswitch & LEDs – A press on the footswitch toggles the active expression setting on EXP OUT between EXP 1 and EXP 2. If power is applied, the LEDs below each knob light to indicate the currently active knob.

9V Power Jack – An optional 9VDC, center-negative power supply can be inserted to provide power to the LEDs at this jack. The current draw is 5mA. The maximum acceptable DC voltage for this power supply is 18VDC. The Cntl Knob does not take batteries.

Please note: the exact function of the Cntl Knob expression setting depends on the device to which it is connected. Please refer to the device's user manual for more information on the functions assigned to the expression input.

- 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.

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