

electro-harmonix

EHX PERCOLATOR

Welcome to the Electro Harmonix EHX Percolator, a unique take on distortion and fuzz that emphasizes even-order harmonics to enhance your tone. Use the Harmonics knob to brighten and distort your instrument for a rich and clean distortion. Sculpt the sound further with the Bias knob to create octave-like fuzz tones or intense gated fuzz effects. The Drive/Fuzz switch engages the clipping diodes to further enhance the fuzz tone. Equally potent on both guitar and bass, the EHX Percolator is a must have for tone and fuzz enthusiasts.

Operating Instructions

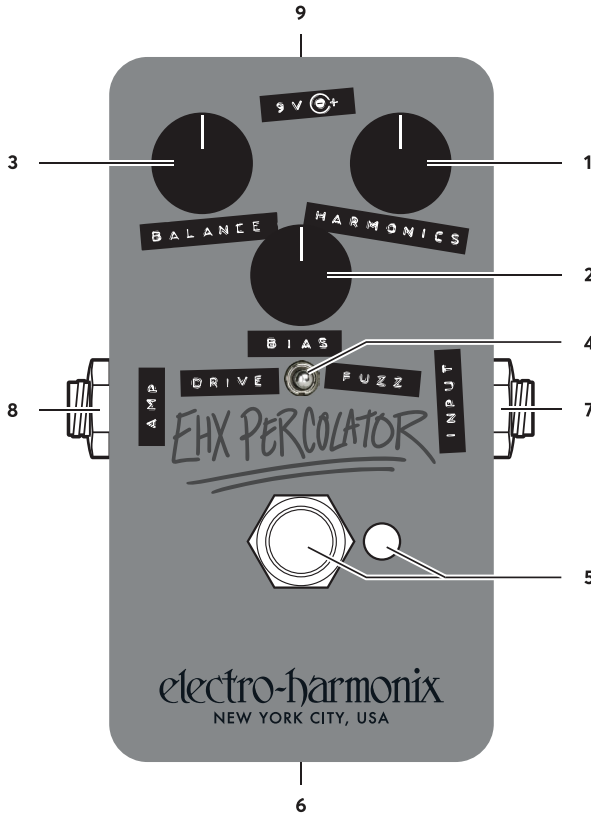
Connect your instrument to the Input jack of the EHX Percolator and the Amp jack to your amp's input. Set the knobs to 50% and the toggle switch to the Fuzz position. Power EHX Percolator with a 9V battery or external 9VDC power supply. Press the footswitch to ensure the LED is lit. Your EHX Percolator is now ready to play.

POWER REQUIREMENTS:

Voltage: **9VDC** Current: **10mA** Polarity: **Center-Negative** Battery: **9V**

This device may be powered by an Electro-Harmonix 9.6DC-200, MOP-D10, or S8 power supply. It may also be powered with a 9V battery. Use of the wrong adapter or a plug with the wrong polarity may damage the device and void the warranty. Do not exceed 12VDC on the power plug. Power supplies rated for less than 50mA can cause the device to act unreliably.

Controls and Connections



- 1. HARMONICS Knob** Controls the gain at the input. As you turn this knob clockwise, the signal will get more saturated and distorted.
- 2. BIAS Knob** Controls the input bias of the gain circuit. At low settings it produces smooth overdrives and distortions. As you turn this knob clockwise, the effect produces pseudo-octave fuzz sounds followed by gated fuzz sounds at its highest settings.
- 3. BALANCE Knob** Sets the output level of the distortion effect. As you turn this knob clockwise, the effect gets louder.
- 4. DRIVE/FUZZ Toggle Switch** This 2-position switch chooses between two distinctly different sounds. In FUZZ mode, the clipping diodes are engaged for a heavy fuzz sound. In DRIVE mode, the clipping diodes are disengaged and the pedal acts more like a transistor overdrive and distortion.
- 5. FOOTSWITCH and STATUS LED** The soft footswitch engages or bypasses the effect. The status LED lights when the effect is engaged. The LED is off in bypass. The EHX Percolator employs True Bypass with a mechanical relay. The footswitch includes a momentary action: pressing and holding the footswitch for more than half a second returns the Percolator to the previous state upon release. The momentary footswitch action may be disabled, see the section *Footswitch Latching and Momentary Action*.

6. **Internal Trim Pot** The EHX Percolator includes an internal trim pot, which adjusts the overall gain of the effect and the range of the pseudo-octave. For a more pronounced sub-octave effect, adjust the trim pot counterclockwise. The factory setting for the trim pot is set to noon. Set the trim pot fully clockwise for a sound most like a vintage Percolator.

7. **INPUT Jack** Audio Input Jack. Input impedance: 70KΩ.

8. **AMP Jack** Audio Output Jack. Source Impedance varies with BALANCE knob: 0 – 12.5KΩ.

9. **9VDC Power Jack** An optional 9VDC, center-negative pedal power supply can be connected to the power jack to provide power without a battery. The EHX Percolator requires 10mA at 9VDC on a center-negative plug. Do not exceed 12VDC at the power jack.

When using a 9V battery, plugging into the INPUT jack activates power. The input cable should be removed when the unit is not in use to avoid running down the battery.

To change the 9-volt battery, you must remove the 4 screws on the bottom of the EHX Percolator. 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.

Footswitch Latching and Momentary Action

The soft footswitch works both like a standard latching footswitch and a momentary footswitch. The latching action means each press and release of the footswitch will toggle between bypass and effect modes. A momentary change between bypass and effect occurs when you press and hold the footswitch. The EHX Percolator changes state immediately upon pressing the footswitch. If you continue to hold the footswitch—for more than half a second—it will return to the previous state when you release the footswitch.

Momentary hold action can be disabled completely by performing the following procedure:

1. Power down the EHX Percolator.
2. Press and hold the footswitch.
3. While holding down the footswitch, apply power to the EHX Percolator.
4. Continue to hold down the footswitch. After about 2 seconds, the LED blinks. A slow blink means momentary footswitch holds are disabled. A fast blink means momentary footswitch holds are enabled.
5. Release the footswitch.

The momentary footswitch hold setting is remembered through power-cycles so you can set it and forget it.

Notes and Specifications

Audio impedance at the INPUT jack: 70KΩ

Audio impedance at the OUTPUT jack: 0 – 12.5KΩ

Current draw: 10mA at 9VDC

Power Supply: 9VDC, Center-negative polarity or 9V Battery

True bypass switching