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.

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UNITED KINGDOM
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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](http://www.ehx.com)

Email us at [info@ehx.com](mailto:info@ehx.com)

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**ENIGMA: Q BALLS FOR BASS**

Congratulations on your purchase of the Enigma: Q-Balls envelope controlled filter for bass! This is a very powerful tool for musical expression that opens a new horizon of sonic potential for your bass. Please take a few minutes to familiarize yourself with the Enigma’s controls and how they work.

Envelope controlled filters are a unique type of sound modifier where the intensity of the effect is controlled by the user’s playing dynamics. The volume and dynamic of the incoming audio signal is used to control a swept filter. As the volume increases or decreases so does the frequency of the filter.

With 3 selectable filter modes, along with START, STOP, ATTACK, DECAY, Q and SENSITIVITY controls, all of the classic Q sounds are available to the user. Also, many new sounds and vivid textures can be achieved like never before. A new analog distortion circuit was created specifically for the ENIGMA, and adds a dynamic edge to the filters sound. With the addition of an expression pedal input (expression pedal not included), the ENIGMA provides manual control of the filter sweep.

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**POWER**

**WARNING:** Use only the [US96DC-200Bl AC Adapter](#) that the ENIGMA comes supplied with. Do not use any other AC Adapters. Using other AC adapters, even those made by Electro-Harmonix, could cause harm to the unit, the adapter or you. The ENIGMA does not use batteries.

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**CONTROLS**

**BLEND** – Controls the output mix of the dry and effected signal. Fully CCW is 100% dry with no effect added. Fully CW is 100% wet with no remaining dry signal.
DISTORTION FOOTSWITCH/STATUS LED – This footswitch engages the analog distortion circuitry in the ENIGMA. When distortion is engaged, the LED will turn on, and when distortion is disengaged the LED will turn off. The intensity of the distortion is controlled by the “SENSITIVITY” knob. Inside the pedal there is a Trim Pot labeled “DISTORTION LEVEL”. This can be adjusted by the user to fine tune the volume of the distortion when engaged. This will not affect the gain or intensity of the distortion. **DO NOT** adjust any other trim pot on the board as they have been carefully calibrated for optimum performance.

EXPRESSION PEDAL INPUT – An optional expression pedal can be used with the ENIGMA for manual control of the filter. When the pedal is in toe up position, the frequency will be at the “START” position. In the toe down position, the frequency will be at the “STOP” position. Use this along with various “Q” knob setting to get resonant filter sweeps as well as wah-wah sounds with a versatile range.

BYPASS FOOTSWITCH/STATUS LED – The footswitch engages/disengages the effect. If the effect is engaged, the LED will light up. When the effect is disengaged, the LED will turn off, and the pedal will be in true bypass.

INPUT Jack – Connect your instrument’s output to this ¼” mono jack. The input impedance presented at this jack is 710Kohms.

EFFECT OUT Jack – Connect this ¼” mono jack to your amplifier’s input. The output impedance presented at this jack is 300ohms.

DIRECT OUT Jack – This is a direct out signal from the input. This signal does not go through any of the effects circuitry.

CAUTION: This pedal was designed to give the user the maximum potential for user customizability and there are some setting combinations that are extreme. If the lowest frequency sweeps in the ENIGMA can be difficult to hear. If this causes the attack to sound abrupt, tune the start position so the sweep begins at a more audible frequency. All of the functions depend heavily on how the Sensitivity. Take some time to become familiar with these knobs and functions and learn how they work together to effect different styles of playing.

A NOTE ON INTERACTIVE CONTROLS:
The “ATTACK”, “DECAY”, “START”, “STOP” and “SENSITIVITY” knob are highly interactive. If Attack is set to slow, the Decay is set to fast, or the Sensitivity is set to low, the filter sweep may not reach the stop frequency. The lowest frequency sweeps in the ENIGMA can be difficult to hear. If this causes the attack to sound abrupt, tune the start position so the sweep begins at a more audible frequency. All of the functions depend heavily on how the Sensitivity. Take some time to become familiar with these knobs and functions and learn how they work together to effect different styles of playing.