electro-harmonix

HOT WAX

Dual Overdrive

Congratulations on your purchase of the Electro-Harmonix Hot Wax. The Hot Wax is a unique dual overdrive pedal that combines the distortion sections used by two EHX classics: the **Crayon** and the **Hot Tubes**. Each section can be engaged independently, for two very different overdrive flavors, or together to create a massive overdriven sound. The Hot Wax is a flexible and great-sounding distortion unit useful for guitar, bass, keyboards, and many other musical instruments.

The Hot Wax includes a two-knob EQ (**BASS** and **TREBLE**) for extensive tonal control, and a **BLEND** control to mix between your dry and distorted sound. These three controls are active with either or both distortion sections engaged, and bypassed when both overdrive section are turned off. The Hot Wax features buffered bypass and is powered by a standard 9V power jack.

WARNING: Your Hot Wax comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The Hot Wax requires **75mA** at 9VDC with a center negative plug. Use of the wrong adapter or a plug with the wrong polarity may damage your Hot Wax and void the warranty.

- USING THE HOT WAX-

Plug the included power adapter into the 9V jack. The pedal must be powered to pass a signal through, regardless of whether or not distortion is engaged. Step on the **CRAYON** footswitch to engage the Crayon section. The green LED lights to indicate that the Crayon is on. Click the **HOT TUBES** footswitch to turn on the Hot Tubes section, as indicated by the red LED.

The **BASS** & **TREBLE** EQ and **BLEND** controls are active when either one or both sections are in use. When only one section is active, adjust that section's **VOL** (volume) knob to set the master volume. When both sections are active:

- The Crayon comes first in the signal path.
- The Crayon's VOL knob sets the level driving the Hot Tubes section.
- The EQ affects the signal *after* the Hot Tubes' distortion section.
- The BLEND knob combines the clean signal with the post-EQ signal.
- The Hot Tubes' VOL knob functions as the master volume.

- CONTROLS and I/O JACKS -

Footswitches and LEDs
The right LED (green) illuminates when the Crayon section is engaged via the footswitch. The left (red) LED lights when using the Hot Tubes section.

VOL Knob (Crayon)
If only the Crayon is active, the **VOL** knob sets master output level. If both sections are active, the VOL knob sets the level between the Crayon's drive section and the Hot Tubes' drive section.

VOL Knob (Hot Tubes)
Use the Hot Tubes **VOL** knob to set the master output level.

DRIVE Knobs
Turn the appropriate **DRIVE** knob to set the distortion intensity.

BASS and TREBLE Equalization Knobs
Adjust the **BASS** knob to boost or cut low frequencies. Adjust the **TREBLE** knob to boost or cut high frequencies. The frequency response for either knob is flat (no boost or cut) when the knob is set halfway up.

BLEND Knob
The **BLEND** knob mixes the dry and distorted signal. With BLEND set to minimum (fully counterclockwise), you will only hear the dry signal. When BLEND is turned fully clockwise, you will only hear the distorted signal. All other settings will yield varying mixtures of dry and distorted sounds.

Turning BLEND down to add dry signal can add more punch and clarity, along with more emphasis on pick attack. This functionality may be of particular importance to bassists, as full-on distortion can reduce punch and muddy up low end frequencies.

INPUT Jack
Plug your instrument or the output of another effects pedal into the ¼" **INPUT** jack. The input impedance is 2.2MΩ.

OUTPUT Jack
Use the ¼" **OUTPUT** jack to send the signal to an amp or another effects pedal. The signal will be dry or effected based on the bypass status. The output impedance is 220Ω.

- POWER -

Plug the output of the included EHX 9.6DC-200 adapter into the 9V power jack of the Hot Wax. The Hot Wax draws **75mA** at 9VDC with a **center negative plug**. The Hot Wax accepts Boss® and Ibanez® style AC Adapters capable of delivering at least 200mA.

The Hot Wax does not accept batteries, and only works with an external 9V power supply. Do not open the unit as there are no user serviceable parts.

- NOTES AND SPECIFICATIONS –

- The Hot Wax utilizes a high quality buffered bypass.
- Input Impedance: 2.2M Ω
- Nominal Output Impedance: 220Ω
- Current Draw: 75mA

- WARRANTY INFORMATION -

Please register your pedal 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.

United States & Canada
EHX CUSTOMER SERVICE
ELECTRO-HARMONIX
c/o NEW SENSOR CORP.
55-01 2ND STREET
LONG ISLAND CITY, NY 11101

Tel: 718-937-8300
Email: 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

- FCC COMPLIANCE -

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. If the device is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications and void the user's authority to guarantee the equipment.

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.

To hear demos on all EHX pedals visit us on the web at **www.ehx.com**

Email us at **info@ehx.com**