

# electro-harmonix



## HOLY GRAIL MAX

### Reverb Pedal

Congratulations on your purchase of the Holy Grail Max, an easy to use, stellar sounding reverb pedal from Electro-Harmonix. The HG Max delivers four types of studio quality reverb: SPRING, HALL, PLATE and REVERSE all designed for the discerning guitarist but also great with other instruments on stage or in the studio. Included is a newly designed analog wet/dry control which provides a constant volume curve as you turn the BLEND knob from fully dry to fully wet while also keeping your dry signal analog through the pedal.

**WARNING:** Your Holy Grail Max comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®; 9.6 Volts DC 200mA). The Holy Grail Max requires 80mA at 9VDC with a center negative plug. Using the wrong adapter or a plug with the wrong polarity may damage your Holy Grail Max and void the warranty.

### - REVERB DESCRIPTIONS -

**SPRING** – Spring Reverb is a simulation of the spring reverb found in many classic guitar amps. In SPRING mode, the TIME knob controls both the size of the springs and the overall decay time. As you turn the TIME knob clockwise, the spring reverb gets bigger and longer.

**HALL** – is a simulation of the reverberations heard in large spaces such as a concert hall or cathedral. In HALL mode, the TIME knob controls the decay time of the reverb. As you turn TIME clockwise, the reverb time increases creating a larger reverberant space. Using the TIME control you can obtain reverb spaces ranging from a room to a large hall.

**PLATE** – is an emulation of a metal plate reverb commonly found in high end recording studios during the 1960's and 70's. The Plate reverb is a very smooth, tonally balanced sounding reverb that sounds great on many different instruments, especially vocals. Turn the TIME knob clockwise to increase the decay time of the PLATE reverb. When TIME is maxed, the PLATE reverb creates a very long reverb decay; holding each note for over 30 seconds.

**REVERSE** – Reverse Reverb is an emulation of the reverse reverb trick commonly performed in studios, where a note's reverb fades-in, in reverse of course, before the note is actually struck. The HG Max works in real time and

cannot create backwards reverb for a note before it is actually played so the REVERSE reverb in the HG Max will create reverse reverb after the note is sounded. The length of time between playing a note and hearing the reverse reverb completely fade-in is set by the TIME knob. The further you turn TIME clockwise, the longer the note will take to fade-in. For short TIME settings, the REVERSE mode can sound like a slap-back echo.

## - CONTROLS -

**REVERB Switch Knob** – Chooses the reverb mode. From left to right, the modes are SPRING, HALL, PLATE and REVERSE.

**TIME Knob** – Adjusts the decay time, or reverb length/size, for the SPRING, HALL and PLATE reverbs. In REVERSE mode, the TIME knob sets the length of time between striking a note and the reverb fade-in. While in PLATE mode, when TIME is set to its maximum position, the reverb decay is over 30 seconds creating a lush reverb wash with each new note.

**BLEND Knob** – Controls the wet/dry mix from 100% Dry (counter-clockwise position) to 100% Wet (clockwise position). As the BLEND knob is turned, the overall output volume remains nearly constant. Your Dry signal remains analog from input to output through the HG Max.

**FOOTSWITCH and LED** – The Footswitch selects whether the HG Max is engaged or in True Bypass mode. When the effect is engaged, the LED is lit.

**INPUT Jack** – This ¼" jack is the audio input for the HG Max. The input impedance is 1MΩ.

**AMP Jack** – This ¼" jack is the audio output from the HG Max. The output impedance is 550Ω.

**9V Power Jack** – Plug the output of the AC Adapter supplied with the Holy Grail Max into this jack located at the top of the enclosure. The HG Max draws 80mA at 9VDC with a center negative plug and accepts Boss® and Ibanez® style AC Adapters. Please do not allow the power supply voltage to exceed 10VDC. The Holy Grail Max does not take batteries.

## - 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 include a brief description of the problem as well as your name, address, telephone number, copy of your receipt, and a check or money order.

**United States - \$12**

**Canada - \$15**

**Europe and outside countries - \$25**

**Ship to:**

Electro-Harmonix

C/O New Sensor Corporation

55-01 2nd Street

Long Island City, NY, 11101

**Attn:** Service Department

Please make checks/money orders **payable to New Sensor Corporation**.

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)**

## - 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.*