

electro-harmonix

TURNIP GREENS

Soul Food Overdrive + Holy Grail Max Reverb

Congratulations on your purchase of the Turnip Greens, a combination of our transparent Soul Food overdrive and lush Holy Grail Max reverb. Beyond just combining these two great effects into one box, we added some bells and whistles to help inspire you to create new sonic landscapes.

The Soul Food delivers a wide range of sounds from sweet clean boosts for added volume, to just a touch of dirt for livening up your sound, to full-on overdrive. Soul Food has plenty of volume on tap to push your amplifier into saturation, delivering distortion that is actually created by your amp! It can also do wonders when placed in front of other dirt pedals, pushing them into new worlds of distortion. Whatever your style or rig, the Soul Food gives your tone a lift in all the right places without compromising it.

The Holy Grail 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 Turnip Greens comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The Turnip Greens requires 125mA at 9VDC with a center negative plug. Using the wrong adapter may damage your unit and void the warranty.

SOUL FOOD CONTROLS

DRIVE Knob – Controls the amount of input gain. As you turn DRIVE clockwise, the overdrive ranges from clean boost, in the fully counter-clockwise position, to classic distortion, in the fully clockwise setting. There are many great sounds found within the full range of the DRIVE knob, we recommend experimenting with different positions in both halves of the DRIVE knob to find just the right amount of grit for your needs. In addition, turning DRIVE clockwise will bring out more mids in your tone.

TREBLE Knob – Acts as a tone control. When set to 12 o'clock (50%), the tone is neutral. As you turn TREBLE clockwise from the 12 o'clock setting, the treble gain increases making your overall sound brighter. As you turn TREBLE counter-clockwise from the 12 o'clock setting, the high end is reduced giving you a bassier sound.

VOL Knob – Sets the output level of the Soul Food section of the Turnip Greens. As VOL is turned clockwise, the output volume increases.

OVERDRIVE Footswitch and LED – The OVERDRIVE footswitch selects whether the Soul Food section is engaged or in bypass mode. When the Soul Food is engaged, its

corresponding LED is lit. An internal Bypass Mode switch is included to select between True Bypass and Buffered Bypass. See below for more information on the internal switch.

HOLY GRAIL MAX CONTROLS

REVERB Switch Knob – This rotary switch chooses the reverb mode. Clockwise, 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 Holy Grail Max section of the Turnip Greens.

REVERB Footswitch and LED – The REVERB footswitch selects whether the Holy Grail Max is engaged or in True Bypass mode. When the effect is engaged, its corresponding LED is lit.

EFFECT ORDER Switch – This toggle switch, located in the middle of the Turnip Greens, selects which effect is first in the signal chain. With the switch to the right, the signal chain is OD → Reverb, which produces a sound most players are used to – their boosted tone with some added reverb. With the switch to the left, the signal chain is Reverb → OD, which produces a slightly different and interesting sound. Now the reverb is being boosted by the overdrive which, when used in conjunction with pedals in the effects loop, can create some very lush textures.

INPUT Jack – This ¼" jack is the audio input for the Turnip Greens. The input impedance is 1MΩ.

OUTPUT Jack – This ¼" jack is the audio output from the Turnip Greens. The output impedance ranges from 500Ω to 3.3kΩ.

SEND Jack – This ¼" jack can be used to put effects in the signal path between the Soul Food and Holy Grail Max to expand its sonic capabilities. This output can also be used to split your signal to a separate effects chain or amplifier input.

RETURN Jack – This ¼" jack must be used in conjunction with the SEND jack. Connect this jack to the output of the effect(s) in the loop.

Internal Bypass Mode Switch – If you remove the Turnip Greens' bottom cover, you will see a small switch on the board that holds the footswitch for the Soul Food. It is located in the bottom-left area of the pedal, below the INPUT jack. Above the switch is the label TRUE BYPASS and below the switch is the label BUFFERED.

When the switch is set to TRUE BYPASS, its upper position, bypass for the Soul Food section will be True Bypass. When the switch is set to BUFFERED, its lower position, bypass will be the Soul Food's Buffered Bypass. The switch is normally set to BUFFERED in the factory.

In True Bypass mode, when the Turnip Greens is set to bypass, the INPUT jack is connected directly to the AMP jack and nothing else. In Buffered Bypass mode, the bypass

signal passes through a high quality buffer circuit before it is output from the OUTPUT jack. The buffer circuit requires power to hear your instrument in bypass mode.

9V Power Jack – Plug the output of the supplied AC adapter into the 9V power jack located at the top of the Turnip Greens. The Turnip Greens draws 125mA at 9VDC with a center negative plug. The Turnip Greens accepts Boss® and Ibanez® style AC Adapters.

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 1960s and '70s. 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.

REMOVING BOTTOM COVER

To flip the internal Bypass Mode switch, you must remove the 4 screws on the bottom of the Turnip Greens. Once the screws are removed, you can take off the bottom plate and adjust the switch. Please do not touch the circuit board while the bottom plate is off or you risk damaging a component.

- 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, and RA#; and a copy of your receipt clearly showing the purchase date.

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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
Email us at info@ehx.com

FCC COMPLIANCE

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.