



HAMSTEAD
SOUNDWORKS

ODYSSEY

Thank you for purchasing this Hamstead Soundworks **ODYSSEY.**

With interactive controls for unbelievable versatility, Odyssey can take you on a journey from clean boost with tone shaping, to classic rock, through to heavy metal, and all the way to oversaturated fuzz. The sweet spot is wherever you want it to be - whether you simply want to find your sonic nirvana, or embark on an epic adventure of discovery.

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PETER HAMSTEAD

QUICK START CONTROLS

TONE

Controls the level of high frequencies in the Drive Circuit.

GAIN

Controls the level of gain in the Drive Circuit.

THE DRIVE CIRCUIT



LEVEL

Controls the output level of Odyssey. Be careful as there is potentially 32dB of gain available, so start with the level low and increase to the desired volume.

BASS

Half of the EQ Circuit. Adds or cuts 18db of bass frequencies.

TREBLE

The other half of the EQ Circuit. Adds or cuts 18db of treble frequencies.

The indents mark the centre point, with flat EQ response.

THE EQ CIRCUIT

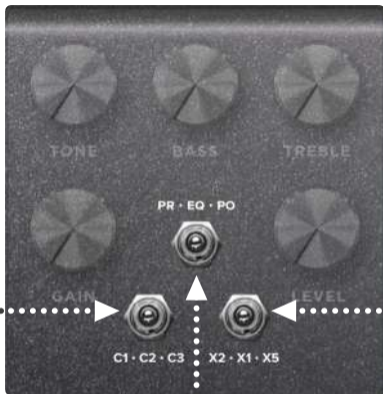
C1 • C2 • C3

Selects between the three clipping modes in Odyssey.

C1 position gives symmetrical clipping for consistent, classic pedal drive tones.

C2 position is asymmetrical clipping affecting only half the signal. This can create transparent low gain drive, add clarity and defined pick attack to heavy drive sounds, or even create splatty fuzz tones.

C3 position uses two clipping circuits to give very natural amp-like drive and distortion, with incredible dynamic range and touch response.



X2 • X1 • X5

Selects the input gain level.

X2 doubles the input level for subtle level and gain boost.

X1 keeps the input level the same without boosting.

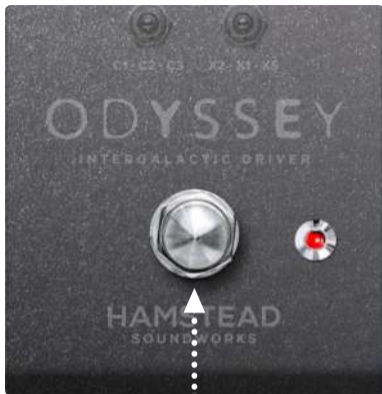
X5 boosts the original input level by five times for massive headroom in Clean Boost mode, or lots of saturation in the Drive Circuit.

PR • EQ • PO

PR places the EQ Circuit **Pre** (before) the Drive Circuit for amp like & saturated drive.

EQ puts Odyssey in **Clean Boost** mode, bypassing Tone, Gain, & C1-C2-C3 controls.

PO places the EQ Circuit **Post** (after) the Drive Circuit for studio style EQ control.



OPTOKICK

Designed by our friends at TheGigRig, this foot-switch uses light to silently and reliably turn Odyssey on and off.

INPUTS

Power Requirement: 9V DC **ONLY**, 55mA (Centre Negative) +

IN: Mono instrument input.

OUT: Mono signal output.

SPECIFICATION

All-analogue design.

Dimensions: 68 x 120 x 65 mm (Excludes. Feet)

Weight: 465g

Input Impedance: 600K Ohm

Output Impedance: > 300 Ohm

Internal dip-switch selects Power Up mode:

Set switch 1 to ON & 2 to OFF to power up with effect engaged.

Set switch 1 to OFF & 2 to ON to power up with effect in bypass.

EXAMPLE SETTINGS

These example settings are designed to show you the wide variety of sounds achievable with Odyssey.

The settings have been tested with a wide range of guitar and amp combinations, however you may need to make some slight adjustments to suit your particular set-up.

We recommend that you use each setting as a starting point, and then tweak the controls to explore further.



FAT SINGLE COIL

Fatten up the sound of your single coils with this clean boost setting.



LIMIT-COMP BOOST

Slam the front end of the pedal for tight dynamic range, funky cleans, chicken picking, or smooth jazz chords.



TS STYLE DRIVE

Get the classic Texas blues sound with this mid-boosted overdrive.



TRANSPARENT LOW GAIN

Light breakup with full dynamic range, whilst keeping the original tone of your guitar & amp.



MEDIUM GAIN ROCK

Classic rock drive. Wind up the gain for even more rock!



SCOOPED METAL

Heavy gain, aggressive highs, and scooped mids for full-on modern metal tones.



SATURATED FUZZ

Slam the input level, and crank the gain & EQ for crazy saturated, splatty fuzz tones.



EXPERIMENT START POINT

Use this setting with the experiments found on the following pages to explore the depths of Odyssey.

EQ CIRCUIT

The **EQ** circuit in Odyssey provides 18db of cut and boost over the **TREBLE** and **BASS** frequencies. The **EQ** parameters have been set to give anything from subtle to pronounced boost and cut, so explore the extremes of the controls to see what it can do.

EXPERIMENTS

1.
 - Set pedal to **Experiment Start Point**.
 - Turn both **TREBLE** and **BASS** controls fully clock wise (to the right).
 - Select **PO** and **C1**.
 - Slowly increase **LEVEL** to the desired volume and experience mid-scooped gain.
 - Try different combinations of **PR/PO** and **C1•C2•C3** and different **GAIN** levels.
2.
 - Set pedal to **Experiment Start Point**.
 - Turn both **TREBLE** and **BASS** controls fully anti clock wise (to the left).
 - Select **PR** and **C1**.
 - Slowly increase **LEVEL** to the desired volume and experience mid-boosted gain.
 - Try different combinations of **PR/PO** and **C1•C2•C3** and different **GAIN** levels.

LEVEL

This controls the output level of Odyssey, but be careful as it has 32dB of volume boost available from the original signal. When engaging the effect, start with the level control low and increase to the desired level.

EXPERIMENT

- Set pedal controls to the **Experiment Start Point**.
- Select **PO** on the EQ switch, clipping mode **C2**, and boost to **X5**.
- Set your amp to a low volume level. Finally *very* slowly increase the **LEVEL** control to see how much volume Odyssey has on tap.

PR • EQ • PO SWITCH

1. **EQ** selects the EQ Circuit, bypassing **TONE**, **GAIN** and **C1•C2•C3** controls. Use this setting for clean boost, guitar/amp tone sculpting, and clean gain to push your amp into overdrive.
2. **PR** engages the **GAIN**, **TONE** and **C1•C2•C3** controls, and places the EQ Circuit **Pre** (before) the Drive Circuit. Any boost or cut with the **TREBLE** and **BASS** controls will increase or decrease the gain in those frequencies going into the Drive Circuit. This adds or cuts gain and saturation, potentially slamming 18dB of gain into it for saturated fuzz tones, or cutting bass and treble for mid-boosted TS style drive.
3. **PO** engages the **GAIN**, **TONE** and **C1•C2•C3** controls, and places the EQ circuit **Post** (after) the Drive Circuit. Post sculpts the drive sound like a studio EQ and does not affect the gain of the drive circuit.

TONE

The **TONE** control is a LP filter (high frequency cut) in the Drive Circuit. Although both the **TONE** circuit and **TREBLE** control affect the high frequencies, they operate in different ways. This means that they can be used very effectively together.

EXPERIMENT

- Set pedal to the **Experiment Start Point**.
- Select **PO** and **C3**.
- Turn the **TONE** control to 9 o'clock (to the left) and the **TREBLE** control to 3 o'clock (to the right).
- Increase the **LEVEL** to the desired volume.
- Experience crisp highs with your drive!
- Then reverse the **TONE** and **TREBLE**, with tone at 3 o'clock and treble at 9 o'clock.
- Experience smooth highs with your drive!

GAIN

There are a lot of drive options available in Odyssey, and this controls the amount of gain in the Drive Circuit. The drive character varies with the different clipping (**C1•C2•C3**) modes, **PR** or **PO** mode, and saturation from the input gain **X2•X1•X5** switch.

EXPERIMENT

- Choose a drive setting from the **Example Settings**.
- Try different settings on the **GAIN** control, exploring minimum to maximum.

WARRANTY & SUPPORT

Hamstead Soundworks warrants the product to be free from defects in material and workmanship for a period of one (1) year. If the product fails within the warranty period, Hamstead Soundworks will repair or, at our discretion, replace the product at no cost to the original purchaser. The terms under this warranty do not affect your statutory rights and shall be governed by and construed in accordance with English Law.

This warranty covers defects in manufacturing discovered whilst using this product as recommended by Hamstead Soundworks. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorised modification, improper storage, lightning or natural disasters.

The warranty is activated on the date of purchase. If your product was not registered at the time of purchase you may register through our website at: hamsteadsoundworks.com/support. Please register your product within 30 days of purchase. This warranty is non-transferable.

For full details and conditions please visit:
hamsteadsoundworks.com/warranty

For troubleshooting guides and technical support, please visit:
hamsteadsoundworks.com/support

This device has been tested and complies with the EMC Directive:

EN55103-1:2009 Environments E1, E2 & E3.

COMPLIANCE DECLARATION

This equipment has been tested and complies with the limits for a Class B 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 aerial.
- 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.



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