Thank you for purchasing this Hamstead Soundworks Sɪɢɴᴀᴛᴜʀᴇ

Tremolo is one of the earliest effects to be applied to the electric guitar, and its timeless quality has ensured its popularity across many genres throughout the years. Signature Analogue Tremolo is our take on this classic effect, created with the refined analogue engineering that Hamstead Soundworks is known for.
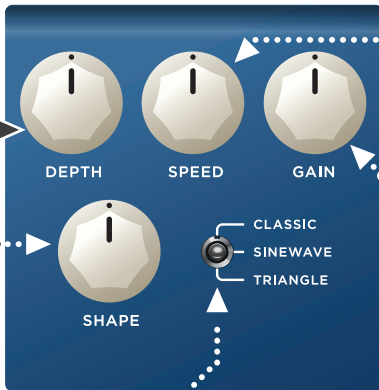
PETER HAMSTEAD

Controls

DEPTH

Controls the depth of modulation from 0 to 100%.

SHAPE

Turning the control anticlockwise tilts the waveform to the left, and clockwise to the right. The centre indented position at 12 o'clock is the waveform's normal shape.

DEPTH   SPEED   GAIN

SHAPE

CLASSIC
SINEWAVE
TRIANGLE

SPEED

Controls the speed of the modulation, ranging from 0.4 to 15Hz.

Speed may also be controlled via an external expression pedal or high/low speed remote using the **CONTROL** input.

GAIN

Controls the gain boost from 0 to +10dB.

WAVEFORM

CLASSIC is an 'output bias' style waveform. This has a vintage feel, replicating the sounds found in many vintage amplifiers.

SINEWAVE is the Signature Sinewave tremolo as found in our Hamstead Artist +RT series amplifiers.

TRIANGLE can create saw and reverse saw waveforms when used with the Shape control, as well as classic choppy opto/photocell style tremolo.

INPUTS

POWER: DC *ONLY* + ─◉─ -
(centre negative)
9V 450mA
12V 250mA
18V 180mA

IN: Mono instrument input

OUT: Mono signal output

CONTROL:
Connect an expression pedal or the Hamstead High/Low Remote to control the Speed. When using an expression pedal, the Speed knob on Signature sets the highest speed, and the control on the pedal (such as a Roland EV-5) sets the lowest speed.

SPECIFICATION

All-analogue design

Dimensions: 70w x 130d x 65h mm (excludes feet)

Weight: 525g / 1.15lbs

Input Impedance: 500K Ohms

Output Impedance: < 300 Ohms

Signature Analogue Tremolo features an optical OptoKick footswitch from our friends at TheGigRig, for silent and reliable switching.

Internal dip-switch selects Power Up mode:

When Signature Tremolo is powered up it can be set to be ON or BYPASSED. If used with a switching system such as TheGigRig Quartermaster or G2 we recommend setting to POWER UP ON, whereas if used alone or with other in-line effects we recommend POWER UP OFF.

Example Settings

These example settings are designed to show the wide variety of sounds available in Signature Analogue Tremolo.

The Depth and Speed controls can be adjusted to taste and although the Depth control automatically compensates for perceived volume loss, the Gain control can be used as a boost on any setting if desired.

The most faithful recreations of vintage amp style tremolo can be found between the 10 and 3 o'clock positions of the Depth and Speed controls. However, Signature Analogue Tremolo also allows these classic sounds to be pushed beyond their previous limits - the controls can then be taken to their extremes to explore a world of modern tremolo sounds.

DEPTH   **SPEED**   **GAIN**

SHAPE   CLASSIC
                 SINEWAVE
                 TRIANGLE

SIGNATURE SINEWAVE

This waveform is our Signature sinewave tremolo, as found in Hamstead Artist +RT series amplifiers.

'61 PRINCE

Classic amp tremolo sounds from the mid '50s to early '60s with output bias thump.

BLACKFACE

A refined version of opto/photo style tremolo from the mid '60s.

SIDECHAIN SAWTOOTH

Set the depth to maximum for sidechain style pumping from this sawtooth waveform.

REVERSE SAWTOOTH

The aggressive choppy sound of a downward-slanting saw waveform.

VALCO 6156

Quirky small vintage amp tremolo with lots of vibe.

TRIANGLE

A perfect triangular waveform created by pure analogue circuitry that is so much warmer than the angular name suggests.

WARRANTY & SUPPORT

Hamstead Soundworks warrants the product to be free from defects in material and workmanship for a period of five (5) years. Potentiometers and switches are covered for one (1) year. If the products 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. Please register your product within 30 days of purchase. This warranty is non-transferable.

To register your product and find 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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