

HAMSTEAD
SOUNDWORKS

Z E N I T H

AMPLITUDE CONTROLLER





Thank you for purchasing this Hamstead Soundworks **ZENITH**

Tone is more than just guitars, amps and pedals; but the voice of the player. Once your core elements are brought together, you can refine your sound or even push it to a whole new level. This is Zenith: a powerful EQ, Boost, and Compressor delivered in one compact and incredibly flexible package.


PETER HAMSTEAD

USER NOTICE

This booklet is a quick overview of the pedal's controls and functions. Zenith offers many possibilities and you will find more details, settings, and tutorials on our Zenith Online Manual. Please visit: hamsteadsoundworks.com/zenithmanual

CONTROLS

BLEND

Blends between 100% EQ (or dry in 'Comp Only' mode) when fully anti-clockwise, to 100% compressed when fully clockwise.

COMP

Controls the amount of compression from subtle level balancing to hard compression and long sustain.

THE COMPRESSOR

MID Q

Using the Q switch sets the bandwidth of the Middle control to wide, medium or narrow.



LEVEL

The master output level. Use as a subtle boost or cut to balance the level to unity or boost up to 20dB. Level controls only the EQ Circuit when in Parallel and is bypassed when in 'Comp Only' mode.

MID FREQUENCY

Sets the Mid frequency to 500Hz, 800Hz or 1.2KHz.

BASS

Controls 15dB of Bass frequency boost or cut

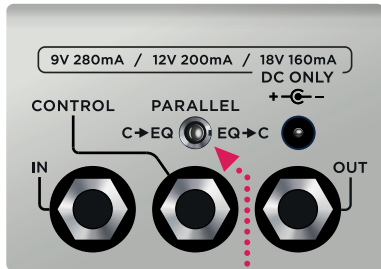
MIDDLE

Controls 15dB of Mid frequency boost or cut

TREBLE

Controls 15dB of Treble frequency boost or cut

THE EQ CIRCUIT



CIRCUIT ORDER SWITCH

Sets the order of the Compressor and EQ circuits.

- Compressor into EQ
- Both circuits in Parallel
- EQ into the Compressor

Parallel offers some amazing possibilities which are discussed at length in the Online Manual.

INPUTS

POWER: DC **ONLY** + -  -
(centre negative)
9V 280mA
12V 200mA
18V 160mA

IN: Mono instrument input

OUT: Mono signal output

CONTROL:

This input allows the independent switching of the EQ and Compression circuits by an external latching footswitch or controller. Please see the Online Manual for the applications of Control Switching and compatible products.

SPECIFICATION

All-analogue design with digital control

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

Weight: 550g / 1.2lbs

Input Impedance: 600K Ohms

Output Impedance: < 300 Ohms

Zenith features silent optical switching and The GigRig's OptoKick footswitch for excellent reliability.

SECRET SWITCHING

Zenith features 'Secret Switching' for independent control of the EQ and Compression circuits.

For basic operation, Secret Switching is accessed by holding down the OptoKick for 2 seconds until the two LEDs flash. Pushing the OptoKick then scrolls through the 5 modes:

1. **Standard (as shipped):** Both LEDs on = Bypass // EQ On + Comp On
2. **Flip Flop:** LEDs flash alternately = EQ On // Comp On
3. **Comp Always On:** Comp LED on = Comp On // EQ On + Comp On
4. **EQ Always On:** EQ LED on = EQ On // EQ On + Comp On
5. **Cycle:** Comp LED on + EQ LED flashing = Bypass // Comp On // EQ On // Both On

Use the OptoKick to scroll through to the desired switching mode, and then after a four-second pause, the LEDs will flash quickly to indicate that you have left programming mode.

For full details on Secret Switching and its applications, please refer to the Online Manual.



INTERNAL TRIM POT

Sets the master level of the Compressor circuit. This can be used as make up gain on certain compressor settings if necessary.

ONLINE MANUAL

Zenith offers many possibilities and you will find more details, settings, and tutorials on our Zenith Online Manual.

Please visit:
hamsteadsoundworks.com/zenithmanual



SCAN HERE

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





ENGINEERED TO INSPIRE

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