

# HIWATT

## Welcome to Hiwatt.

Proudly producing generations of iconic British tone for the World's best artists. Legendary headroom, clean and clear sounds, great for pedals and studio work, unbeatable live onstage.



### AMPLIFIER FEATURES\*

- Two channels of cascading gain. Four stages of gain in total.
- Channel-independent, foot-switchable 'Super-Hi' boost.
- 33/50 Watts of all-tube power.
- Two channels, each with independent Gain and Master Volume controls.
- 3-band Parametric EQ and Presence control.
- Included 2-button footswitch to toggle between channels and to activate Super-Hi boost.
- Indicator lights for each channel and the Super-Hi boost.
- Passive effects loop.

**Super-Hi 50 Tube Configuration:** x4 ECC83 (Ax7) preamp tubes, x2 EL34 power tubes.

**Super-Hi 33 Tube Configuration:** x4 ECC83 (Ax7) preamp tubes, x2 6V6 power tubes.

## IMPORTANT SAFETY INSTRUCTIONS

### Please read these instructions carefully before switching your amplifier.

Please ensure that the voltage selector and fuses match the supply voltage of the country in which the amplifier is being used.

Do not switch the amplifier on without the loudspeaker connected. It is important that the amplifier and speaker are matched at the correct impedance. Failure to do so can result in damage to the amplifier or speaker.

Never attempt to by-pass fuses or fit ones of incorrect value.

Never attempt to use an amplifier in wet or damp conditions.

Protect the power cord from being walked on or pinched. Do not modify.

All servicing should be carried out by a professionally qualified service technician.

Always ensure free movement of air around the amplifier to prevent overheating.

Do not attempt to remove the amplifier chassis, there are no user serviceable parts inside.

Always use the supplied mains lead provided with your amplifier. If a replacement is needed, please contact your Hiwatt Dealer.

Always unplug this amplifier during lightning storms or when unused for prolonged periods of time.

**WARNING – if used improperly or without proper safeguards this equipment can cause hearing damage or loss of hearing.**

**Servicing is required** when the apparatus has been damaged in any way, such as when the power supply or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.



**Follow all instructions and warnings**

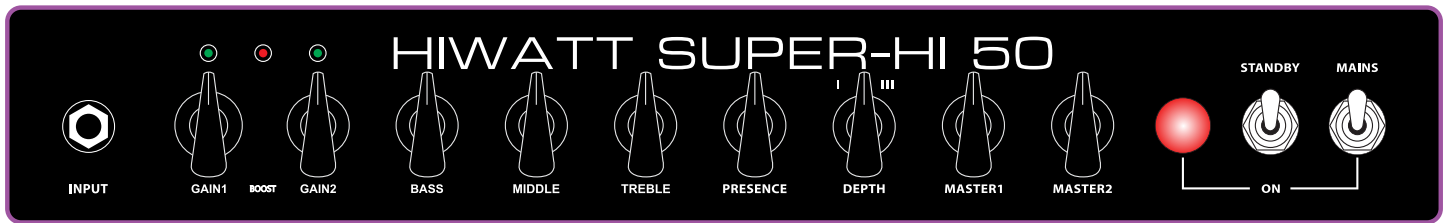
Please keep instructions in a safe place

Register product online: **Hiwatt.co.uk**

## TURNING ON YOUR AMPLIFIER

- Please ensure that the voltage of your amplifier is set to the correct voltage for your country.
- Ensure that the impedance of your amplifier and speaker cabinet are matched.
- Ensure that your amplifier is plugged into your speaker cabinets.
- Set both Masters and Gains to zero.
- Set Bass, Middle, Treble and Presence knobs to 12 o'clock.
- Plug your instrument into the Input.
- Turn on your amplifier.
- Set Master to desired volume level and set Gain to taste.
- Boost or cut Bass, Middle, and Treble and Presence to taste.

# FRONT PANEL FEATURES



**Input** - Plug your guitar in here with a 1/4" instrument cable.

**Gain 1** - Controls the Gain of Channel 1.

**Gain 2** - Controls the Gain of Channel 2.

**Bass** - This control is used to set the amount of bass. Turn the control clockwise for more bass and counterclockwise for less bass. A Hiwatt amplifier is capable of a very full sound and will remain tight and sound full even at high volumes.

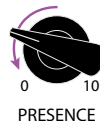
**Middle** - This control is used to set the amount of Middle. Turn the control clockwise for more mids and counterclockwise for less mids.

**Treble** - This control is used to set the amount of Treble. Turn the control clockwise for more treble and counterclockwise for less treble.

**Presence** - This controls the level of negative feedback reintroduced into the signal path just before the master volume. It is like a treble control effecting the power/output section to sculpt the high frequencies of your tone.



Turning the presence control clockwise adds high end to cut through the mix and add more immediacy of guitar/player interaction. 'A feel thing.'



Turning the presence control counter-clockwise tames and smooths out spiky highs and hiss from pedals. This also reduced a certain amount of treble from the over all tone of the amplifier.

**Depth** - The Depth control works in tandem with the Presence control by setting the amount of low frequency sent to the negative feedback circuit.



**I** - This is the standard presence found on classic Hiwatt amplifiers. Very little bass presence.



**II** - This setting opens up the bass presence for a bigger tone.



**III** - This setting allows the full frequency range of the amp to come through for a full sound.

**Note:** In this setting, a larger capacitor allows the full frequency range to bypass the presence control (which traditionally filters out the bass frequencies from being reintroduced into the signal path).

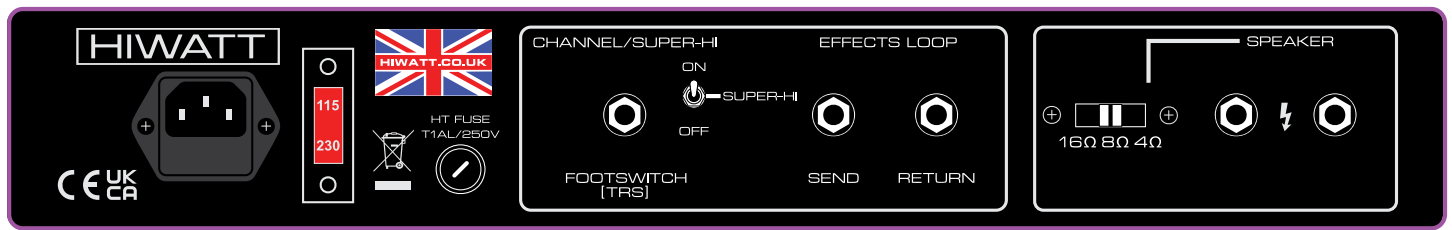
**Master 1** - Controls the overall volume of channel 1.

**Master 2** - Controls the overall volume of channel 2.

**Mains Lamp** - This LED will light up when the power is on

**Standby Switch** - The standby switch allows the valves to heat to the optimum working temperature. Leave switched off when turning the Power on and allow 2-3 minutes before turning on. Correct use of the Standby switch will prolong the lifespan of the amplifiers tubes. Place amp in Standby mode when switching the impedance of the amplifier.

## REAR PANEL FEATURES



**IEC Mains Socket:** As with all equipment that uses wall voltage to operate, plug your mains lead from this IEC socket to the mains socket in order to power the amp.

**Voltage Switch -**

**Mains/H.T. Fuses and Wattages -** (Mains fuse found inside of IEC Mains Socket).

Model	220/230/240V	100/120V	HT Fuse	Wattage Clean	Wattage Cranked
Super-Hi 50	1.6A Slow Blow	3A Slow Blow	1A Slow Blow	18 Watts	85 Watts
Super-Hi 33	1A Slow Blow	2A Slow Blow	1A Slow Blow	18 Watts	35 Watts

**Footswitch** - Insert a footswitch (FS201-SH) to toggle the amp's channels and Super-Hi boost.

**Super-Hi Switch** - Toggles the Super-Hi boost on and off.

**Send** - Connects to the input of effects pedal, rack or processor.

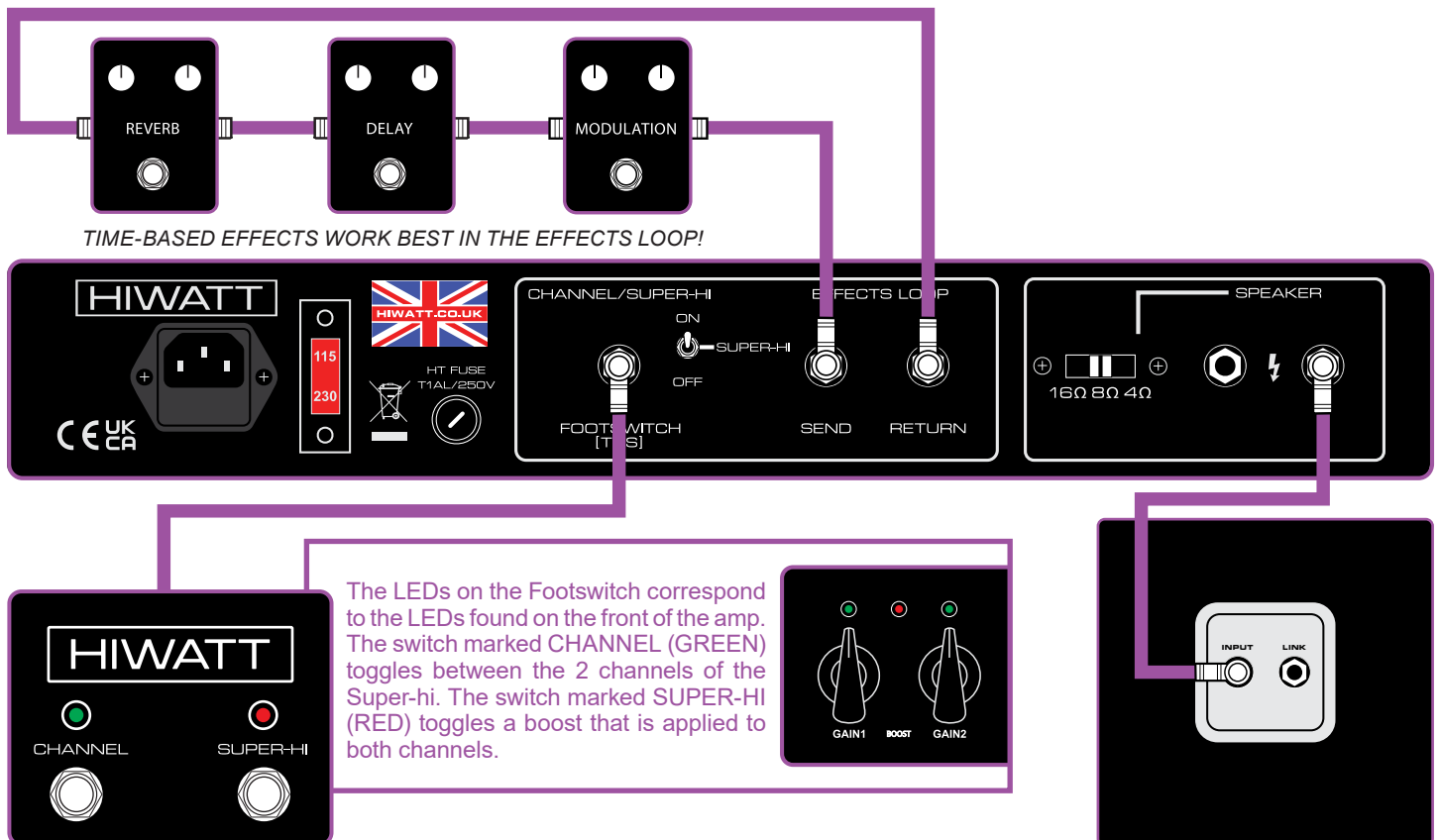
**Return** - Connects to the output of an external effects pedal, rack or processor.

**Impedance Selector** - Sets the impedance that the amplifier will operate at.

**Parallel Speaker Outputs** - Connect your amplifier to a speaker cabinet with a 1/4" speaker cable.

## OUTPUT CONFIGURATIONS

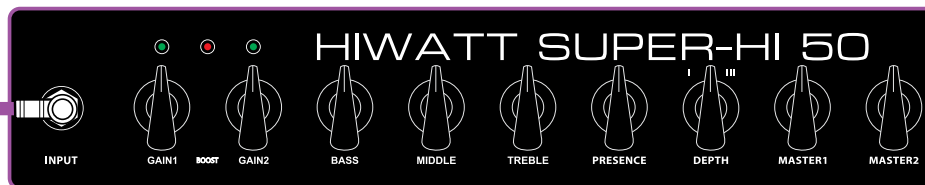
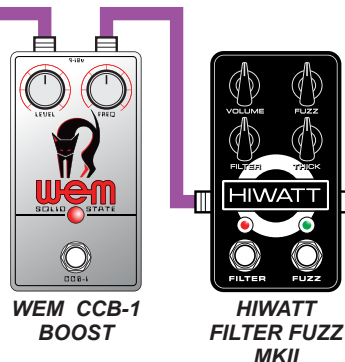
### EFFECTS LOOP EXAMPLE



# PEDALS LOVE HIWATT!

“The sound of a Hiwatt amps is bold, with plenty of headroom and bottom end. They are especially great platforms for a pedal based rig.”

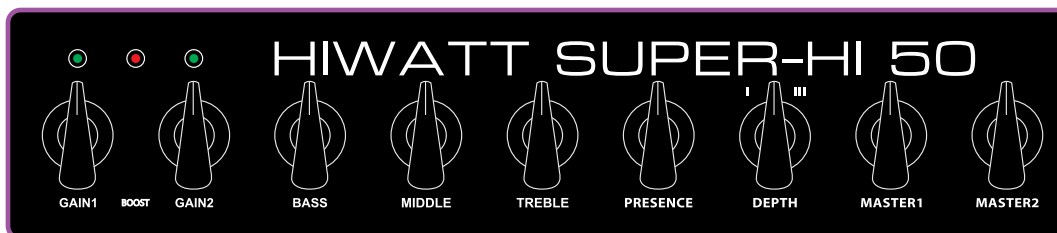
-Guitar Aficionado Magazine, 2015



## GETTING CREATIVE WITH TONES

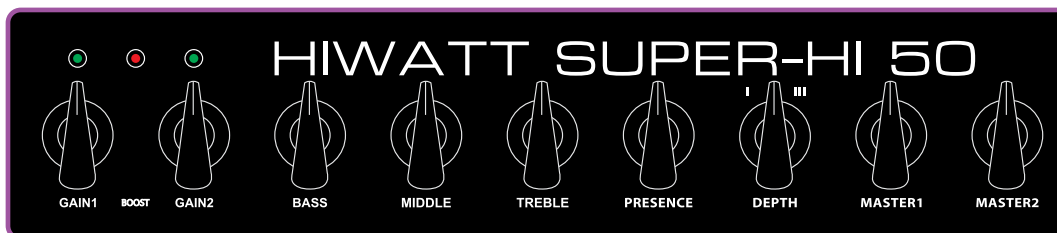
### Elmore Gain

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 7 o'clock  
**BASS** - Set to max  
**MIDDLE** - Set to 11 o'clock  
**TREBLE** - Set to 11 o'clock  
**PRESENCE** - Set to 11 o'clock  
**DEPTH** - Set to I  
**MASTER** - Set to Noon



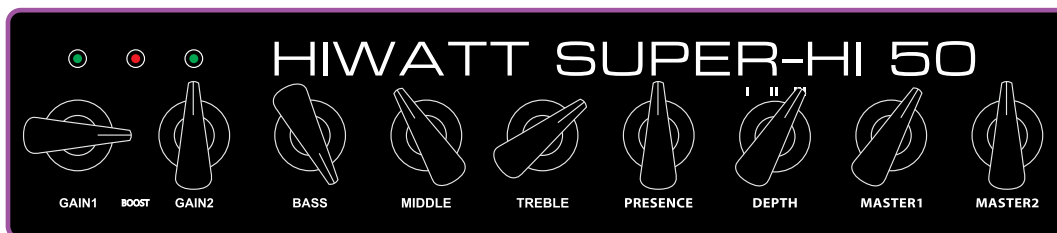
### Elmore Fury

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 7 o'clock  
**BASS** - Set to max  
**MIDDLE** - Set to 11 o'clock  
**TREBLE** - Set to 11 o'clock  
**PRESENCE** - Set to 11 o'clock  
**DEPTH** - Set to I  
**MASTER** - Set to Noon



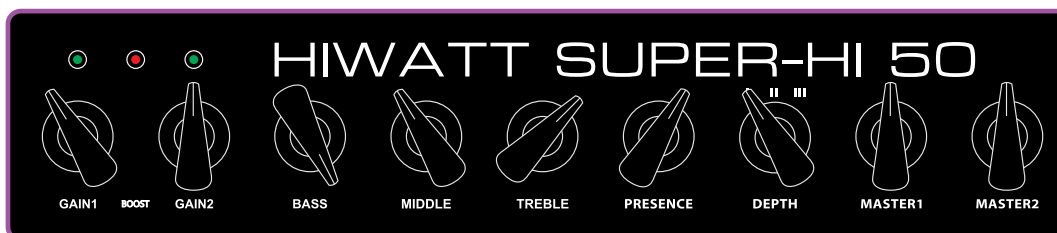
### Distortion

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 3 o'clock  
**BASS** - Set to max  
**MIDDLE** - Set to 11 o'clock  
**TREBLE** - Set to 2 o'clock  
**PRESENCE** - Set to Noon  
**DEPTH** - Set to III  
**MASTER** - Set to 1 o'clock



### Bright Overdrive

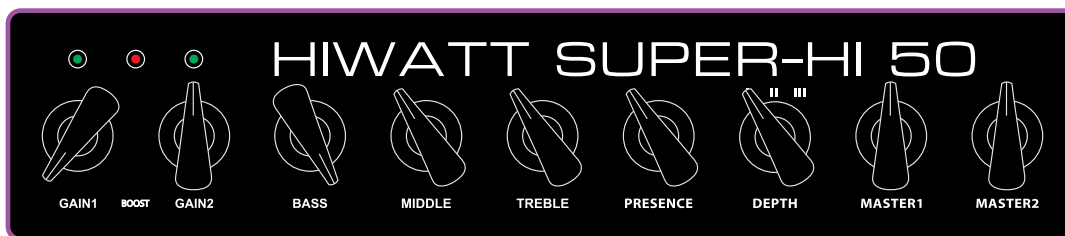
**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 11 o'clock  
**BASS** - Set to max  
**MIDDLE** - Set to 11 o'clock  
**TREBLE** - Set to 2 max  
**PRESENCE** - Set to 1 o'clock  
**DEPTH** - Set to I  
**MASTER** - Set to Noon





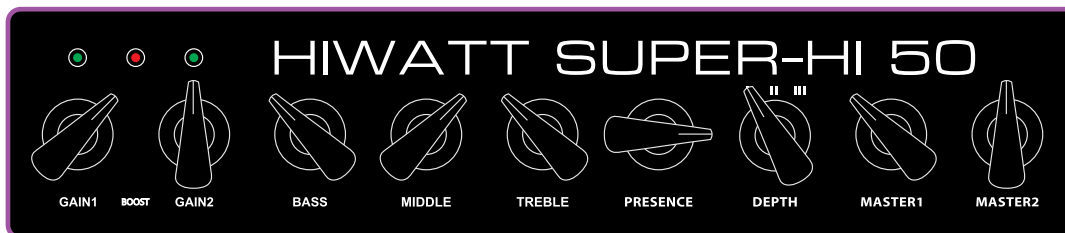
## Transparent Grit

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 7 o'clock  
**BASS** - Set to max  
**MIDDLE** - Set to 11 o'clock  
**TREBLE** - Set to 11 o'clock  
**PRESENCE** - Set to 11 o'clock  
**DEPTH** - Set to I  
**MASTER** - Set to Noon



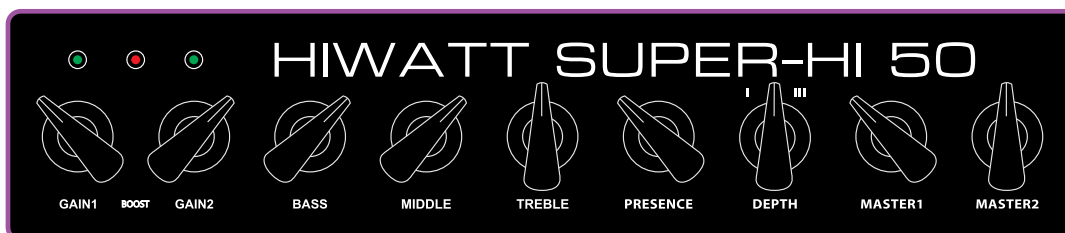
## 80s High Gain

**BOOST** - Super-Hi boost optional  
**GAIN** - Set to 2 o'clock  
**BASS** - Set to 10 o'clock  
**MIDDLE** - Set to 2 o'clock  
**TREBLE** - Set to 10 o'clock  
**PRESENCE** - Set to 3 o'clock  
**DEPTH** - Set to I  
**MASTER** - Set to 10 o'clock



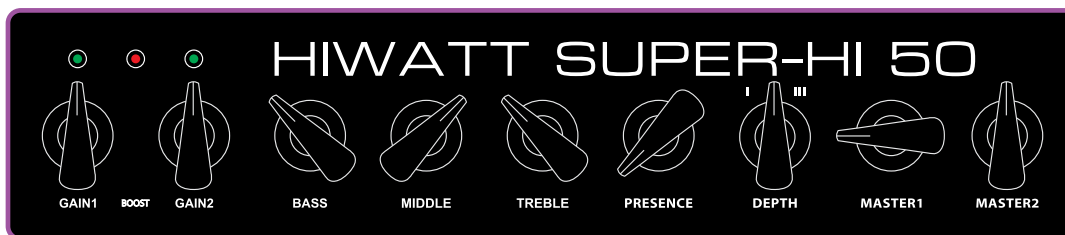
## Lead Boost

**BOOST** - Super-Hi boost optional  
**GAIN** - Set to 10 o'clock  
**BASS** - Set to 2 o'clock  
**MIDDLE** - Set to 2 o'clock  
**TREBLE** - Set to Noon  
**PRESENCE** - Set to 10 o'clock  
**DEPTH** - Set to II  
**MASTER** - Set to Noon



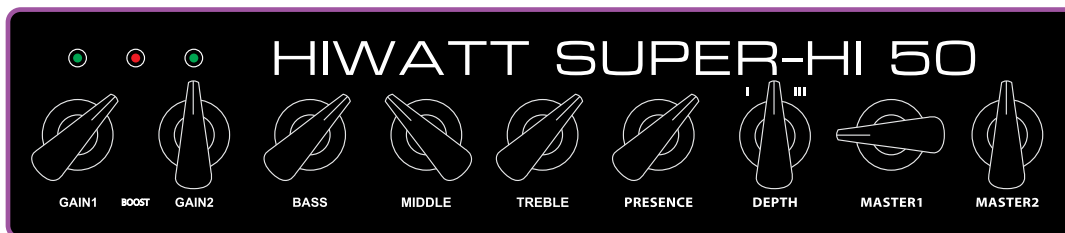
## Tight Metal

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 7 o'clock  
**BASS** - Set to 10 o'clock  
**MIDDLE** - Set to 2 o'clock  
**TREBLE** - Set to 10 o'clock  
**PRESENCE** - Set to Zero  
**DEPTH** - Set to II  
**MASTER** - Set to 9 o'clock



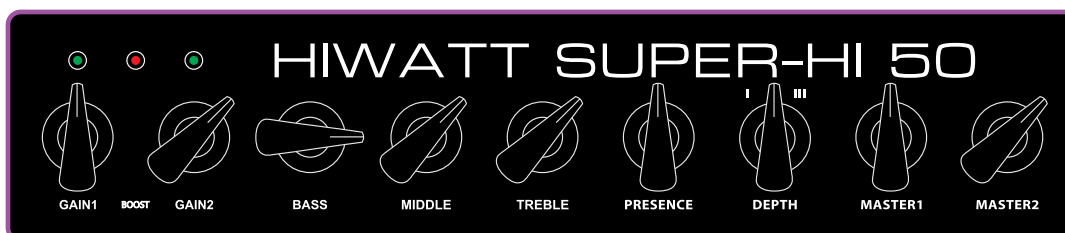
## Scooped Up

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 7 o'clock  
**BASS** - Set to max  
**MIDDLE** - Set to 11 o'clock  
**TREBLE** - Set to 11 o'clock  
**PRESENCE** - Set to 11 o'clock  
**DEPTH** - Set to II  
**MASTER** - Set to Noon



## Sweet Shoegaze

**BOOST** - Super-Hi boost engaged  
**GAIN** - Set to 1 o'clock  
**BASS** - Set to 3 o'clock  
**MIDDLE** - Set to 1 o'clock  
**TREBLE** - Set to 1 o'clock  
**PRESENCE** - Set to 11 Noon  
**DEPTH** - Set to II  
**MASTER** - Set to 1 o'clock



# HIWATT



## BRITISH ENGINEERING

- Hiwatt amplifiers are warranted against defects in materials and workmanship for a period of 1 year.
- Speakers, transformers, reverb tank, batteries, and tubes/valves for 90 days.
- Please note: It is your responsibility to use the equipment safely and properly, without modifications, within specifications and with a safe power supply.
- Please note: The limited Warranty provided is non-transferable. (please register your product online and retain sales receipt and original packaging) and authorization needs to be obtained by Hiwatt Electronics (Hiwatt.co.uk) before any service work is completed by a professionally qualified Service Technician.
- Shipping costs incurred obtaining warranty service are the responsibility of the purchaser, and the purchaser must obtain permission to ship any/all product prior to shipping.
- Please note: Any damages incurred in shipping must be reported to the shipper and Hiwatt Electronics immediately upon receiving the product.

**Follow all instructions and warnings**

Please keep instructions in a safe place

Register product online. **Hiwatt.co.uk**

Serial Number:

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Date of Purchase:

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Store Contact Info:

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RECYCLING INFO



**Hiwatt Electronics Limited**

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Kirk Sandall, Doncaster  
DN3 1QR

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REGISTER PRODUCTS