

# The DHA VT1-EQ-Bass-Drive

Thank you for purchasing the DHA VT1-EQ-Bass-Drive overdrive and EQ effects pedal, we are sure you will be very happy with it. The VT1-EQ-Bass-Drive uses a single 12AX7 (ECC83) valve to generate classic pure valve tones. The VT1-EQ-Bass-Drive is intended to be used in front of a valve amplifier, but will also work well with solid state amps adding valve/tube warmth. The foot switch provides a true by-pass of the overdrive and EQ part of the circuit and the Blue LED indicates if the effect is on or off. There is a cool blue backlight visible via the valve vents.



The VT1-EQ-Bass-Drive is fitted with 2.1mm external PSU adaptor for use with a 9-12v @ 600mA external supply. The user should use a well regulated external supply as the better the regulation then the less the hum when at higher gain levels. The inner of the connector is the positive, there is reverse polarity protection so no harm will be done if you get it wrong. There is an internal switch mode power supply which doubles the 12V to 24V for the valve anodes or 'plates'. The pedal will work at any voltage between 9V to 12V but there is some loss in output level when using a voltage below 12V. Please note that there will be a drop in output level if used at 9v so 12v is recommended.

The controls are Level, i/p Level, Gain, Boost, Level, Q, Headphone/line out level DI Level, Treble, Mid, Bass, Colour switch, Bright switch, Boost switch and DI Gnd Lift switch.

Level sets the output level of the effect to your amplifier, there is a fair amount of gain generated by the valve and this will overdrive the input of your amplifier.

I/P Level sets the input level into the effect. This is useful when using high gain or active pickups or with use with line level effects. Gain sets the level into the second stage of the valve and hence the level of gain. Use your volume control on your bass to control the gain on the first stage of the valve, you will find that the VT1-EQ-Bass-Drive responds very well to this and you can control the break-up distortion like this.

The bright switch increases the treble response without loss of the mids and lows. The boost switch switches in a clean op-amp boost and the level of the boost is controlled with the Boost pot. The Colour switch adds gain and compression but there will be a drop in level.

Treble, Mid and Bass are active tone controls and provide a +/- 15dB cut or boost at each frequency, so the centre position is flat. The Q control sets the centre frequency of the Mid pot so you can find the sweet spot.

The DI pot sets the DI output level. The DI circuit is on all the time there is power to the pedal even when the by-pass is selected. There is an XLR balanced low noise DI output which is in parallel with the  $\frac{1}{4}$ " jack output. The ground lift switch is there to remove ground loop hums if one occurs.

The Headphone/Line out pot sets the level of the stereo headphone and line out 3.5mm jack.

The 3.5mm line in jack allow you to play along to MP3, iPod, CDs, etc via the headphones

The By-pass footswitch provides true by-pass of the effect. So, just plug your bass into the jack with the bass guitar drawing and your amplifier into the jack with the amp drawing and you are off and running!

Your pedal is covered for any parts and labour required to repair it should it go wrong within 12mths of purchase. This does not cover misuse of the product but we will be happy to repair this at cost as we will for any units which fail outside of the 12mths. The owner of a faulty pedal will pay all the postage costs.

Here at DHA we take a great pride in all our effects and amplifiers and we welcome comments from our customers at [davehallamps@aol.com](mailto:davehallamps@aol.com) Once again we thank you for your purchase and we wish you luck and lots of fun with your music.

Best regards

Dave Hall Amps - [www.davehallamps.co.uk](http://www.davehallamps.co.uk)