

The DHA VT1-MK3

Thank you for purchasing the DHA ValveTone 1 MK3 overdrive and distortion effects pedal, we are sure you will be very happy with it. The ValveTone 1 MK3 uses a single 12AX7 (ECC83) valve to generate classic pure valve tones. There are two modes of operation, overdrive and clipping distortion which also has 2 separate options of clipping. The ValveTone 1 MK3 is a low to medium gain effect and is intended to be used in front of a valve amplifier, but will also work well with solid state amps. The foot switch provides a true by-pass and the LED indicates if the effect is on or off.



The ValveTone 1 MK3 is fitted with 2.1mm external PSU adaptor for use with a 12v @ 1200mA 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 controls are very simple, Level, Gain, Boost, Clip, Colour level, Colour select switch and Boost by-pass. Level sets the output level of the effect to your amplifier, there is a fair amount of gain generated by the valve and op-amp and this will overdrive the input of your guitar amplifier.

Gain sets the level into the second stage of the valve and hence the level of gain. Use your volume control on your guitar to control the gain on the first

stage of the valve, you will find that the ValveTone 1 Hi-Plate responds very well to this and you can control the break-up distortion like this.

The 3 position Clip switch is neat trick you won't have seen before on this type of effect. In the centre position (None) there is no clipping selected and the only clipping heard at higher gains is the valve soft chipping. The Si position connects two Silicon diodes across the signal path to produce a harder Fuzz type clipping. The Ge position switches in 4 Germanium diodes, this is a much softer clipping, please note because the Germanium diodes reverse voltage is much lower than Silicon the volume will drop.

The Boost switch allows you to add extra clean output volume by switching in an op-amp. The amount of volume is controlled by the Boost level control. This is a useful feature when a low level of gain is required for a clean type setting but a higher than by-pass output is still needed. The Boost switch is true by-pass so when it's off the signal path is pure valve.

The 3 position Colour select switch is used to select Colour 1, 2 or non which is the centre position. When Colour 1 or 2 is selected negative feedback is introduced into the circuit the level of which is adjusted with the Colour pot. The Colour effect is best heard at high gain which is an increase in distortion and compression.

The By-pass footswitch provides true by-pass of the effect.

So, just plug your guitar into the jack with the 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 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