



APPLICATION NOTE

Voodoo-Vibe Jr

History:

The Voodoo-Vibe Jr is our latest evolution of the Univibe unit that was used by Jimi Hendrix and Robin Trower. The Voodoo-Vibe Jr will faithfully reproduce all the old sounds and incorporates the modifications I made for Jimi. The **Supervibe** was my 1st evolution of the Univibe and many leading performers including Stevie Ray Vaughan and Robin Trower used this unit. The **Voodoo-Vibe** is the 2nd evolution and also has a Tremolo circuit plus the usual Chorus and Vibrato functions. The control of the sound parameters is greatly expanded and is capable of producing many new unheard effects. The **Voodoo-Vibe Jr** is the 3rd evolution and is the smaller brother of our famous Voodoo-Vibe, which is used by so many great guitarists such as Page and Clapton and still today remains the standard by which all other Vibe type clones are judged. It has been designed in response to the many requests of having a smaller unit with less knobs that still gives the great tone of it's bigger and more complicated brother. The Vibe Jr. has the same circuitry and configuration but does not have the Tremolo function nor does it have the choice of sine or triangular waveforms in three ranges and the symmetry controls.

Technical:

The **Voodoo-Vibe Jr** is completely analogue in operation and exhibits a very transparent and full sound quality that is lacking in digital units that simulate chorus, flanging, phasing and vibrato effects. The digital zipper noise and graininess is eliminated and the guitar tone is maintained throughout the full dynamic range, Class A discrete circuitry is used in all audio stages and results in ultra high audio quality and very low noise. The signal to noise ratio of the unit is 102Db, which is about 12 Db better than a compact disc. Extensive power supply filtering is used to ensure low noise operation from mains AC adapters.

SETTING UP THE FRONT PANEL CONTROLS:

SPEED: The speed or rate of effect can be adjusted over a large range.

INTENSITY: The level of depth of the effect can be controlled and is used in conjunction with the other controls to set up the final effect.

SWEEP: This control enables the unit to be tuned to produce different sweep effects from the Chorus and Vibrato mix. It changes the frequency around which the unit sweeps (centre frequency). If the mix control is set to full chorus the sweep can first be set to a good starting point by turning the Intensity control to minimum and then rotating the sweep control slowly whilst playing a chord until a phasing or null is heard. This should occur at about the 2 o'clock position of the sweep dial. Increase then the intensity control now and a very typical Univibe effect will be heard. When the Mix control is set at the full Vibrato setting the effects of the sweep control will not be as great as this is a pitch shift effect.

MIX: This sets the mix or blend of chorus and vibrato effect.

The operational window of these controls has been optimised to produce great tones instantly. The simplicity of operation will appeal to those who are less technically orientated and who want a plug in and go version of the Voodoo-Vibe that was a bit too complicated for them

Quick Start: Turn all the controls to the 12 o'clock position and begin to experiment to find out what they do.

Tips: Adjust the sweep control in small increments, as it's easy to go past the sweet spot.

The Voodoo-Vibe Jr is housed in the new **Vision Series** enclosure design with many added extras to help the modern musician and bring the famous Voodoo-Vibe sound forward to the future. The many players who demand the original Voodoo-Vibe sound plus a package that is more flexible, modern and pedal board friendly will welcome the additional features and for the traditionalists the famous Voodoo-Vibe will still be available with all the added variables and features.

VISION SERIES ENCLOSURE ADDITIONAL FEATURES:

MULTI-MODE OUTPUTS / HARD WIRE BYPASS/ TWO BUFFERED OUTPUTS :

The Concorde + has three outputs, a true hard wire output plus two buffered outputs that can drive long cable lengths with no high frequency loss. These two buffered outputs are identical and are disconnected when the hard wire output is being used. This means that you have a choice for all possible performance or equipment situations whether you feel a true hard wire output or buffered outputs will perform best. Generally speaking the low output

impedance of the buffer gives a lower noise floor and a more punchy sound but it's so easy to check out and hear the difference and make a real decision that is based on fact not hype.

Mode 1 : There is no jack plug inserted into the Hard Wire Output (HW OUT1).

The input of the buffer is connected through switching contacts on this jack socket (**HW OUT1**) to the foot switching output ("full bypass" or "effect") and the two buffer outputs (**BF OUT2**) and (**BF OUT3**) will thus follow the foot switching action. In this "bypass mode" however the input of the buffer is only connected to the input jack socket of the unit and not to the Concorde+ circuit as well so it can be thought of as "full bypass buffered"

Mode 2 : When a jack is inserted into the Hard Wire Output (HW OUT1).

The input of the buffer is disconnected and no output signal will appear at the two-buffered outputs. The Hard Wire Output (HW OUT1) will follow the foot switching output ("bypass" or "effect"). In this "bypass mode" the Hard Wire Output (HW OUT1) is directly connected to the input jack socket and to nothing else in the unit and is in "full bypass" - "true bypass" or "hard wire bypass" mode as the input is directly connected to the output through the foot switch and to nothing else.

LED : An LED shows the status of the effect. The LED also shows a low battery condition and in this mode it will fail to light in either status thus showing that battery replacement is required.

RAPID BATTERY CHANGE: No more screws to loose!!! Slide the front panel back and there is the battery. It could not be simpler or faster.

LONG BATTERY LIFE: Exceptionally low current consumption: Bypass Mode= 12mA
Effect Mode=15mA ensures an expected battery life of more than 20Hrs with alkaline type batteries

EXTERNAL POWER ADAPTER / SUPPLY: An external AC adapter (not supplied) can be used and access is through a standard DC power jack (2.1mm centre pin) situated next to the jack sockets. Internal onboard filtering ensures that optimum low noise performance is maintained and diode protection provides peace of mind in case of polarity setting mistakes.

Connection protocol: It uses the standard negative centre pin protocol as used by many leading manufacturers.

Specifications: 9 volts DC. Regulated output is recommended.

Current Rating: 50mA or more.

ERGONOMIC DESIGN / PEDAL BOARD FRIENDLY : The position of the jack sockets and DC power jack are all on the same side of the enclosure and face away from you thus enabling the effect to be optimally positioned in pedal board set-ups

Size: Width 170 x Depth 112 x Height 57mm. Weight: 618g with battery.

www.roger-mayer.co.uk