

VIBERATOR™ OWNER'S MANUAL

Congratulations! You have just purchased VIBERATOR from Dawner Prince Effects!
It is the premium, stereo version of the vintage, Uni-Vibe® type phase shifter with a number of modern options. Utilizing all analog circuitry in a very compact design, Viberator impeccably delivers all those deep, natural and watery phase and vibrato sounds.
Viberator is fully professionally designed and handmade with audiophile quality components for superb sound quality and long-term durability.

INTENSITY (potentiometer) 1
control adjusts the thickness and throb of the vibrate (chorus) effect and the amount of pitch de-tuning effect in vibrato mode. More pronounced «heart-beat» like warble effect starts from 2 o'clock onwards.

SPEED (potentiometer) 2
controls the speed of the chorus (phaser) and vibrato effect. Viberator has an extended speed range in comparison with the original Uni-Vibe® and is customized to deliver balanced rotary tones even on maximum speed setting.

SHAPE (potentiometer) 3
Distorts the LFO's sinusoidal waveform that drives the light bulb. Middle potentiometer position represents perfectly symmetrical sine wave shape, but to either end position this shape will slant, providing new and interesting sound effects - all in between produce subtle differences.

VIBRATO/CHORUS (toggle switch) 4
switches between classic chorus (phaser/vibe) and vibrato mode (only phase shifted signal).

MODERN / VINTAGE (toggle switch) 5
switches between vintage, relatively low input impedance and modern, high input impedance circuitry. VINTAGE mode engages original Uni-Vibe circuitry resulting in a warm and slightly darker tone, while MODERN mode engages input FET buffer, resulting in a more brighter overall tone.

BRIGHT (side trimmer) 6
The brightness of the tone in MODERN mode (5) can be further adjusted with BRIGHT side trimmer by varying the input impedance from 100 Kohm to 1 Mohm. This control is very useful as it allows the pedal to be matched with any amplifier and/or guitar pickups.

VOL / STEREO VOL (side trimmers) 7
control the levels of the output signals on OUT (11) and STEREO OUT (12) channels. When on maximum, output volume levels are slightly above unity.

TRUE BYPASS SWITCHING SYSTEM with BI-COLOUR SPEED INDICATOR LED (footswitch) 8, 9
switches the effect ON and OFF. Status LED flashes in time with the speed setting and lights YELLOW when the effect is bypassed (OFF) or BLUE when the effect is engaged (ON).

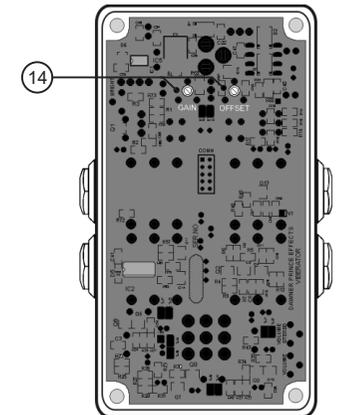
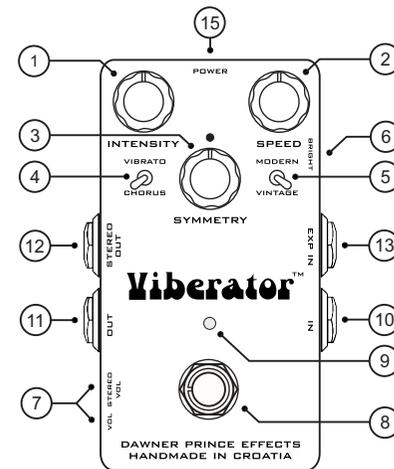
IN, OUT, STEREO OUT (jacks) 10, 11, 12
IN jack (10) takes the signal from the guitar or the previous effect pedal in chain. OUT (10) and STEREO OUT (12) jacks deliver signals to the amplifier or to the next effect pedals in the chain. When in CHORUS mode, signal at STEREO OUT jack is a 'mirror' image of the signal at OUT jack.

EXP IN (jack) 13
accepts expression pedal connection for external speed control. Viberator accepts all expression pedals with linear 10K pots. When expression pedal is connected, onboard SPEED (2) potentiometer is automatically disengaged.

GAIN and OFFSET (internal trimmers) 14
control operation of the internal light bulb that illuminates photocells and are used to set the right sweep and throb sound of the effect. GAIN sets intensity range and OFFSET sets the balance of the sweep of the effect. They are carefully calibrated during manufacture process for optimum range of the sweep and slightly asymmetrical pulse. If you wish to experiment with different throb settings, make sure to mark initial trimmers' positions.

POWER (DC jack) 15
Unit operates at 9V DC that is internally converted to 15V DC (Uni-Vibe operating voltage). Use regulated or unregulated 9V DC - 16V DC(max!) / 100mA power adapter, center pin negative plug. Viberator has built-in reverse power polarity protection circuitry.

*Uni-Vibe® is a registered trademark of Dunlop Manufacturing, Inc.



SPECIFICATIONS:

Input impedance (VINTAGE) :	50 Kohm
Input impedance (MODERN):	100 Kohm - 1 Mohm (adjustable)
Output impedance:	100 Kohm
Power supply:	Adapter 9V DC (16V DC max)
Power supply connector type:	Barrel, 5.5mm / 2.1mm Center Negative + -
Max. current draw (peak):	75 mA
Standard colour:	Satin Black

WARRANTY:

We at Dawner Prince Electronics are proud of our products and back-up each one with the following warranty:

Dawner Prince Electronics warrant this product to be free from defects in materials and workmanship under normal use and service. Dawner Prince Electronics liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned to Dawner Prince Electronics WITH RETURN AUTHORIZATION, where all parts and labor will be covered up to a period of two (2) years. A Return Authorization number can be obtained from Dawner Prince Electronics by e-mail. All transportation costs for the service within the warranty period are paid by the owner of goods.
This warranty does not cover loss or theft of products, and excludes failures caused by misuse, mechanical damage, liquid damage of any kind, device falling, unauthorized modification, shock surge in electricity supply, lightning, improper storage and natural disasters. Dawner Prince Electronics assumes no liability for any damages resulting from the use of this product. Using the product the customer accepts all conditions set forth hereby. Dawner Prince Electronics reserves the right to make changes in design, or make additions to, or improvements upon this product without incurring any obligation to install the same on products previously manufactured.

NOTE: The information contained in this manual is subject to change at any time without notification. Some information contained in this manual may also be inaccurate due to undocumented changes in the product since this version of the manual was completed. The information in this version of the owner's manual supersedes all previous versions.