

KILLER V



Killer V was inspired by some very cool and unique amplifiers born in California, USA in the 50s and 60s. These amplifiers featured very distinct frequency modulation based on a true pitch-shifting vibrato circuit. With every detail in mind we copied the behavior, sound and feel of the preamp, phase inverter, power amp and the compression/sag of tube rectification found in these designs. Applying JFET technology we managed to recreate not only the overdriven sounds but the lower gain/clean sounds as well. The most important part was emulating the LFO and the dual phase shift modulation stages to create a pitch modulation effect reminiscent of the real thing. This effect enhances the 3D acoustic image and musical feel. Like in most of the original designs we've also added the option of placing dry (unmodulated) signal in parallel with the wet (modulated) signal thus creating whirling phaser/vibe sounds.

DC:
Use an external 9V DC regulated and filtered power supply (- center, + ring). Max current consumption 45 mA @ 9V DC. Using a power supply of +10V DC or more may cause severe damage to the pedal and void warranty.

Volume:
Controls the amount of gain. Works in conjunction with internal gain structure switch.

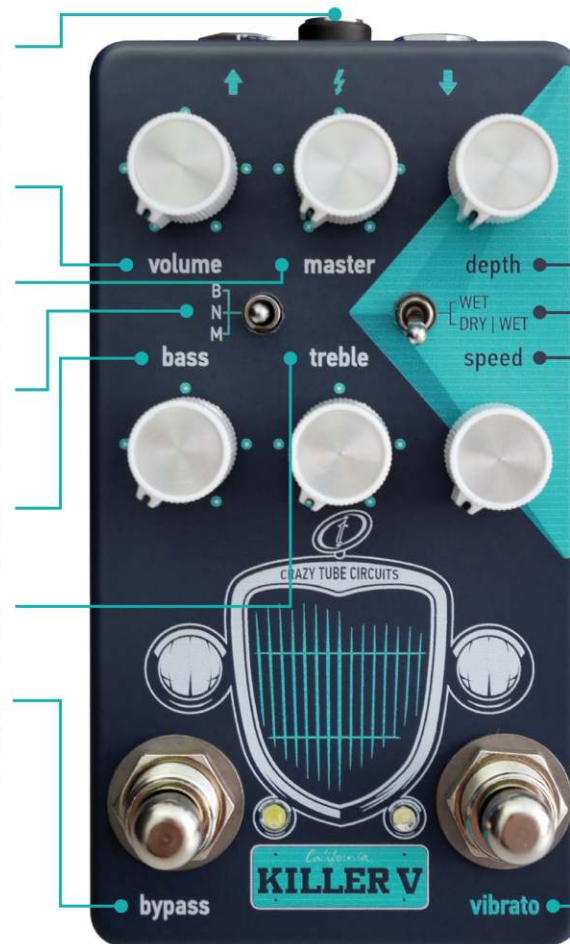
Master:
Controls the output level of your pedal. Set to match bypass level or boost your amp if needed.

B / N / M toggle switch:
This switch was found in some models of that era and controls the feel and behavior of the preamp section. Select between Bright, Normal or Mellow.

Bass:
Controls a wide low frequency response based on the same EQ response of the actual amplifier design.

Treble:
Controls a wide high frequency response based on the same EQ response of the actual amplifier design.

Bypass footswitch:
Killer V features silent relay true bypass switching that will automatically switch to bypass at the event of a power supply failure.



Depth:
Controls the intensity of modulation effect. From fairly subtle to all out modulated warble.

WET - DRY / WET toggle switch:
Select between 100% modulated (WET) or place dry unmodulated signal in parallel with the modulated signal (DRY/WET). The latter setup was found in some of the original amps through "stereo" inputs and gives pulsating phaser or vibe like sounds.

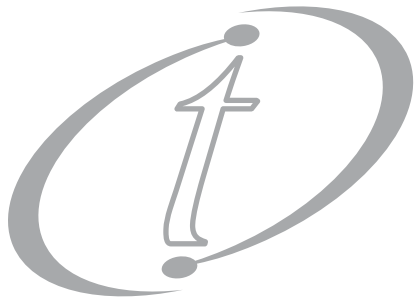
Speed:
Controls the rate of modulation effect. The LFO's circuit waveform and range are similar to the original amp design.

Internal gain mode switch:
Through the years of production, the original units saw some changes/updates in the main preamp circuit that led to different gain structures. We chose to incorporate the most significant of these gain structure changes in a small internal switch. Use a tiny flat screwdriver to select between Normal or Modified (more) gain structure. These settings affect the range of volume control and the behavior of the amp like circuit.

Vibrato footswitch:
Activate or kill the LFO driving the pitch shifting vibrato circuit. On power-on the LFO is activated.

Warranty: Killer V comes with 5 years warranty. We will provide service/repair at no cost for all internal parts, within 5 years from date of manufacture - buyer is responsible for all shipping costs and taxes that may apply. This warranty excludes damages done due to misuse or improper handling.

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