

Owner's Manual



Juice Joint Overdrive Pedal





CONGRATULATIONS ON YOUR PURCHASE OF SPEAKEASY'S ADVANCED PEDAL TECHNOLOGY!

The Juice Joint overdrive pedal gives you access to a wide range of overdrive tones reminiscent of those created by classic tube amplifiers. The unique Proof circuit emulates interactions that occur between the power supply and the output stage of a great-sounding tube amp operated near its limits. Controls are carefully designed to provide useful tones throughout their range, allowing settings from a mild clean boost to heavily saturated distortion, all with exceptionally low noise.

GAIN – The Gain knob simultaneously adjusts the amount of gain and equalization before the distortion stages. The lowest settings allow some amount of clean boost before the onset of distortion, especially at low settings of the Proof control. Higher settings drive the clipping stages into progressively more distortion, while simultaneously attenuating low frequencies to prevent muddiness. At the highest settings a second asymmetrical clipping stage is engaged, adding more harmonic content.

SIP, GULP, GUZZLE – The three-position voicing switch works in conjunction with the Gain control. The “Sip” setting yields the lowest range for the Gain control, as well as the least amount of pre-distortion low-frequency roll-off. Use this setting for the most transparent tones. The “Gulp” setting boosts the range of the Gain control by 6 dB, and adds more pre-distortion bass cut as gain is increased. This setting provides a range of overdrive tones with a bit of mid-range emphasis that will help cut through a mix. The “Guzzle” setting bumps the gain range by another 6 dB, and provides even more pre-distortion bass cut. This setting is for the most aggressive distortion tones. While there is considerable overlap in the amount of gain available for each setting, the equalization at any particular gain will be different for each setting of the Voicing switch.

PROOF – The Proof knob controls the amount of dynamic headroom in the main distortion stage. As this control is increased, the amount of distortion becomes a dynamic function of how hard you play.

Moderate settings (near 12 o'clock) can emulate the feel of a tube amplifier with an overdriven output stage, while high settings (above 9 o'clock) take this touch sensitivity to a degree beyond any amplifier. Turning up the Proof control with the Gain control at fairly low settings results in a feel similar to that of a small vintage tube amp with a simple low-gain preamp, where the tone is fairly clean until the power amp just doesn't have anything more to give. Much of the magic of the Juice Joint is made by exploring the infinite possibilities available from the combination of the Gain and Proof controls.

LEVEL – The Level control adjusts the overall output level. Use it to restore the overall volume at high settings of the Proof control without changing the tone and feel.

TASTE – The Taste control adjusts the overall high-frequency content, attenuating treble as it is rotated counter-clockwise. As the name suggests, use to taste.

INTERNAL BASS TRIM – There is an internal Bass trimpot which adjusts the amount of post-distortion bass boost. The factory setting (nearly centered) is adjusted for the most transparent response with the Voice switch set to “Sip” and the Gain control centered. It is best to adjust this trimpot after you've found your favorite settings of the front-panel controls.

SpeakEasy pedals are designed and hand built in the USA and carry a one-year limited warranty.





Juice Joint

The Juice Joint is protected from reverse-polarity DC power applied to the power jack but damage may occur if it remains connected for more than a few minutes. If you connect your power supply and do not see the green LED illuminate when the footswitch is activated, disconnect the power supply immediately and check the polarity of your supply.

SPECIFICATIONS

Power Supply Voltage	+7 V to +20 V DC, negative center 2.1 mm barrel connector or 9 V battery power
Supply Current	8 mA
Input Impedance	1 Mohm in parallel with 120 pF
Output Impedance	<4 kohms
Switching	True bypass switching
Dimensions	2.6" width x 4.8" length x 2.5" depth



SpeakEasy Pedal Company

Boston, Massachusetts

SpeakEasyPedals.com

contact@SpeakEasyPedals.com