



This product is actually two effects pedals in one. The left side is based on an improved version of the Ross compressor (compROSSor) and the right side the Dan Armstrong Orange Squeezer (Juicer). Each is independent and can be used separately or together. The order of the pedals, if used together, is Juicer first. Here are the basic specifications:

1. True Bypass on both effects
2. Two 3PDT stomp switches, right for JUICER and left for compROSSor
3. Two LEDs: YELLOW for the Juicer and RED for the compROSSor
4. Power adaptor jack (Boss style, 9V DC not AC!)
5. CompROSSor ATTACK (ATK) knob on left, then SUSTAIN, then compROSSor VOLUME. Right knob is Juicer VOLUME.

BASIC INFORMATION:

JACKS: Right is input, left output. Battery is disconnected when input cord removed. Always remove input cord (if using battery) when not being used, as battery will drain even when LEDs are off.

POWER: 9V internal battery or 9V DC (NOT AC!!) adaptor. A 9V AC adaptor as used by Line6, Foxrox, etc will destroy our pedal so be careful! Boss PSA, or other 9VDC effects adaptors will work fine. Voodoo labs or other high quality power supplies are recommended for best sound and least noise, OS needs a quality adaptor to minimize noise. The effect draws under 10mA when both effects are ON and just under 4 mA when both LEDs are off. A battery will last over 40 hours with both effects ON. Center of power plug is NEGATIVE on the normal boss style adaptors.

COMPRESSOR information: This is quite similar to an MXR dynacomp but improved to make the sustain more solid and less wavering and seasick sounding. The compROSSor has more sustain and a cleaner sound than the juicer. The CompROSSor uses NOS (new old stock) 2SC1849 Matsushita transistors which were used in the original ROSS compressor and early script logo MXR dynacoms. We use higher quality capacitors than the original, for improved sound. The circuit board is double-sided with GROUND PLANES everywhere possible to minimize noise. This is important as any compressor amplifies ambient noise when you play lightly or stop playing, as they go to maximum gain. Any noise from your pickups will be brought up when you stop playing, so if you need complete silence it is best to turn off the compressor(s) when you stop. The COMPRESSOR features below do not function when ONLY the JUICER is turned on.

SUSTAIN KNOB: Turning up the SUSTAIN knob sets the amount of sustain and compression. The higher it is set, the louder the volume will be swelled and the more the attack will be compressed. Starting in 2003, we are using a special taper pot for the sustain knob, so the knob position can be set the same as on an original Ross or Dynacomp to get the same amount of sustain as an original.

ROSS VOLUME KNOB: Set the volume, can be used to boost the signal somewhat to drive an amp further into distortion. Volume is also increased if SUSTAIN or ATTACK knob are higher.

ATTACK KNOB: The standard setting is at 12:00 (half way up), which is identical to the vintage ROSS pedal. You will feel a notch there. Turning it down or counter-clockwise, you can squash the attack more (faster attack time) so there is not as much peak sound at the beginning of the notes you are playing. Or, by turning the knob clockwise, you will get more attack than the stock ROSS pedal, for a nice strong percussive sound, without losing the sustain when you hold a note. To remember, think of it as turning it up to get more (louder) attack. Turn it down to get less (softer) attack. If you have humbuckers or other powerful pickups and are losing volume with the compressor, try turning the ATTACK knob up so you get less squashing of the strong humbucker pickup's sound. This will allow the compressor to work great with almost any guitar. The attack is most noticeable with the SUSTAIN knob turned up all the way, it is very subtle at mild sustain settings.

BIAS TRIM POT: This trim pot is on the left central area of the board and labelled ROSS BIAS 2K. It does not affect the sound except when set incorrectly. Set it to the halfway point, basically horizontal and it should work fine. To test or set more exactly, turn compROSSor SUSTAIN knob up all the way. Plug in a guitar and amp. Do not play the guitar but hear the sound of the strings' noise being amplified/sustained fully. Turn the trim pot to the center of the area in which sound is heard.

JUICER INFORMATION: The original Orange Squeezer is legendary for its smooth compression and "squashing" tone as used on many Steely Dan, Doobie Brothers, Dire Straits, and other classic albums. The attack of each note is compressed and the decay of the note is brought up somewhat, like a tube amp's natural sag. There is not as much signal and noise amplifying "sustain" (swell) as some compressor/sustainer pedals like the Ross, Dynacomp, Boss, etc. It adds a bit of grit to the sound, sort of like a Dallas Rangemaster- a nice soulful sound. The Analog Man Juicer uses New Old Stock 2N5437 transistors, rare 1N100 diodes and JRC4558 chip for the smoothest sound. Also uses expensive high quality Panasonic capacitors. May be a bit noisy with some AC adaptors.

OS VOLUME KNOB: Set the juicer volume. Can boost the signal somewhat to drive an amp further into distortion. If you need more volume, you may be able to, by adjusting the BIAS trim pot.

OS BIAS trim pot is inside of the pedal on the circuit board bottom left. This is the only tricky adjustment. It should be set by turning it up most the way, then hitting the open strings on the guitar. Now turn it counter-clockwise until the sound cuts out. Then SLOWLY turn it back clockwise until the sound comes back. If you turn it back until the sound barely comes on, you will not get as much volume as if you turned it further, but will get more SQUASHING on the attack and less flutter in the sound. If you turn it further, for more volume, you may not have as much squashing, and will also get a bit more noise and unsteadiness. It is a fine setting, I recommend marking the factory setting (if not already marked) and trying a bit on either side to see where you like it. Then mark your favorite setting and you should be able to leave it there. I like to set it at the point at which the volume is the same when the OS side is OFF and ON, when the OS VOL is set to about 11:00 when hitting the open strings on a Strat. But best to set it to where the volume is starting to ramp up as you turn it clockwise. For clean sounds, low settings are best. The sound is not as clean and steady at higher BIAS.

ENJOY!!!!

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