



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 (9V Boss style)
5. CompROSSor VOLume knob on left, Middle knob is compROSSor SUStain, right 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 Alkaline internal battery or 9V DC (NOT AC please!!!) negative center adaptor. Use of an AC power supply like Line6 or Foxrox will fry this pedal so check for DC output. Boss PSA, or other effects type adaptors will work fine. Voodoo labs or other high quality power supplies recommended for best sound and least noise. The effect draws under 10mA when both effects are ON and just under 4mA when both LEDs are off. So a battery will last over 40 hours with both effects ON.

COMPRESSOR information: The ROSS circuit 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 dynacomps. 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 correct taper Reverse Log pot for the sustain knob so the position of the pot is the same to get the same amount of sustain as an original Ross or Dynacomp.

ROSS VOLUME KNOB: Set the volume, can be used to boost the signal somewhat to drive an amp further into distortion.



ATTACK trim pot: towards the top right on the circuit board is a TRIM POT labelled ATTACK, as seen on the left. The standard setting is half way up, which is identical to the vintage ROSS pedal. It is with the notch pointing LEFT (or DOWN on some versions, there will be a mark). Turning it 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 trim pot 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 up the ATTACK pot so you get less squashing of the strong humbucker pickup's sound. This will allow the compressor to work great with almost any guitar.

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 compROSS or 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 compressed 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, something 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- a nice soulful sound. The Juicer uses New Old Stock 2N5437 transistors, 1N100 diodes (rare!) and a JRC4558D chip for the smoothest sound. Also uses expensive high quality Panasonic capacitors. May be a bit noisy with some AC adaptors, quality adaptors or battery best.

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 on the 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.

ENJOY!!!!

Analog Man Guitar Effects
1D Garella Rd
Bethel, CT 06801

ANALOG.MAN
Guitar Effects



analogmike@aol.com <http://www.analogman.com>