

ANALOG.MAN
Guitar Effects



This product is based on an improved version of the Ross compressor. Here are the basic specifications:

1. True Bypass
2. 3PDT stomp switch
3. Status LED
4. Attack trim pot inside or optional external ATTACK knob
5. Mix trim pot inside or optional external MIX knob
6. Power adaptor jack (Boss style) or internal battery
7. Re'an UK made high quality input and output jacks to isolate mechanical noise.

BASIC information:

This pedal is quite similar to an MXR dynacomp but Ross improved the circuit to make the sustain more solid-less wavering and seasick sounding. It uses NOS CA3080E compander chip as in Dynacomp and Ross. 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 when you stop.

JACKS: Right is input, left output. Battery is disconnected when input cord is removed or power plug inserted. Always remove the input cord when not being used as the battery will drain even when off.

POWER: 9V Alkaline battery or 9V DC center negative adaptor (not AC! This will blow up the pedal!). Boss PSA, Ibanez, or Dunlop adaptors will work fine. Voodoo labs or other high quality power supplies are recommended for best sound. The effect draws about 10mA when ON and under 4mA when off. Higher voltage can improve headroom - 15V is optimal, 12V is fine too.

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 Reverse Log potentiometer for the sustain knob just like the original Ross and Dynacomp pedals. This allows easier control and setting to the same position that is used on those pedals.

LEVEL KNOB: Sets the volume, can be used to boost the signal somewhat to drive an amp further into distortion.

MIX KNOB: All the way up is standard Ross compression. Turn it down to add non-compressed sound, 3:00 is a nice setting.

ATTACK TRIM POT or Knob:



Inside the pedal, towards the top right on the circuit board is a TRIM POT labelled ATTACK. If the optional ATTACK KNOB is ordered, this applies to the external ATTACK knob instead.

The pot is shown on the left. The standard setting, which is identical to the vintage ROSS and DYNACOMP pedals, is halfway up, as in the picture (or 12:00 if the ATTACK knob is external, you can feel a detent at 12:00). 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 pot clockwise, you will get even 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 pot UP so you get less squashing of the strong humbucker pickups 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 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 the compressor 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 amplified fully. Turn the trim pot to the center of the area in which sound is heard.

ENJOY!!!!

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