INTRODUCTION and SET-UP

Introduction: The Keeley Compressor Pro is hand made in Oklahoma, USA and engineered to be an indispensable tool to your musical endeavors. It is in no way limited to use with guitars. It has been designed to work as a studio compressor, accepting any range of inputs and a frequency response and noise level matching the finest compressors made.

Key Features:
* ***Compression LED Display -*** 7 LED Display indicating gain reduction level from -1db to -20db for fast & accurate metering
* ***Threshold Indicator -*** Bi-Color LED to indicate when compression is initiated, and released. (red means active)
* ***Exact RMS Analysis (ERA) -*** Senses the true RMS value of input signals from guitar, bass, drum machine, or any other instrument.
* ***Hard/Soft Knee -*** Hard Knee for limiting, adding sustain, or more noticeable compression effects. Soft Knee for subtle, transparent, compression effects. Keeping a lively, natural sound without the phasing issues of parallel or blended compression
* ***Auto Mode -*** Program dependent Attack and Release times. Set to ON for worry-free performance and automatic Attack and Release times.
* ***True-Bypass -*** No tone or signal loss when OFF

Set-Up: *The Compressor Pro is meant to be used with a variety of instruments, settings and applications. These steps should help start the user.*
* **THRESHOLD INDICATOR** and **THRESHOLD CONTROL -** Adjust the THRESHOLD control to the left until the level of the instrument causes the THRESHOLD INDICATOR to change from green to red. When the indicator is red, the Comp Pro is applying compression to the signal.
* **RATIO CONTROL -** Set the RATIO for the amount of compression to be applied. The higher the RATIO, the more reduction will be applied to the signal. The COMPRESSION DISPLAY will indicate how much reduction is actually be applied.
* **KNEE HARD/SOFT** - Hard for a more pronounced compression effect or Soft for a more subtle effect.
* **AUTO MODE ON/OFF -** ON Disables ATTACK and RELEASE controls. START WITH AUTO MODE ON. This will calculate attack and release times based on the input signal provided. Most players will find this setting to be satisfactory.
* **ATTACK and RELEASE CONTROLS -** Once a good setting is found, these controls allow the user to finely tune the times compression begins and ends. Use these to modify the sound of the initial attack and bloom of your instrument (Attack) or to adjust for sustain (Release). Again, AUTO MODE is recommended as a starting point.
* **Gain -** Once these controls have all been set to a suitable position, the Gain control can then be used to adjust final output level to unity, or above to drive the input section of an amplifier or preamp.

RATIO:
Controls the compression ratio. Compression ratios are continuously variable from 1:1 all the way to ∞:1 1:1 represents no gain reduction, whereas ∞:1 represents hard limiting. Values of 4:1 or 5:1 are normal for moderate use.

ATTACK:
Controls the speed at which the compression is applied to a signal. Faster times to the left, slower times to the right. Faster settings produce more noticeable compression effects while slower times will preserve a more natural attack sound.

RELEASE:
Controls the speed at which the compressor will stop gain reduction. Faster Times to the left, slower times to the right. Faster times will have a pronounced sound to them while longer times will sound more subtle and will be less noticeable.

THRESHOLD:
Controls the threshold point, or at what signal level compression begins to be applied. Use this control along with the THRESHOLD INDICATOR to find a precise setting. Turning the knob left will result in a lower threshold, so more compression will occur.

GAIN:
Controls the final output level, or makeup gain, of the compressor. This is generally the last control to be set. It is customary to set this to "unity" gain, but it is capable of producing higher output levels, making it possible to use this as a boost.

THRESHOLD INDICATOR & COMPRESSION METER:
The THRESHOLD INDICATOR will change from green to red when the compression threshold is reached. The Comp Pro is working when red. The COMPRESSION METER will indicate how much gain reduction is performed. More LED's = More Compression
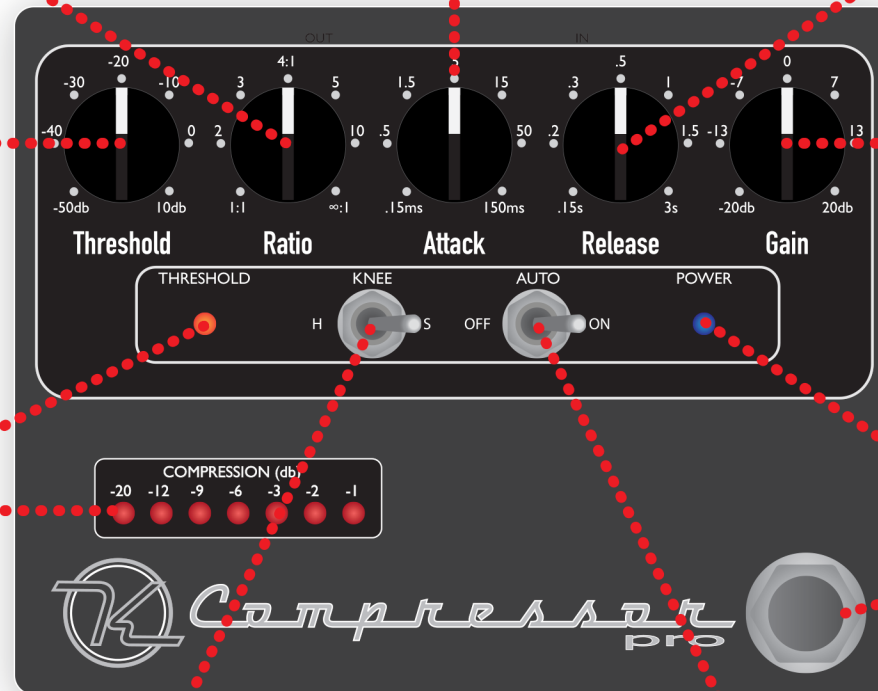
POWER LED / BYPASS:
The power indicator will light up when the pedal is on. The bypass switch can be used to power the Compressor Pro on or off at any time. The Compressor Pro is True Bypass.

KNEE SWITCH:
Toggles between Soft or Hard Knee modes. This refers to how gradual the change from uncompressed to compressed signal is made. A hard knee will be more noticeable and pronounced whereas a soft knee will be more gradual and subtle.

AUTO SWITCH:
When ON, the Auto mode bypasses the ATTACK and RELEASE controls. In this mode an adaptive equation is used of 125 db/sec. This will calculate Attack and Release times based on the amount of signal given. Release times will generally be 100 times faster than attack times.

Threshold   Ratio   Attack   Release   Gain

THRESHOLD   KNEE   AUTO   POWER
H   S   OFF   ON

COMPRESSION (db)
-20 -12 -9 -6 -3 -2 -1

Compressor pro

Smoothing : Set a RATIO of around 3:1-4:1 and set THRESHOLD until the COMPRESSION METER shows around 6db of reduction. This is a great setting for smoothing rhythm playing. Try with Hard and Soft Knee.
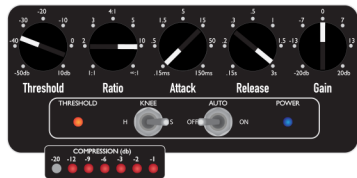
Sustain: Lower THRESHOLD to the point the THRESHOLD INDICATOR stays red most of the time. Increase RATIO to around 10:1 or above. The COMPRESSION METER should show around -12db. This will increase sustain. With AUTO switch in OFF position, set RELEASE to 3s, and ATTACK to .15ms for enhanced sustain.

Punchy Bass: Set a RATIO between 6:1 and 10:1 and adjust THRESHOLD until the COMPRESSION METER shows -12db, and occasionally hits -20db. Set KNEE to Hard mode. This will make Bass sound more punchy and give slaps more weight. Try a Soft KNEE for a different feel.

Compressor Pro

Keeley Engineering - 1733 S Fretz Ave Ste C - Edmond, OK 73013
405-341-2025 - www.rkfx.com - fx@rkfx.com