

COMPOUNDER



Serious Compression

The Platinum ComPounder™ is a high performance, dual mono compressor/limiter/gate, designed for the quality-conscious audio professional and project studio owner. This highly featured unit is an essential tool for any style of music. The combination of high quality compression with the powerful Bass Expander, make this unit a must-have for any dance music engineer, musician, or club installer.

"I would advise anyone contemplating buying a new compressor to listen to this product. Focusrite should be congratulated on producing a first class, innovative product."
 Benedick Grant, Audio Media, July 1999



- Class A custom VCA compressor design
- Legendary "Huge" feature with Bass expansion
- Super-quiet Optical Gate/Expander circuit
- High performance Optical limiter
- Full stereo linking capacity

High specification compressor

The compressor in the ComPounder™ features Class A amplification and a custom VCA circuit design derived from the legendary Red 3 Dual Compressor/Limiter, resulting in superb sound and very low distortion. Soft and Hard Knee compression curves and a wide ratio control that takes you beyond infinity for that classic pumping sound, means you have substantial control over compression. With the unique Bass Expander section you can make kick drums and bass riffs far more powerful and effective. The bass expander circuit uses a unique wire-wound inductor to generate extra bass harmonics, fattening up low frequency signals. Add to this the single 'Huge' feature and be afraid, be very afraid!

Gate / Expander

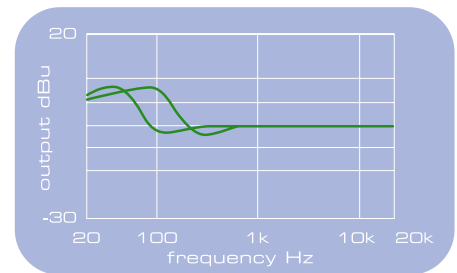
The unique opto circuit featured in the ComPounder's two Gate/Expander sections ensures quiet operation with no pops or clicks. With a complete set of controls you have accurate control over gating, and the expand switch ensures professional noise reduction on difficult audio tracks such as vocals.

High performance opto-limiter

A matched pair of high quality Optos offers improved performance over standard VCA limiter designs which tend to add high levels of distortion, even when they are not limiting. The Limiter features a Class A low distortion design and accurate threshold control to ensure quality precision limiting. The limiter enables you to prevent overload when recording via the optional A/D.

True Stereo Linking

The link feature enables the ComPounder to act as a true stereo processor, enabling complete stereo control of every parameter. When switched to 'link', the left channel becomes the master section and controls both left and right compressor and limiter sections simultaneously. Unlinking allows you to operate the unit as a dual mono device, processing two separate channels independently.



bass expand

COMPOUNDER SPECIFICATIONS

Compressor

Threshold Range: -24dB to 12dB
Ratio: 1.3:1 through ∞ (infinity) to over-compression
Slope: select between hard and soft knee

Attack and Release:

Release: Variable or auto (program dependent)
Attack: 100µS to 100mS
Release: 100mS to 4S

Limiter

Threshold Range: 12dBu to 26dBu
Ratio: ∞ (infinity)
Attack: Fast

Gate

Threshold Range: -40dB to +10dB
Gate Range: 20dB or -80dB(full)
Attack: switched fast or slow
Release/Hold: variable or fixed, 100mS to 4S

Expander Ratio: 2:1

Performance Specification

Inputs: Electronically balanced, impedance 20KΩ, nominal level +4dBu/-10dBV switchable.
Outputs: Electronically balanced: impedance 50KΩ, nominal level +4dBu. Unbalanced: ground compensated, impedance 75Ω, nominal level -10dBV.
Headroom: 22dB
THD: @ +6dB, all sections in, no gain reduction: <0.006% (80kHz BW)
 Distortion during gain reduction is determined by the attack and release times set.
Noise (22kHz): -100dB (compressor OUT) -87dB (compressor IN)
Frequency Resp 5Hz @ 200kHz +0/-2dB

