

ComPounder™

Focusrite

THE PLATINUM COMPOUNDER™ is a high performance dynamics processor designed for the quality conscious 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 or musician.

Compressor

Make it sound clean or fat or even make it pump!

- Class A amplifier – superb sound, low distortion.
- Soft and Hard Knee – choice of compression
- Wide Ratio Control – from Gentle to beyond infinity to get that classic, pumping sound.
- Bass Expander – Make Kick drums and Bass riffs more powerful and effective. The expander circuit generates extra Bass harmonics to fatten up any low frequency signal.
- Huge – Get even more Bass. Be afraid, be very afraid!

INDUCTOR POWERED BASS EXPANDER™
Boost kick drums & Bass riffs!

HUGE!- GET EVEN MORE BASS
If you write, perform or produce dance music, this button alone makes the Compounder a must have unit.

CLASS A CIRCUITRY
Unique Design delivers Focusrite performance

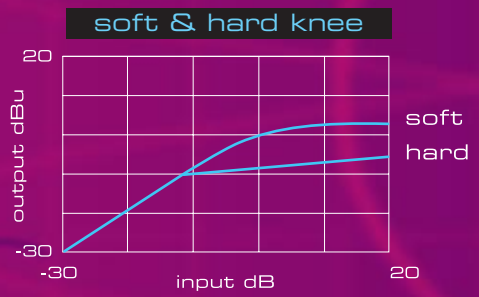
HIGH SPEC COMPRESSOR HUGE ARRAY OF SOUNDS



CLEAN UP THAT TRACK

Gate/Expander

- Quiet operation – unique opto circuit means no pops or clicks.
- Class A Low distortion – far exceeds VCA based designs
- Release/Hold – essential for accurate gate control
- Range – varies gate attenuation between -15dB and -70dB.
- Expander switch – for noise reduction on difficult audio tracks such as vocals.



HIGH PERFORMANCE OPTO-LIMITER

Limiter

A matched pair of high quality Opto's to give improved performance over VCA Limiter designs which tend to add high levels of distortion even when they are not Limiting. Use to control levels when recording to an A/D and prevent overload.

- Class A Low distortion design, mainly 2nd order distortion occurs during limiting which is virtually undetectable by the human ear.
- Accurate Threshold Control means Limiting only occurs exactly where you set it and therefore only as and when required. The fine sensitivity of the scale means very accurate and specific levels can be set.

Linking

Mono/Stereo Independent Stereo linking is provided for both Limiter and Compressor sections.

When switched to stereo the left channel becomes the master section and controls both left and right compressor and limiter sections simultaneously, allowing perfect stereo effects to be made from one set of controls. This is the most accurate form of stereo control as both channels, including makeup level controls and bass expander settings, are perfectly matched.

STEREO OPERATIONS

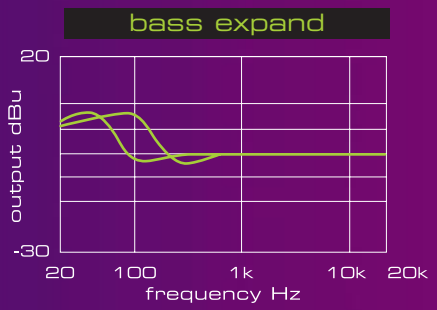
UNIQUE

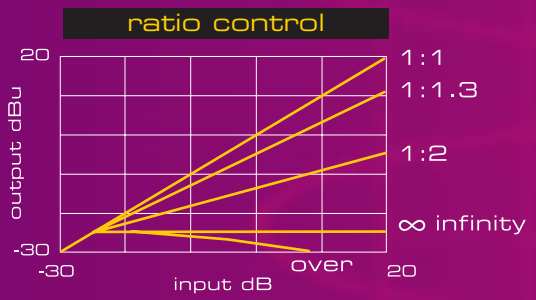
The unique sound of Focusrite compression is considered by many of the top industry professionals as the key to achieving a clean and controlled mix with all the punch and clarity that makes the difference between success and failure.

A Focusrite only sounds like a Focusrite because all audio processing sections of the unit are unique Focusrite Class A circuit designs, we do not employ any standard off the shelf VCA components. Each stage of the Compounder is optimised in design and component performance to get that legendary Focusrite smooth and pleasantly warm audio performance.

PLATINUM







APPLICATIONS

- **Recording Chain** – Use with a high quality Pre Amp and EQ to create a high quality record path with compression for dynamic control and a Limiter to protect the A/ D of the record device.
- **Mixing** – Insert into the console channel path to control individual or stereo tracks to give real presence and punch to vocals and instruments.
- **Mastering** – Place across the console two track bus or use on a finished mix or DAT tape to beef up the sound. Use the Bass expander to get serious hard punching results for dance and Techno tracks.

Graphic Design: Paradine-James

CONNECTIVITY

- **Dynamics Input** – XLR and TRS connection choice is available with both inputs switchable between +4dBu balanced and -10dBV unbalanced operating levels.
- **Key Input to Gate side chain** – TRS balanced input which can be switched in and out from the front panel to drive the Gate Side Chain. Very useful when used in conjunction with an EQ, for those tricky live snare and kick drum gating jobs.
- **Dynamics Output** – Balanced +4dBu on XLR and unbalanced -10dBV on TRS outputs are simultaneously available.



Functional Specification:-

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:	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

Compounder™ 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: @ +6dBr, 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):	-100dBr (compressor OUT) -87dBr (compressor IN
Frequency Response:	5Hz @ 200KHz +0/-2dB

Focusrite Audio Engineering Ltd. Lincoln Road, High Wycombe, Buckinghamshire HP12 3FX, England.
Phone: +44 (0)1494 462246 Fax: +44 (0)1494 459920 email: sales@focusrite.com

www.focusrite.com

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