

MARCUS WILSON STUDIO EQUIPMENT HIRE

Waves L2 Ultra-maximiser Digital Limiter



You can use L2 to significantly increase the average signal level of typical audio signals without introducing audible side effects. It's superb for mastering, mixing, and recording, but equally capable of extreme limiting, intentional pumping, and vintage dynamic processing effects. Take L2 with you to every live sound venue, recording studio, mastering house and DAW for producing the hottest audio wherever and whenever you want.

L2's Increased Digital Resolution wordlength reduction system features ninth-order noise shaping which can increase the perceived sound by as much as 18dB. For example, when you start with original sources of 20 bits or more, 16 and 20 bit masters may have the perceived sound quality of 19 and 23 bit signals.

Features:

48-bit processing

Sampling rates up to 96kHz

The famous brick-wall look ahead peak limiter from the Waves L1 software processor, with some extraordinary refinements

Waves proprietary IDR (Increased Digital Resolution) wordlength-reduction technology (2 types of dither and seventh-order noise shaping)

Waves ARC (Auto Release Control) technology for dynamically controlling release times for maximum level with minimum artifacts.

Increased Digital Resolution Requantize, Dither and NoiseShaping System

IDR is a proprietary noise shaping dither system developed by Waves. It signifies a major advance in preserving and actually increasing the resolution of the digital signal being processed. IDR is of particular benefit when data is deliberately requantized to a shorter wordlength.

The Waves IDR system in L2 can be implemented with ease and convenience using the following three push button controls:

Quantize – Choose the Quintile level according to your desired output (24, 22, 20, 18 or 16 bit).

Dither – Type 1 provides no nonlinear distortion. Type 2 exhibits lower dither (hiss) level.

Noise shaping – Select from either Moderate, Normal, Ultra, or non (off).

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Applications:

L2 performs high quality requantization to 16, 18, 20, 22 and 24 bit signals.

It can be used to requantize 24 bit input signals to 16 bit, an ideal function for DAT and CDR applications.

Analog to Digital mastering

Digital to Digital mastering

Digital recording 16 bit dithered/ 24bit

Analog limiter insert

Digital limiter insert

Recording a mixdown to DAT through L2

ADDA conversion