

## Features

- Stereo compressor with VCA based signal detection
- Super low noise, IC based input section
- Side chain input allows a separate source to be used as the compression trigger
- IC based, ultra low noise output stage
- VU meter for Input / Output Level and Gain Reduction monitoring
- Selectable high pass filter
- Threshold, Attack, Release and Ratio controls
- Selectable detection type Peak or RMS
- Selectable compression type Soft or Hard Knee
- Blend control allows you to mix the compressed audio signal with the original signal

## User Controlled Functions

<b>On Switch</b>	Turn Unit On - VU Meter Light is ON
<b>Compression</b>	Insert compression circuit or bypass
<b>Side Chain</b>	Use Side Chain Input for triggering
<b>Compression</b>	Soft or Hard knee compression type
<b>Input Gain</b>	Input buffer stage gain control
<b>Detection</b>	Peak or RMS
<b>High Pass Filter</b>	60, 90, 130 or 200 Hz high pass filter applied to Side Chain detection signal
<b>Threshold</b>	Applied between -15dB and +15dB
<b>Attack</b>	Attack time in milli seconds - .1 / .3 / 1 / 3 / 10 / 30
<b>Release</b>	Release time in seconds - .1 / .3 / .6 / 1.2 / 1.5
<b>Ratio</b>	Compression ratio selection 1.5 / 2 / 4 / 8 / 10
<b>Blend</b>	Full Dry equivalent to 0% compression, Full Wet equivalent to 100% compression
<b>Output Gain</b>	-60dB to +20dB Output Level control
<b>VU Meter controls (L&amp;R)</b>	In - Input / Out - Output / GR - Gain Reduction

## Indicators

<b>Red LED Input Gain</b>	Overload indicator
<b>Red LED Output Gain</b>	Overload indicator

## Input Connectors

<b>Input (Female XLR)</b>	50 k $\Omega$
<b>Side Chain Input (Female XLR)</b>	50 k $\Omega$
<b>Output (Male XLR)</b>	200 $\Omega$

## Audio Specifications

<b>Noise Specification</b>	<-100dBu Input Terminated with 600 $\Omega$ , compressor ON and Output Gain set to 0dB
<b>Frequency Response</b>	20Hz - 20kHz +/- 0.25dB
<b>Headroom</b>	> 20dB output level
<b>Dynamic Range</b>	100 dB per AES17 Standard
<b>Common Mode Rejection</b>	100Hz - 10kHz >90dB
<b>Input and Output Impedance</b>	>10k $\Omega$ / <50 $\Omega$

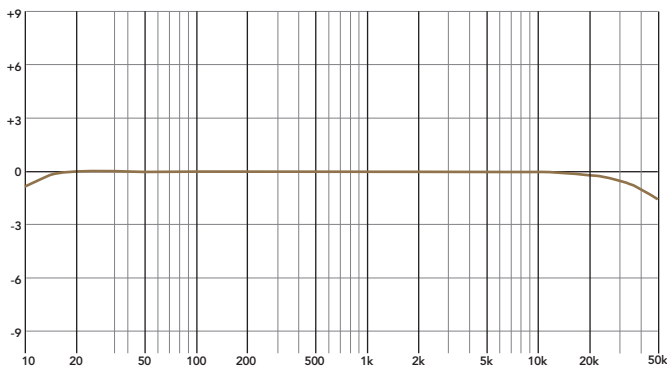
## Power Supply

<b>100V - 240V (50/60Hz)</b>	Switch mode power supply, fully shielded 3 amp peak output capability, quiescent consumption 0.5 Watts
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## Mechanical

1RU Steel enclosure  
Aluminum front panel  
Laser etched graphics  
Milled aluminum knobs

Frequency Response



Control Signal High Pass Filter - 60Hz, 90Hz, 130Hz, 200Hz

