

## **PCL3200** Dual Channel Compressor and Limiter

Selectable hard-knee/soft-knee compression  
PEAK/RMS response selectable  
Variable independent expander/gate  
Channels can be coupled for true stereo operation  
Side-chain insert jacks



### **FEATURES**

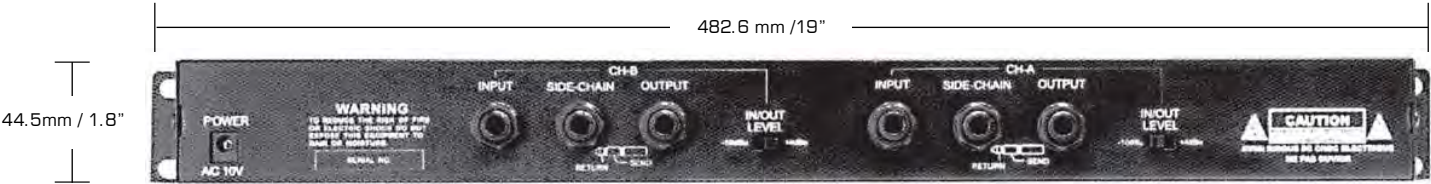
- ▶ Selectable hard-knee/soft-knee compression
- ▶ PEAK/RMS response selectable
- ▶ Full input/output and gain reduction metering
- ▶ Variable independent expander/gate
- ▶ Channels can be coupled for true stereo operation
- ▶ Bypass switch for each channel
- ▶ Side-chain insert jacks
- ▶ Variable filter settings
- ▶ +4 dBu/-10 dBV switchable
- ▶ Action LED display for gate
- ▶ Frequency response: 10 Hz to 30 KHz, +/-0.5 dB
- ▶ S/N ratio: >95 dB, A-weight

The PCL 3200 is a highly sophisticated dual-channel compressor and limiter with gate. Each of the PCL 3200's sections provides independent controls over threshold, compression ratio, attack time and release time in either "hard-knee" or "soft-knee" operation. Whether it's to pull a "lost" instrument up into the mix, to control vocal levels, or to dial in hard-limited speaker protection, the PCL 3200 can accomplish the task with ease.

Specifications

INPUT	
Connector	1/4" phone jack
Type	RF filtered, servo-balanced
OUTPUT	
Connectors	1/4" phone jack
Type	RF filtered, servo-balanced
Impedance	600 ohms unbalanced
Output Gain control range	-20 dB to +20 dB
Side Channel Connector	TRS 1/4" phone jack
SYSTEM SPECIFICATIONS	
Frequency Response	10 Hz to 30 KHz, +0/-0.5 dB
S/N	>95 dB, A-weight
THD	@+4 dBu, 1KHz, Gain 1 <0.06%
Crosstalk	<-80 dB @+4 dBu 10KHz band pass filter
GATE SECTION	
Threshold	Variable (off to -10 dBu)
Gate Rate Time	20 ms to 2 sec
High Pass Filter	35 Hz ~ 4 KHz
COMPRESSOR/LIMITER SECTION	
Threshold	-40 ~ +20 dBu
Ratio	variable[1:1 to ∞:1 ]

Attack	0.1 ~ 200 ms
Release	0.05 ~ 3 sec
Output	Variable (-20 to +20 dBu)
FUNCTION SWITCHES	
HARD/SOFT KNEE	Switches between Hard Knee and Soft Knee response
I/O METER	Switches between input and output for the level meter
IN/OUT (BYPASS)	Relay controlled hard-bypass
Peak/RMS	Yes
High Pass Filter	On / Off
OPERATION LEVEL	Switches between +4 dBu and -10 dBV
LINK	Linking both channels for stereo operation. Channel A becomes master.
INDICATORS	
GAIN REDUCTION	10 element LED display -30 dB to -1 dB
INPUT/OUTPUT LEVEL	10 element LED display -25 dB to +4 dB
Gate	Open/Close LED
POWER SUPPLY	10 VAC
PHYSICAL	
Dimensions (W x H x D)	482.6 x 44.5 x 104.5 mm (19"x1.8"x4.1")
Net Weight	2 kg (4.4 lbs.)



Back Panel

V1.1  
1/25/05  
Information in this document is  
subject to change without notice.