

dbx – 160a Compressor/Limiter



Since its introduction in the mid 1970's, the dbx 160 series has been the world's most popular line of audio compressors. After the classic 160 (which is still used daily in many world class studios), came the 165, the 160X and the 160XT. The 160X/XT were the models that truly became the industry standard. Solid construction, fool proof operation, great sound, at-a-glance metering and a bulletproof output stage all contributed to its popularity with musicians, recording studios, consultants and installers, and broadcast media production people alike.

The dbx® 160A is a legendary dbx® 160 family of compressor/limiters. The same classic sound, easy set-up and no compromise metering is now married to an improved signal path and stronger chassis design. The result is industry standard compressor/limiter which is digital-ready and road tough.

Key Features

- OverEasy® or classic hard knee compression with dbx's® ultra-musical program dependent attack and release times
- Compression ratio variable from 1:1 through infinity :1 to negative compression
- Precision dual RMS LED display monitors input or output and gain reduction over a wide range and calibrates for different operating levels
- Over 60dB of gain reduction available
- Exclusive Infinity+ compression allows negative compression
- Independent balanced and unbalanced outputs can drive 600 loads to +24dBm simultaneously. New floating balanced output stage drives any load
- Optional output transformer capable
- Strappable with another 160A for true RMS stereo summing operation

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INPUT

Connector

1/4" TRS and XLR, Floating Balanced; XLR: Pin 2 hot Phone: Tip Hot

Impedance

40k

Maximum Level

+24dBu, Balanced or Unbalanced (Absolute)

CMRR

>45dB (any Frequency)

Detector Input

Connector: 1/4" TRS phone, Floating Balanced

Impedance

>200k

Maximum Level

+28dBu, Balanced or Unbalanced

Output

Connector: XLR, floating balanced; pin 2 hot

Impedance

30

Maximum Level

(Balanced): +24dBm; <0.3% THD

Maximum Level

(Unbalanced): +20dBm; <0.3% THD

Noise

<-90dBu, Unweighted (20Hz - 20kHz)

Frequency Response

20Hz -20kHz, +0,-0.5dB; +0, -3dB 0.5Hz and 90kHz.

THD

<0.2%, Typical, any amount of compression up to 40dB @ 1kHz

OUTPUT

Connector

1/4" TRS phone, Unbalanced

Impedance

20 ohm

Maximum Level

+24dBm

COMPRESSION

Threshold Range

-40dBu to +20dBu

Threshold

OverEasy® or hard knee

Characteristic

Variable 1:1 to :1 thru to -1:1; >60dB maximum compression

Compression Ratio

Attack Time

Program dependent; typically 15ms for 10dB, 5ms for 20dB, 3ms for 30dB

Release Time

Program Dependent; Typically 8ms for 1dB, 80ms for 10dB, 400ms for 50dB; 125dB/sec rate

SYSTEM PERFORMANCE

Dynamic Range

>113dB

Gain Adjustment

Variable from -20dB to +20dB

Range

Stereo Coupling

True RMS Power summing

Summing

1/4" TRS phone jack

POWER

Power Cord

IEC-type connector

Operating Voltage

DO: 90-130VAC, 50/60Hz; EU: 200-250VAC, 50/60Hz

Operating Temp

0°C to 45°C (32°F to 113°F)

PHYSICAL

Dimensions:

1.75" x 19" x 6.5" (4.45cm x 48.2cm x 16.51cm)

Weight, Net/Shipping

4.452 lbs/6.62 lbs (1.99 kg/2.99 kg)