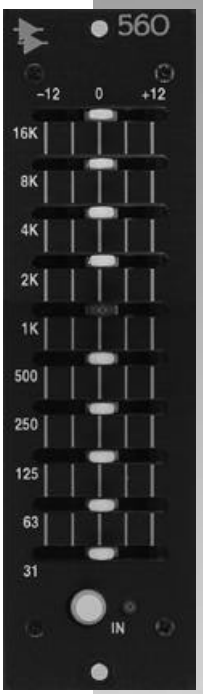
api audio products

560

560 Ten Band Graphic Equalizer

Features

- **10 bands of API proprietary equalization**
- **Familiar graphics operation on one octave centers**
- **12dB of boost/cut per band**
- **"Proportional Q" narrows filter Q at extremes**
- **Additional resolution within the ±4 region**
- **Center detent for reliable reset**
- **Traditional API fully discrete circuit design**
- **Silent bypass button**
- **Re-Issue of the 1967 API 560 EQ**



Originally conceived for use in API Consoles of the 60's and 70's, the API 560 is a unique device designed to accomplish tasks that no other EQ can do. It delivers that "one-of-a-kind" API sound, precision easy set filtering, and high headroom in a very small package. Extremely fast to set and reset using accurate zero detents, the curve shaping potential of the 560 is unmatched. At home both in field recording and the studio environment, this version is a reissue of the original 560 with improved resolution in the critical adjustment area of ±4db. Incorporating API's exclusive circuitry and proprietary components (such as the legendary 2520 OpAmp), the 560 artfully blends the past with present—layout with function.

The API 560 was created to fit all applications for the professional engineer. For most of the 70's and 80's, every remote recording console that API manufactured used this versitile graphic EQ. It is also ideal for studio and live sound applications, where a professional result is required.

The large number of available EQ bands make the 560 an ideal companion to parametric EQ, as well as ideal for signal sweetening and room tuning. Not lacking in features, the 560 makes use of API's unique "Proportional-Q" design introduced by API in the 60's, intuitively widening the filter bandwidth at lower boost/cut levels and narrowing it at higher settings. In addition, boost and cut characterisics are identical, so previous actions can be undone.

The extraordinary headroom made possible with API's proprietary 2520 OpAmp offers predictable and wonderful "analog" performance under duress. With a wider range of 500 mounting options, the 560 will be a valuable asset to your performance critical applications.

The 560 Graphic Equalizer makes use of the 2510 and 2520 Op-amps and therefore exhibits the reliability, long life, and uniformity which are characteristic of API products.

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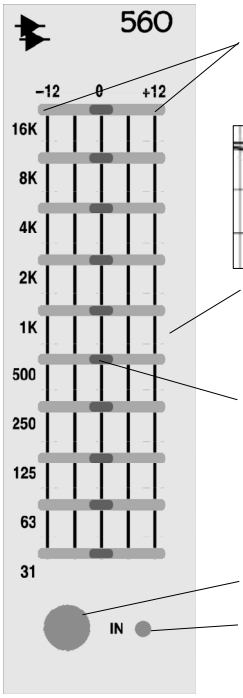
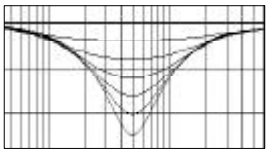
560 Features

Front Panel



Boost and Cut of 12dB

Proportional Q filters of the



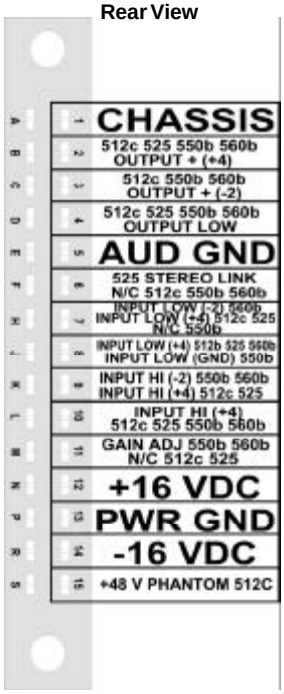
Frequency Centers: 32Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz, 8KHz, 16KHz

Center "Click" Detent for true "0" Boost/Cut Center Point

Silent IN/OUT Switch

IN Led

Connector Pinout
Rear View



560 Specifications

Number of Bands: Ten

Filter Type: Proportional Q, Octave entered, Continuously Adjustable Level

Filter Frequency Centers:
31, 63, 125, 250, 500, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz

Filter Boost/Cut: +/- 12dB

Filter Slope: 12dB per Octave at full boost or cut

Input Impedance: 20k Resistive, Balanced

Output Impedance: Less than 85 Ohms

Nominal Levels: -15 to +15 dBu

Clipping Level: Better than +28 dBu

Frequency Response: +0,-.25, 30Hz to 20kHz

Noise: -95dBu EQ Out, -90dBu EQ In, Unweighted, 20 to 20kHz

Distortion: 05% max, @ +20dBu Output

Connectors: 15 position .156 sp edge connector

Size: 1.50" X 5.25" X 6" Deep

Shipping/Actual Weight: 2 Lbs/1.5 Lbs

Power Requirements: ±12/18 Volts/DC,@60 ma.

Rack Frame and Power Supply Options: Fits 500V (10 slot rack, requires API 200PS Power Supply, 500H (2 slot rack, internal power supply), 500-6B "Lunchbox" (6 slot portable rack with internal power supply), API Legacy Consoles and vintage API Classic Consoles.

Mounting Frame and Power Supply Options

500H
2 Slot frame with internal power supply

500-6B
6 slot "Lunchbox" Frame with int. Power Supply

500V
10 Slot Frame

L200PS
Power Supply

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