## and Switchable Equal-

#### **Features**

- 4 bands of our famous sounding equalization
- Each band offers 7 API selected frequency centers
- Reciprocal and repeatable filtering
- 12dB of boost/cut per band
- EQ Band 1 and 4 offer shelf/peak switching
- "Proportional Q" narrows filter Q at extremes
- Traditional API fully discrete circuit design
- High headroom +30dB clip level
- Re-issue of 1967 API 550 EQ with an extra band

The API 550 EQ played a major part in the history of music recording in the USA during the 60's and 70's. Originally conceived for use in API's consoles, this latest 550 "B" version is a continuation of the original 1967 550 through the 550A with one additional filter band and several new frequencies. Incorporating API's exclusive circuitry and proprietary components (such as the legendary API 2520 Op Amp), the 550b artfully blends the past with the present. So many hit records still depend on the unique 550 sound, that the 550b will be an invaluable tool you will turn to again and again. The API 550b--unlike any other you will ever use.



Many EQ's today offer a huge assortment of complex features, but the API 550b provides exactly the right number of controls to the professional engineer. Deceptively simple at first glance, the 550b's four EQ bands are overlapped significantly to aid in dual roles as problem solver and sweetening device. Each band offers 7 switchable filter frequencies spanning 4 to 5 octaves, selected through experience by a "who's who" list of the industries most proficient engineers.

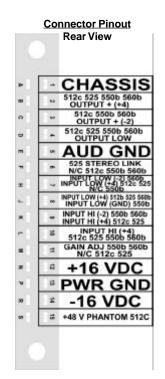
Making use of "API Proportional-Q", a design introduced by API in the 60's, the 550b intuitively widens the filter bandwidth at minimal settings and narrows it at higher settings--without the need for additional bandwidth controls. This feature minimises the "phase-shift" sound found in many equalizers. The reciprocal nature of the 550b enables the user to "undo" what has been done previously.

The benefits of the API 550b are most obvious to those who work with EQ on a continuous basis. The 550b's ability to affect or reverse tonal modifications is perhaps the most important feature. If major tonal restructuring is required, the extraordinary headroom made possible with API's 2520 OpAmp offers predictable and gentle "analog" performance under duress. With a surprisingly wide range of tonal variations, you can do no better than the API 550b.

## api

#### 550b Features

#### **Front Panel** 550b Center Frequency Selector, 7 selections on each band. 4<sup>20k</sup> †2 +/- 12dB Boost/Cut Stepped Filter Control on each band 615k 6 High and Low Frequency Peak/ 2.5k 9 912.5k Shelf positive action Military 12<sub>10k</sub> Grade toggle switches HE 4 12.5k This Graph shows the "Propor-6 6 10k tional Q" characteristics of the 550B Filter, from 0 to +12 dB of 9 8k 8009 12 1.5k 3k Boost. 4 1k R 6 700 <sub>75</sub> 9 9 500 15012 180 1240 4 400 API Custom Solid Aluminum Knobs 6 6 300



#### 550b Specifications

9 200

Number of Bands: Four

12 12 100

IN

Filter Type: "Low" and "High" bands are Peak/Shelf switchable. Low-Mid and Mid-High are peaking type

slot racks

Fits API 2 slot, 4 slot, and 10

Silent IN/OUT Switch

#### **Filter Frequency Centers:**

Low: 30, 40, 50, 100, 200, 300, 400Hz Low-Mid: 75, 150, 180, 240, 500, 700, 1Khz Mid-High: 800, 1.5K, 3K, 5K, 8K, 10K, 12.5K High: 2.5K, 5K, 7K, 10K, 12.5K, 15K, 20K

Filter Boost/Cut: +/- 12dB
Filter Slope: 12dB per Octave

**Input Impedance:** 18.5K +4 in, 7.5K -2 in **Output Impedance:** Less than 75 Ohms

Nominal Levels: -15 to +15dBu Clipping Level: +30dBu @ +/- 16V

Frequency Response: +0, -.3, 30 to 20kHz

Noise: Actual, unw noise, <-98 dBu, 20-20kHz

Distortion: .07% max, @ +18dBu Output

Connectors: 15 position .156 sp edge connector

Size: 1.50" X 5.25" X 6" Deep

Shipping/Actual Weight: 3lbs./2.5lbs.

Power Consumption: ±12/18 Volts/DC,@40 ma.

Rack Frame and Power Supply Options: Fits 500HPR (2 slot, internal power supply), 500-6B "Lunchbox" (6 slot with internal power supply), 500VPR (10 slot and requires API 200PS 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 internal

**Power Supply** 



500V 10 Slot Frame



L200PS Power Supply



Represented by:8301

### api audio products

8301 Patuxent Range Rd.
Jessup, MD 20794
Phone: (301) 776-7879
Fax: (301) 776-8117
Website: www.apiaudio.com