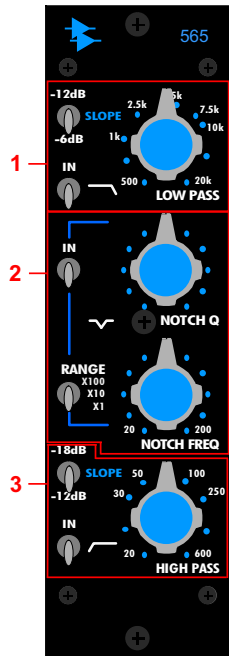




565 FILTER BANK USER GUIDE



The API 565 is an API 500-Series filter bank module that features circuits that are true to the musical filters of the 215 module found in large format API consoles. Like all other API products, the 505-DI exhibits the reliability, long life, and uniformity which is characteristic of all API products.

FEATURES:

1. Sweepable low-pass filter (500 Hz to 20 kHz) with -6 or -12 dB slope switch and bypass switch
2. Sweepable notch filter (20 Hz to 20 kHz) with adjustable Q value (0.95 to 15.3), 3-setting range switch and bypass switch
3. Sweepable high-pass filter (20 Hz to 600 Hz) with -12 or -18 dB slope switch and bypass switch

The API 512c also comes with API's unique Five Year Warranty.

Specifications

Number of Bands:	Three
Filter Types:	Sweepable shelf low pass Sweepable shelf high pass Adjustable active twin-T notch
Filter Frequencies:	Low pass: 500 Hz to 20 kHz High pass: 20 Hz to 600 Hz Notch: 20 Hz to 20 kHz (3 selectable ranges)
Notch Filter Q:	Variable from 0.95 to 15.3
Notch Filter Cut:	> 40 dB at minimum Q setting
Input Impedance:	> 20 kOhms, balanced
Output Impedance:	75 Ohms, transformer coupled, balanced
Nominal Levels:	-15 dBu to +15 dBu
Clipping Levels:	+28 dBu
Frequency Response:	+.2, -.4, 20 Hz to 20 kHz
THD+N:	0.02% (+4 dBu output @ 2 kHz)
Power Consumption:	± 16 VDC 90 mA at +24 dBu out
Connector:	15 position .156" sp. edge connector
Size:	1.5" X 5.25" X 6.75" deep