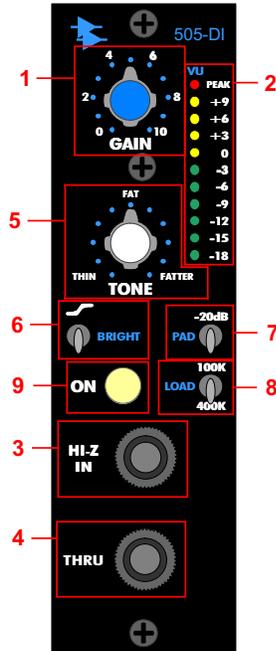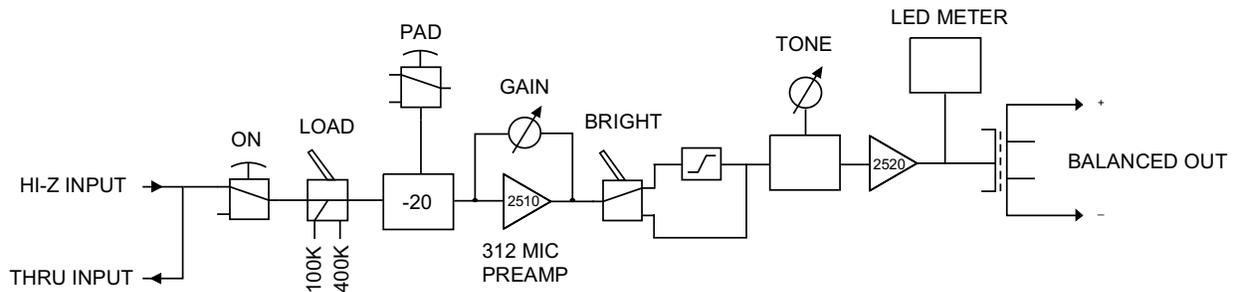# 505-DI DIRECT INPUT USER GUIDE

The API 505-DI is an API 500-Series module designed to accept a guitar, bass or keyboard direct input while minimizing loading effects on instrument pickups. The various tone controls on the module create a minimal signal path that can eliminate the need to use a standard direct box. Like all other API products, the 505-DI exhibits the reliability, long life, and uniformity.

FEATURES:

1. Wide range gain control with 55 dB of gain
2. LED VU meter for monitoring output level
3. Front panel Hi-Z 1/4 inch (instrument/line) input connection
4. Front panel 1/4 inch (instrument/line) thru routing
5. Adjustable tone control for customizing sound
6. Switch adds high shelf to boost clarity and presence
7. Pad switch reduces input signal by 20 dB
8. 100K / 400K load switch allows tone to be altered slightly: 100K - darkens high frequency content, 400K - brightens high frequency content
9. Switch turns output on/off

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

BLOCK DIAGRAM

Specifications

Number of Bands:	Two
Filter Type:	Passive shelf
Filter Frequencies:	Low: 150 Hz High: 8 kHz
Input Impedance:	> 380 kOhms, un-balanced
Output Impedance:	75 Ohms, transformer coupled, balanced
Nominal Levels:	-40 dBu to +20 dBu
Clipping Levels:	+30 dBu
Frequency Response:	0, -.4, 30 to 20 kHz
Noise:	98 dB below +10 dBm output, unweighted. 20 Hz to 20 kHz
Distortion:	THD: .01% (+4 dB @ 2 k)
Connector:	15 position .156" sp. edge connector
Power Consumption:	± 16 VDC 110 mA