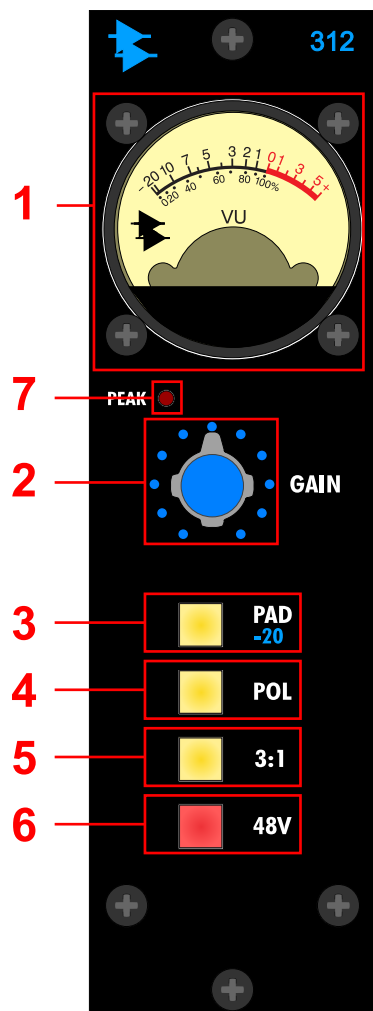




312 MIC PREAMP USER GUIDE



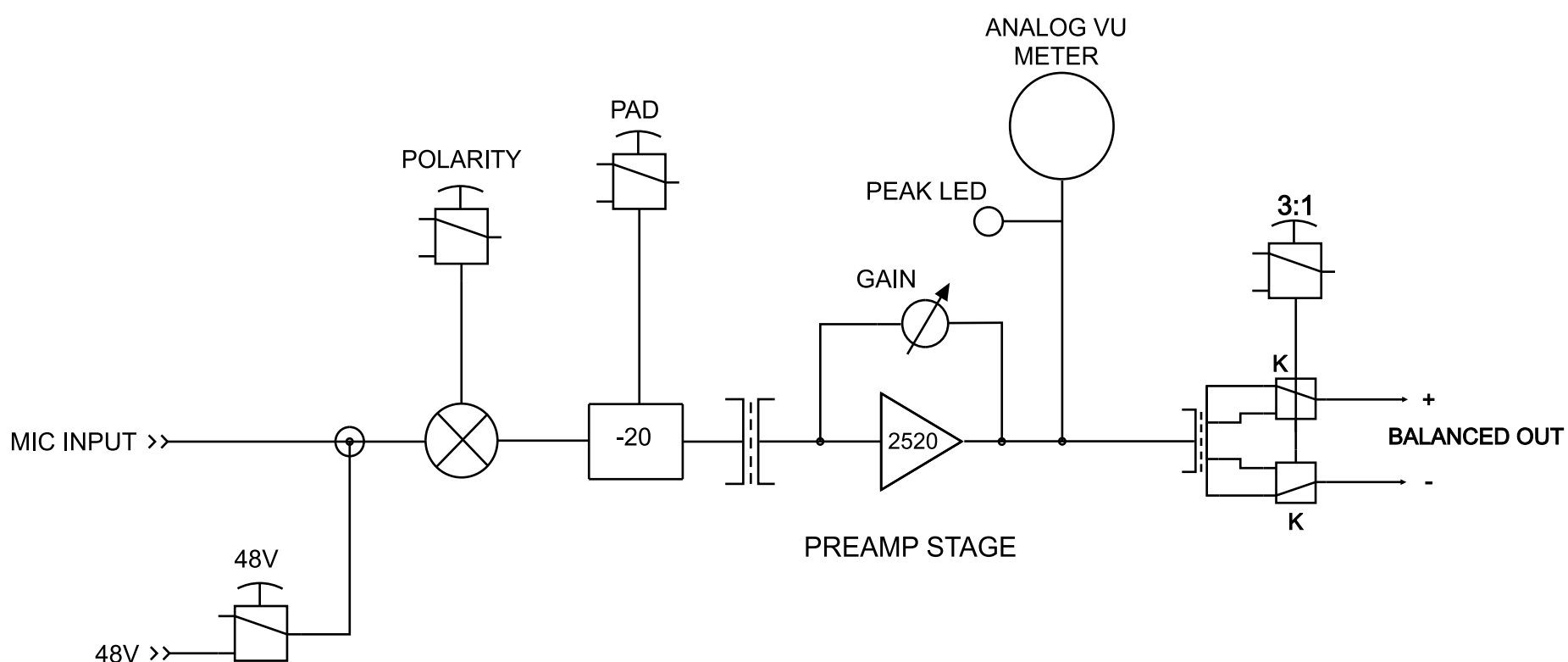
The API 312 is a faithful representation of the original 312 mic preamp used in API consoles from the 1970s into a 500 Series module format. With a PCB layout based on API founder Saul Walker's original 312 design, this modernized classic provides the API sound in a small package while exhibiting the reliability, long life, and uniformity that is characteristic of all other API products.

FEATURES:

1. Vintage style analog VU meter (0 VU = +4 dBu)
2. Gain control with adjustable range from +34 dB to +69 dB
3. Pad switch reduces signal level by 20 dB
4. Polarity switch reverses polarity of signal
5. 3:1 output transformer tap selector: when engaged - reduces output gain ratio from 1:3 to 1:1 (appx. 10 dB), when disengaged - output gain ratio 1:3
6. 48 V phantom power switch
7. LED indicator warns if input signal is clipping (+18 dBu)

The API 312 also comes with API's unique Five Year Warranty.

BLOCK DIAGRAM



Specifications

Gain Range:	+34 dB to +69 dB (+14 dB to +49 dB with pad)
Maximum Input Level:	-4 dBu (+16 dBu with pad)
Maximum Output Level:	+31 dBu
Peak LED:	Set to +18 dBu output level
Output Impedance:	Less than 75 Ohms, transformer balanced
Frequency Response:	±0.5 dB, 20 Hz to 40 kHz
Signal to Noise Ratio:	120 dB
Connections:	15 position .156" sp. edge connector
Power Consumption:	± 16 Volts/DC @ 55 mA
Size:	1.5" X 5.25" X 6.75" deep
Weight:	1.5 lbs