

3124V DISCRETE 4-CHANNEL MIC/LINE PRE-AMP USER GUIDE

The API 3124V is a compact, high-quality 4-channel preamplifier. It artfully combines API's proprietary transformers and the 2520 op-amp, creating a module that delivers the classic API sound while exhibiting the reliability, long life, and uniformity which is characteristic of all API products.

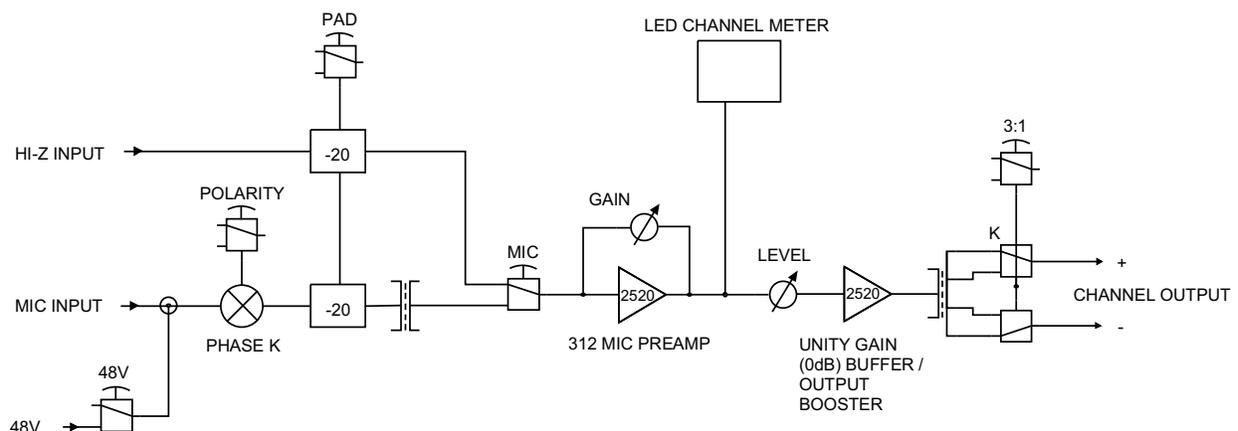


FEATURES:

1. Front panel Hi-Z 1/4 inch (line/instrument) input, rear panel XLR (mic) input and output
2. Variable output level control knob (full clockwise rotation = unity gain)
3. Gain control: Mic preamp with gain range +34 dB to +65 dB, line/instrument preamp with gain range +14 dB to +45 dB
4. LED VU meter for monitoring output level
5. Polarity switch inverts polarity of mic input signal
6. 48V phantom switchable power
7. Pad switch (applies to XLR [mic] and Hi-Z 1/4 inch [line/instrument]) reduces input signal by 20 dB
8. Switchable input selector: when engaged - XLR (mic) input active, when disengaged - Hi-Z 1/4 inch (instrument/line) input active
9. 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

The API 3124V also comes with API's unique Five Year Warranty.

BLOCK DIAGRAM



Specifications

Input Impedance:	Mic: 1500 Ohms Hi-Z: 470 kOhms unbalanced
Output Impedance:	Less than 75 Ohms on channel outputs
Nominal Levels:	XLR channel output: +4 dBu
Frequency Response:	+0, -0.5, 10 Hz to 20 kHz (-0.5 at 10 Hz)
Noise EIN:	Mic: -129 Hi-Z actual: -125
Distortion:	All outputs at +4 dBu out, 0.03% at +22 dBu, 0.09% max
Gain Range:	150 Ohms input 10 dB min., 65 dB max (inc. pad). Unbalanced input 14 dB min., 50 dB max
VU Meter:	Calibrated for XLR outputs, OVU = +4 dBu
Controls:	GAIN, PAD (20 dB), 48 Volts, POL (polarity), MIC (mic/unbalanced), VU, AC
Power Consumption, Quiescent:	19.2 Watts
Size:	19" X 1.75" (1U) X 11" deep
Size (Boxed for Shipping):	23.25" X 6.5" X 16.5"
Actual Weight:	10.38 lbs.
Shipping Weight:	14.06 lbs.