



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.

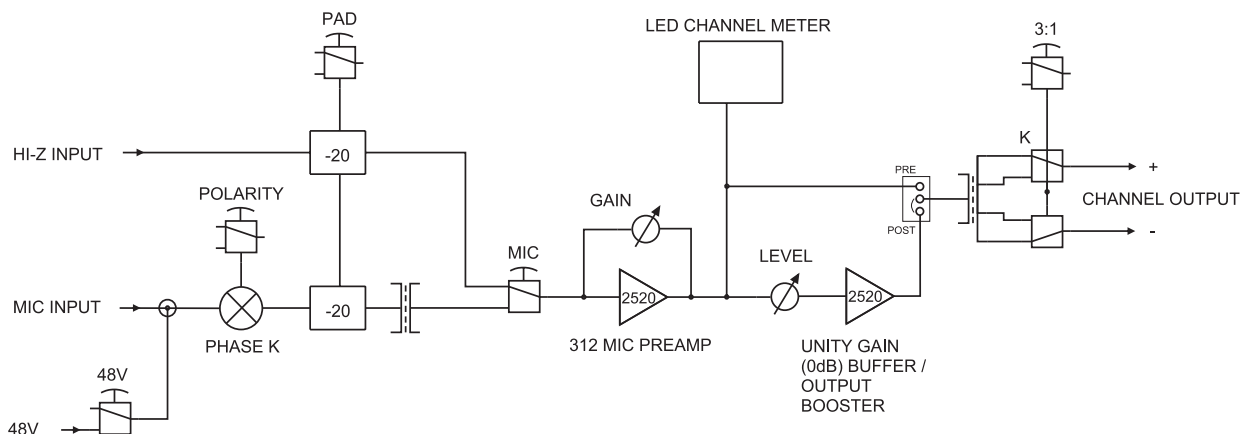


FEATURES:

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 -5 dB min., 50 dB max (inc. pad) |
| 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. |