



RIBBONMICS & PREAMPS | since 1964

www.ribbonmics.com | tel: +1-626-798-9128 | fax: +1-626-798-2378



AEA RPQ2 HIGH-RESOLUTION, 2-CHANNEL, RACK PREAMP WITH EQ & DI

{ THE VERSATILE MIC PRE² }

- Two channels with 81dB of sweet, quiet JFET gain for all mics.
- Super high input impedance of 63K Ohms (with P48 disengaged).
- High frequency CurveShaper™ EQ and low frequency proximity control.
- High-resolution, high-impedance front-panel 1/4" Direct Inputs.
- Mic/Line mode with Post-Mic and Pre-EQ Inserts for alternative routing options.
- Excels with ribbons mics, shines on condensers and moving-coil dynamics.
- 100% handcrafted in Pasadena, CA.

{ HOW IS THE RPQ2 DIFFERENT FROM OTHER PREAMPS? }

The AEA RPQ2 preamp was designed to allow your microphones to do what they do best – record the sound of your instrument in its full glory. The RPQ2 leans on the side of neutral but is unlike other clean preamps because of its rich and musical tonality. With a massive 81dB of sweet JFET gain, few preamps rival its output combined with its signal to noise ratio. With P48 disengaged, the RPQ2 has a high input impedance at 63K Ohms which means the preamp won't load down a mic and change its sound. With the final touch of the unique LF and HF CurveShaper™ EQ, the RPQ2 gives you the tools to shape your tone right at the start of the signal path.

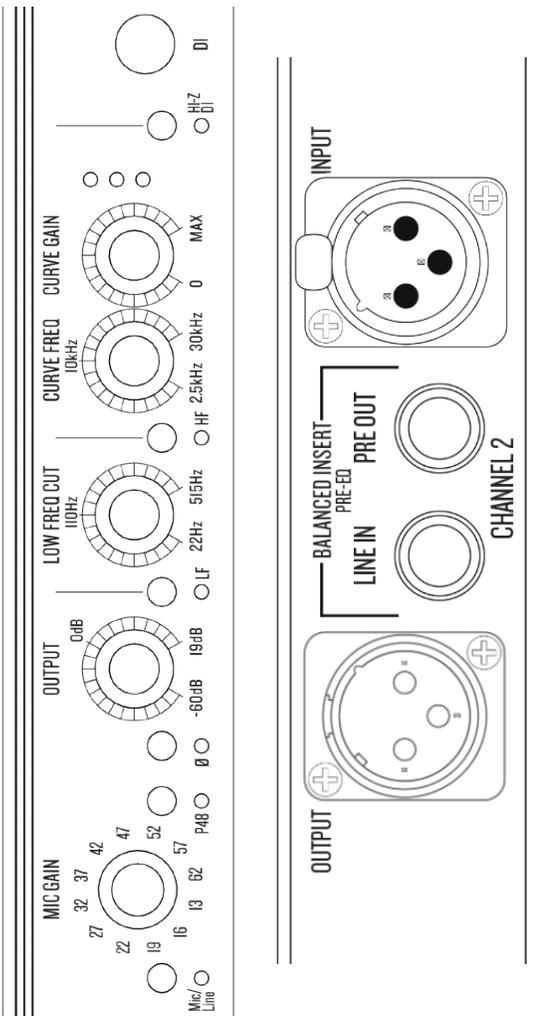
{ THE SOUND AT YOUR FINGERTIPS }

Many mixing and mastering engineers turn to the RPQ2 purely for its post-processing EQ and routing functionality. The RPQ2 provides a secondary line level balanced output for sending an additional line signal to a separate recording device or mixer. In Line Mode, the preamp and EQ section become two independent units with separate inputs and outputs. This allows you to insert compressors or other effects between the preamp and CurveShaper™ EQ section.

{ ABOUT THE AEA PREAMPS }

Choosing the right preamp to pair with a mic is as critical as choosing which mic to use. We at AEA take sonic integrity seriously and have created preamps that were specially designed to meet the particular challenges of ribbon mics and bring out their full potential. Building on the obstacles identified when creating preamps in the 50's, we now use tools like quiet JFETS and transformer-less designs to construct high gain, high impedance preamps. Engineers have discovered that our preamps also complement their moving coil and condenser microphones. Like our Big Ribbons™, we created our preamps to have a natural and musical tonality.

"AEA's RPQ2 gives me the high gain, high impedance tool that I need to open up the sound of my favorite ribbon mics with the added bonus of low noise and easy tonal control. Whether recording large string sections for television or intimate vocals for a record, my ribbon mic's have never sounded better!" James Sáez (Social Distortion, Jerry Lee Lewis)



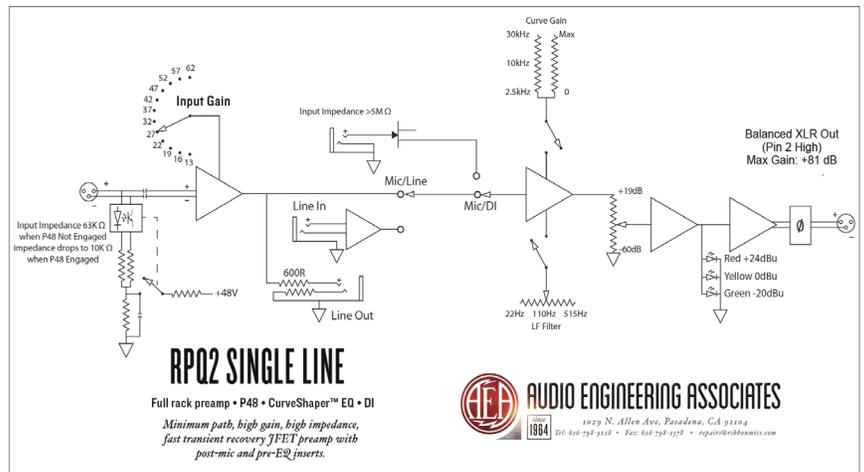
AEA RPQ2 Front and Back Panel - One Channel

SPECIFICATIONS

Gain at 1kHz:	81 dB of gain at 1kHz, balanced-in to balanced-out in Microphone Input mode
Noise figure, rms A-weighted:	<2dB
Noise figure, rms unweighted:	<3dB, 20 kHz LPF bandwidth
EIN:	<-130 dBu A-weighted, 150 Ohm resistive source
Frequency Response:	-3dB <1Hz and >100 kHz
THD:	<0.02% at 1 kHz
Input Impedance:	63K Ohms
Input Impedance (P48 Engaged):	10K Ohms
Line Input Impedance:	18K Ohms
Hi-Z Input Impedance:	>5M Ohms
Mic Gain Control:	Twelve-position switch provides from +13dB to +62dB of gain for the preamplifier circuit, as measured between the input and the before the output line driver.
Switched LF Shelving filter:	-3dB break-frequency tunable from 22 Hz to 515 Hz; maximum reduction -20dB
Switched CurveShaper™ EQ:	+3dB break-frequency tunable from 2.1 kHz to 26 kHz; HF gain adjustable from +0dB to +20dB; the slope of the HF filter varies interactively and directly with the CurveShaper™ frequency and gain settings.
XLR output maximum level into 600Ω load:	+28 dBu, balanced; 0 dBu = 0.7746 V rms
XLR connectors polarity:	Pin-1 is ground, pin-2 is high, pin-3 is low
LED signal level indicators:	The green LED snaps on at -20 dBu to indicate the presence of signal; the yellow LED snaps on at 0 dBu; the red LED snaps on at +24 dBu to warn of approaching signal overload.
Dimensions:	1U, Full-rack measured with knobs and switches: 19" w, 9" d, 1.75" h (48.5 cm x 23 cm x 4.45 cm)
Weight:	4lb 5oz (~ 2 kg)

Limited Warranty:
 One year parts and labor, shipping not included.
 Extended to three years if product is registered with AEA. Register your AEA equipment online at <http://bit.ly/aeawarranty>.

For more information contact:



AEA RPQ2 Single Line Diagram - One Channel

