

AEA RPQ500

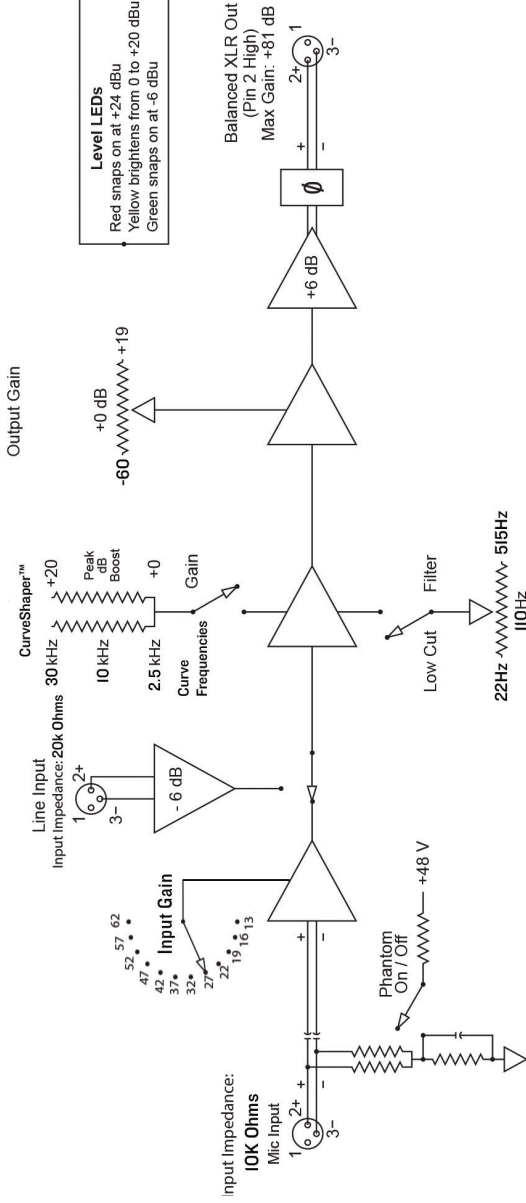
SPECIFICATIONS



500 SERIES RIBBON PREAMP WITH EQ

SPECIFICATIONS

Gain at 1kHz:	81dB 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
DC Current Draw:	130 mA
Frequency Response:	-3dB <1Hz and >100 kHz
THD:	<0.02% at 1 kHz
Input Impedance:	10K Ohms
Line Input Impedance:	20K Ohms
Mic Gain Control:	Twelve-position switch provides from +13dB to +62dB of gain for the pre-amplifier 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 2.5 kHz to 30 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:	
XLR connectors polarity:	+28 dBu, balanced; 0 dBu = 0.7746 V rms.
LED signal level indicators:	Pin-1 is ground, pin-2 is high, pin-3 is low. 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.
External Features:	
Dimensions:	Silk screened front panel markings. Grayhill series 71 stepped gain switch.
Weight:	0.125" anodized aluminum front panel measured with knobs and switches: 1.5" w, 6.8" d, 4.5" h (3.8cm x 17.27cm x 11.43cm) 11.7oz (~0.33 kg)



RPO500 SINGLE LINE

500 series preamp • P48 • CurveShaper™ EQ
 Minimum path, high gain, high impedance,
 fast transient recovery JFET preamp



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Since 1984

RPO500 Single Line Drawing



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