ROLLS

PRESS RELEASE
JULY 22 2009

As of July 22 we are shipping the new RPQ160b.

RPQ160b

SPECIFICATIONS

CONTROLS MAIN SECTION

Master Level:	-12 to +12 dB
Low Shelf:	16 to 500 Hz High-pass filter
High Shelf:	1 to 30 kHz Low-pass filter
Active Switch:	Activates/bypasses equalization circuitry

CONTROLS FREQUENCY SECTIONS

Frequency Controls:	70Hz to 1.5khz 150Hz to 3kHz 300Hz to 10kHz 600Hz to 20kHz
Width:	.3 to 3 Octaves each band
Level:	-15 to +15 dB each band

Frequency Response:	16 Hz to 30 kHz +/-3 dB
THD:	<.03%
S/N Ratio:	>90 dB
Max Input:	+22 dB
Max Output:	+22 dB
Input Impedance:	10KΩ (20K balanced)
Output Impedance:	50Ω
Shelving Slope:	12 dB / Octave
Size:	19" x 4" x 1.75"
Weight:	4 lbs.

Description:

LOW SHELF: High Pass Filter control; adjusts the amount of low frequency rolloff from 500 Hz down to 16Hz for the entire output of the RPQ160.
HIGH SHELF: Low Pass Filter control; adjusts the amount of high frequency rolloff from 1 kHz up to 20 kHz for the entire output of the RPQ160.
NOTE: THERE IS NO BYPASS SWITCH FOR THE LOW OR HIGH SHELF FILTERS - SIMPLY TURN THE LOW SHELF COMPLETELY COUNTERCLOCK-WISE, AND THE HIGH SHELF COMPLETELY CLOCKWISE TO BYPASS THESE CIRCUITS.
LEVEL: Adjusts the overall signal level of the RPQ160.

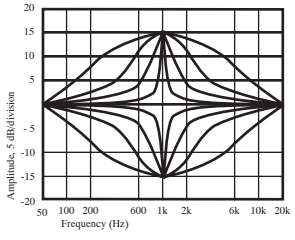
NOTE: The following three descriptions are identical for all four bands of equalization.
FREQUENCY: Selects the frequency to be boost or cut. The band frequency ranges are listed below:

Band 1:	70 Hz to 1.5 kHz
Band 2:	150 Hz to 3 kHz
Band 3:	300 Hz to 10 kHz
Band 4:	600 Hz to 20 kHz

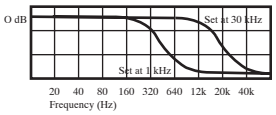
WIDTH: (Q): Varies the shape or width of the equalization being boost or cut from .3 to 3 octaves wide.
LEVEL: Boosts or cuts the signal of the indicated band from -15 to +15 dB.
Power Switch: Applies power to the RPQ160 when the unit is connected to a properly grounded ac outlet. The Power LED will light when the RPQ160 is on.

Rolls PS12 power supply is included with the REQ160b

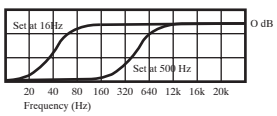
The shape is most narrow when the OCT control is set at .3, and is widest at the 3 setting.



The High Shelf Sweep Diagram shows the response curve of the High Self filter at its minimum and maximum setting.



HIGH SHELF SWEEP DIAGRAM



LOW SHELF SWEEP DIAGRAM

MADE IN USA