



Harrison 32EQ

The Harrison 32EQ is a parametric, four band equalizer of proprietary design with a design history going back to the highly respected Harrison Consoles. This 500 series module also includes the parametric, second order high-pass and low-pass filters made famous in the 32 series consoles.

The proprietary design of the equalization stages allows full reciprocal operation of the boost/cut controls both as to frequency and to phase response. Special circuitry automatically adjusts the effective bandwidth under all conditions. Continuously variable frequency selection and boost or cut amount provides proper equalization for almost any desired effect.

The high band “HI” extends from 800 Hz to 16 kHz. The two mid-ranges “MID” are overlapping; one extends from 400 Hz to 8 kHz while the other goes from 200 Hz to 4 kHz. The low range “LO” covers 40 Hz to 800 Hz. Additionally, the low and high ranges are selectable to be either shelving or peaking. The mid-ranges are peaking. There is an in/out “IN” switch for the four bands of boost/cut equalization.

The parametric high-pass and low-pass filters have 12dB per octave cut off characteristics. They are of an all electronic design, and contain no inductors. The high-pass filter has a range of 25 Hz to 2.75 kHz and the low-pass filter extends from 160 Hz to 20 kHz. Continuously variable “HP” and “LP” controls allow both subtle corrections as well as special effects. There is a separate “in” switch for the filters so that they can be inserted into the signal path independently of the equalizer.

The equalizer is a unity gain design, delivering excellent noise and headroom performance.

