

XQP 531 Optical De-esser

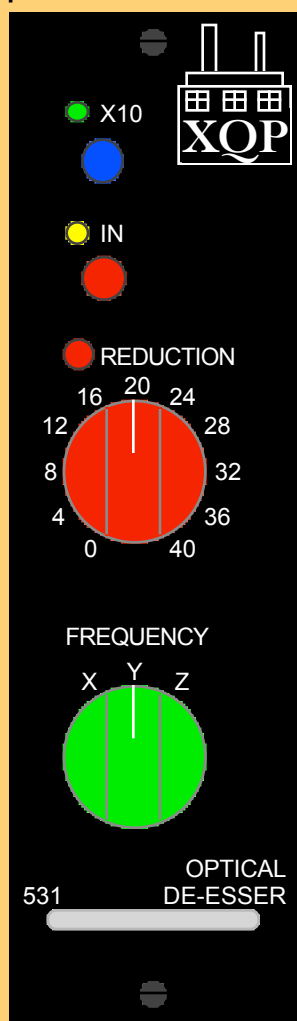
500 Series VPR Module

The XQP 531 Optical De-esser provides smooth, non-destructive de-essing in the convenient VPR format. Dual VACTROL optoisolators insure consistent optical gain reduction when sibilance is present. The 531's sidechain utilizes a high pass filter with three selectable corner frequencies (rather than a narrow bandpass filter), so sibilance occurring at different frequency points can be effectively reduced.

The 531 is built with high-quality Analog Devices opamps in the signal path.

The XQP 531 is a recreation of the original Dane Optical De-esser #31 designed and manufactured in the 1990's.

Minor circuitry adjustments have been made to enhance stability and consistency.



X10 switch

Increases sidechain sensitivity by 10
Green LED indicates X10

IN switch

Silently activates de-essing
Yellow LED indicates IN

REDUCTION potentiometer

Adjusts the amount of sibilance reduction
Red LED lights with de-essing action

FREQUENCY switch

Provides 3 corner frequency choices
for the sidechain's high pass filter



SPECIFICATIONS

Input impedance: 43K Ω balanced
Output impedance: 50 Ω balanced
Frequency response: 4Hz - 90KHz (-3dB)
Max. output level: 22dBu
THD: <0.002% @ 1KHz
Noise: -80dBm, unweighted
Attack time: 10msec.
Release time: 18msec.
Current requirement: 86mA @ \pm 16VDC



XQP

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