

XQP 545 Optical Disrupter

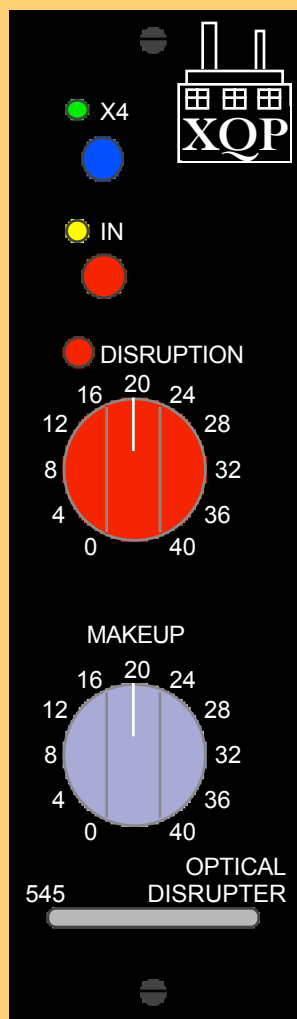
500 Series VPR Module

The XQP 545 Optical Disrupter provides compression that creates an asymmetrical waveform. The result is smooth, second-order harmonic distortion with no harsh clipping of the waveform.

The 545 is built with high-quality Analog Devices opamps in the signal path.

The XQP 545 is a not so distant cousin of the XQP 531 Optical De-esser.

Both utilize dual VACTROL® optoisolators for gain reduction.



X4 switch

Increases sidechain sensitivity by 4
Green LED indicates X4

IN switch

Silently activates disruption
Yellow LED indicates IN

DISRUPTION potentiometer

Adjusts the amount of disruption
Red LED lights with disrupting action

MAKEUP potentiometer

Allows restoration of gain lost to compression



SPECIFICATIONS

Input impedance:	43K Ω balanced
Output impedance:	50 Ω balanced
Frequency response:	4Hz - 55KHz (-3dB)
Max. output level:	22dBu
THD in bypass:	<0.002% @ 1KHz
Noise:	-80dBm, unweighted
Attack time:	10msec.
Release time:	18msec.
Max gain reduction:	<20dB
Current requirement:	170mA @ \pm 16VDC



XQP

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