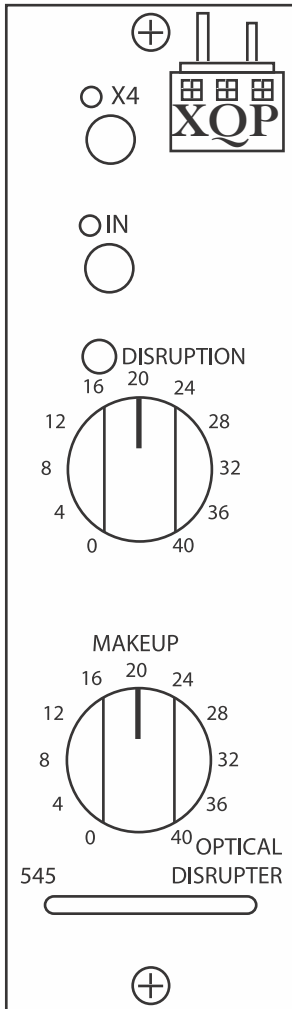




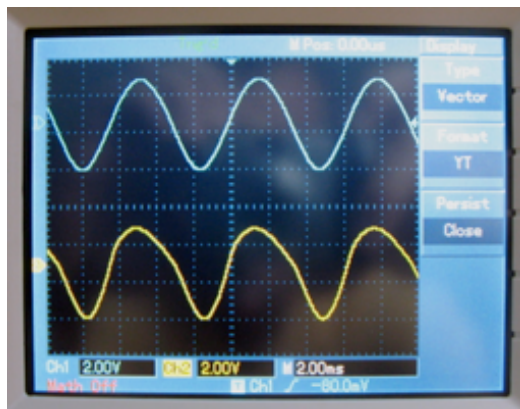
XQP 545 Optical Disrupter

Data sheet 1.3



The 545 Optical Disrupter is an optical compressor which creates an asymmetrical waveform as it compresses low frequencies. The result is smooth second-order harmonic distortion without clipping and the consequent harshness.

Whereas the entire signal is compressed, the top half of the waveform slopes as compression is increased. Compression occurs, but distortion is the primary function. Consequently the expense of a gain reduction meter has been omitted, and a simple LED shows the action by glowing brighter as disruption increases. Simply apply the amount of distortion desired and consider compression the natural by-product.



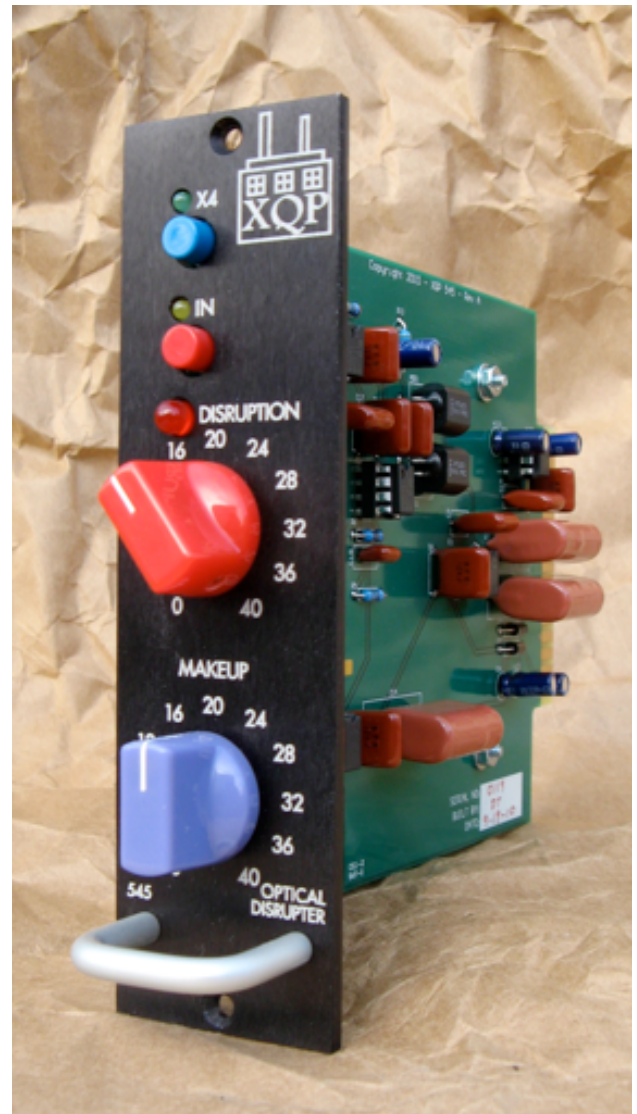
Disruption shown in bottom waveform.

The XQP 545 conforms to API's 500-series specifications and has been approved by the VPR



XQP products are built in the USA and warrented for ten years.

www.xqpaudio.com



PINOUT

1. Chassis
2. + Output
- 3.
4. - Output
5. Audio Common
- 6.
- 7.
8. - Input
- 9.
10. + Input
- 11.
12. + 16 VDC
13. Power Ground
14. - 16 VDC
- 15.

SPECIFICATIONS

- Input impedance: 43kΩ balanced
- Output impedance: 50Ω balanced
- Frequency response: 4 - 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 @ +/- 16v