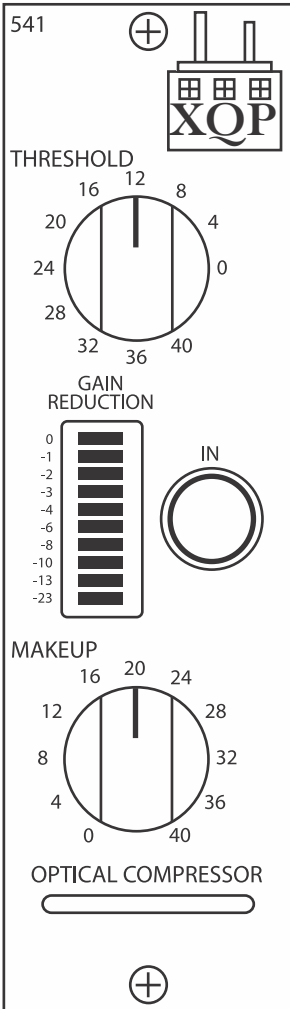




# XQP 541 Optical Compressor



The 541 Optical Compressor is a 500-series feedback style compressor, designed for smooth, unobtrusive gain reduction. The 541 utilizes a pair of Silonex optocouplers - one for gain reduction and one for subtractive metering.

The 541's control set is minimal, including a ten-segment LED gain reduction meter, a threshold control operating in the dbx-style counter-clockwise direction with a very arbitrary orientation, and makeup gain.

There is also a very big yellow lighted IN switch which controls relay bypassing.

An internal DIP switch selects linking of two or more units.

The XQP 541 conforms to API's 500-series specifications and has been approved by the VPR Alliance.



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

[www.xqpaudio.net](http://www.xqpaudio.net)



## SPECIFICATIONS

- Input impedance: 43kΩ balanced
- Output impedance: 50Ω balanced
- Frequency response: 4 - 85kHz (-3dB)
- Max. output level: 22dBu
- THD (no gain reduction): <0.002% @ 1kHz
- Noise: -80dBm, unweighted
- Attack time: 30mSec.
- Release time: 200mSec.
- Compression ratio: 3:1
- Current requirement: 100mA @ +/- 16v

## PINOUT

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