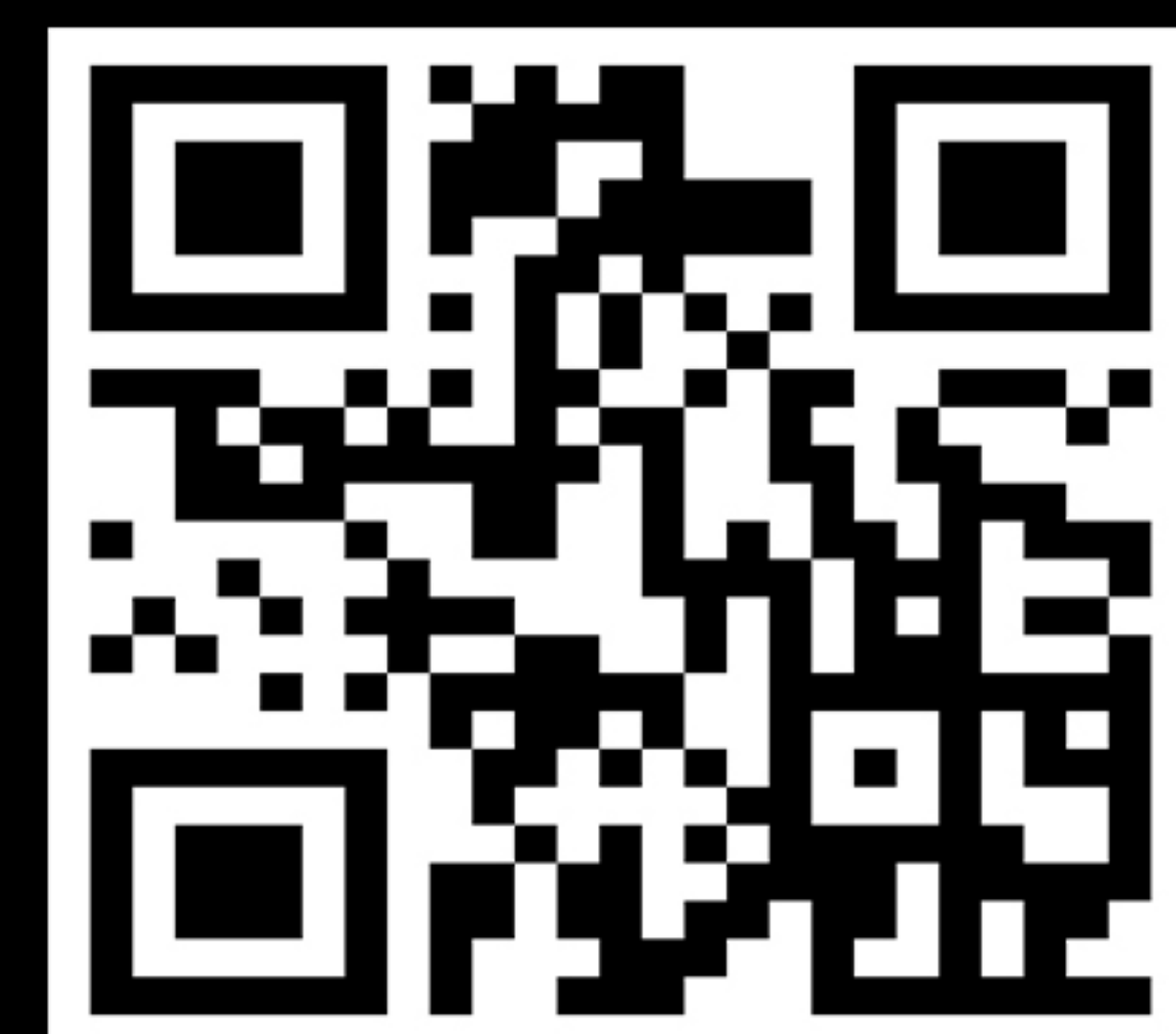


# Max Effect EA 4.8



## Features

- Very intuitive, easy-to-use Front Panel Parameter Control
- Single rack space with XLR audio connections
- Crossover, EQ, delay and limiter functions
- Inputs assignable to any output
- Front panel or PC programming and control with 4 levels of security
- USB and RS-232 interface; 6' USB-A to USB-B cable included
- Third-party control friendly
- Balanced inputs and outputs
- Parametric filters and comp/limiter controls feedback
- SLinkwitz-Riley, Bessel and Butterworth filters
- 12, 18, 24 and 48dB/octave slopes
- Parametric EQ: 1/64th to 4-octave range
- 682ms input and output delay (1,364ms total)
- Limiter on each output
- Individual input and output metering
- Safety/Compliance: CE, FCC, RoHS



# Max Effect EA 4.8



## Specification

- Input Active Balanced, 18k Ohms
- Input Level +20dBu (Max)
- Input Gain Range -40dB—+12dB
- Output Active Balanced, 112 Ohms
- Output Level +20dBu (Max)
- Output Gain Range -40dB—+12dB

## Weight, Dimensions & Power

- Unit Weight SP3.6: 7lbs (9.54kg) SP4.8: 7.3lbs (3.3kg)
- Input Level +20dBu (Max)
- Input Gain Range -40dB—+12dB
- Output Active Balanced, 112 Ohms
- Output Level +20dBu (Max)
- Output Gain Range -40dB—+12dB

## Equalizer

- EQ Filter Types 1st or 2nd Order High or Low Shelf, Parametric
- Shelving Filter Boost/Cut Range  $\pm 15$ dB
- Shelving Filter, Frequency Range Low Shelf: 19.7Hz–2kHz, High Shelf: 3.8kHz–21.9kHz
- Parametric Filter Boost/Cut Range +15dB/-30dB
- Parametric Filter Frequency Range 19.7Hz–21.9kHz, 1/24 Octave Steps
- Parametric Filter Bandwidth Four Octaves to 1/64 Octave

## Delay

- Input/Output Delay 0–682ms

# Max Effect EA 4.8



## Crossover

- HPF/LPF Frequency Range 19.7Hz—21.9kHz, Off  
12dB/Oct Butterworth, 12dB/Oct Bessel,  
12dB/Oct Linkwitz-Riley  
18dB/Oct Bessel, 18dB/Oct Linkwitz-Riley
- Available Filter Types 24dB/Oct Butterworth, 24dB/Oct Bessel  
24dB/Oct Linkwitz-Riley  
48dB/Oct Butterworth, 48dB/Oct Bessel  
48dB/Oct Linkwitz-Riley

## Limiter

- Threshold Range -20dBu—+20dBu
- Ratio Range 1.2:1 to ∞:1
- Attack Time Range 0.5ms—50ms
- Release Time Range 10ms—1Sec
- Frequency Response 20Hz—20kHz, ±0.25dB
- THD <0.01% @ 1kHz, +20dBu
- Dynamic Range >110dB, 20Hz—20kHz unweighted
- Audio Sampling Rate 48kHz
- Propagation Delay 1.46ms

## Signal LEDs (dBu or VU)

- Inputs -20/Mute, -10, 0, +10, Clip
- Outputs -20/Mute, -10, 0, Limit Threshold, Clip