

# Bettermaker PEQ\_core

Stereo / Dual Mono Passive Equalizer with Digital Recall

Brand-new addition to the passive line of legendary Bettermaker equalizers. Features a new dedicated plugin for digital recall, input and output metering, fast snapshots, and automation. Thanks to a new 1U design, the unit is stackable for Multi Bus environments.



- stereo / dual mono operation
- 100% analog audio signal path
- extended hi-boost section (air bands: 20 and 28 kHz)
- adjustable output level (+/- 8dB)
- new dedicated plugin with input and output metering section
- band audition for precise adjustment
- mastering grade HPF and LPF digital filters available from plugin
- all parameters are digitally controlled by DAW (with dedicated plugin)
- instant recall of all parameters
- rapid, precise and repeatable adjustments
- precisely linked stereo operation with the ease of a single control
- dual mono operation for individual channel processing
- DAW automation and recall of all available parameters
- fast snapshots
- USB connectivity with MAC/PC

## Technical specification (all filters enabled, set flat):

Maximum input level: +24 dBu (balanced with 48k $\Omega$  input impedance)  
Maximum output level: +27 dBu (balanced with 50 $\Omega$  + 50 $\Omega$  output impedance)  
Nominal audio level: +4 dBu  
Frequency response: 7 Hz – 30kHz (-0.5 dB, ISO-R40 sweep)  
Frequency flatness: +/- 0.2 dB (20Hz – 20kHz, ISO-R40 sweep)  
Dynamic range: 101 dB (20kHz bandwidth, +24dBu)  
THD+N ratio: 0.009 % (20kHz bandwidth, +4dBu, 1kHz)  
THD ratio: 0.0025 % (+4dBu, 1kHz)  
CMRR: > 70dB (20Hz – 20kHz, IEC 60268-3)  
Crosstalk: > 88dB (20Hz – 20kHz, +18dBu, channel to channel)  
Max LF boost: 15 dB (set to 100 Hz)  
Max LF cut: 16 dB (set to 100 Hz)  
Max HF boost: 18 dB (all frequencies)  
Low boost/cut frequencies: 20, 30, 60, 100 Hz  
High boost frequencies: 3, 4, 5, 6, 8, 10, 12, 16, 20, 28 kHz  
High cut frequencies: 5, 10, 20 kHz  
Output gain: +/- 8 dB (0.1 dB resolution)