

## Bettermaker Mastering Compressor:

- advanced analog VCA compressor with PEAK or RMS detection and switchable forward/backward feed
- all parameters are digitally controlled via front panel and/or DAW (with dedicated plugin)
- stereo, dual-mono and mid/side operation modes with with focus and sidechain preview function
- our famous BM, SG and DX modes
- adjustable 15 - 30 Hz high pass filter at the compressor input
- dry/wet MIX control for parallel compression
- HPF, LPF and fully configurable parametric filter in sidechain with option of hardware insert
- adjustable drive (for odd/even clipper) and THD function for harmonically rich sound
- Range Setting - limit the maximum amount of gain reduction!
- on-board measurement of PEAK/RMS levels
- 100% analog audio signal path
- total recall and A/B comparison
- five inch capacitive touchscreen with backlight
- USB connectivity with MAC/PC

Threshold	-35dB / +5dB (40dB range)
Attack	0.1 – 250 ms
Release	10 – 2000 ms
Ratio	Variable 0.7:1 – 10:1
Knee	Variable 0 – 20dB
Output	-5dB to +15dB
Width (in M/S)	-8dB to +8dB
Range	Variable 0.1dB – 20dB / off
HPF24	Off/15/20/25/30 Hz
THD + DRIVE	off/odd/even
Sidechain HPF	off – 370Hz
Sidechain LPF	2k – 18k / off
SC MF gain	+/- 15dB
SC MF freq	0.5 – 10kHz
SC MF Q	0.2 – 8
Sidechain Feed	Forward/Backward
Sidechain Type	RMS/PEAK

## Technical specification (may change without notice):

- Frequency response 10Hz to 22kHz (+/- 0.2 dB)
- Dynamic range: 106dB (+23dBu, 22kHz BW)
- S/N ratio: 87dB (A-weighted, +4dBu, 22kHz BW, unity gain)
- Crosstalk: -83dB @ 1kHz, +18dBu, channel-to-channel
- CMRR: max 85 dB @ 3 kHz, min 52 dB @ 20Hz, 20 kHz BW
- THD: 2<sup>nd</sup>: < 0.06%, 3<sup>rd</sup>: < 0.01%; 4<sup>th</sup>: < 0.006%;  
(+4 dBu, 20-20 kHz, unity gain, THD and CLIP disabled)
- balanced stereo input (XLR), 23dBu max input level (THD < 0.2%)
- balanced stereo output (XLR), 23dBu max output level (THD < 0.2% into >2kohm)
- Input impedance (differential): 48k $\Omega$  (for balanced signal)
- Output Impedance: 50 $\Omega$  + 50 $\Omega$  (electronically balanced)
  
- 2U enclosure, 230mm deep (Mastering Compressor)
- 1U enclosure, 230mm deep (Bus Compressor)
- universal 100 - 240V power supply designed by Bettermaker
- Maximum power consumption: 25W
- Shipping weight: 5.5 kg (Mastering Compressor), 5 kg (Bus Compressor)

## Bettermaker Mastering Compressor Signal Flow Diagram

