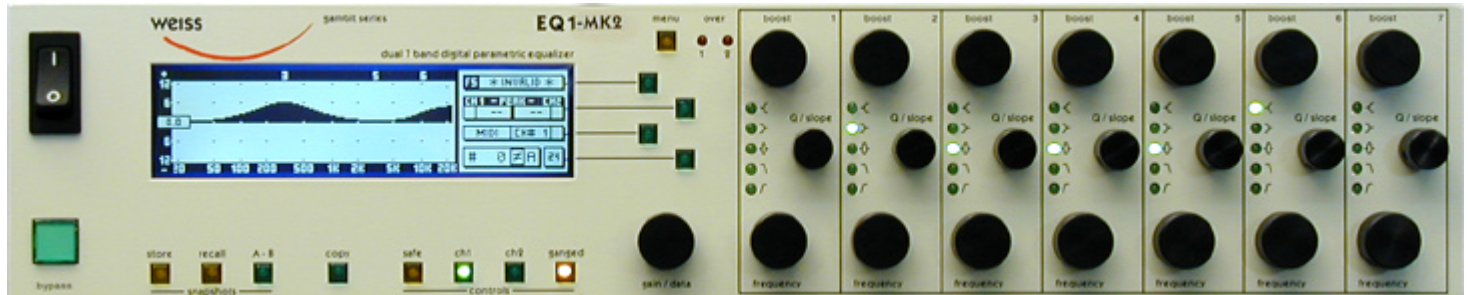


gambit series EQ1-MK2

dual seven band digital parametric equalizer, 24Bit / 96kHz



The Weiss Gambit Series EQ1-MK2

Adding to the high resolution 24bit / 96kHz processing, the EQ1-MK2 now features a widely extended parameter set. The Q reaches from a near whole-bandwidth-covering 0.2 to a needle-like 650 in 128 steps, allowing everything from subtle sound colouring to notch filter tone removal. The boost varies in 0.1 dB steps from -39dB (for notching) to +18dB. To compensate for the extremely accurate notch filter type, the frequency resolution has been doubled, now running from 14Hz to 21kHz in 12th octave steps plus including special notch frequencies such as 50 and 60 Hz and their harmonics.

As of software version 4.1, a "shape" parameter is applicable to shelving filters, which has a similar effect like Q for peaking filters. Also included is a completely new mode of operation where equalization is done in the M/S domain.

This wealth of innovative features and its unique sound put the EQ1-MK2 at the very top of equalizer tools, conferring ultimate control over spectral content of the programme to the sound engineer.

For further information see the back of this brochure as well as the basic EQ1 leaflet.

"I love our Weiss EQ1. This would be my first choice if I had to use only one eq. And the M/S mode in the new software version is very-very useful."

**Chris Hatzistamou,
Athens Mastering**

"The Weiss' EQ1 ergonomics, repeatability, memories, sound and power are unbeatable."

**Bob Katz,
Digital Domain**

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EQ1-MK2

Audio Processing

- Seven bands per channel, each band switchable to either peaking, shelving or cut filter, or bypass.
- 24bit single-wire hi-speed AES/EBU interfaces for signals up to 96kHz sampling rate
- Internal processing at 96kHz, 40bit floating-point.
- Output 24bit, can be dithered to 16 or 20bit.
- Audio optimized filter architecture

Display

- Double logarithmic graph of the magnitude function of the equalizer calculated in real time
- Status display showing sampling frequency, channel status data handling, current workspace and snapshot number and a resettable peak-hold and over-hold per channel
- Band display (activated by touch) showing boost, Q/ slope and frequency settings for each band
- Two over-LED's with settable number of consecutive over-samples which cause an "over" display combined with an over-hold function

Snapshots

- 3 x 128 non-volatile snapshots where all parameters are stored
- A-B workspaces for quick comparison between two settings

Remote Control

- Supports MIDI, RS-232 and RS-422 protocols
- Standard MIDI Continuous Controllers for parameter remote control (including overall gain)
- Snapshot automatization with MIDI Program Change Commands
- MIDI Dump of Snapshots

Parameter Table

Frequencies (in Hertz):

13.8, 15.4, 17.3, 19.4, 21.8, 24.5, 27.5, 30.9, 34.6, 38.9, 43.7, 49.0, 50.0, 51.9, 55.0, 58.3, 60.0, 61.7, 65.4, 69.3, 73.4, 77.8, 82.4, 87.3, 92.5, 98.0, 100, 104, 110, 117, 120, 123, 131, 139, 147, 150, 156, 165, 175, 180, 185, 196, 200, 208, 220, 233, 240, 247, 250, 262, 277, 294, 300, 311, 330, 349, 360, 370, 392, 415, 440, 466, 494, 523, 554, 587, 622, 659, 698, 740, 784, 831, 880, 932, 988, 1047, 1109, 1175, 1245, 1319, 1397, 1480, 1568, 1661, 1760, 1865, 1976, 2093, 2217, 2349, 2489, 2637, 2794, 2960, 3136, 3322, 3520, 3729, 3951, 4186, 4435, 4699, 4978, 5274, 5588, 5920, 6272, 6645, 7040, 7459, 7902, 8372, 8870, 9397, 9956, 10548, 11175, 11840, 12544, 13290, 14080, 14917, 15804, 16744, 17740, 18795, 19912, 21096.

Boost/Cuts, applicable to shelving and peaking filters:

All numbers in dB:

-39.0, -36.0, -33.0, -30.0, -27.0, -24.0, -21.0, -18.0, -17.0, -16.0, -15.0, -14.0, -13.0, -12.0, -11.5, -11.0, -10.5, -10.0, -9.5, -9.0, -8.5, -8.0, -7.5, -7.0, -6.5, -6.0, -5.5, -5.0, -4.8, -4.5, -4.3, -4.0, -3.8, -3.5, -3.3, -3.0, -2.9, -2.8, -2.7, -2.6, -2.5, -2.4, -2.3, -2.2, -2.1, -2.0, -1.9, -1.8, -1.7, -1.6, -1.5, -1.4, -1.3, -1.2, -1.1, -1.0, -0.9, -0.8, -0.7, -0.6, -0.5, -0.4, -0.3, -0.2, -0.1, 0.0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.0, 3.3, 3.5, 3.8, 4.0, 4.3, 4.5, 4.8, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0, 13.5, 14.0, 14.5, 15.0, 15.5, 16.0, 17.0, 18.0.

Q, applicable to peaking filters:

0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00, 1.05, 1.10, 1.15, 1.20, 1.25, 1.30, 1.35, 1.40, 1.45, 1.50, 1.55, 1.60, 1.65, 1.70, 1.75, 1.80, 1.85, 1.90, 1.95, 2.00, 2.10, 2.20, 2.30, 2.40, 2.50, 2.60, 2.70, 2.80, 2.90, 3.00, 3.10, 3.20, 3.30, 3.40, 3.50, 3.60, 3.70, 3.80, 3.90, 4.00, 4.10, 4.20, 4.30, 4.40, 4.50, 4.60, 4.70, 4.80, 4.90, 5.00, 5.50, 6.00, 6.50, 7.00, 7.50, 8.00, 8.50, 9.00, 9.50, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 35.0, 40.0, 45.0, 50.0, 55.0, 60.0, 65.0, 70.0, 75.0, 80.0, 85.0, 90.0, 95.0, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 220, 240, 260, 280, 300, 350, 400, 450, 500, 550, 600, 650

Shape, applicable to shelving filters:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

Slope, applicable to cut filters:

0dB/octave, 6dB/ octave, 12dB/ octave

Overall Gain:

All numbers in dB:

-8, -9.2, -8.9, -8.6, -8.3, -8.0, -7.7, -7.4, -7.1, -6.8, -6.5, -6.2, -5.9, -5.6, -5.3, -5.0, -4.8, -4.6, -4.4, -4.2, -4.0, -3.9, -3.8, -3.7, -3.6, -3.5, -3.4, -3.3, -3.2, -3.0, -2.9, -2.8, -2.7, -2.6, -2.5, -2.4, -2.3, -2.2, -2.1, -2.0, -1.9, -1.8, -1.7, -1.6, -1.5, -1.4, -1.3, -1.2, -1.1, -1.0, -0.9, -0.8, -0.7, -0.6, -0.5, -0.4, -0.3, -0.2, 0.0, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0