

Power **Filtering module** **version3 digital crossover**

The interface displays 8 channels (Channel 1 to Channel 8) for both left and right inputs. Each channel has a 'Clip in' indicator, an 'Invert' button, a 'Mute' button, and a 'mix out' knob. The channels are arranged in a grid, with the top two channels (1 and 2) showing frequency response curves. The 'Power' section on the left includes a master power switch and individual channel power indicators.

Filter Frequency response

Filter Taps: 405, 1K, 4K, 128, 128K, 40K. Value: 16384

INPUT

Input gain (dB): -100, -67, -33, 0, 33, 67, 100. Value: 0.0

OUTPUT

Output gain (dB): -100, -67, -33, 0, 33, 67, 100. Value: 0.0

Group: This channel Off

version3 digital crossover BAND FILTER

FIR: IIR

Linkwitz-Riley, Butterworth, Chebyshev type 1, Chebyshev type 2, Bessel

Low pass, High pass, Band pass, Band stop, Low shelf

Filter order: 1, 2.8, 4.7, 6.5, 12, 8.3, 10.2. Value: 4

Cutoff frequency: 209.5, 64.3, 206.5, 663.3, 2.1K, 22K, 6.8K. Value: 4000.00

Phase correction:

Remove processing:

The graph shows the filter's frequency response. The x-axis represents frequency from 20 Hz to 20K Hz, and the y-axis represents gain from -100 dB to 12 dB. The curve shows a flat response at 0 dB until approximately 4 kHz, where it begins to roll off, reaching -100 dB at 20 kHz.

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Linearized phase:

Remove processing:

The graph shows the filter's frequency response with a linearized phase. The x-axis represents frequency from 20 Hz to 20K Hz, and the y-axis represents gain from -100 dB to 12 dB. The curve shows a flat response at 0 dB until approximately 4 kHz, where it begins to roll off, reaching -100 dB at 20 kHz. The phase response is linearized, indicated by the smooth, continuous curve.