Welcome

Thank you for choosing Waves. In order to get the most out of your Waves processor, please take the time to read through this manual.

In conjunction, we also suggest you become familiar with www.wavesupport.net. There you will find an extensive answer base, the latest tech specs, detailed installation guides, new software updates, and current information on licensing and registration.

By signing up at www.wavesupport.net, you will receive personalized information on your registered products, reminders when updates are available, and more.

About Waves eMo Q4

Waves eMo Q4 is a simple and effective 4-band paragraphic equalizer. eMo Q4 provides up to four bands of equalization per channel, configurable as either two independent mono equalizers or a precisely ganged stereo equalizer. eMo Q4 also provides a visual representation of the EQ curve that you can adjust by ‘dragging’ the curve itself, so you do not have to rely on conventional controls. If you know what EQ settings you want, however, you can simply enter the numerical values to achieve the same result.

Like all members of the eMo family, eMo Q4 is touch-compatible, has zero latency, and is very light on CPU without compromising the sound quality.
Components
eMo Q4 includes two components:
- eMo Q4 Mono
- eMo Q4 Stereo

Features
- Four independent filters
- Stereo component: L/R filters can be controlled independently or linked
- Zero latency
- Light CPU consumption
- Touch-compatible
 INTERFACE

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* Stereo component only
CONTROLS

Because both left and right audio channels are displayed in a single window, the left and right equalization curves are represented by yellow and blue lines, respectively.

**Yellow Curve**: Graphically represents the state of the left or mono channel filters.
  - eMo Q4 Stereo: Left channel
  - eMo Q4 Mono: Mono channel

**Blue Curve**: Graphically represents the state of the right channel filters.
  - eMo Q4 Stereo: Right channel
  - eMo Q4 Mono: None

- **Filter ON/OFF**: Turns the corresponding filter (1-4) on or off.

  ![Filter ON/OFF](image)

  Options: On, Off

  Default: On
**FREQ**: Determines the frequency of the corresponding filter (1-4).

![FREQ](image)

Range: 16 to 21357 Hz  
Filter 1 default: 92 Hz  
Filter 2 default: 351 Hz  
Filter 3 default: 2890 Hz  
Filter 4 default: 10992 Hz

**Q**: Determines the Q value for Filters 1-4. The Q value is inversely related to the width of the frequency range for a given filter: the higher the Q value, the narrower the affected band of frequencies.

![Q](image)

Range: 0.05 to 6.50*  
Default: 0.80  
* Low- and high-pass filter types have a fixed Q value of 12 dB per octave.

**TYPE**: Determines the filter type.

![TYPE](image)

Options: Parametric (Bell), Low or High Shelf, Low or High Pass*, Low or High Resonant Shelf*  
Default: Parametric (Bell)  
* Filters 1 and 4 only
Clicking the TYPE icon will switch the filters in the following order:

- **Parametric (Bell): Filters 1-4**
- **Low or High Shelf: Filters 1-4**
- **Low or High Pass: Filters 1 and 4 only**
- **Low or High Resonant Shelf: Filters 1 and 4 only**

**GAIN:** Determines the gain of a given filter. Switch the knob or type in the desired value.

- Range: -18 to 18 dB
- Default: 0.0 dB
**Filter Marker:** Combines the Filter switch and Frequency controls into one click-and-drag marker.

Filter markers are numbered per the corresponding filter. In the Stereo component, filter markers also indicate the corresponding channel, L or R. For example, marker 1L corresponds to Filter 1 on the Left channel; marker 2R corresponds to Filter 2 on the Right channel; and so on.

Options: On, Off

Default: On

**L/R Link Switch (Stereo component):** Allows independent or linked control over the left and right output.

Options:

- Linked; graph shows Left channel markers
- Linked; graph shows Right channel markers
- Independent; graph shows Left channel markers
- Independent; graph shows Right channel markers

Default:

Linked; graph shows Left channel markers
**GAIN L and GAIN R:** Control the plugin’s output gain. In the Stereo component, the Left and Right output gains can be controlled separately or linked, depending on the L/R Link switch status.

Range: -12 to 12 dB

Default: 0.0 dB

**Output Meter:** Indicates the plugin’s output level. The Stereo component shows output separately for the Left and Right channels. The output meter has a peak indicator that helps to monitor the gain.