eMo GENERATOR

USER GUIDE

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 Generator

Waves eMo Generator lets you generate common signals quickly and easily, with several simple and useful options. Use Pink Noise to test and tune your live sound system. Use White Noise for SPL measurements. Use Sine Wave to sweep through entire frequency ranges or even tune your instruments to middle A. In addition, you can quickly test the L-R wiring in your studio or live loudspeakers.

Components

eMo Generator includes two components:

• eMo Generator Mono

• eMo Generator Stereo

Features

In both components:

• Signal types: Pink, White, Sine

• Sine frequency is fully sweepable, with most-used frequency shortcuts

• Gain is fully sweepable, with gain shortcuts

• Touch-compatible

Stereo component only:

• Routing: Play the generated signal through left, right or both outputs

• Phase: Flips phase between left and right outputs

INTERFACE

1. On/Off
2. Signal Type
3. Frequency*
4. Gain
5. Routing**
6. Phase**
7. WaveSystem Toolbar

* Frequency available when SINE type is selected.

** Routing and Phase available in Stereo component only.

Controls

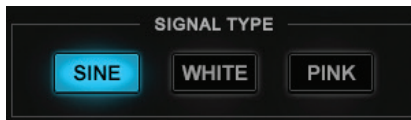**eMo Generator ON button:** Turns eMo Generator on and off.

Options: On, Off
Default: Off

SIGNAL TYPE: Selects the type of signal generated.
PINK: Generates pink noise at 20 Hz to 21 kHz; equal energy in all octaves
WHITE: Generates white noise at 20 Hz to 21 kHz; equal energy per hertz
SINE: Generates pure sine wave tone

Options: Sine, White, Pink
Default: Pink

FREQUENCY: Sweep through frequencies manually using the Frequency knob, type in the desired frequency, or use the shortcut buttons to quickly jump to a predetermined frequency.

Frequency range: 20 to 21000 Hz
Default: 1000 Hz

Shortcut buttons: 100 Hz, 1 kHz, 10 kHz
Default: 1 kHz

GAIN: Adjust the output gain manually using the Gain knob, type in the desired value, or use the shortcut buttons to quickly jump to a predetermined value.
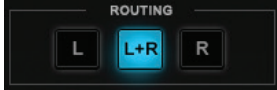

Gain range: -120 to 0 dB
Default: -20 dB

Shortcut buttons: -6 dB, -12 dB, -20 dB
Default: -20 dB

ROUTING: Quickly routes the generated signal to the left output, the right output, or both. Available only in the Stereo component.

Options: L, L+R, R
Default: L+R

PHASE: Flips phase by 180 degrees between the left and right outputs. Available only in the Stereo component.