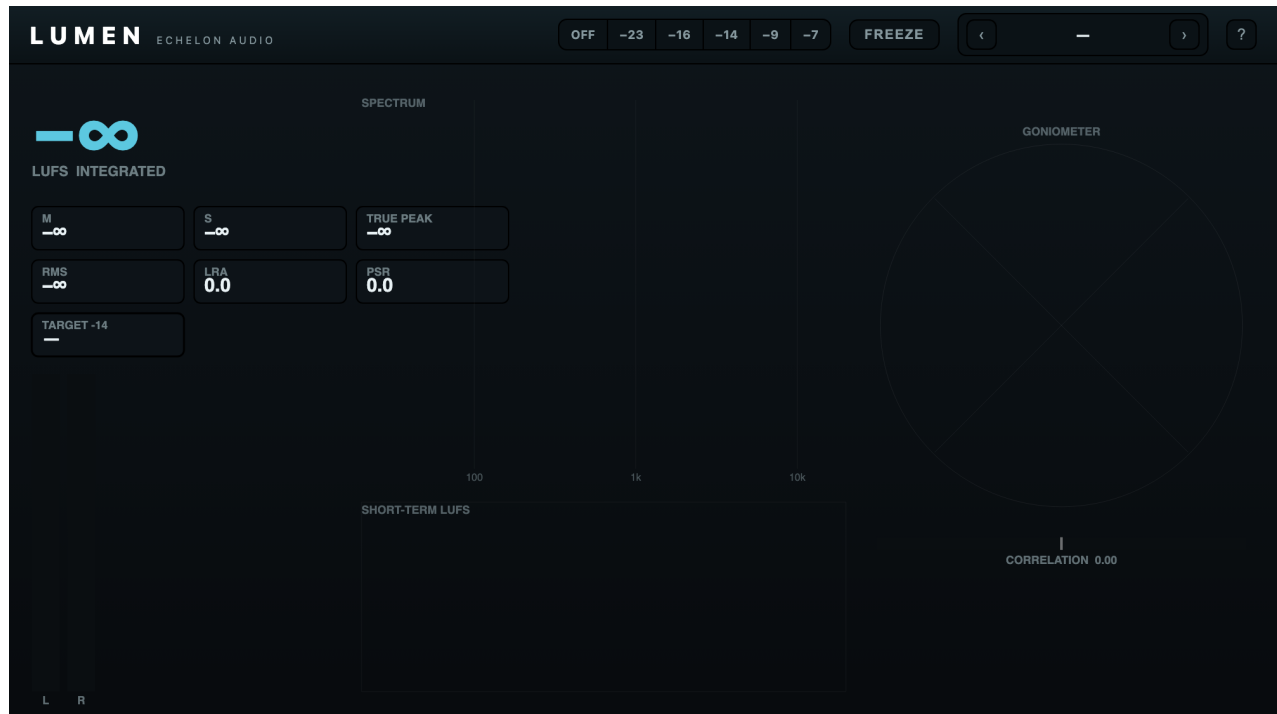


ECHELON AUDIO

LUMEN

Metering Suite — User Manual



The LUMEN interface. Hover any control in the plugin for a quick tip; this manual covers every control in full.

LUMEN is a full metering suite. It passes audio through unaltered while displaying LUFS (Momentary / Short / Integrated, BS.1770 K-weighting), true-peak (4x oversampled), RMS, peak L/R, stereo correlation, LRA, PSR, an FFT spectrum, a goniometer and a short-term loudness history. Set a loudness Target and the history shows a reference line that turns green when you hit it.

Displays & Global Controls

Control	What it does
LUFS	Momentary, Short-term and Integrated loudness (BS.1770).
True Peak / RMS / Peak	Inter-sample true peak, RMS and L/R peak levels.
LRA / PSR	Loudness range and peak-to-short-term ratio.
Spectrum	FFT spectrum analyzer.
Goniometer / Correlation	Stereo vectorscope and phase-correlation meter.
History	Short-term LUFS over time with the target line.
About (?)	Open the About panel.

Controls

Controls

Control	Range	What it does
Loudness Target	Off / -23 / -16 / -14 / -9 / -7	Target Integrated LUFS reference line (-14 streaming, -23 broadcast).
Freeze	button	Pause the meters to read a moment (audio is unaffected).
Preset	menu	Step through presets with the arrows.