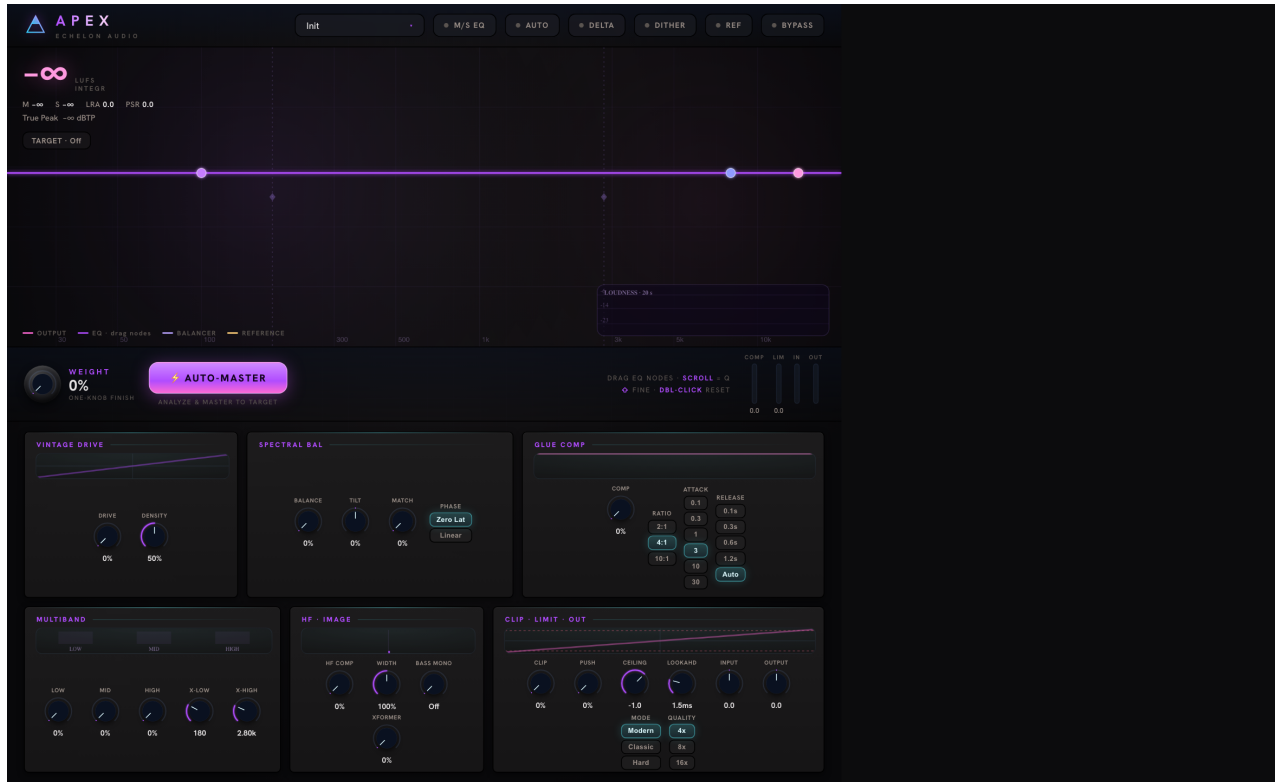


ECHELON AUDIO

APEX

Master-Bus Processor — User Manual



The APEX interface. Hover any knob, selector or button in the plugin for a quick tip; this manual covers every control in full.

APEX is a complete master-bus processor: vintage drive, a Violet shelving EQ, spectral balance/match, SSL-style glue and multiband compression, HF dynamics, stereo imaging with bass-mono, an output transformer, and a clip→limit→ceiling output stage — all driven by the one-knob WEIGHT macro or the AUTO-MASTER analyzer. A full loudness suite (LUFS / true-peak / GR) keeps you honest.

Global & Header Controls

Control	What it does
Auto-Master	Analyze the mix and auto-set the whole chain for an instant master.
Bypass	Bypass the whole master chain.
Preset	Choose a factory preset (arrows step).
Loudness Suite	LUFS, true-peak (with over indicator) and per-stage gain-reduction meters.

Stages

Finish & Drive

Control	Range	What it does
Weight	0 ... 200%	One-knob finish — drives the whole master chain harder.
Drive	0 ... 100%	Vintage console drive / saturation.
Density	0 ... 100%	Harmonic density of the drive stage.

Violet EQ

Control	Range	What it does
Low / High	-9 ... +9 dB	Low- and high-shelf gain.
Lo Frq / Hi Frq	Hz	Shelf frequencies.
Air	0 ... 9 dB	Air-band lift.
Phase	Zero-Lat / Linear	EQ phase mode.

Spectral Balance

Control	Range	What it does
Balance	0 ... 100%	Balance toward the target curve.
Tilt	-100 ... +100	Broad spectral tilt.
Match	0 ... 100%	Match toward a reference spectrum.

Glue Comp

Control	Range	What it does
Comp	0 ... 100%	Glue-compression amount.
Ratio	2:1 / 4:1 / 10:1	Compression ratio.
Attack / Release	ms / Auto	Compressor timing.

Multiband

Control	Range	What it does
Low / Mid / High	0 ... 100%	Per-band compression amount.
X-Low / X-High	Hz	Band crossovers.

HF · Image

Control	Range	What it does
HF Comp	0 ... 100%	High-frequency dynamic de-harsh.
Width	0 ... 200%	Stereo width.
Bass Mono	0 ... 300 Hz	Mono-below frequency.
Xformer	0 ... 100%	Output transformer colour.

Clip · Limit · Out

Control	Range	What it does
Clip / Push	0 ... 100%	Soft-clip amount and limiter push.
Mode / Quality	Modern.. / 4-16x	Clipper character and oversampling.
Ceiling	-3 ... 0 dB	True-peak ceiling.
Lookahead	0.5 ... 5 ms	Limiter look-ahead.
Input / Output	-12 ... +12 dB	Trims.