PRODUCT BROCHURE 2026



FreqTube FT1-EMU

True Analog Circuit Emulation Audio PlugIn
With Real Hardware Integration

FreqTube EMU

FT1-EMU

HYBRID MADE SIMPLE

The FT1-EMU brings real analog tone into software through component-level emulation based on a SPICE reference model. Capturing true tube saturation, rich harmonics, and natural dynamic behavior — all derived from our award-winning FreqTube FT1 hardware, and far beyond standard digital modeling methods.

But, there is more...

YOUR QUEST FOR ANALOG TONE

ends here.



FreqTube FT1-EMU

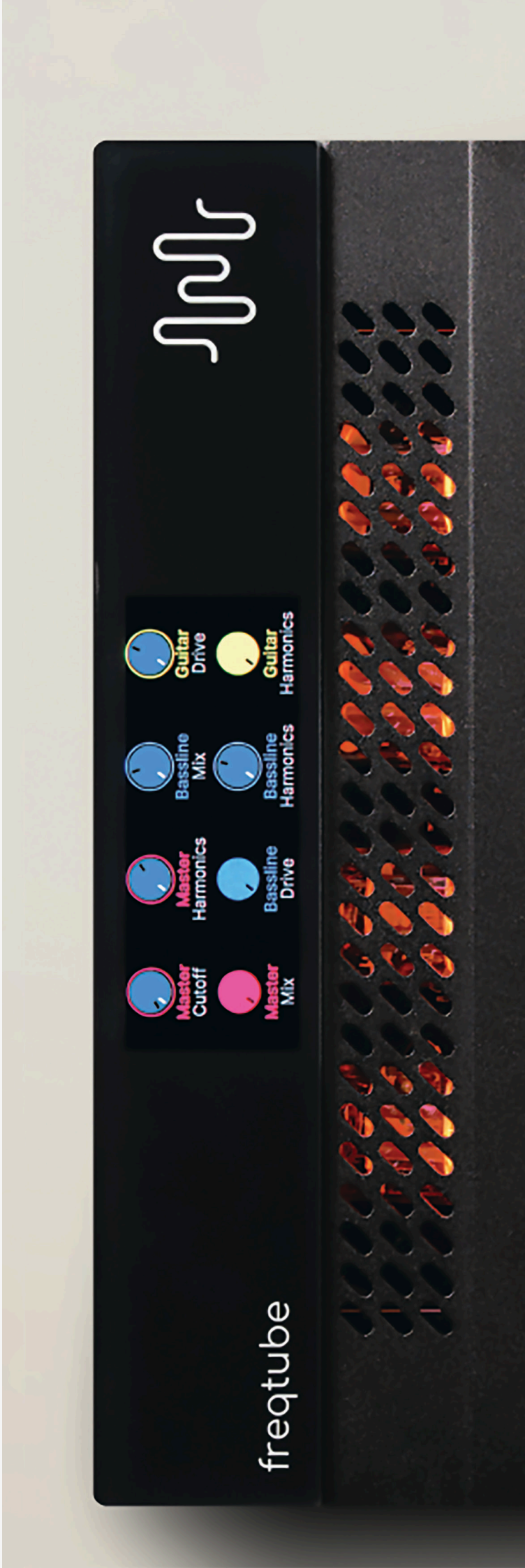
FT1-EMU runs as a fully standalone software plugin with no hardware required. Use it entirely In-The-Box across multiple channels, just like any other audio plugin.

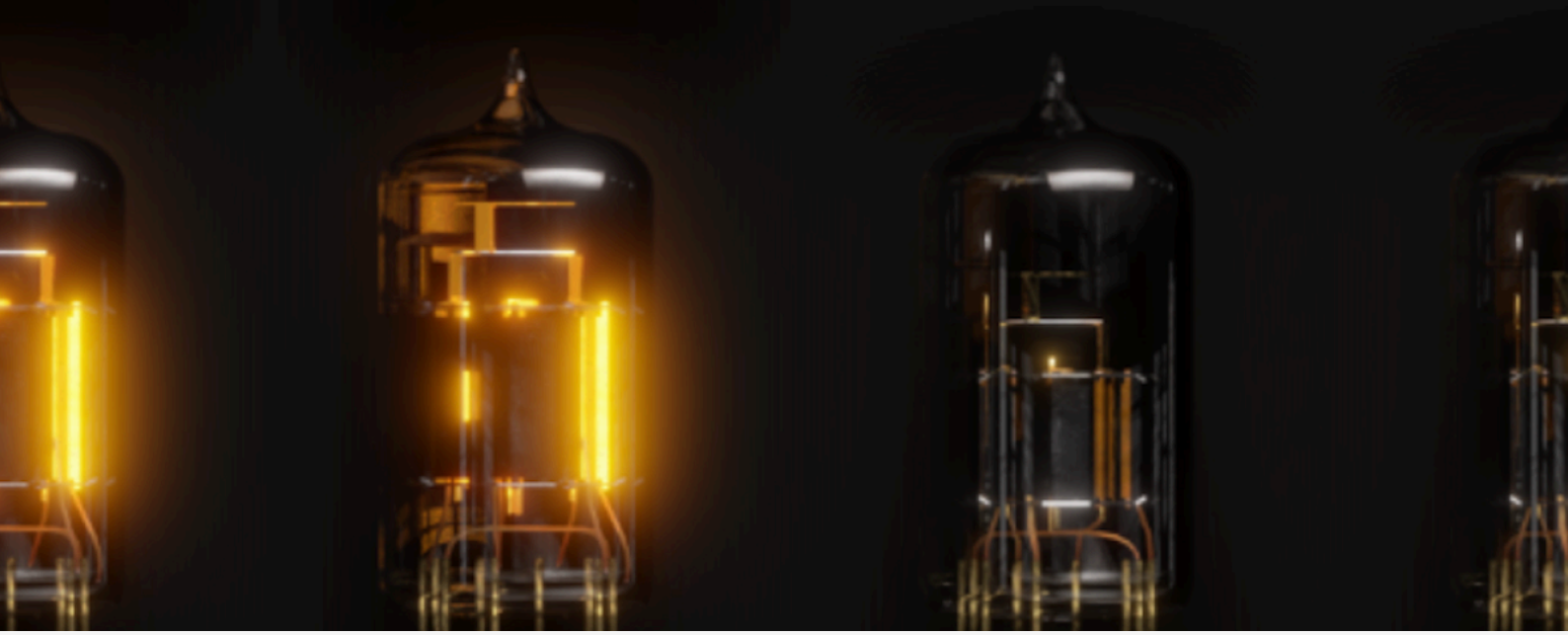
One-click hardware integration available when you're ready for the ultimate — real analog tube processing.

Whenever you're ready for the ultimate – real analog experience, simply connect the FreqTube FT1 hardware. The same plugin interface effortlessly switches from software emulation to real analog tube processing, using the same controls, instance and session. This is the first-ever plugin to seamlessly combine circuit-accurate analog modeling with true analog hardware integration.

Unlock a new category in audio production where you can move from digital to real analog with a single click.

START IN SOFTWARE. FINISH IN ANALOG.
WITH A SINGLE CLICK.





FT1-EMU
Your Analog Mojo, Anywhere

Whether you're on the road, producing in a hotel room, or working from a plane, FreqTube FT1-EMU lets you bring analog mojo with you anywhere. No hardware required. Just install, drop it on a track, and get to work.

Back in the studio you can now plug in your FreqTube FT1 hardware, and the same plugin switches from emulation mode to real analog tube processing, effortlessly in the same session.

Use FreqTube FT1-EMU across your entire mix. Try it on every channel. Find the sweet spots. Then, with FT1 hardware connected, switch key tracks to analog mode for the ultimate in pure tone.

It's a non-destructive A/B comparison between digital and real analog, all in one plugin.

IF YOU'RE STARTING WITH SOFTWARE BUT DREAM OF GOING HARDWARE

FreqTube FT1-EMU is for curious creators, experimental producers, and analog purists alike.

Use it as your analog companion on the road, your go-to tone shaper in the box, or your preview engine before you commit to hardware tone.

ONE PLUGIN. TWO WORLDS. TOTAL FREEDOM


freqtube
v1.9.7
01 Default
Unit B
Kick
Analog
Digital
WET FILTER
Drive
DRY FILTER
Freq
Q
Gain
12
24
2.0
+18dB
E83CC
Tilt
E83CC
12AT7
12AT7
Harmonics
1.00
0.50
0.00
-0.50
-1.00
Volts / Time
0
0
-20
-40
-60
0
1
2
3
4
DB / Frequency
Hardware
Controls
1
3
5
7
2
4
6
8
Analog Mix
Invert
Bypass
Out
0.5
freqtube

FreqTube FT1-EMU

SPECIFICATIONS

01	Product Type	True analog circuit emulation software plugin with optional real hardware integration (FreqTube FT1)
02	Circuit Modeling	Component-level circuit modeling based on a SPICE reference model of the FreqTube FT1 analog signal path
03	Processing Modes	Standalone software emulation • Seamless hardware mode when FT1 is connected (same plugin instance/same session)
04	Tube Engine	Quad-tube architecture: • 2× E83CC (bold saturation) • 2× 12AT7 (smooth harmonic warmth)
05	Controls	Drive • Overdrive • Harmonics (Even/Odd) • Clipping • Phase • Dry/Wet • Output
06	Filters	Primary multi-mode filter • Parallel multi-mode filter • Hardware-inspired topology – Selectable HPF, LPF, Peak, Bandpass with 12/24 dB slope.
07	Gain Management	Automatic harmonics gain compensation for consistent output level
08	Multi-Instance Support	Multiple plugin instances across tracks, buses, and sessions
09	Automation & Recall	Full DAW automation • Preset and session recall
10	Plugin Formats	VST3 • AU • AAX
11	Operating Systems	macOS (64-bit) • Windows (64-bit)
12	Installation & Activation	Simple installer

Features

COMPONENT-LEVEL MODELING

Component-level emulation based on a SPICE reference model delivers authentic tube saturation and natural dynamic behavior.

REAL HARDWARE INTEGRATION

Optional one-click switching between software emulation and real FreqTube FT1 hardware elevating your sound to REAL ANALOG.

DEEP TONE CONTROL

Precise control over drive, harmonics, filtering, and signal flow for detailed tone shaping.

ANALOG STYLE FILTERS

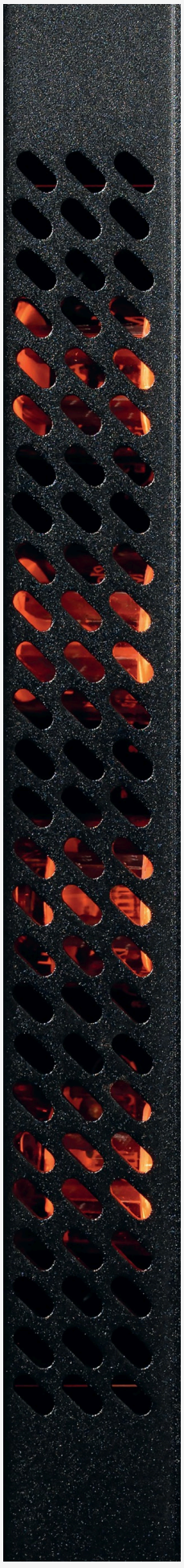
Primary and parallel multi-mode filters inspired by real analog hardware topology.

QUAD TUBE ENGINE

Quad-tube architecture:
2× E83CC (bold saturation)
2× 12AT7 (smooth harmonic warmth)

CONTROL

• Drive • Overdrive • Harmonics • Clipping
• (Even/Odd) • Phase Control
• Dry/Wet • Output





FREQPORT PRODUCT BROCHURE

FreqTube FT1-EMU