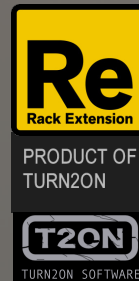




TREMOFLEX

TREMOLO & AUTOPAN FX

[RACK EXTENSION]
MANUAL



FX device by Turn2on Software



Tremolo has been a cornerstone of sound modulation since the early days of electric amplification, offering rhythmic volume modulation that adds depth, movement, and character. Originally found in vintage tube amps and later refined in pedals, tremolo has evolved into a diverse effect with multiple waveforms and stereo options.

TREMOFLEX takes inspiration from some tremolo effects, bringing their best features into a versatile, powerful tremolo unit for the Reason Rack. Featuring multiple tremolo styles, stereo routing, integrated filtering, and a space reverb, **TREMOFLEX** is designed for deep sonic sculpting and creative sound design.

TREMOFLEX goes beyond basic tremolo by providing an extensive set of controls for shaping the modulation waveforms and response. Unlike traditional tremolo pedals, which rely on fixed LFO shapes, **TREMOFLEX** allows users in Custom mode to modify Symmetry, Attack, Release, Phase, Spread, and Envelope Curves, offering near-limitless flexibility.

The Routing Mode expands creative possibilities by allowing Linear or Parallel processing, meaning tremolo can be applied independently or alongside the Space reverb in unique configurations. The LPF/HPF filter gives extra tonal control, ensuring the effect blends naturally with your mix or stands out as needed.

With precise Rate & Depth controls, **TREMOFLEX** can achieve anything from a gentle, almost imperceptible pulse to extreme choppy rhythms. Stereo options allow users to create swirling, immersive soundscapes or focus on tight mono tremolo for classic vintage tones.

TREMOFLEX is a modern tremolo powerhouse, blending classic tones with futuristic sound design. Whether you want vintage shimmer or deep experimental movement, it's ready to flex your sound!

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Top 3 Features

- 17 Tremolo Modes: Classic, Harmonic, Bias, Optical & more.
- Stereo Routing: Linear/Parallel with filtering & reverb
- Sync & Shaping: Precise LFO control with custom curves

TREMOFLEX



	TREMOLO
MODE	Select from 17 tremolo styles (CLASSIC, BIAS, REVO, OPTO, SQR, SAW RISE/FALL, TRI, EXPO, VINTAGE HARM, RAMP HOLD, HARM, UNIHYPE, VIBE, INTENSIVE, MAXD, CUSTOM)
CROSSFADE MODE	Switch selected mode between Mono Tremolo / Stereo Autopan modes
RATE	Controls the speed of the tremolo (0.05 Hz to 20 Hz, limited in some modes).
SYNC	Enables tempo-synced modulation (range from 5 BAR to 1/64)
DEPTH	Adjusts the modulation intensity from subtle to extreme. Controls the Dry/Wet mix of Tremolo effect.

	ROUTING, FILTER & REVERB
ROUTING MODE	Selects Linear or Parallel routing for the tremolo effect and Filter/Space reverb. LINEAR: Tremolo routed to Filter with Space (reverb) processing PARALLEL: Tremolo is routed to the device output in parallel with Filter & Space processing, that mixed before device output
FILTER FREQUENCY	A filter frequency control to shape the tonal balance of the tremolo effect.
FILTER MODE	Switch filter between HP / LP modes
SPACE	Adjusts the amount (mix) of reverb applied.
SPACE DECAY	Sets the length of the reverb tail.

	UTILITY CONTROLS
INPUT	Adjusts the input level before processing.
OUTPUT	Adjusts the final output level.

	TREMOLO MODES
CLASSIC SINE	Classic sine tremolo. Sine or slightly rounded triangle wave, balanced rise & fall. Neutral Attack & Release. Linear Attack & Release curves. <i>Classic Vintage mono tremolo, perfect for subtle rhythmic pulsing. Works great on guitars, keys, and bass for vintage tremolo sounds</i> <i>Stereo: creating a ping-pong effect. Wider and more immersive than mono mode. Ideal for stereo tremolo on pads, synths, and electric pianos.</i>
BIAS	Exponential decay resembling the compression of a tube circuit. Quick Attack & slow Release. Longer vintage decay. No phase-shift or stereo separation. <i>Naturally mono tube bias tremolo</i>
REVO	Reverse optical waveform, creating exaggerated peaks and valleys. Longer Attack rise, shorter decay. Inverted phase for reverse behaviour. <i>Stereo spread enhances exaggerated peaks and valleys.</i>
OPTO	Vintage amp-style optical tremolo with a soft pulsating effect. Natural rise Attack & optical feel decay. <i>Can be mono like vintage amps or widened for stereo depth.</i>
SQR	Square wave tremolo for choppy, rhythmic cuts. Square waveform. Instant onset (attack) and instant release (cutoff). Not work well with stereo spread. <i>Use Case: Stutter effects, rhythmic chopping, percussive tremolo.</i> <i>Mono only choppy tremolo. This mode have HARD PAN option</i>
SAW RISE	Rising Sawtooth (gradual increase, sudden sharp drop). Great for building tension. Ramping Up effect. <i>Stereo spread can work, but may feel uneven at fast speeds.</i>
SAW FALL	Falling Sawtooth (sudden sharp increase, gradual drop). Ramping Down effect. Gives a percussive, plucky feel, where the effect immediately starts strong and fades out. <i>Mono centered tremolo, or L/R stereo channels alternate. Stereo spread can work, but may feel uneven at fast speeds.</i>
TRIANGLE	A triangle wave has a linear rise and fall, making it sound smoother than a square wave but more pronounced than a sine wave. Equal release time to match attack. Balanced, linear tremolo works well in stereo spread. It sounds natural and rhythmic, making it ideal for classic guitar tremolo, synth vibrato, and LFO-based effects. <i>Stereo spread makes the tremolo move across the stereo field</i>
EXPO (SOFT PULSATING)	Soft Pulsating is Exponential Tremolo. Starts soft and gradually deepens, like a natural breathing effect. Gradual rise and fall. Subtle and expressive tremolo for vocals, pads, and ambient sounds. For smooth, organic movement, best in Mono. In stereo add bright width
VINTAGE	Harmonic Tremolo (vintage harm vibe mode). Simulates classic harmonic tremolo by modulating low and high frequencies separately. Vintage amp-style tremolo with a phaser-like shimmer. Equal Rise/Fall, neutral for even shifts. <i>Widen stereo effect for shimmering harmonic modulation. Stereo works well if LFO is split into low/high-frequency bands.</i>
RAMP (SLOW CLIMB)	Modified Sawtooth creates a long, gradual rise and a much faster drop, mimicking the feel of ramping up and then resetting. Not have a full symmetry like Saw. Useful for swells. <i>Mono only to maintain a clear ramping effect.</i>

	TREMOLO MODES
HARM	A shimmering, vintage-style frequency tremolo. Splits the Low & High frequencies. <i>Mono: Vintage accuracy organic and warm movement. Warm amp-like undulation.</i> <i>Stereo: modern wide tremolo, creating spatioal depth. Open & immersive sound</i>
UNI-HYPE	Classic swirling phaser-like tremolo. Assymetrical sine wave with slightly "wobbly" or irregular shape. Slightly smoother attack to create a rounded sound. Vintage Uni-Vibe pulsation without stereo width. Creates a deep and organic movement like a classic pedal. <i>Mono: Classic, deep, warm pulse. Originally Mono effect.</i> <i>Stereo: Swirling movement like a true stereo Vibe. Wider and more spacious than mono mode.</i>
VIBE	Slow modulation under 1 Hz. Assymetrical sine wave with slightly "wobbly" or irregular shape. Reproduce slower rate of UNI-HYPE wave up to 1 Hz. A slower rate gives a classic vibe effect. <i>Mono: Classic, deep, warm effect. Originally Mono.</i> <i>Stereo: Slow movement works well across stereo field</i>
INTENSIVE	Fast, aggressive tremolo (1 Hz - 20 Hz). Assymetrical sine wave with slightly "wobbly" or irregular shape. Reproduce higher speed of UNI-HYPE wave up to 20 Hz. A faster rate create a more intense effect. <i>Stereo: Slow movement works well across stereo field</i>
MAXED	Sine wave or slightly rounded triangle wave, balanced rise & fall. Neutral Attack & Release. Linear Attack & Release curves. Classic Vintage mono tremolo with maximized rate range. Perfect for subtle rhythmic pulsing. Works great on guitars, keys, and bass for vintage tremolo sounds <i>Stereo: creating a ping-pong effect. Wider and more immersive than mono mode. Ideal for stereo tremolo on pads, synths, and electric pianos.</i>
CUSTOM	Custom mode provide to generate and control custom Waveform, Attack, Release time and curve parameters, symmetry of the waveform. Have additional parameter controls : Phase Shift and Spread.

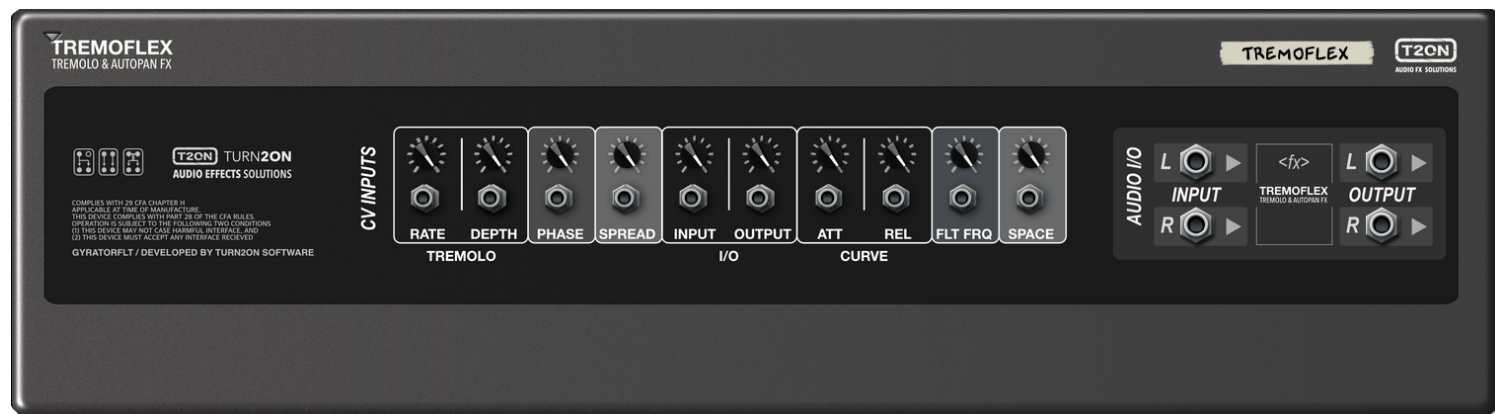
How to Use TREMOFLEX

- 1/ Select a Tremolo Mode: choose from the 17 core styles to define the modulation character.
- 2/ Adjust the Rate & Depth: control speed and intensity for subtle or extreme tremolo.
- 3/ Explore Routing & Filters: choose Linear or Parallel, apply LPF/HPF for tone shaping.
- 4/ Enhance with Space Reverb: blend reverb for a more immersive tremolo effect.
- 5/ Set Input & Output Levels: Adjust gain for balanced signal flow.

Top Tricks for Various Instruments

-  For Guitars: Use Bias or Harmonic Tremolo for vintage amp-style pulsation.
-  For Keys/Synths: Try Opto or Triangle for smooth pad movement.
-  For Drums: Use SQR or Ramp (Soft Pulasting) for rhythmic gating effects.
-  For Vocals: Apply Soft Pulsing with Reverb for dreamy modulation.

REAR PANEL



CONNECTORS

AUDIO I/O

Mono or Stereo connections for audio signals.



CV INPUTS

Use these CV inputs to control the main parameters by external CV source curves

SIGNAL ROUTING

True stereo fx

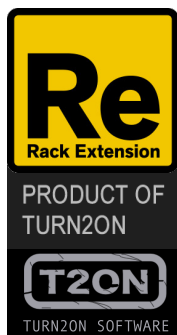




TREMOFLEX

TREMOLO & AUTOPAN FX

Reason Studios Add-on Shop



Turn2on

Rack Extension Developer

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Thanks to all beta-testers



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