



# GATEVERB NON-LINEAR REVERB

[RACK EXTENSION]  
MANUAL / 2021



FX device by Turn2on Software



The most common classical digital and analog reverb effects are linear.

A **Non-linear** reverb gives an extra burst of the energy to each hit and extends the feel of the rhythm and expressive dynamics in a performance.

This is a really powerful effect which creates something akin to envelope shaped reverberation.

When the verb decay is set to a small value, the gate closes and cuts off the tail using compression. Gated reverbs can punch up simple drum loops into energetic wave rhythms. Sometimes the incoming signal is even mutated into absolutely new sounds.

Non-linear reverb can also be used to great effect on guitar. Gate reverberation has been used by such musicians as Jimi Hendrix, Madonna and Phill Collins to name just a few. The effect can be heard in many popular tracks from the 80s when gated reverb was used extensively by many producers on instruments and percussion and was an essential element of the "Big Snare Sound".

Non-linear reverberation can also be heard in many popular modern tracks. Listen to more experimental usage of it on beats and leads on The Chemical Brothers album "Dig Your Own Hole". For example, the drum-drones at the end of "Where Do I Began", leads from "Block Rocking Beats" and many more were created using this effect.

Make Gated or non-linear reverb effect a special part of your own creative sound.

The **Time** parameter is used to set the length of the reverberation tail before a hard-gated cutoff and compression are applied.

**High Cut** and **Low Cut** parameters help to control the frequency of the processed signal.

Try **GATEVERB** now on your drums, rhythms, loops, powerful leads and guitars.

Remember, whereas linear reverberation is more about natural decay, non-linear reverberation at first listen can seem unusable. Don't give up though. Experiment and you will find out why musicians from the past and right up to present day find it a fantastic and interesting effect.



Gate reverb came about as a result of the of new "Listen Mic" feature included on SSL consoles. The circuit included a compressor and a gate to allow the talkback of the recording artists to be heard.

After playing around with the effect for a while Phil Collins used it to great success on a very famous song. Almost immediately after that the gate reverb effect became a defining sound which is now synonymous with many hit records from the 80s.

## GATEVERB PANEL



## GATE VERB CONTROL



<b>TIME LEVEL</b>	Set length (0-500 ms) of the reverberation tail before the hard-gated cutoff with compression
<b>LOW CUT</b>	Highpass filter cutoff frequency
<b>HIGH CUT</b>	Lowpass filter cutoff frequency
<b>DRY LEVEL</b>	Set level of the unprocessed (dry) input signal routed to the effect output
<b>WET LEVEL</b>	Set level of the processed (wet) signal
<b>TRIM INPUT LEVEL</b>	Input signal level control
<b>BLEND</b>	Set mix value between dry (unprocessed) and wet (processed) signals to the device output
<b>SOFT BYPASS</b>	Switches between effect bypass. Fades in and fades out which excludes loud peaks when enabled
<b>ENABLE</b>	BYPASS - disable effect
<b>BYP/ON/OFF</b>	ON - enable effect OFF - mute incoming signal

# REAR PANEL



**AUDIO INPUT/OUTPUT:**  
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 ICONS**  
This is a true stereo device



# GATEVERB

NON-LINEAR REVERB

 Reason Studios Add-on Shop

Thanks to all beta-testers,

**Special thanks to**

- MrFigg (Cameron Jeffrey): Beta testing / Manual editions
- Philip Meadows (Despondo): text fixes



## Turn2on

Rack Extension Developer

contacts: <https://turn2on.com/>  
[support@turn2on.com](mailto:support@turn2on.com)



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