SINEVIBES

STREAM DELAY SEQUENCER

Audio Unit plugin for Mac

INTRODUCTION

WHAT IS IT?

Stream is a delay sequencer Audio Unit plugin for Mac. It features an array of 32 individual delay taps routed sequentially one after another, with gradual or stepped feedback. Each tap is routed into its own filter and has dedicated level and pan parameters. The delay sequence includes variable stereo modulation which is uniquely applied with phase inversion between odd and even taps. **Stream** allows to choose between modern and vintage characters and has a time multiply control to slow down or speed up the whole delay sequence up to four times, as if it was a sampled loop. With such immense configurability, **Stream** can create a whole symphony of reflections – from organically chaotic to precisely rhythmic – and anything in between. It's a delay that looks like a sequencer and a sequencer that works like a delay.

SPECIFICATIONS

- Up to 32 sequential delay taps, with global time multiply feature (1/4x to 4x).
- Each tap has its own individual time, low-pass or high-pass filter, level and pan.
- Delay feedback includes gradual (per tap) and stepped (per round) modes.
- Selectable modern or vintage interpolation for two distinct sound characters.
- Built-in LFO for time modulation, with even-odd polarity inversion and stereo phase offset.

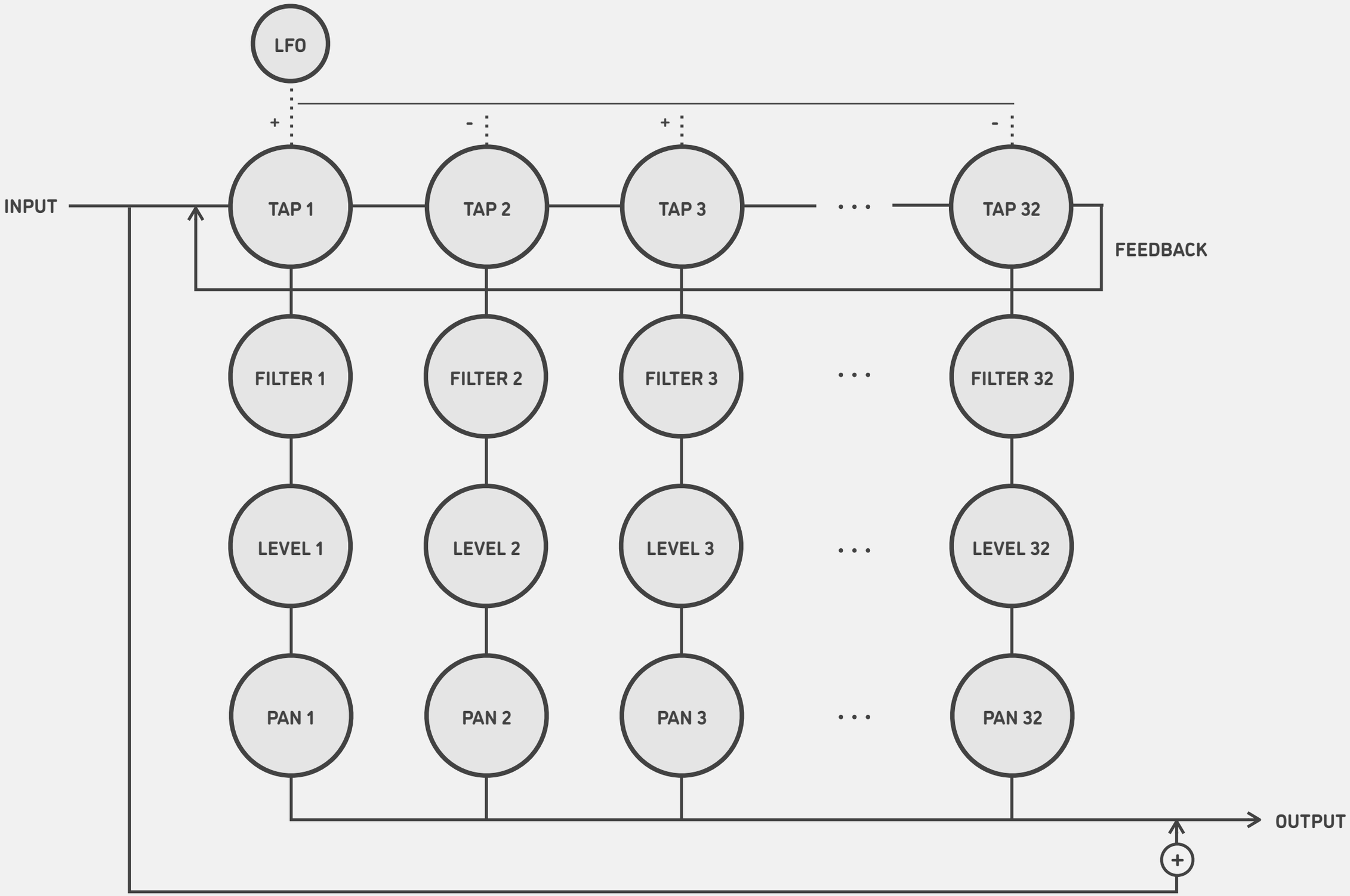
USER INTERFACE

- Multiple utility functions for individual or global tap parameter shifting and looping.
- Color-coded graphics with subtle animations.
- Fully hardware-accelerated rendering with support for retina screen resolution.

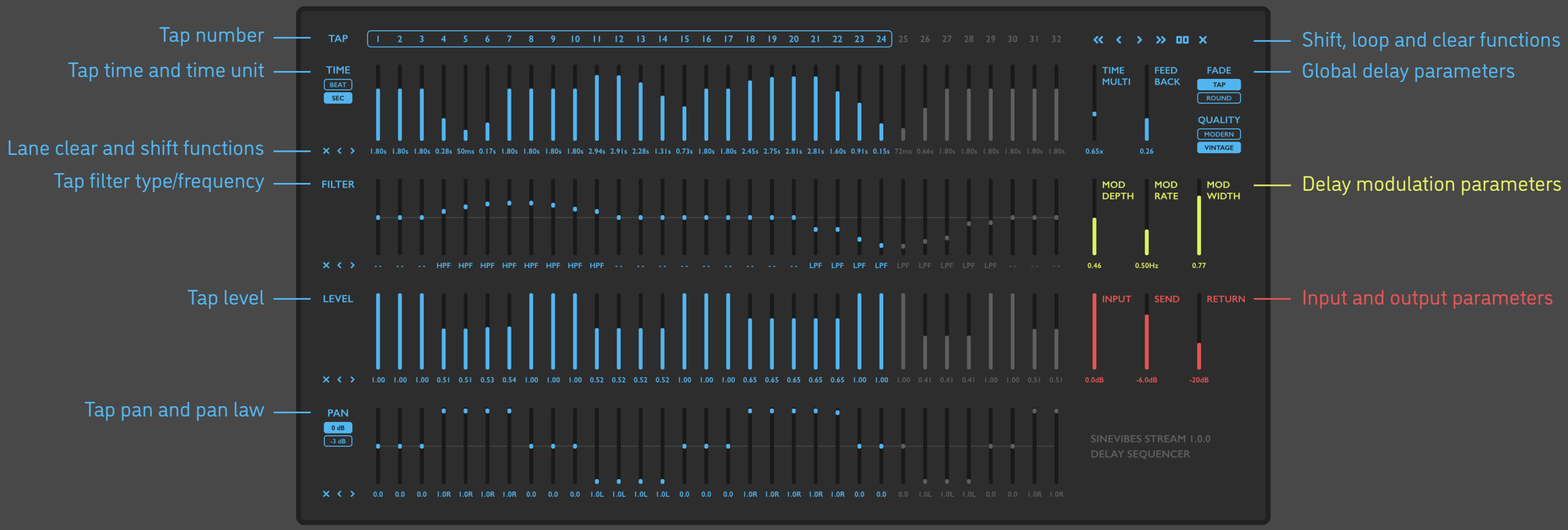
COMPATIBILITY

- Works with any application that supports Audio Unit effect plugins.
- Requires OS X 10.6 or later running on 32 or 64 bit Intel Macs.

STRUCTURE DIAGRAM



INTERFACE BREAKDOWN

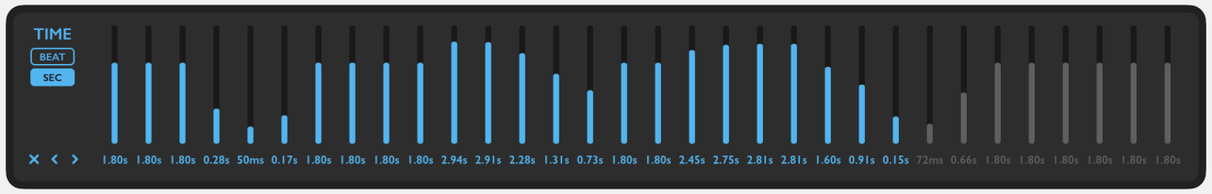


TAP LANE

In the **TAP** lane you see the delay tap numbers from 1 to 32. The outline around the lane shows the number of active taps: simply click or click and drag it to change it. Inactive taps will be greyed out in all lanes.

TIME LANE

The **TIME** lane allows to set the delay time for each individual tap. Depending on the unit switch, it can be set in beat fractions (from 1/16 beat to 8 beats, synchronized to host tempo) or in seconds (from 10 ms to 4 s).

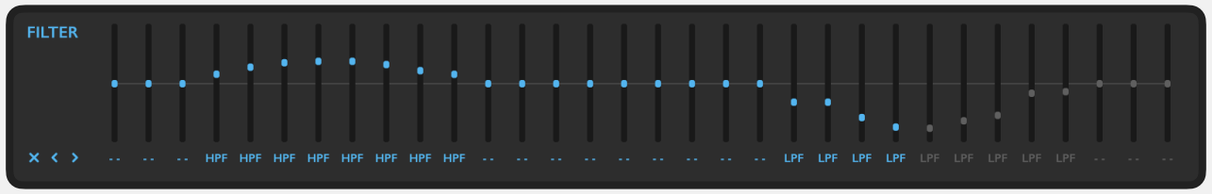


The lane function buttons allow to perform the following actions:

- **x** set all taps to default time
- **<** shift the lane to the left by one tap
- **>** shift the lane to the right by one tap

FILTER LANE

The **FILTER** lane sets the filter type and cutoff frequency for each tap. Positive values set the filter to high-pass, with frequency going from 20 Hz in center position to 20 kHz in upper position. Negative values set the filter to low-pass, with frequency adjusted from 20 kHz in center position to 20 Hz in lower position.

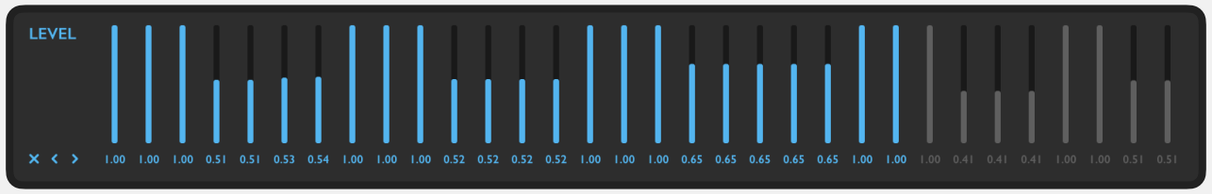


The lane function buttons allow to perform the following actions:

- **x** set all taps to default filter setting (off)
- **<** shift the lane to the left by one tap
- **>** shift the lane to the right by one tap

LEVEL LANE

The **LEVEL** lane set the output level of each tap, from 0.0 to 1.0.

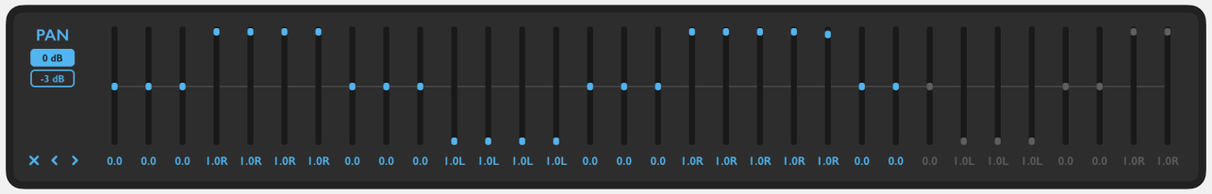


The lane function buttons allow to perform the following actions:

- **x** set all taps to default level (1.0)
- **<** shift the lane to the left by one tap
- **>** shift the lane to the right by one tap

PAN LANE

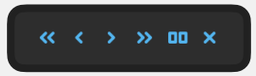
The **PAN** lane sets the output pan of each tap, from hard left in its lower position (1.0L), to center (0.0), to hard right in its upper position (1.0R). The pan law switch allows to choose between equal loudness (0 dB) and equal level (-3 dB) modes.



The lane function buttons allow to perform the following actions:

- **x** set all taps to default pan (0.0)
- **<** shift the lane to the left by one tap
- **>** shift the lane to the right by one tap

GLOBAL FUNCTIONS



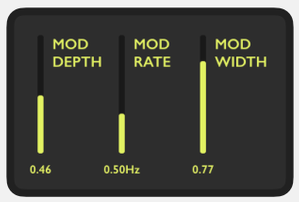
The global function buttons allow to perform the following actions:

- **«** shift all lanes to the left by four taps
- **<** shift all lanes to the left by one tap
- **>** shift all lanes to the right by one tap
- **»** shift all lanes to the right by four taps
- **oo** clone the currently active taps onto the inactive taps (allows for easy composition of patterns that have multiple semi-similar sections)
- **x** set all taps on all lanes to default values

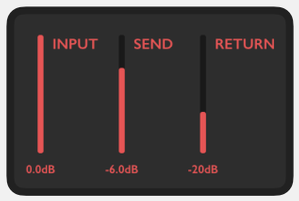
GLOBAL CONTROLS

TIME MULTI global time multiplication coefficient: from 0.25x to 4x.
FEEDBACK amount of delay output fed back into the input: 0.0 to 1.0 (0 to 100%).
FADE apply feedback fade every tap (gradual) or every round (stepped).
QUALITY select between spline (modern) or linear delay interpolation (vintage).

MOD DEPTH delay time modulation depth: 0.0 to 1.0 (approx. range is 0 to 8 ms).
MODE RATE sine oscillator rate: 0.05 to 5 Hz.
MOD WIDTH sine oscillator stereo phase offset: 0.0 to 1.0 (0 to 180˚)



INPUT dry input signal level: -∞ to 0 dB.
SEND amount of input signal sent into the effect: -∞ to 0 dB.
RETURN wet signal return level: -∞ to 0 dB.



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