Manuals+ — User Manuals Simplified.

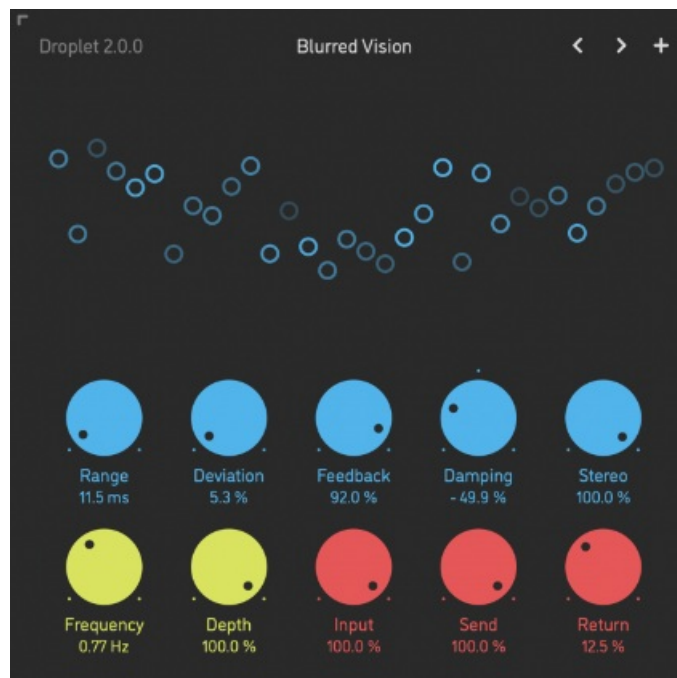# SINEVIBES Droplet V2 Raindrop Delay Effect Plugin User Manual

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SINEVIBES Droplet V2 Raindrop Delay Effect Plugin

Droplet v2 Raindrop Delay

Droplet v2 is a delay effect plug-in designed for creating unique and interesting delay effects. It features a fully vector-based interface with color-coded elements for effective visual grouping. Droplet v2 can be used in a stereo or stereo channel configuration.

Sound Engine

The sound engine of Droplet v2 is designed to provide a raindrop delay effect. It features a delay range of 5 to 200ms and deviation up to 300%, allowing for a wide range of delay times. The feedback damping cutoff frequency can be adjusted from 20 Hz to 20 kHz, and the modulation frequency from 0.05 to 5 Hz.

Graphic Interface

The interface of Droplet v2 is fully customizable and allows you to change its window size from 0.8x to 2x in 20% increments. The last size you set is stored in a preference file and is recalled the next time Droplet v2 is loaded.

System Requirements

Droplet v2 can be used on Mac and Windows operating systems and requires a VST, AU, or AAX compatible host application.

Parameters

- Delay Range: 5 .. 200 ms
- Deviation: 0 .. 300%
- Feedback Damping: -100 .. +100%
- Stereo Modulation Frequency: 0.05 .. 5 Hz
- Depth Mix: 0 .. 100%
- Input Send Return: 0 .. 100%

Presets

Droplet v2 features built-in functions for saving and loading presets, as well as for quickly switching between presets within the same bank. All these functions are accessed via the top toolbar.

Product Usage

To use Droplet v2, follow these steps:

1. Open your VST, AU, or AAX compatible host application.
2. Load Droplet v2 onto an audio track or bus.
3. Adjust the parameters to achieve the desired raindrop delay effect.
4. Save your preset using the preset toolbar.
5. Switch between presets within the same bank by clicking on the preset name in the top center of the interface.

Droplet V2 Raindrop delay
AAX + AU + VST effect plugin for Mac and Windows Designed and developed by Sinevibes ©2018-2021

INTRODUCTION

Droplet is a delay modeling engine for creating "raindrop delay" effects. It is based on 32 stereo delay lines connected in series via a proportional feedback system, with each delay's time and stereo pan being randomized in order to recreate a naturally chaotic sound – similar to water drops falling onto a surface. The wide parameter range, as well as low- or high-frequency feedback damping, allow Droplet to produce a huge variety of effects – not just its trademark raindrop delay but also lush reverb and resonator simulations. Due to its unique alternating-polarity routing, the built-in modulation oscillator adds a beautiful dimension and unison detune to the sound. And thanks to the fact that the randomization seed is generated each time the plugin is loaded, just like the natural process it's modeling, every instance of Droplet will always sound different.

SOUND ENGINE

- Multi-tap delay engine with 32 stereo delay lines and proportional feedback scaling
- Adjustable delay time randomization
- Adjustable delay output pan randomization
- Individual low-pass and high-pass damping filters per each delay line
- Sine-wave oscillator for delay time modulation, with unique alternating-polarity routing
- Lag filters on all continuous parameters for smooth, click-free adjustment
- Supports mono › mono, mono › stereo, and stereo › stereo channel configurations
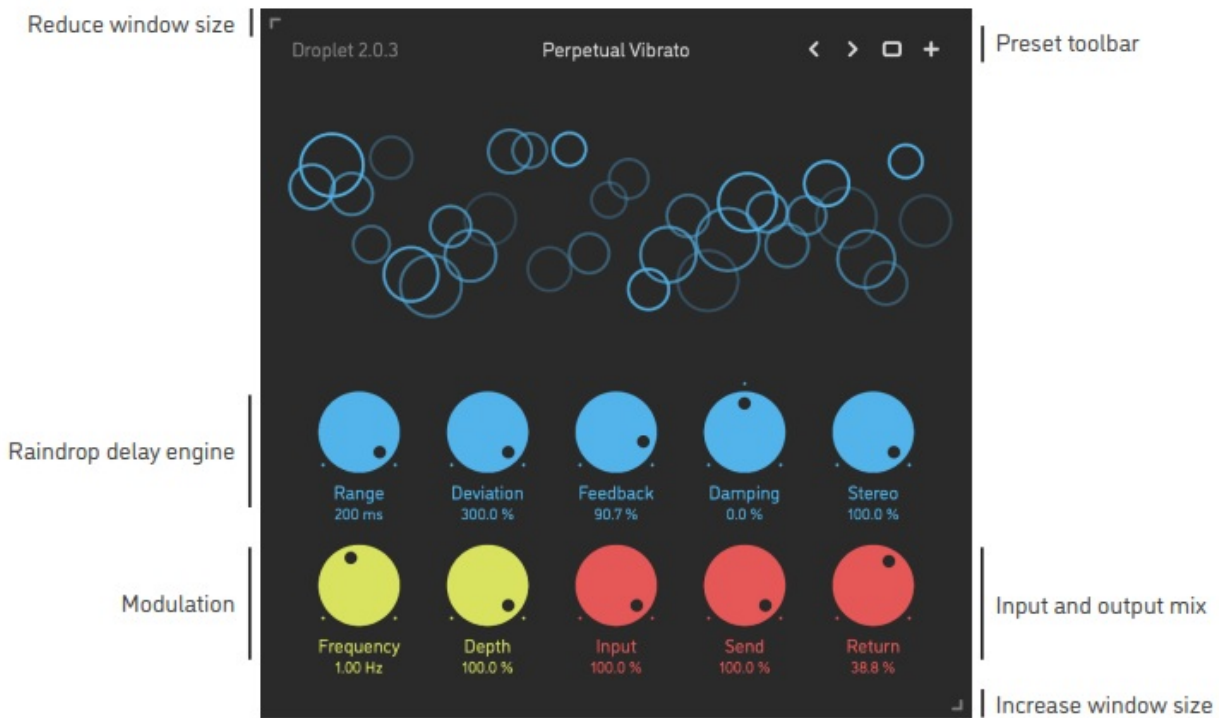
GRAPHIC INTERFACE

- Color-coded graphic elements
- Consistent name, mapping, value, and unit implemented for all parameters in both graphic user interface and host control/automation
- Built-in preset management functions
- Supports window size scaling up to 200%

SYSTEM REQUIREMENTS

- 64-bit Mac computer with Intel or Apple processor, running macOS 10.9 or later, plus a host application with support for AU, AAX, or VST3 plugins
- 64-bit PC computer with x86 processor, running Windows 8.1 or later, plus a host application with support for AAX or VST3 plugins

INTERFACE

Droplet features a fully vector-based interface, with color-coded elements for effective visual grouping. The interface allows you to change its window size from 0.8x to 2x in 20% increments. The last size you set is stored in a preference file and is recalled the next time Droplet is loaded.

- Hold shift and drag a knob to adjust the parameter with increased resolution.
- Use option-click (Mac) or alt-click (Windows), or double-click any knob to recall its default parameter value.
- To fully initialize all plugin's parameters, load the preset named Default from either Factory or User bank.

PARAMETERS

Delay

Range	Base value for each tap's delay time	5 .. 200 ms
Deviation	Amount of deviation from base time value during randomization: e.g. with range set to 100 ms, deviation to 300%, the resulting time range = 100 .. 400 ms	0 .. 300 %
Feedback	Amount of delay engine's output routed back into the input	0 .. 100 %
Damping	Cutoff frequency for damping filters applied separately on each delay tap: -100 .. 0: 6 dB/octave low-pass with cutoff frequency from 20 Hz to 20 kHz 0 .. +100: 6 dB/octave high pass with cutoff frequency from 20 Hz to 2 kHz	-100 .. +100 %
Stereo	Amount of randomization applied onto each delay tap's output pan	0 .. 100 %

Modulation

Frequency	Sine wave modulation generator frequency	0.05 .. 5 Hz
Depth	Amount of time modulation applied onto all delay taps	0 .. 100 %

Mix

Input	Dry input signal level	0 .. 100 %
Send	Amount of dry input signal being sent into the delay engine	0 .. 100 %
Return	Wet output level of the delay engine	0 .. 100 %

PRESETS

Droplet features simple built-in functions for saving and loading presets, as well as for quickly switching between presets within the same bank. All these functions are accessed via the top toolbar.

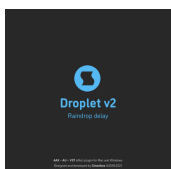|	
Preset Name	Click the preset name in the top center to show open file dialog with the list of presets in the current bank. Use command-click (Mac) or control-click (Windows) on the preset name to reveal the actual file.
<	Switch to the previous preset in the current bank. The current bank is automatically set to wherever the last preset was loaded from.
>	Switch to the next preset in the current bank.
▢	Show open file dialog with the list of preset banks. By default, the plugin includes two banks: Factory and User. However, you can freely create additional banks – simply by creating new subfolders.
+	Save current preset. Please note: due to the limitations of the typeface, you can only use latin letters when naming your presets

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Documents / Resources

SINEVIBES Droplet V2 Raindrop Delay Effect Plugin [pdf] User Manual
Droplet V2, Raindrop Delay Effect Plugin, Droplet V2 Raindrop Delay Effect Plugin, Delay Effect Plugin, Effect Plugin, Plugin

References

- [S] Sinevibes
- [S] Sinevibes