Dipole v2

Through-zero flanger
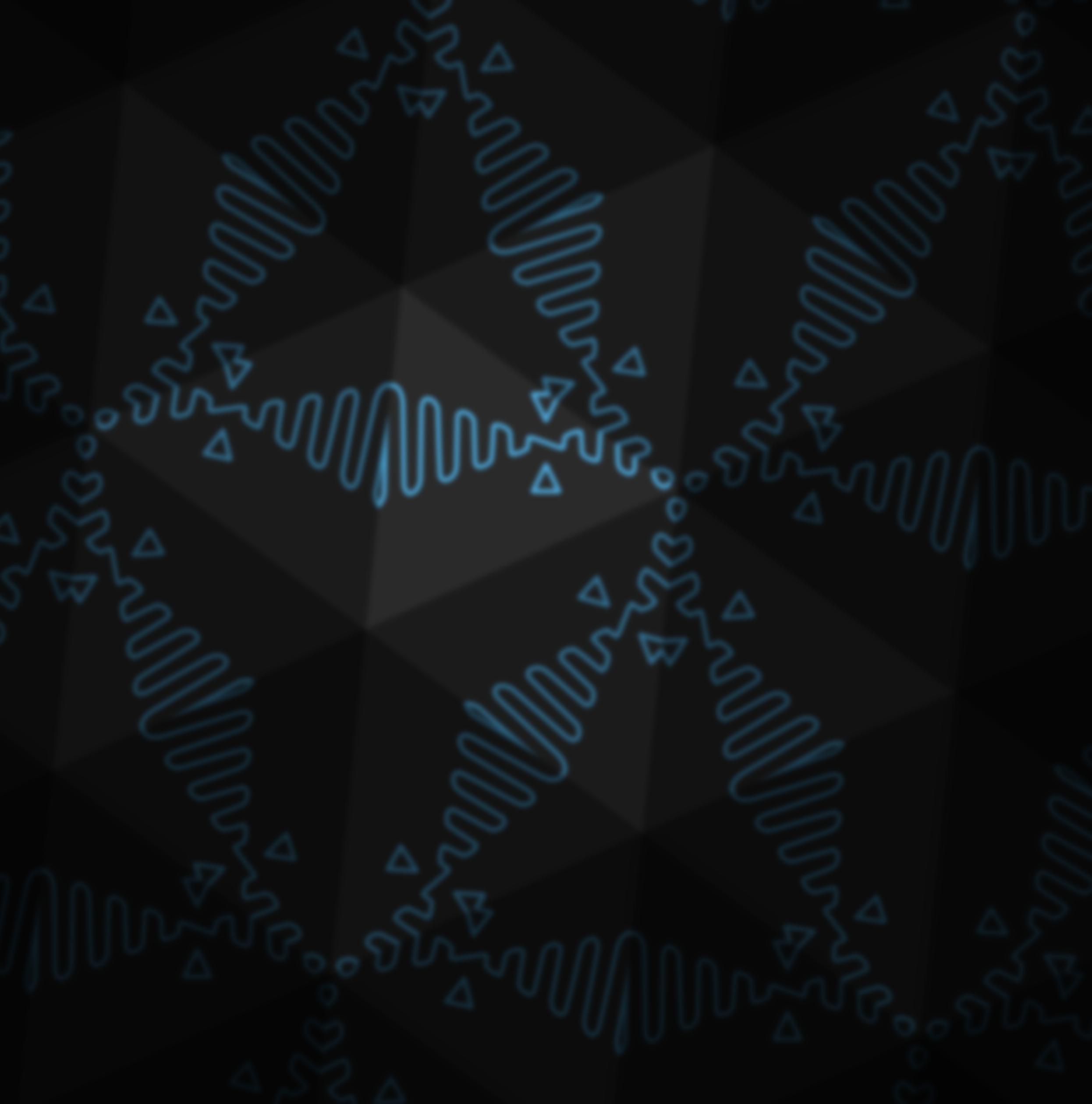
INTRODUCTION

Dipole is a through-zero flanger. It employs two delay lines with dual-mode feedback, and one of the delays is able to run earlier or later in time in relation to another. As this time difference passes through the zero point, a very special sound transition occurs: with positive feedback, **Dipole** produces that coveted spectral "swoosh" effect of a jet plane fly-by – and with negative feedback the output signal warps and eventually cancels itself out. In the old days of audio production, such effects were created manually using two parallel tape machines - but now **Dipole** recreates that charismatic flanging, chorusing and psychedelic stereo widening with much higher fidelity and ease of use. The plugin offers both manual control of the zero point as well as modulation via its built-in multi-waveform generator.

SPECIFICATIONS

SOUND ENGINE

– Flanger engine with through-zero time capability and positive/negative feedback

– Modulation generator with four different waveforms and variable stereo phase offset

– Optional modulation generator host tempo and transport sync

– Low-cut filter and feedback self-leveling to ensure stable operation even at the most extreme settings

– 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%

SUPPORTED FORMATS

– **Mac**: 64-bit **AAX**, **AU**, **VST3** plugins for Intel and Apple Silicon processors, requires Metal graphics support and macOS 10.9 or later

– **PC**: 64-bit **AAX**, **VST3** plugins for x86 processors, requires Windows 8.1 or later

– **Linux**: 64-bit **VST3** plugin for x86 processors, requires a fairly recent Linux distribution

INTERFACE

Dipole 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 **Dipole** is loaded.

Reduce window size

Flanger

Modulation

Preset toolbar

Input and output mix

Increase window size
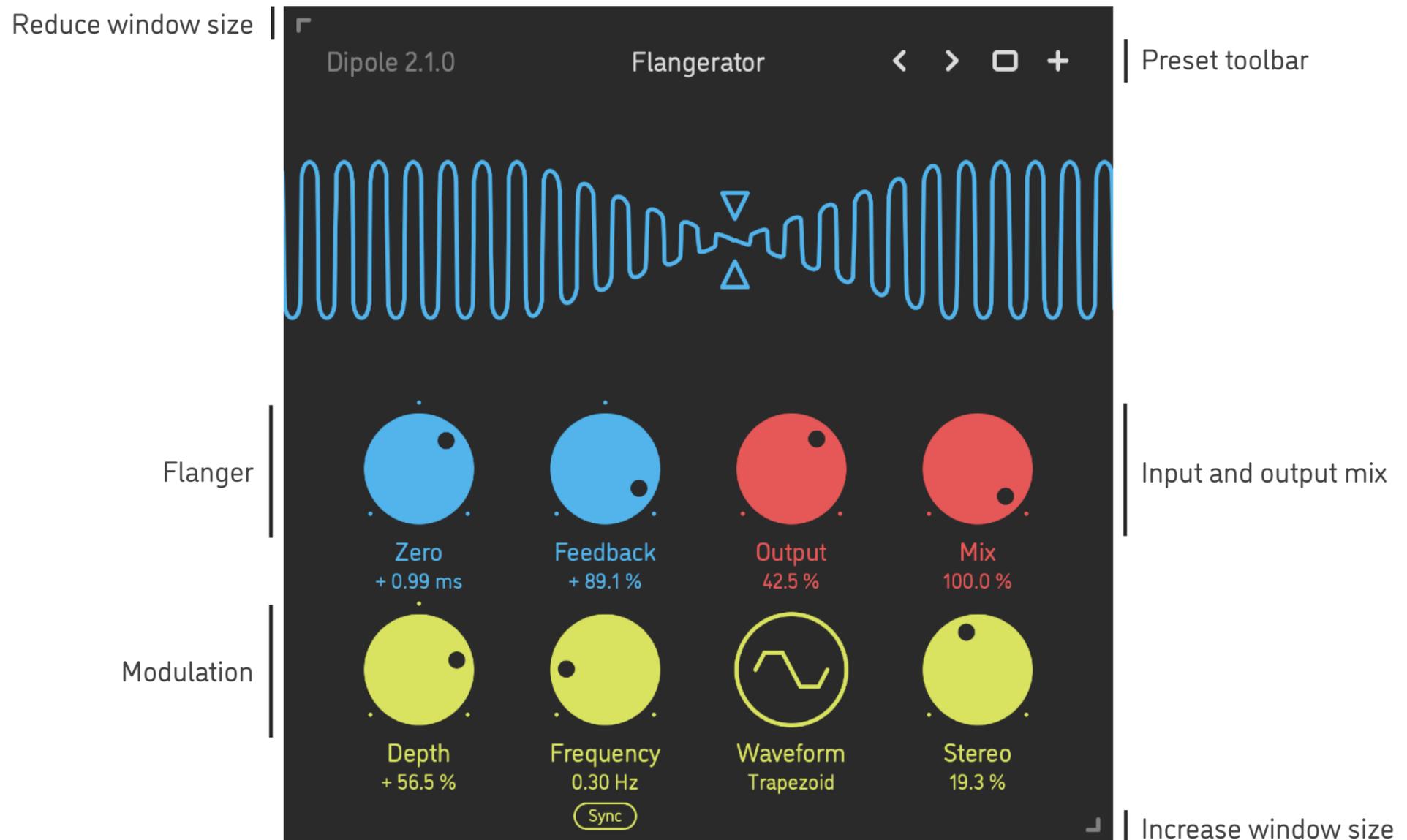
- Hold *shift* and drag a knob to adjust the parameter with increased resolution.

- Use *option-click* (Mac) or *alt-click* (Windows, Linux), or *double-click* any knob to recall its default setting.

- To fully initialize all plugin's parameters, load the preset named *Default* from the *Factory* or the *User* bank.

PARAMETERS

Zero	–3 .. +3 ms	Time difference between the flanger engine's dual delay timelines
Feedback	–100 .. +100 %	Amount of output signal being fed back into the flanger's input; also switches the internal routing mode depending on whether the value is negative or positive
Output	0 .. 100 %	Wet output signal level of the flanger engine
Mix	0 .. 100 %	Balance between dry input and wet output
Frequency	0.01 .. 10 Hz	Modulation generator speed in Hertz (when the Sync switch is off)
Rate	1/16 .. 16/1	Modulation generator speed as a host tempo fraction (when the Sync switch is on)
Sync	On / Off	Defines whether the modulation generator frequency/rate is set in Hertz or as a fraction of the current host tempo; when this switch is on, the modulator phase is also being continuously synchronized to the host transport location
Depth	–100 .. +100 %	Amount of modulation signal applied onto the Zero parameter
Waveform	. . .	Modulation generator shape: sine, triangle, trapezoid, parabolic
Stereo	0 .. 100 %	Modulation generator phase offset between left and right channels

PRESETS

Dipole 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 at the top to show the list of presets in the current bank. Use *command-click* (Mac) or *control-click* (Windows, Linux) to reveal the actual preset file in the system file browser.

<   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

SINEVIBES

DOWNLOADABLE
SUPERPOWERS