



Whirl

barber-pole phaser

AU + VST plugin for Mac

INTRODUCTION

Whirl is a barber-pole phaser. It is based on a Bode frequency shifter model with a feedback line, an algorithm which creates unique spectrum peaks and notches that move upwards or downwards in a seemingly endless fashion – with one spectrum sweep smoothly morphing into the next one, like an audible illusion. **Whirl** features up to three fully synchronized barber-pole phaser stages: this allows you to control how gentle or dramatic the effect is. At its most extreme settings, **Whirl** is capable of deeply resonant filtering: it almost individually suppresses and accentuates different frequency harmonics. By design, the spectrum sweep frequency is bipolar - and can go from downwards to upwards motion and back completely seamlessly.

SOUND ENGINE

- Barber-pole phaser based on Bode frequency shifter, with up to three sequential stages and progressive feedback
- Variable stereo phase offset
- Lag filters on all continuous parameters for smooth, click-free adjustment
- Supports mono > mono, mono > stereo, and stereo > stereo channel configurations

GRAPHIC INTERFACE

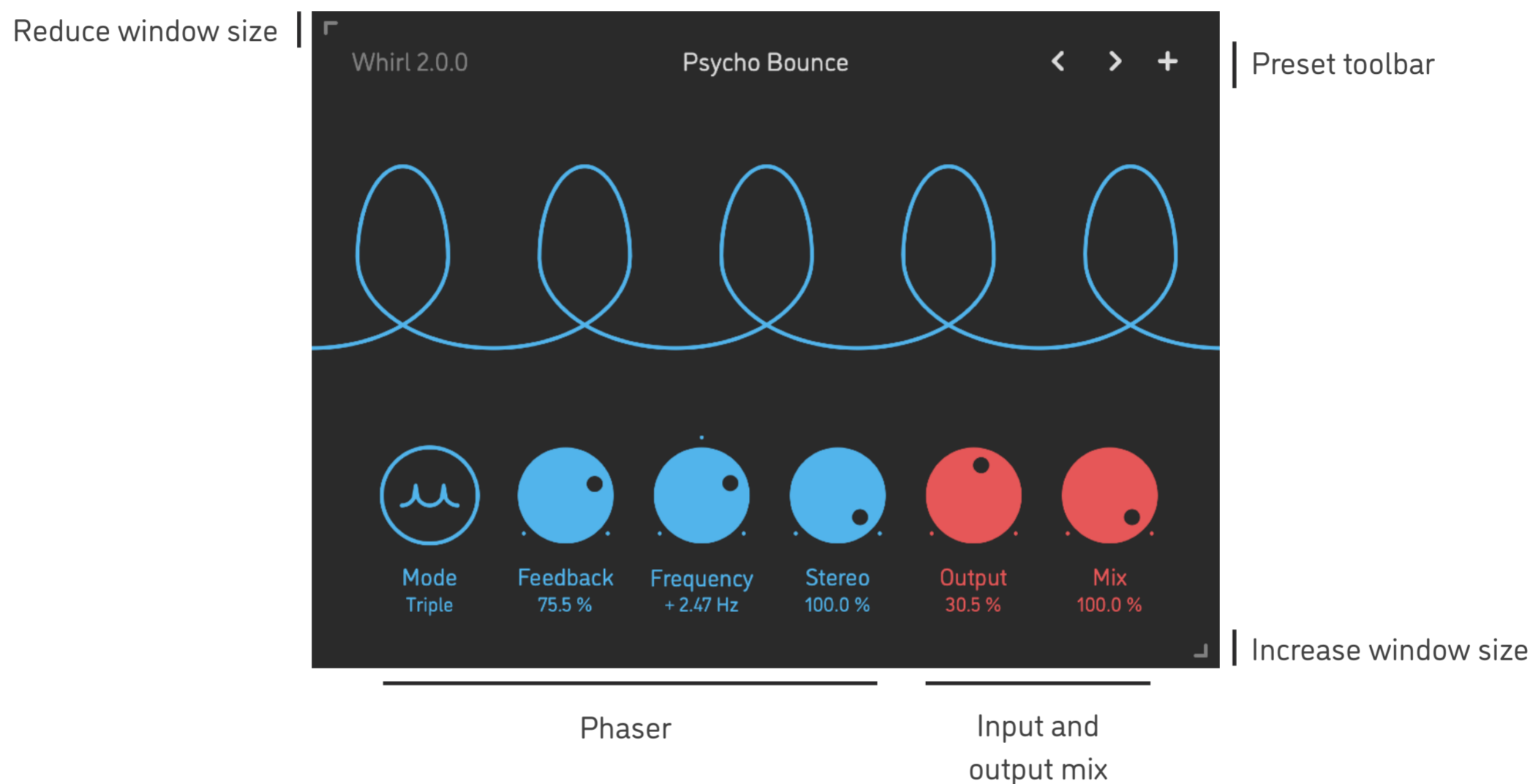
- Color-coded graphic elements
- Consistent name, mapping, value, and unit implemented for all parameters in both graphic user interface and host control/automation
- Built-in preset management functions
- Supports window size scaling up to 200%

SYSTEM REQUIREMENTS

- Mac computer running macOS 10.9 or later, with either Intel or Apple processor
- Host application with support for AU or VST3 effect plugins in 64-bit format

INTERFACE

Whirl features a fully vector-based interface, with color-coded elements for effective visual grouping. The interface allows you to change its size in 20% increments. The last adjusted size scale is also stored in a preference file (shared between all plugin formats) and is recalled next time **Whirl** is loaded.



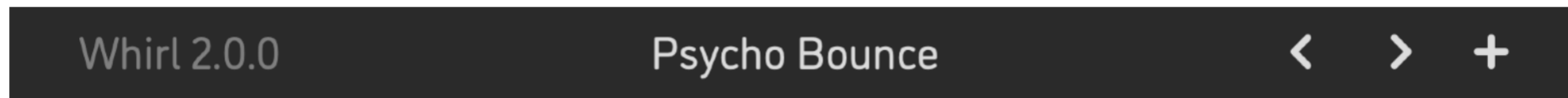
Use *option-click* or *double-click* on any knob to reset it to its default value. Use *shift-drag* to increase the parameter adjustment resolution 10 times. To completely initialize the plugin settings, you can also load the *Default* preset, which is included in both *Factory* and *User* banks.

PARAMETERS

Mode	–	Number of sequential Bode phaser stages
Frequency	-20 .. +20 Hz	Bode phaser frequency (amount of full spectrum sweeps per second) and direction: downwards (-) or upwards (+)
Feedback	0 .. 100 %	Amount of output signal being fed back into the phaser's input
Stereo	0 .. 100 %	Phase offset between left and right channels
Output	0 .. 100 %	Wet output signal level of the barber-pole phaser engine
Mix	0 .. 100 %	Balance between dry input and wet output

PRESETS

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



Click on the preset name to show the open file dialog with the list of presets in the currently selected bank (you can navigate between different banks as well as to any custom location)

Option-click

Show open file dialog with the list of preset banks

Command-click

Reveal the currently selected preset file in Finder

Use the < and > buttons to switch back and forth between the presets in the currently selected bank

Click the + button to show the file save dialog

IMPORTANT NOTE: due to the limitations of the user interface font, you can only use latin letters when naming your presets

The preset files are located in */Library/Audio/Presets/Sinevibes/Whirl v2*. By default, **Whirl** includes two banks: *Factory* and *User*. However, you can freely create additional banks – simply by adding subfolders.



SINEVIBES

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