



MICROPITCH

User Guide

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Eventide Inc.

One Alsan Way

Little Ferry, NJ 07643

201-641-1200

www.eventide.com

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1.1 About This Product

Thank you for your purchase of the Eventide MicroPitch plug-in. MicroPitch is a fine-resolution pitch shifter for subtle tone fattening, plus delays for interesting slap back effects. For over 40 years, innovative effects like these have made Eventide an industry leader, and we are proud that they continue to be in demand today.

Thank you for your purchase, and before you forget, please take a few minutes to register online. This helps us keep you informed of any important software updates, and any special offers that may only be available to registered users.

MicroPitch is a fine-resolution pitch shifter ideal for vocal doubling, tone fattening, and unique delays. With independent control of each pitch shifter's shift amount and delay time, plus feedback and modulation controls, MicroPitch makes it easy to create pristine chorusing effects, deep pitch dives, haunting echoes, and more.

MicroPitch can be used as Mono-In Mono-Out, Mono-In Stereo Out, or Stereo-In Stereo-Out.

2.1 Navigating the Plug-In

The MicroPitch user interface is designed with an emphasis on user control and playability. Specifically, the large knobs are easily adjusted with an up-and-down motion of the mouse/finger, and all controls produce a smooth change in the audio, allowing you to glitchlessly shape the effect as you desire. Additionally, each number box can be double-clicked in order to type in parameter values. Furthermore, the RIBBON allows you to program two settings for any combination of the controls and seamlessly morph to any sound between them. This combination of controls is intended to bring you as close to the experience of manipulating real hardware as is possible in a virtual environment.

2.2 Levels and Monitoring

IN	Controls the input level to the plug-in, between -60 dBfs and +12 dBfs. This parameter sets the input level for both the wet and dry signals.
OUT	Controls the output level of the plug-in, between -60 dBfs and +12 dBfs. This parameter sets the signal level after the mix control.
IN/OUT METERS	Indicates the audio level before and after the algorithm. These meters are after the IN control and OUT control, respectively, to aid in level adjustment.

2.3 MicroPitch Parameters

MIX	Relative level of the wet and dry signals.
PITCH MIX	Ratio of the level of PITCH A to PITCH B.
PITCH A	Amount of pitch shift up for voice A, from unison to +50 cents.
PITCH B	Amount of pitch shift down for voice B, from unison to -50 cents.
DELAY A	Amount of delay for voice A in milliseconds, or note-based if TEMPO MODE is on.
DELAY B	Amount of delay for voice B in milliseconds, or note-based if TEMPO MODE is on.
MOD DEPTH	Amount of pitch modulation around the each voice's current pitch, from 0 cents (knob at 0) to 2x pitch (knob at 100).
MOD RATE	Relative speed of the pitch modulation.
FEEDBACK	Amount of feedback for DELAY A and DELAY B.
TONE	Applies filtering to voice A and voice B.
TEMPO SYNC	<p>Tempo mode of the plug-in. When Off, the DELAY A and DELAY B amounts are in milliseconds.</p> <p>When in Sync or Manual mode, the DELAY A and DELAY B amounts are in beat values, relative to either the tempo of the session (Sync), or a tempo which can be set by dragging the displayed tempo value up and down or tapping the TAP button (Manual).</p>

2.4 Performance Controls

USING THE RIBBON

The RIBBON allows the dynamic modification of several knobs at once, emulating what you would be able to do with real hardware in front of you. By programming left and right ranges for any knob, the RIBBON lets you morph between settings by clicking anywhere on the RIBBON and moving the electric arc back and forth.

To program the settings for the RIBBON, click on the white dot at the tip of any knob and drag it to the desired setting for the left hand side of the RIBBON. This will program the knob and draw a blue arc from the initial knob position to the new, programmed knob position. Now to adjust the knob position for the right side of the RIBBON, click on the blue dot at the opposite side of the arc and adjust it to the desired position for the right side of the RIBBON. If you wish to adjust the RIBBON programming for any knob, simply grab the dots at either end of the mark and adjust them to the desired position. To clear the RIBBON programming for any knob, simply right click on the dot at either end of its arc, or move the dots to be on top of each other.

Alternatively, the RIBBON can be programmed by pressing the button on the left or right side of the RIBBON, and then moving any knob to its desired RIBBON position for that side. The RIBBON programming can be cleared for all knobs by right clicking the button on either side of the RIBBON.

Additionally, the RIBBON is programmed to follow MIDI Continuous Control (CC) #1 messages (a.k.a. Modulation Wheel). This enables you to use the Modulation Wheel on a MIDI device to move many knobs at once.

ACTIVE

Turns the effect ON or OFF.

Active can be toggled via MIDI Continuous Control (CC) #2 messages. It will toggle when the CC goes from low (value < 64) to high (value \geq 64).

FLEX

While pressed, doubles the pitch shift amount of both voices.

FLEX can be controlled via MIDI Continuous Control (CC) #3 messages. It will toggle when the CC goes from low (value < 64) to high (value \geq 64).

TAP

When TEMPO MODE is Off, tapping will update the DELAY A and DELAY B amount in milliseconds. When TEMPO MODE is Sync, tapping will do nothing. When TEMPO MODE is Manual, tapping will update the tempo value of the plugin.

TAP can be controlled via MIDI Continuous Control (CC) #4 messages. Tap is triggered when the CC goes high (value \geq 64), and will return to the off state when the CC is low (value < 64).

2.5 Preset Bar



Located at the top of the MicroPitch Plug-In, the Preset Bar lets you load and save presets, along with several other features.

When MicroPitch is installed, a library of settings is placed into the `<user>/Music/Eventide/MicroPitch/Presets` folder (Mac) or the `<user>/Documents/Eventide/MicroPitch/Presets` folder (Windows). These presets have a `.tide` extension and can be saved or loaded from the MicroPitch preset bar in any supported DAW.

In many DAWs there is an additional generic preset bar that saves DAW-specific presets to a separate location. We recommend saving your presets using the Eventide preset bar to ensure that your presets will be accessible from any DAW. You can also create sub-folders inside the preset folders, if you wish.

LOAD AND SAVE Allows you to load a `.tide` preset that is stored anywhere on your computer. Save allows you to save a new preset to anywhere on your computer, but it is recommended that you place it somewhere in the `<user>/Music/Eventide/MicroPitch/Presets` folder (if on Mac) or `<user>/Documents/Eventide/MicroPitch/Presets` folder (if on Windows), so that it is accessible from the Preset dropdown. Note that you can create subfolders for your presets, for easier navigation and organization.

COMPARE Allows you to toggle between the current settings and the last saved or loaded preset. This allows you to save or load settings that you like, tweak as you please, and return to the original settings for comparison.

INFO Opens this User Guide, for quick access from the MicroPitch plug-in.

We hope you enjoy the MicroPitch plug-in and put it to good use in all of your mixes. Please be sure to check over Eventide's other Native Plug-In offerings for more unique and interesting effects.