

Wire Grind

Arch Tremesis

User Manual



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Overview

Arch Tremesis is a VST tremolo effect from Wire Grind. Its features include a threshold-triggered LFO, 11 modulation waveforms, sidechain processing, controls for limiting & forcing LFO oscillations, and ducking.

Features

LFO Triggering

The LFO is triggered by signal level. This helps to synchronize the oscillations with musical notes regardless of when the notes happen to occur.

Set The Number of Oscillations

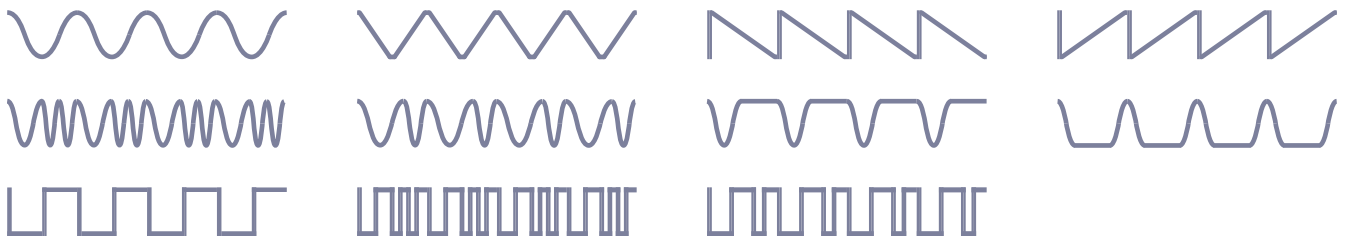
You can set the exact number of oscillations you want. The number can be modified with “at least,” “at most,” and “exactly” options.

Sidechain-Ready

The LFO can be triggered using a sidechain signal. For example, you could use a kick drum trigger modulation on a pad sound.

Eleven Waveforms

There are 11 modulation waveforms. These are shown below.



Highly Automatable

Make your tracks more interesting by automating Arch Tremesis's parameters. Nearly every parameter can be changed in real-time without friction.

Other Features

- Threshold-triggered oscillations
- 11 waveforms
- Sidechain
- LFO cycling controls
- LFO onset delay
- Ducking
- Linked/independent channel processing
- Strong trigger signal filtering
- Look-ahead

- Trigger signal scope
- Undo / redo
- A / B settings banks

Demo Version Limitations

There are two differences between the demo versions the full versions:

- The demo version is unable to save settings.
- The demo version periodically ads a tone of chirp sound to the output.

Installation

This program comes with a set up application that will guide you through the process. You will likely need to unzip or extract the download package before running. With some computer setups, you will also need to close any running audio applications.

Uninstall

The program can be removed using Windows' add/remove utility.

System Requirements

Operating System

Windows versions 7 through 11.

Supported Host Programs

A program supporting 64-bit VST3 effects plugins is required.

Internet Access

Access to the world wide web is required for installation. If the plugin is being installed on an offline computer, a small amount of data will need to be copied from one computer to the other.

Specifications

Supported Sample Rates

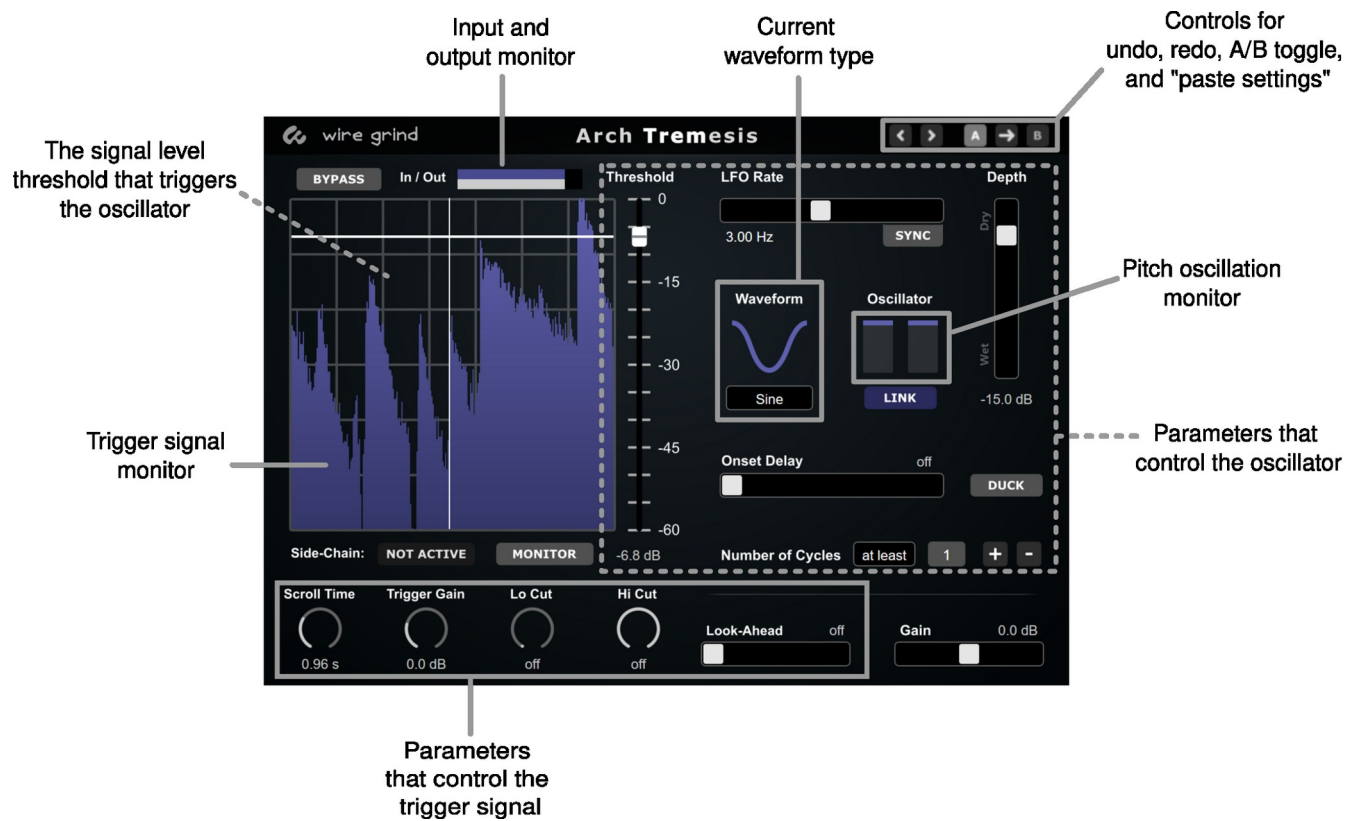
All features are supported for the following sample rates: 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192.0kHz.

At other sample rates, the oversampling feature will be non-functional. Additionally, non-listed sample rates have not been tested. If in doubt, please try the free demo version.

Plug-in Format

VST3, 64-bit

Software Interface At A Glance



Software Interface Details

Bypass

When bypass is active, the input audio is passed directly to the output for monitoring. The scope and the gain meters will continue to operate as normal. To completely stop the plugin, check if your DAW host program has an option to disable plugins.

Duck

Normally, the software will begin to modulate when the input signal exceeds the level set by the threshold parameter. When duck is enabled, the process is inverted. The effect oscillates when the input signal fall below the threshold.

Hi Cut

Sets an upper roll-off frequency for filtering the trigger signal.

In/Out

This displays the levels of the input and output signals. If you are using an external side-chain, the input will differ from what is displayed on the scope.

Link

This button determines whether or not the channels are modulated in unison. When enabled, modulation will begin on all channels whenever the threshold is exceeded on any channel. When disabled, each channel operates independently of one another.

Lo Cut

Sets a lower roll-off frequency for filtering the trigger signal.

Look-Ahead

This parameter will cause the effect to “look into the future” to detect level changes. This information is then used to apply an envelope to the present.

Monitor

When engaged, the control signal becomes the output. In normal operation, the output is the processed input signal. When side-chaining, the output is the auxiliary input.

Number of Cycles

This parameter as three mode options.

This parameter gives the number of oscillator cycles. Is also includes a mode setting that tells the effect how to use that number. The mode settings are described below.

At least

When the threshold amount is exceeded, the oscillator will do at least the given number of cycles.

At most

When the threshold amount is exceeded, the oscillator will do at most the given number of cycles.

Exactly

When the threshold amount is exceeded, the oscillator will do exactly the given number of cycles.

Onset Delay

This parameter delays the onset of oscillations. It can be used to allow transients through prior to the oscillations. You may other uses for it as well.

Out Gain

The amount of gain applied to the output signal.

Oscillator Frequency

This sets the frequency of the pitch modulator. See also “SYNC.”

Scope

This feature visualizes the levels of the trigger signal after being filtering, look-ahead, and mid-side processing has been applied. The scope shows the highest and lowest signal levels over time. Sometimes the scope may appear to only show single signal level. This happens under the following circumstances: The highest and lower signals are the same level, the signal is mono, the scope is displaying either a “mid” or “side” signal.

The solid horizontal line show the threshold while the dotted lines show the upper and lower edges of the knee.

Scroll Time

This parameter sets how fast the scope scrolls.

Side-Chain

Shows the status of the the side-chain. If the side-chain is being used, the box to the right turns red and reads “active.” When not in use, the box will be gray and read “not active.” Side-chaining turns on automatically whenever your DAW is configured to use it.

When speaking about side-chains, the terms “internal” and “external” are often used. These two terms are synonymous with “not active” and “active,” respectively.

Sync

This button toggles the units used by the oscillator frequency control. When gray, the frequency is given in Hz. When blue, the frequency is given as a note length. The effect will use tempo information from your host program to calculate note lengths.

Threshold

When the control signal level is above the threshold, the gate opens. When the control signal level is below the threshold, the gate closes.

Trigger Gain

This parameters adjusts the gain of the trigger signal. While it will impact envelope detection, it will not alter the level of the output.

Depth

This parameter sets the strength of the effect. It works a lot like a wet-dry cross fader.