



## NoisePalette



## USER GUIDE

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## Overview

SirenFX NoisePalette is a versatile noise generator, capable of generating signals with variable power spectra using a high quality spectral tilt filter.

It is customary to assign colours to different noise spectra, such as the “white” and “pink” noises audio engineers are so familiar with. These noise signals have a constant spectral roll-off, often found in many natural processes. Therefore, they sound more natural than noises shaped with more classical filter designs.

NoisePalette is unique because it allows you to dial in the precise spectral roll-off, from red (-6 dB/Oct) to violet (+6 dB/Oct). The generated noise signal can then form the basis for a wide range of useful sound effects, by sending it through a modulator, granular synthesizer, or any other processor. Such effects range from room tones of vehicle cabin interiors, natural ambiences such as rain, wind, and surf, or the high-frequency sounds of gas leaking and fizzing. Alternatively, the noise signal can be mixed into existing sound assets to thicken or give them more presence.

## Installation/Setup

NoisePalette is available as a 64 bit VST3 plugin on Windows and a 64 bit VST3 and AU plugin on macOS. A VST3 or AU compatible DAW is also required to run the plugin.

### Windows

Download the .zip file for Windows and extract the contents in your local computer. The .zip file contains a .vst3 file. Copy this file to the directory where you have your plugins stored. For Windows this is usually in:

C:\Program Files\Common Files\VST3\

However you can place the .vst3 file in any directory included in your DAW's VST path list.

### macOS

Download the .package installer. Launch the installer application and follow the setup instructions. This will install the plugin in the following directories:

Macintosh HD/Library/Audio/Plug-Ins/Components/

Macintosh HD/Library/Audio/Plug-Ins/VST3/

To uninstall SirenFX NoisePalette simply delete the plugin files and directories.

## Interface



The user interface

The SirenFX NoisePalette user interface consists of a header panel for preset management and other options, a footer panel for undo management and extra information, and the main plugin interface.

### Header Panel



The header panel

The header panel at the top of the plugin is mainly used for preset management as well as some other options.

**INIT Button:** Initialises the plugins state to its default parameter values.

**SAVE Button:** Saves the plugin state if it has changed.

**SAVE AS Button:** Saves the plugin state as a new preset. A dialog will open asking you to enter a name for the preset.

**PRESET Menu:** Clicking on the preset name will open a menu with the list of all available presets. Right-clicking also opens a context menu with further options to import and export presets. You can also use the left/right arrow buttons to load the previous or next preset.

**RANDOM Button:** Randomises all the parameter values of the plugin.

**SETTINGS Button:** Opens a new window with more information about the plugin.



The about window

## Footer Panel



The footer panel

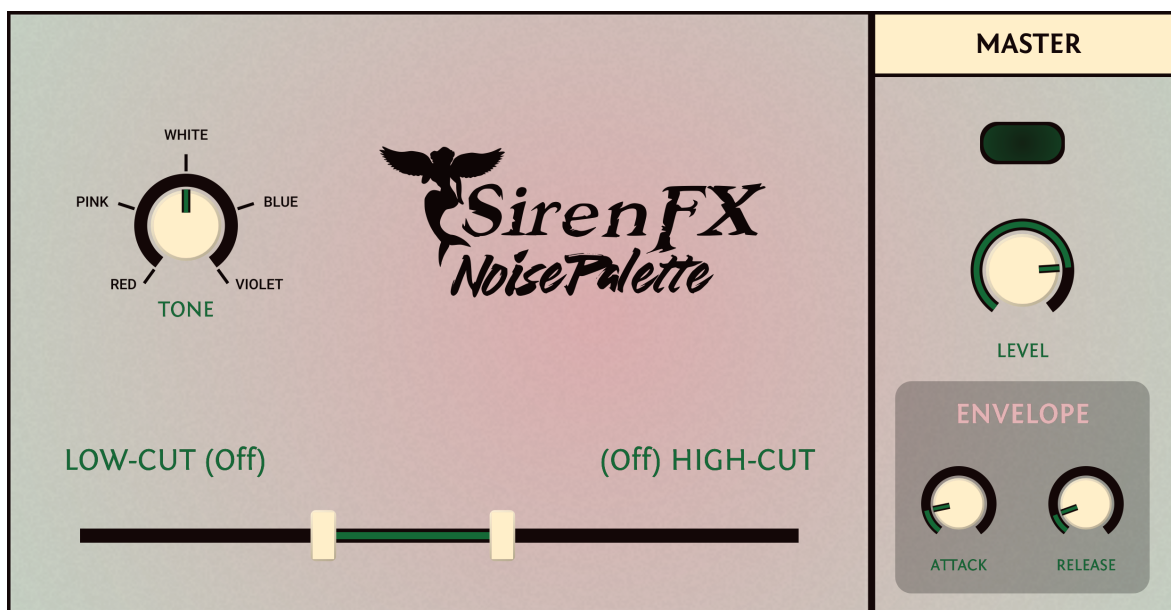
The footer panel at the bottom of the plugin is mainly used for undo management and also displays information about a parameter when a mouse is hovering over a controller.

**UNDO/REDO Buttons:** Used to undo or redo an action.

**PANIC Button:** Displays the current CPU load. Clicking the button will also shutdown all audio processing.

**RESIZE Corner:** Drag the corner to resize the plugin.

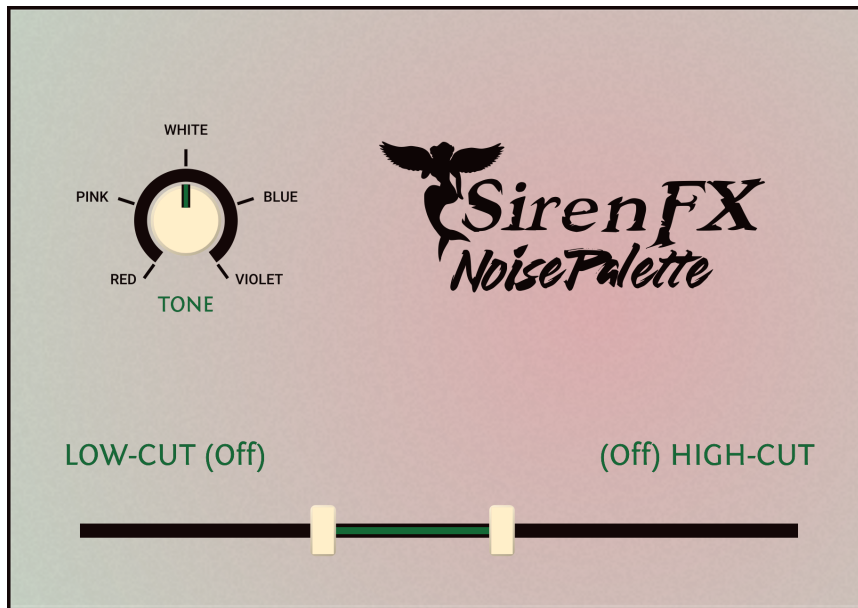
## Main Panel



The plugin panel

The main panel consists of various sliders for controlling the plugin parameters. Hovering your mouse over a slider will show the exact value of the parameter on the label. Double clicking a label will enable you to enter a precise value for that parameter, while double clicking on a slider will reset the parameter to its default value.

## Main Section



The main section

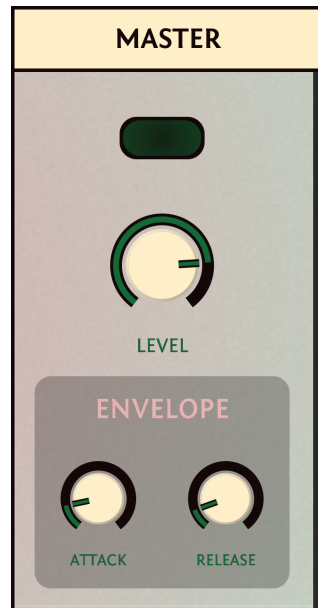
The main section of the plugin is used to shape the overall spectrum of the noise signal.

**Tone:** Controls the spectral rolloff factor, ranging from -6 dB/Oct to + 6 dB/Oct.

**Low-Cut/High-Cut:** The two values of this range slider control the cutoff frequencies of the lowpass and highpass filters. Right-clicking on the labels will open a context menu allowing you to set the filter order (ranging from 6dB/Oct to 24 dB/Oct) or to disable the filter entirely.



## Master Section



The master section

The master section controls the overall output gain of the signal and also applies an exponential amplitude envelope.

**Gate:** Turns the plugin on and off.

**Level:** Controls the overall volume of the output signal.

**Attack:** Controls the attack time of the envelope.

**Release:** Controls the release time of the envelope.

## Preset Management

Presets are saved in the following directories:

### **Windows**

C:\Users\[user]\AppData\Roaming\SirenFX\NoisePalette\presets

### **macOS**

[user]\Library\Application Support\SirenFX\NoisePalette\presets

You can further manage your presets (rename/delete) by opening the preset directory in Explorer/Finder. Note if an instance of the plugin is already running, and changes will take effect after the plugin is relaunched.

## **Support**

### **Install Paths**

#### **Windows:**

VST3: C:\Program Files\Common Files\VST3\

Data: C:\Users\[user]\AppData\Roaming\SirenFX\NoisePalette\

#### **macOS**

AU: Macintosh HD/Library/Audio/Plug-Ins/Components/

VST3: Macintosh HD/Library/Audio/Plug-Ins/VST3/

Data: [user]/Library/Application Support/SirenFX/NoisePalette/

### **Contact**

For technical support please contact us at [support@sirenfx.io](mailto:support@sirenfx.io).

For any other questions please contact us at [contact@sirenfx.io](mailto:contact@sirenfx.io).

### **License**

A copy of the End User License Agreement for this software is included in the .zip folder in Windows and can be found in the Data directory in macOS.

### **Thank You**

Thank you for your purchase! We hope you enjoy using this plugin.