

DubSiren

USER MANUAL

REVISION 4

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Overview

Thank you for choosing DubSiren, Tek'it Audio virtual re-creation of the siren sounds made famous by Jamaican sound system.

DubSiren is a siren synthesizer that creates fat siren sound by giving you full control over the sound, an echo/ping-pong delay and a hard clipping distortion.

We hope you enjoy this software, and love creating music with it. Please, take the time to read this manual and learn how to exploit all the feature of your new plug-in.

The Tek'it Audio Team

About this Manual

In this Manual, installation procedures, features and operations are described. This PDF documents is installed with the program, you find it in the Tek'it Audio folder inside your user Documents folder and you can open it directly from the plug-in interface. This manual can also be downloaded from our website on the product page.

Feature highlights

- Siren synthesizer with full control under the sound.
- Nine modulation waveform (sine, triangle, square, ramp, rip saw...).
- Control the speed with optional sync on the beat of your DAW.
- Control the phase and the amount of the siren effect.
- Sync the phase to the MIDI note gate.
- Control the swing and smoothness of the modulation.
- Integrated echo or ping-pong delay effect.
- Delay feedback path with damping HP and LP filters.
- Hard clipping distortion and digital sound effects.
- x4 Oversampling.
- Optional notes pitch tracking.
- Full MIDI automation support.
- Easy MIDI learn on all parameters.
- Preset manager, rename, copy, save, load...
- Undo your changes to initial preset value.
- 58 Factory presets to get you started.
- Comes with a comprehensive user manual.
- Easy installer.

Requirements

Below you will find the minimum requirements for running the plug-in.

Windows

- 2 GHz or higher with SSE2.
- 4GB RAM or higher.
- Microsoft Windows® 10 or 8.
- VST™ 2 or VST™ 3 64-bit compatible host.
- Audio interface with ASIO driver support recommended and minimum 44kHz samples rates.
- To use the automation a Host with automation features and for MIDI learn a MIDI interface and an external MIDI control device is required.

macOS

- Intel CPU.
- 4GB RAM or higher.
- macOS 10.9 and latter (compatible with macOS Catalina and Big Sur).
- Audio Unit 64-bit compatible host.
- CoreAudio compliant audio interface or built-in audio hardware.
- To use the automation a Host with automation features and for MIDI learn a MIDI interface and an external MIDI control device is required.

Upgrading From an Earlier Version

If you are upgrading from an earlier version there are some important things to remember before installing the upgrade:

From version 1.x

- Uninstall the previous version before installing the upgrade.

Running the Installer

1. Locate the file called "DubSiren Installer.exe" on Windows, "DubSiren Installer.pkg" on macOS and double-click it.
2. Follow the on-screen instructions. You will be asked to choose the desired plug-in formats and an install location.
3. Run your host software and load DubSiren. Consult your host documentation for information on how to do this.



Windows: Our uninstaller keep your system clean, all the files are deleted and there are no entry left in your Windows registry.

Trial Version

The trial version gives you full functionality, but the sound stop after 20 minutes oi use, a nag-screen will pop at the start and at the time limit.

To avoid this restrictions, you will need to purchase the full version. You can buy a license at <https://tekit-audio.com/store/>.

Product Registration

If you have purchased your product from a third party seller, you can register your product online at <https://tekit-audio.com/product-registration/>.

Registering your product give you access to the update notifications, faster support, exclusive offers and a free plug-in as welcome gift.

Usage



Control Types

While using DubSiren, you will find that many parameters have similar controls. Hovering your mouse over a control will bring up a tooltip with its name or description.

Knob



To Turn a knob, click it and when drag upwards to move the knob to the right, drag downwards to move the knob to the left. For high precision control use Ctrl+Mouse. Double-click on it, reset it to the initial value of the preset.



Popup Menu

Appears on a left click or right click on a text or an icon to select a value.



Switch

A two position switch, click on it to change the position.

Preset Manager

The plug-in comes with a default bank of 128 presets.



Preset Change

Change the current preset, left to previous and right to next.



Undo All Changes

Undo all your changes to their initial preset value. If you change the preset before it does not work, because your changes are saved automatically when you switch to another preset.



Notes

Open a popup where you can write the author name of the preset and notes.



Manage Preset And Bank

Open the preset manager popup menu.



Copy Preset

Copy the current preset to another preset or a range of presets.

Load Preset

Load a preset in on the current preset.

Save Preset

Save the current preset in a directory of your choice.

Load Bank

Load a preset bank in place of the current one.

Save Bank

Save the bank of presets in a file in the directory of your choice.



Preset Selector

Display a popup menu with all the presets in the current bank. Click on one to select it as the current preset.

Current Preset Name

Display the name of the current preset. Click on it to rename the preset.

Main Parameters



Wave

Select one of the nine siren waveform. Sine, Triangle, Square, Hump, Rip Saw, Ramp, and Shark wave are available.

Speed

Change the speed of the siren from 0.1Hz to 12Hz. Right click on it to open a pop-up menu with tempo sync division.

Range

Switch the Speed control to a low range of 0.025 Hz to 3 Hz.

Sync

Synchronize the siren with the note gate so each note start at the same phase.

Phase

Control the phase of the siren.

Amount

Control the level of the siren effect.

Swing

Apply quantization on the modulation of the siren.

Smooth

Smooth the modulation effect.

Loud

Control the level of hard clipping distortion applied to the signal.

Track

Active the pitch tracking. By Default all the note are played as a G2, activating the pitch tracking give you the full pitch range.

Digital

Switch to digital waveform type, giving your sound a more electronic feel.

Delay

P. Pong

Switch from an echo type delay to a ping-pong delay.

Invert

Invert the right and left channel delay in ping-pong mode.

Feedback

Control the amount of feedback applied to the delay.

Dry/Wet

Control the amount of delay applied to the siren from 100% dry to 100% wet.

Low

Control the frequency of the Low Frequencies damping filter used in the delay feedback path.

High

Control the frequency of the High Frequencies damping filter used in the delay feedback path.

MIDI

DubSiren have integrated MIDI learn and full automation on all parameters.

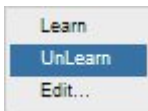
Integrated MIDI learn

All parameters can be controlled by an external MIDI controller easily, simply right click on the parameters you want to control and the Learn popup menu appear.



Learn

Click on Learn, move a control on your MIDI device and it will automatically assigned.



UnLearn

Click on UnLearn will clear the controller.

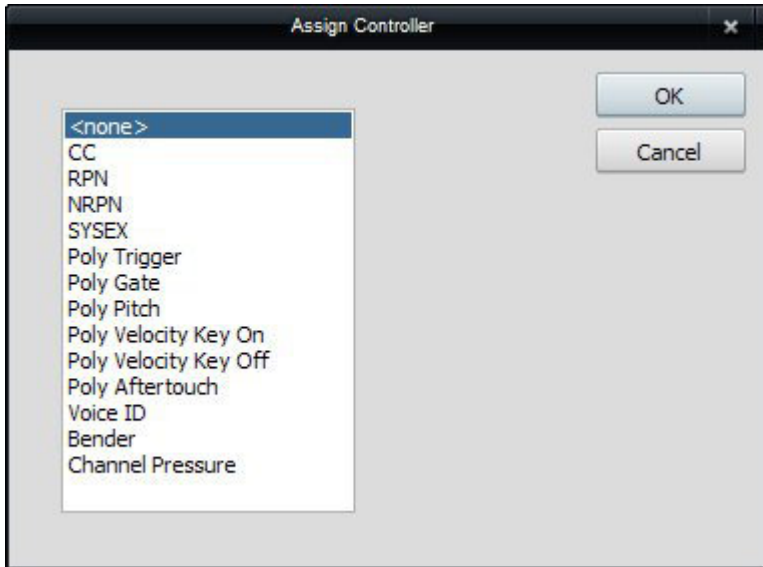


Some hosts (like FL Studio) filters MIDI CC messages coming from MIDI controller, integrated MIDI learn can't work properly in such hosts.

Edit...

Click on Edit will open the Assign Controller dialogue.

You can change manually the MIDI controllers using 7bit MIDI Continuous Controller or High resolution 14bit MIDI NRPN and RPN.



Automation

Each controls can be automated using your host automation features. Consult your host documentation for information on how to do this.

Updates and Support



Updates will be made available online on your account at <https://tekitaudio.com/myta/>

When a new update is released you will receive an email to notify you of its availability.



Additionally you can follow us on Twitter for instant updates and news at <https://twitter.com/TekitAudio>



For any help and support consult our online support at <https://tekitaudio.com/support/>



For ideas, complaints, sound demo, presets and anything you feel is worth sharing, please use our contact form at <https://tekkit-audio.com/contact-us/>

If you prefer, you can contact our team directly by email at contact@tekitaudio.com

Changelog

2013/12/20 - 1.6.1

BUG MIDI Learn pop-up doesn't show up on Loud and Wave controls, resolved.

BUG user manual won't open with the internal link, resolved.

Adds 25 new presets made by John Finter (<https://soundcloud.com/john-finter>).

Removes unneeded plug-in parameters.

Updates support URL.

UI footer content moved to top bar and plug-in height reduced.

UI other minor changes.

Improves Installer.

User Manual updated.

2013/06/26 - 1.6

Some optimizations on data conversions.

Reduces plug-in load time.

UI Some hint texts updated.

UI Social and Info screens updated.

Adds 16 new presets made by Ones & Zeros.

SETUP Adds uninstall icon.

SETUP other small improvements.

User Manual updated and improved.

DEMO the plug-in now work without limitations for 10 minutes.

2012/11/30 - 1.5

Bug bad knob mouse movement behavior, resolved.

Bug User Manual don't open on click on the shortcut button, resolved.

Bug pong switch automation wrong name, resolved.

Modulation amount can now be 0.
Higher Modulation amount range.
Speed max value modified from 8Hz to 12Hz.
Adds Modulation Hold switch.
Adds 7 modulation waveform with selector.
Adds Speed low range selector.
Adds digital sound effect.
Adds modulation swing and smoothing.
Delay Wet knob range are now 100% dry/0% wet to 100% wet/0% dry
UI Wet knob renamed dry/wet
UI renamed LF and HF to Low and High.
UI controls reordered.
UI background updated.
UI smoother knobs animation.
UI more realistic shadows on the knobs and background.
UI Social and Info screens updated.
Adds 4 new presets.
Adds default presets bank to the install.
Improved Installer.

2012/09/01 - 1.0

First public release.

Credits

Development & Design

Michaël Dubois

Product Management

Michaël Dubois

Graphic Design

Michaël Dubois

Sound Design

John Finter

Michaël Dubois

Ones & Zeros

Software Test

Justin O'Quinn

Michaël Dubois

Simon Anthony Field

Documentation

Michaël Dubois

Demo Materials

Michaël Dubois

Special Thanks to

Electrobass

Everyone else who has contributed to the "DubSiren" development in any way.

Create, play !



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