



This document contains the following topics:

- n **1. Description**
 - n **2. System Requirements**
 - n **3. Installation**
 - n **4. MIDI Implementation Chart**
 - n **5. Version History**
 - n **6. Technical Support and Contact**
 - n **7. FAQ - Frequently Asked Questions**
 - n **8. Update and Upgrade Policy**
 - n **9. License**
 - n **10. Evaluation and Registration**
 - n **11. Plug-in Credits**
 - n **12. Acknowledgements**
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1. Description

Overview

DAL FLUTE is a hybrid flute emulator combining multi-samples of real flutes with a Digital Signal Processing (DSP) engine. Offers control over several parameters allowing you to sculpt new and interesting sounds.



Features

- | Hybrid Synthesis that combines sample-playback engine with native DSP processing.
- | Powerful multi-mode filters, envelopes, and LFOs give a wealth of creative possibilities.
- | Flute Selector: Normal, Bright and Pan Flute modes (Rotary switch selection)
- | 24 presets redesigned in a wide range of styles (8 for each mode: Normal, Bright and Pan).
- | FULL MIDI Automation: Complete MIDI Continuous Controller
- | The flute simulation in DAL Flute is controlled by the following parameters:

Sections

LFO2 Section:

- | 1 LFO -Low Frequency oscillator- with 6 waveforms (Sine, saw, ramp, triangle, pulse & S&H) + Speed, Pulse Width , Depth.
- | 1 LFO -Low Frequency oscillator- with 5 waveforms (Sine, saw, ramp, triangle & pulse) + Speed, Pulse Width , Depth.

Envelope2 Section:

- | Filter Envelope: ADSR (Attack, Decay, Sustain, Release) and Control the amount of the Filter Envelope Generator (Knob setting the Gain of the envelope)
- | Amplifier Envelope: ADSR (Attack, Decay, Sustain, Release)

Moog Filter Section:

- | Cutoff Frequency: Controls the Filter's Cutoff Frequency.
- | Resonance: Emphasizes the Cutoff Frequency.

Glide / Pitch Section:

- | Variable note glide speed.
- | Variable Pitch.
- | Mono and Retrigger switch: Possibility of turn the synth into Mono Mode and Retrigger switch.
- | X-Y axis Glide/Pitch: Drag and Drop option for Glide/Pitch effect, by clicking-and-dragging a point in an X-Y axis.

Miscellaneous Section:

- | Signal's Harmonic Spectrum (Freq. analyser).
- | MIDI Channel selector : 1 to 16
- | Output Control: Emphasis and Volume knobs.
- | Web link button to " register full version" in demo, and web-link to website in registered version.

* **Hybrid Method** combines mastered multi-samples, normalized and noise-reduced. Based on PCM (Pulse Code Modulation) recordings of real flutes. Full length sustain samples, no loops (natural decay), stored in 16 bits and 44.100 KHz and Digital Signal Processing (DSP) engine.



2. System Requirements

Before you install VST instruments & Effects, please make sure your computer fulfills the following requirements:

- | Operating System : Windows® 98/ME, Windows® 2000, Windows® XP.
 - | Processor: Pentium®, Celeron® or equivalent - 500 MHz or more.
 - | RAM: 64 MB of memory (128 MB recommended)
 - | VST 2.0 Host application like: FL Studio 5.xx, 4.xx, Steinberg Cubase VST 5/32, Cubase VST 5 Score, Cubase VST 5 Standard, Cubase SL 1.xx, 2.xx, Cubase SX 1.xx, 2.xx, 3.xx, Synapse Orion Pro 4.xx, Synapse Orion Platinum 5.xx, Mackie Tracktion 2.xx, Audio Mulch 0.9xx, Steinberg Nuendo 1.xx, 2.xx, 3.xx, Samplitude 7.xx and more ...
 - | Graphics (minimum): 16-bit 800x600
 - | Work with other hosts, as a **DirectX plug-in** using the FXpansion Vst-Dx V3/4 adapter or running DirectiXer 2. Is the easiest way to gain access to the hundreds of VST plug-ins from your DirectX audio application. Compatible with the Cakewalk Audio line (v6 and higher), FASoft N-Track, Sonic Foundry ACID, Sound Forge and Vegas (as an Aux effect only, in Vegas), Syntrillium Cool Edit Pro, SEK'D Samplitude and Samplitude 2496, etc.
 - | Other Components: PC configured according to the specifications of the host application
 - | An ASIO soundcard is recommended for low latency real-time play.
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3. Installation

The files must be in a directory where the VST host is looking for VST plugins.

Unzip and extract ***.RAR file** into **VST Plug-ins Folder**.

RAR file contains *.dat & *.dll files.

Note: RAR file extension: The files are compressed with WinRar for minimum file size. RAR is a format like ZIP. It is a compressed archive. You must to extract the RAR contents using WinRAR: It's free from www.rarlab.com/download.htm. Like unzipping a *.zip file, extract "*.rar" into VST Plug-ins Folder. (RAR Contains "*.dat" & "*.dll" files). Right click on *.rar, select 'extract Files' from the menu.

4. MIDI Implementation Chart for DAL Flute:

The following MIDI Continuous Controllers (MIDI CC) messages are recognized and affect the described parameters:

MIDI CC #	-	Controller Name
CC# 00	-	FLUTE SELECTOR
CC# 01	-	FILTER - RESONANCE (Modulation Wheel)
CC# 03	-	FILTER - CUTOFF FREQUENCY
CC# 05	-	GLIDE - Portamento Time -
CC# 07	-	MASTER VOLUME
CC# 09	-	PITCH
CC# 11	-	EMPHASIS
CC# 12	-	X/Y GLIDE/PITCH - EFFECT 1
CC# 13	-	X/Y GLIDE/PITCH - EFFECT 2
CC# 71	-	DECAY - FILTER ENVELOPE
CC# 72	-	RELEASE - FILTER ENVELOPE
CC# 73	-	ATTACK - FILTER ENVELOPE
CC# 74	-	SUSTAIN - FILTER ENVELOPE
CC# 75	-	ENV. - FILTER ENVELOPE
CC# 84	-	ATTACK - AMPLIFIER ENVELOPE
CC# 85	-	DECAY - AMPLIFIER ENVELOPE
CC# 86	-	SUSTAIN - AMPLIFIER ENVELOPE
CC# 87	-	RELEASE - AMPLIFIER ENVELOPE
CC# 88	-	SPEED - LFO 1
CC# 89	-	PULSE WIDTH - LFO 1
CC# 90	-	DEPTH - LFO 1
CC# 102	-	SPEED - LFO 2
CC# 103	-	PULSE WIDTH - LFO 2
CC# 104	-	DEPTH - LFO 2

5. Version History

- **v2.0: Improvements:**
 - Redesigned sound engine.
 - Less CPU use, most noticeable on Intel processors.
 - 24 presets redesigned in a wide range of styles.

- Totally redesigned GUI - New buttons and knobs and some cosmetic changes.

Added:

- New Flute multi-samples are combined into hybrid environment.
- Normal, Bright and Pan Flute modes.
- MIDI Automation. Support via MIDI Continuous Controller data.
- Customizable Pitch Bend Range.
- Drag and Drop option for Glide/Pitch effect, by clicking-and-dragging a point in an X-Y axis.
- MIDI Channel selector button.
- Web-link button to " register full version" in demo, and web-link to website in registered version.
- Embedded CHM help/info file and button on GUI.

Bug fixes:

- Default pitch changed.
- Fixed problem with note trigger not working properly. (mainly FL Studio, possibly others).
- Small bug fixes

┆ **v1.1:** Minor bug fixed.

┆ **v1.0:** Initial version.

┆ **v0.9:** Beta released.

6. Technical Support and Contact

Free Technical Support to Registered Users:

Please take a look at the FAQ (Frequently Asked Questions) at <http://faq.syntheway.net> , before you contact customer support.

If you have any problems with instruments and effects, you can contact us by e-mail (English and Spanish languages allowed). Support requests are answered as quickly as possible, if you send the following information:

- **Syntheway Product**
- **Host Application (Name & Version number)**
- **A very detailed description of the problem**

Your inquiry will be answered in the order in which it is received. Due to the volume of e-mail, sometimes, these may not be able to respond immediately.

Contact Information	
Information	info@syntheway.net
Contact	contact@syntheway.net
Sales	sales@syntheway.net
Customer Support	support@syntheway.net
Webmaster	webmaster@syntheway.net
Company Website	http://www.syntheway.net

7. FAQ (Frequently Asked Questions)

Here you will find answers to the most frequently asked questions: please take a look at the FAQ webpage:

<http://faq.syntheway.net>

8. Update and Upgrade Policy:

As a general policy, Updates between minor Syntheway product versions are free. Upgrades between major Syntheway product versions are paid.

Updates:

An update is an interim release that fixes bugs, enhances usability, updates data, or adds a new feature to an existing version. For example, you would update Magnus Choir v1.00 to v1.01.

They get distributed electronically after their release. If you have already registered, and you will not get the email with "link to download update" within a reasonable time, send a blank email (Subject: name VSTi/VST) to register@syntheway.net from the email account that was used with your registration. If your email address changes, please notify us support@syntheway.net so that we can update our database.

Upgrades:

Upgrades are changes in the major version number of the product (containing major new functionality, improves performance, enhances usability). When we release a major new release, we change the first number in the version number. So you switch to a higher version of a program within the same VSTi/VST product family. For example, you would upgrade Master Hammond B3 v1.00 to v2.00. Upgrades are free when... you purchase Syntheway product and we introduce a major new release (e.g. moving from Fantasia 1.4 to Fantasia 2) within 60 days of your purchase date. Any release containing major new functionality, an upgrade fee will probably be chargeable.

Specially discounted upgrade pricing is available to registered users of the immediately prior version of Syntheway Product. That is, if you are a registered user of v1.0, you are eligible to upgrade to v2.0 at the special discounted upgrade price.

How often are updates and upgrades released?

We create product updates and upgrades when:

- | New features or functionality have been added.
- | Bugs and problems have been corrected.
- | New features have been added or supported.

- ┆ New optimizations have been integrated into the VST architecture.

Check out for updates/upgrades to this software at:

<http://download.syntheway.net>

Notes:

- ┆ Make sure your email account can accept emails coming from us (domain: @syntheway.net). Also take a look to your SPAM folder.
 - ┆ Personal details are kept private and are never spammed. For Updates Syntheway uses "BCC" to protect your email address privacy.
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9. License:

DAL FLUTE VSTi - License Agreement

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10. Evaluation & Registration

The code for the licensed and evaluation versions of this program are identical. The DEMO VERSION is full functional. You can do anything you can do with the full version, you can even save your presets. Also in the demo are some presets included to demonstrate the instruments capabilities. The only restrictions are, that the demo emits a decent noise about every 10 seconds. The full version does not have this intermitting noise.

In developing software we have embraced "try before you buy" shareware concept that allows you to evaluate a product in action and decide on real performance prior to taking out your wallet. As additional benefits there are free upgrade policy (within version numbers -e.g. 2.0 to 2.xx) and technical support via e-mail. You are hereby licensed to use this software for evaluation purposes without charge for a period of 30 days. If you use this software after the 30 day evaluation period a registration fee is required.

Please test extensively the demo version of your selected product (s) in your host to make sure there are no misbehaviors before purchasing. (More About General Terms - Read Before You Buy)

The full version is available to purchase, as downloadable software, and you can download the registered version as soon as your payment is received (*). For details on ordering through the Web, please visit us at:

<http://shop.syntheway.net>

(*) After your purchase, when payment is received, registration is delivered electronically. You will receive an email containing registered download link and password protection, normally the same day. If you will not get the "link to download" within a reasonable amount of time (2 business days for credit card payments, e-Checks take an average of 4-5 business days to clear your bank), please notify us about that!. We apologize for any inconvenience caused by these delays.

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11. Plug-in Credits

12. Acknowledgements:



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