Origin Firmware Update 1.2

Release Notes

May 3, 2010

Welcome to the Update 1.2 of Origin's Firmware. You will find the following information in this document:

- Installation procedure
- New features in version 1.2
- New features in version 1.1

Please note: **The update installs additional presets and demos from Arturia.**

After the update is completed, your Origin will include:
- The usual Programs from slot 0000 to 0399
  - + New Programs from slot 0400 to 0443
- The usual Multis from slot 1000 to 1099
  - + New Multis from slot 1100 to 1105

All your user presets and multis will be automatically backed-up on your Mac or PC in the "Origin Backup" folder accessible in the Origin Connection utility. Please use Origin Connection to select where you would like to restore your user presets.

Installation:

- Install Origin Connection 1.2 using the Windows Installer ("Origin Connection 1.2 Setup.exe") or the Mac Installer ("OriginConnection_1.2.dmg").

- Launch "Origin Connection" application and choose menu "Action > Firmware Update".

- Select the Origin Firmware update file "OriginUpdate_Version_1.2.XXX.ogu" and follow carefully the instructions.
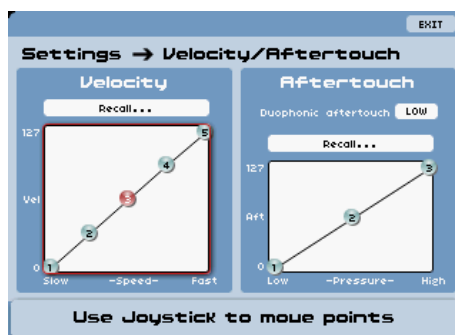
Important notice: Installing Firmware Update 1.2 is a long process. It can take up to 45 minutes. The progress bar will stick at 99% for a few minutes at the end of the installation. It is normal. Do not kill the process (unless it last for hours…). If there were any problem during update process, Origin will be in an unstable state. However, it should always be possible to launch the update process again.
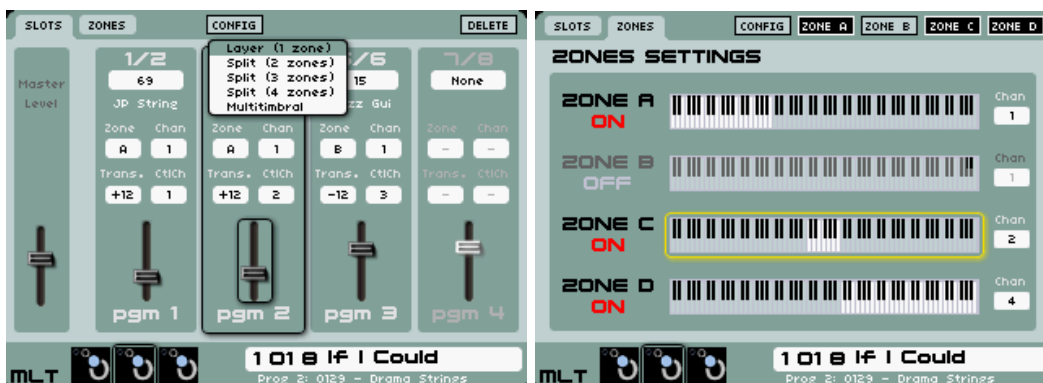
New Features in version 1.2

- **The version is supporting the upcoming Origin Keyboard, providing some exclusive features:**

  - "Duophonic" aftertouch. This is a software emulation of polyphonic aftertouch, that makes the aftertouch affect only one note instead of all notes. The affected note can be the highest played, the lowest played, or the last played

  - Multi-mode ribbon controller handling. The ribbon controller can be used as a pitch bender, as a modulation source, or as a trigger source (like a keyboard).

  - Precise velocity / aftertouch curves edition.

- **More complete configuration of multi mode is possible. Interaction with a MIDI sequencer or DAW is made easier.** The concept of Keyboard Zone has been added. A zone consists of a note range, some MIDI filters, and a MIDI channel. There are 4 zones, and each Origin program in a Multi can be associated with a given zone. A new *zones* page in the *multi* tab shows the zone ranges and allows zone edition. A "Config" menu allows to quickly recall some frequently used settings for the zones: that way, it is very easy to make a "split", a "layer", etc.

Because of that, the MIDI implementation has been modified. Now MIDI CCs are sent and received on a MIDI channel that is specific to an Origin program. On the other hand, notes, pitch bend messages, etc. are sent regarding the zone channels.

Improved settings page. Origin's settings have been organized in a page with icons that lead to sub-pages, making navigation more coherent.

- **Added a Performance page.** This page is very useful to know what is connected to aftertouch, modulation wheel, pitch-bend wheel, and expression pedal. On Origin Keyboard, this page is also used to edit the ribbon controller settings.

- **All keyboard ranges can now be edited by playing a key on the keyboard.** This, combined with the new visual feedback, makes configuration of a keyboard split much easier.
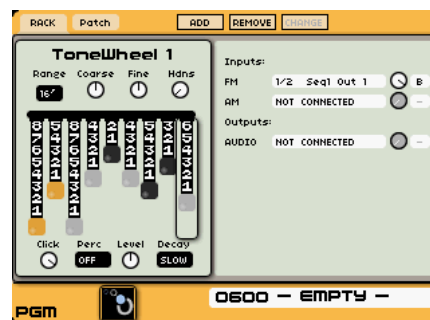
New Features in version 1.1

- **Dramatic MIDI timings improvements:** Origin's response to a MIDI event such as a NOTE ON is now much faster and less jittery than it was in 1.0.7 firmware. Latency is less than 4 ms with a jitter less than 1 ms.

- **MIDI Improvements:** Origin can be automated via MIDI Control Change Messages. It is now possible to choose a MIDI mapping for a program and to create up to 48 user MIDI mappings.
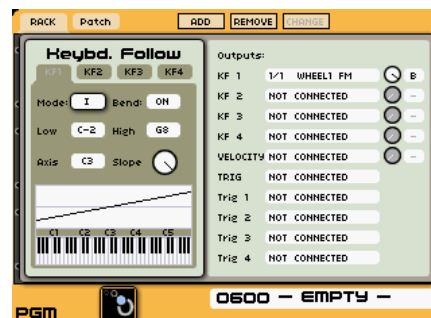

- **Encoders assignment improvements:** Assignable encoders can now control connection amount (eg amount of an envelope on the filter FM). All knobs of the Minimoog template can now be controlled by assignable encoders

- **Sequencer Improvements:** New Groove page with bank and pattern visualization and loop mode with hardware shortcuts for live performance. Better GUI for Sequence visualization.

- **ToneWheel Oscillator:** Combined with the Leslie Effect, it is possible to obtain stunning vintage organ sounds. This module can be also used in conjunction with other Origin modules and effects to create completely new sounds.
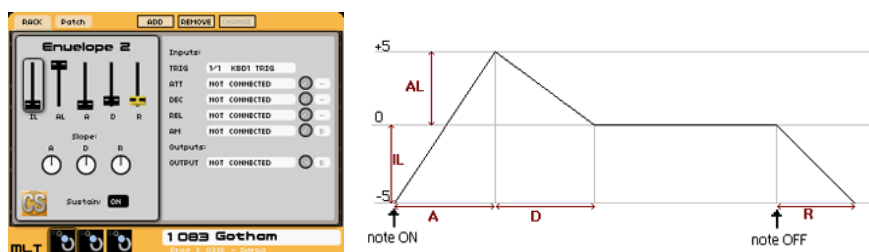

- **A Rotary Speaker Effect:** can be used on tonewheel signals to get Origin sound like a Hammond organ. Can be also used on a guitar signal input or on any other source to create amazing effects.

- **Keyboard Module improvements**:
    o Friendlier GUI with a curve to describe the effect.

    o A new keyboard-follow mode has been added (mode II). It is a useful new source of modulation that can be used to emulate the CS80 keyboard follow modes.

- o 4 additional TRIG outputs (1 for each KF output). Can be used to trigger an envelope when the played note is within the KF low-high range, or to open a VCA within the low-high range and mute it outside. This allows to create MIDI driven 4 instruments drum kit.

- **A CS80 envelope:** This envelope is similar to the one used to drive the CS80 filters. This envelope will be used in the upcoming CS80 template.

- **New envelope SUSTAIN option:** the sustain stage can be switched OFF allowing to shape percussive sounds.

- **Separate ADR envelope slope settings:** each A, D and R envelope segment can be shaped as anything between a linear to exponential curve.

- **Glissando feature available:** Portamento parameter can be set to: "Off", "Portamento" or "Glissando".
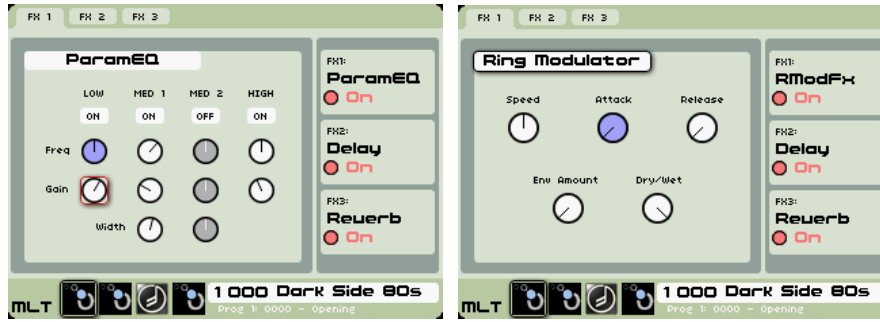

- **Parameter Values Displayed** in a pop-up window when values are changed manually.

- **Several panel and Controls navigation improvements**

- **New Effects:** Bit Crusher, Tube Distortion, Equalizer, Ring Mod

- **Improved GUI of Minimoog template:**