Origin Firmware Update 1.3

Release Notes

4 février 2011

Welcome to the Update 1.3 of Origin's Firmware. You will find the following information in this document:

- Installation procedure
- New features in version 1.3
- 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 factory Programs from slot 0000 to 0399
  - + New Programs from slot 0400 to 0513
- The factory Multis from slot 1000 to 1099
  - + 6 new Multis from 1100 to 1106
  - + Multi 1106 demonstrates the use of the ribbon on the Keyboard model and therefore won't produce sound on slot4 on a Desktop unit

The update archive also contains all the new presets (Single and Multi) as a backup file (Origin_1.2.3_ExtraFactoryPresets.ogb).

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.

Note that the order of presets has changed. You'll have to use Origin Connection, the correspondence table (OriginPresetCorrespondenceTable.pdf) and the backup file generated during the update to restore your own presets.

Installation:

- Install Origin Connection 1.3 using the Windows Installer ("Origin Connection 1.3 Setup.exe") or the Mac Installer ("OriginConnection_1.3.dmg").

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

- Select the Origin Firmware update file "OriginUpdate_Version_1.3.XXX.ogu" and follow carefully the instructions.

Important notice: Installing Firmware Update 1.3 is a long process. It can take up to one hour. It is the expected behaviour. ***Do not kill the process*** *(unless it last for*

hours…). If there were any problem during update process, Origin could be in an unstable state. However, it should always be possible to launch the update process again.

New Features in version 1.3
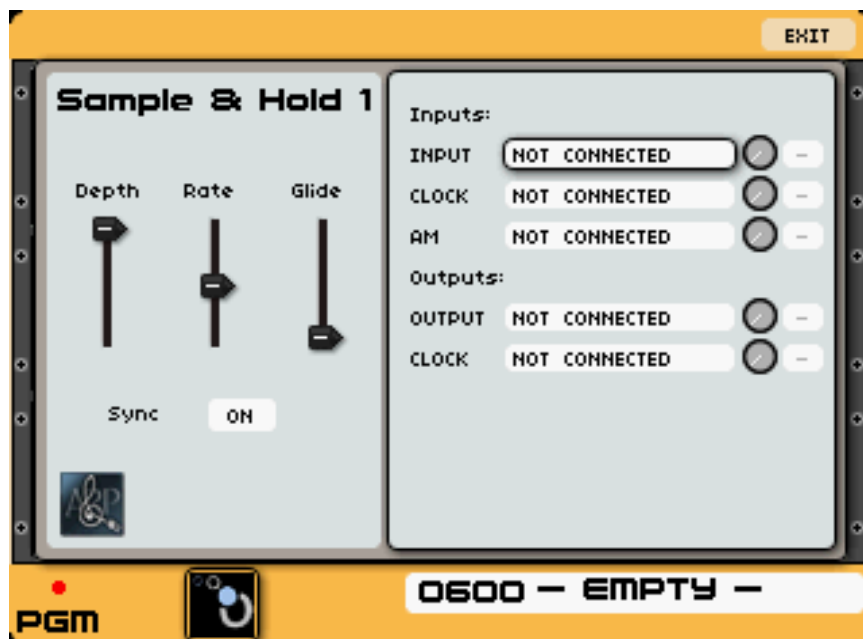
- **Jupiter 8 template:**
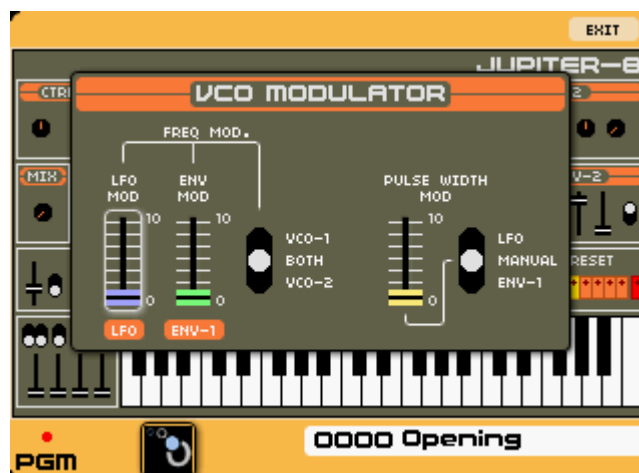
- **2 new modules:**
  - Compressor: FX module.

- o Sample & Hold: module available in the "Edit" page as part of your patch. Derived from the ARP S&H. Takes any modulation (LFO, Env…) signal at its inputs and provides a sampled and hold modulation signal at its outputs.

- **New play modes (Progr page):**
  - o POLY_UNISON: emulates the Jupiter8 "UNISON" mode, that is shares up to 8 voices between the currently active notes. Currently not available for MULTI presets.

  - o A new UNISON parameter for MONO programs: allows the user to set the number of voices that will play simultaneously for the MONO program. UNISON "polyphony" can be set to a value between 2 and 8 in SINGLE mode, and is limited to 2 in MULTI mode.

- **Sequencer switches automation:**
  - o Actions on the Sequencer "LOOP" and "PATTERNS" switches can be recorded as MIDI CONTROL CHANGES messages and replayed.

- **Portamento glide time:**
  - o Adding of a second way to manage the portamento glide time: the user can now choose between a constant time for the whole glide, or a constant time per semi-tone.

- **Switch pedal:**
  - o Now possible to configure the switch pedal action in the "Performance" page.

- **User Interface enhancements:**
  - o In a number of dialogs you can now navigate between the controls and change their value without pre-selecting them.

- Possibility to select the slot preset to load using the keypad + the edit switch. Previously it was necessary to use the browser to load a slot preset.

- A new layout of the dialog makes easier the configuration of the "live" macros.

- The user can now define a set of favourite presets and navigate thru them with the Preset Browser or with the +/- keys.

- A clear feedback – using speaker icons - of the mute state of a Voice output on the FxMixer page, of the slot output on the Multi page and on the program icon in the preset bar.

- Possibility to set 2 or more MULTI slots in the hold state in a single action by keeping their "Edit" switches pressed when "Hold" is set ON (or OFF).

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.
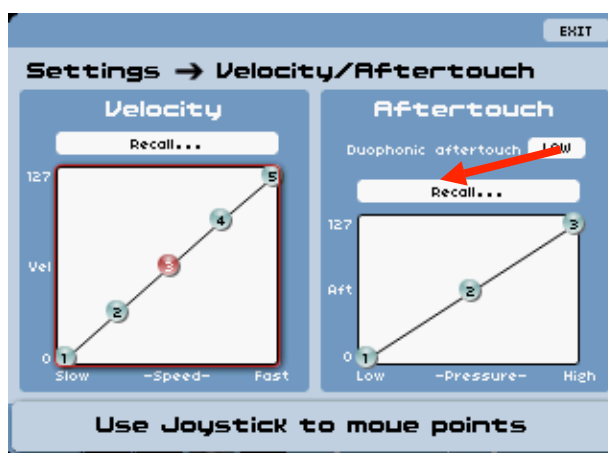
- **More complete configuration of multi mode is possible. Interaction with a MIDI sequencer or DAW is made easier.** The concept of Keyboard Zone has been added. A zone consists of a note range, some MIDI filters, and a MIDI channel. There are 4 zones, and each Origin program in a Multi can be associated 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.
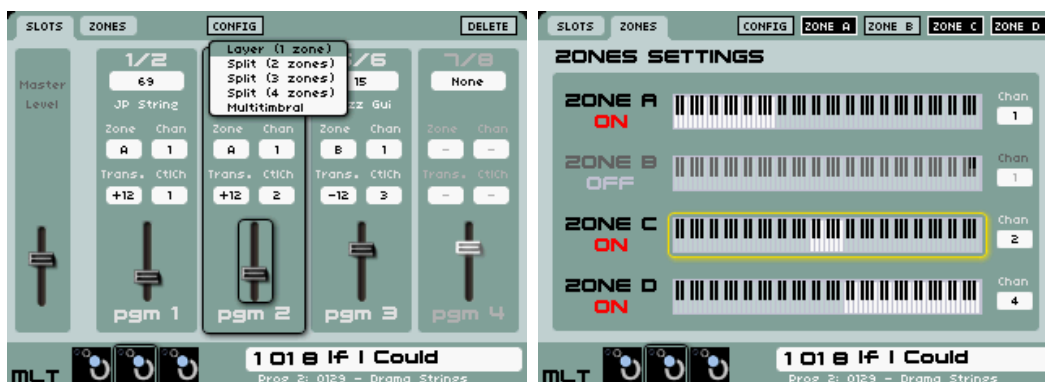
Because of that, the MIDI implementation has been modified. Now MIDI CCs are sent and received on a MIDI channel that is specific to an Origin program. On the other hand, notes, pitch bend messages, etc. are sent regarding the zone channels.

- **Changing programs inside a multi will not interrupt the sound anymore.** You can now automate Program Changes to one of the multi slots while other programs are still playing.

- **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.
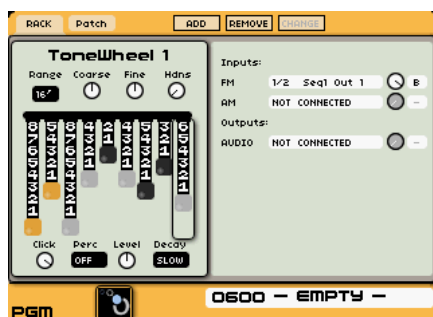

- **A Rotary Speaker Effect:** can be used on tonewheel signals to get Origin sound like a Hammond organ. Can be also used on a guitar signal input or on any other source to create amazing effects.

- **Keyboard Module improvements**:

o Friendlier GUI with a curve to describe the effect.
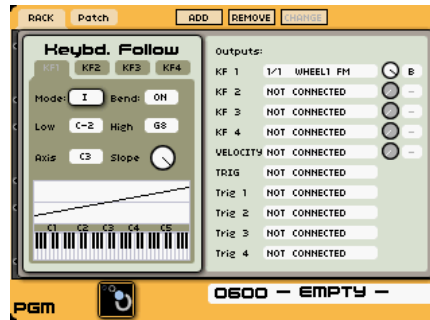
o A new keyboard-follow mode has been added (mode II). It is a useful new source of modulation that can be used to emulate the CS80 keyboard follow modes.
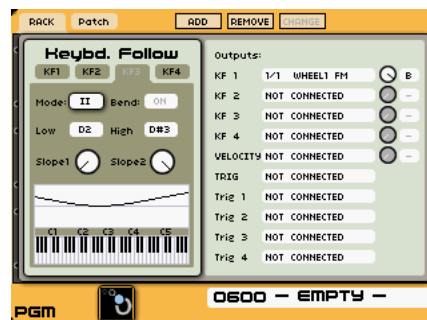
o 4 additional TRIG outputs (1 for each KF output). Can be used to trigger an envelope when the played note is within the KF low-high range, or to open a VCA within the low-high range and mute it outside. This allows to create MIDI driven 4 instruments drum kit.

- **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.
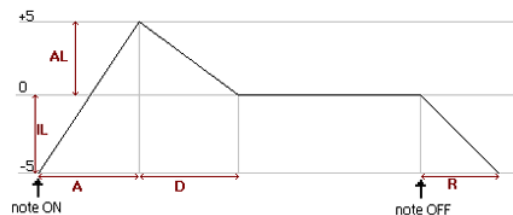

- **New envelope SUSTAIN option:** the sustain stage can be switched OFF allowing to shape percussive sounds.

- **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
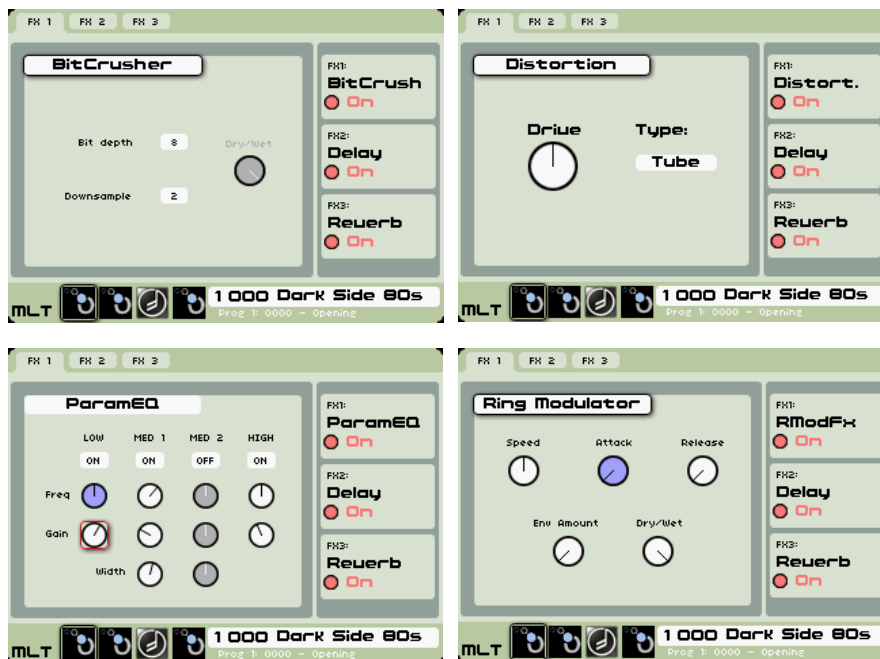
- **Improved GUI of Minimoog template:**