

## **New features for Spark 1.4:**

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**The Spark Library has been updated to include 50 new kits made by five contemporary producers.**

### **New features and extended usability:**

1. Jog Dial – Extended Instrument Navigation.
2. Undo-Redo – Available from the Controller.
3. Extended Latch/Touch Mode on Fx Pad.
4. MIDI out from Spark Software Sequencer, pattern changes and pads to the host.
5. Save function available from Controller.
6. 5 new FX in the mixer (Destroyer, Flanger, Space pan, Sub Generator and Limiter).
7. MIDI Clock in: Spark can be synced to any incoming MIDI clock.
8. Overlay cheat mode Software interface to see all the secondary functions.



## 1. Jog Dial – Instrument Navigation

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Jog dial when used in instrument mode includes the ability to select the instrument type and the generator type. This allows you to filter and sort instruments easily when loading them.

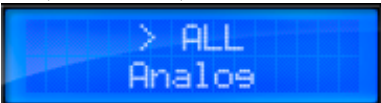
First level is for selecting the instrument type:

ALL, BASS DRUM, SNARE DRUM, CLOSE HI-HAT...



Second level for selecting the generator type:

ALL, ANALOG, PHYSICAL MODEL OR SAMPLE.



The result list will then be displayed. If you choose BASS DRUM > ALL, all bass drums will be displayed. If you choose SNARE DRUM > ANALOG, all analog snare drums will be displayed.

Menu navigation:

- To display the parent menu, hold SELECT and CLICK the jog dial. i.e. the generator type selection menu is displayed on the screen, hold SELECT and CLICK the jog dial to display the instrument type selection menu.
- To select an option in the menu, turn the jog dial to set your option as first, and CLICK the jog.

Default behavior:

By default, the jog dial scrolls through a default list of instruments, without having to select the menu options. The default options are: Currently Selected instrument Type, and ALL generator types. i.e. if the Hi Tom is selected the jog dial will scroll through all toms.

In order to change the generator type, or instrument type use SELECT + CLICK once or twice on the jog dial in order to display the menu options.



## 2. Undo/Redo

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Hold SELECT and press Step 11 to Undo last action.

Hold SELECT and press Step 10 to Redo last undone action.

The undo feature remembers the last 10 actions.

## 3. Extended Latch/Touch Mode

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You can now latch the Filter and Slicer effects to ON. This means that you can use the XY pad, remove your finger and the Slicer or Filter will remain on.

You can now also layer the Filter and Slicer via the latch mode.

If the Filter is set to latch mode, using the Slicer will slice the filtered sound, using the roller will generate a filtered roll.

If the Slicer is set to latch mode, using the Filter will filter the Sliced sound.

Hold SELECT and press [FX Name] Button to switch Latch/Touch modes. When Latch mode is active, the FX button will flash.

To unlatch the effect, press either the Slicer or Filter button.

When Slicer is set to Latch mode, roller is not available anymore as the slicer is repeating a loop that was recorded without the roll.

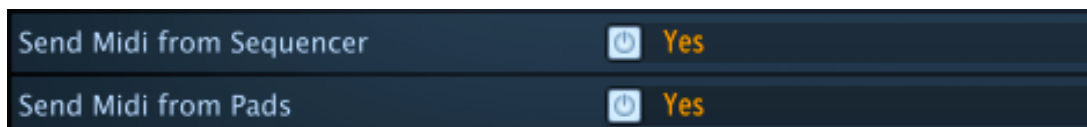
## 4. MIDI Out From Controller and Pads

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MIDI Out from Spark Software sequencer, from pads, knobs, XY pad and from pattern changes can be recorded in a host. All notes coming out from the Spark's patterns can be recorded, as can automations. This feature is working for the AU and VST Spark plugin and not yet available for RTAS. In Standalone mode, Spark can send MIDI out on the selected MIDI output in the Spark Audio MIDI settings window.

Use the MIDI out preferences to select which kind of MIDI data has to be sent:

- Choose "Send MIDI From Pads" for sending MIDI data from Spark pads, and pattern changes to your host
- Choose "Send MIDI From Sequencer" for sending MIDI data coming from Spark's sequencer to your host



Note for **Audio Unit** plugin:

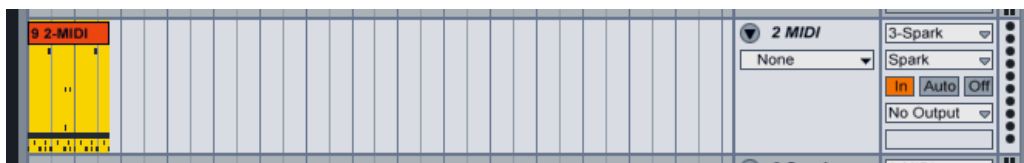
For better precision, it's not recommended to use the 2 options concurrently: First record MIDI from pads turning on the "Send MIDI From Pads to Host" option and off the "Send MIDI From Sequencer to Host", then record MIDI from sequencer turning off the "Send MIDI From Pads to Host" option and on the "Send MIDI From Sequencer to Host".



- A. Here's an example of a **VST Host** configuration for recording MIDI out from Spark using LIVE.
- Add Spark VST plugin on a Live track.
  - Add a MIDI track for recording MIDI from Spark
  - Configure the new MIDI Track (left track on the image):
    - . Set 'MIDI From' to 'Spark' and change 'Pre FX' to 'Spark' in the following combo
    - . Set Monitor to 'Auto'
    - . Arm the session recording
  - Configure the Spark Track (right track on the image):
    - . Set 'MIDI From' to the new MIDI Track (2 MIDI in this example)
    - . Set Monitor to 'Auto'



- Press Record button in Live. Note that Host and Tempo button must be on in Spark software.
- Display the Arrangement view (press Tab) in Live and check that you've recorded some MIDI notes.





- Set Monitor to 'in' on the Spark track
- Set Spark Host button to off (Pressing Play button in Live will not start Spark sequencer anymore )
- Press play in Live from the beginning of your arrangement. You should hear Spark playing notes previously recorded from Spark and now sent by Live.

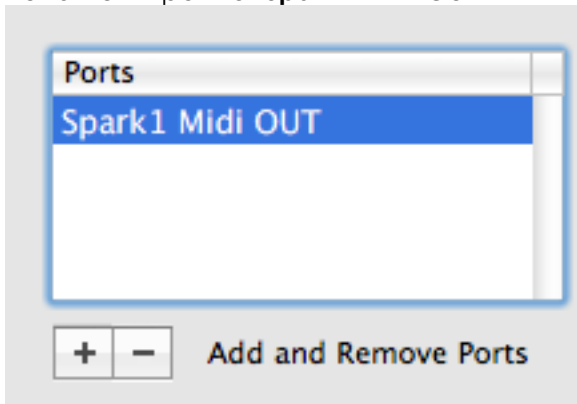
**Note: For Cubase users: use Menu > Devices > VST Instrument to load Spark in order to be able to select Spark as MIDI source. Creating a vst instrument Track will not display Spark as MIDI source.**

B. Here's an example of an AU Host configuration for recording MIDI out from Spark using LOGIC.

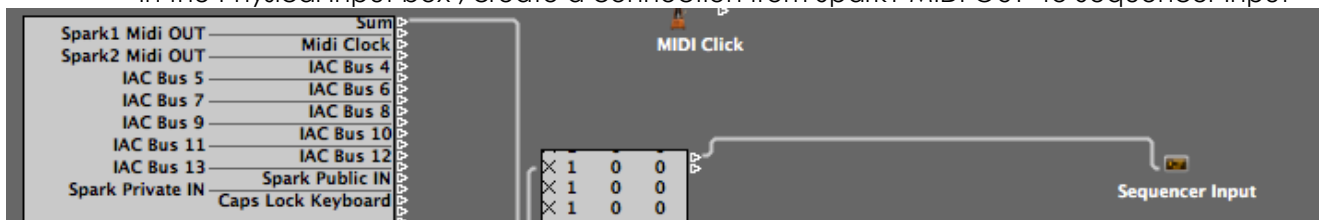
- Launch 'Audio MIDI Setup Application' to configure the IAC Driver that will be used for sending MIDI data to the AU host. Double clic on the IAC Driver Icon in the MIDI Studio view



- Check 'Device is online'
- Rename first port to '**Spark1 MIDI OUT**'



- Launch Logic
- Create an instrument track and Add Spark AU plugin
- Set Host and Tempo button on into Spark Software
- Open Window > Environment
- Select in the upper left combo 'Click & Ports'
- In the Physical Input box , create a connection from Spark1 MIDI OUT' to Sequencer Input



Note: Don't forget to disconnect Spark Private In if any connection is set.

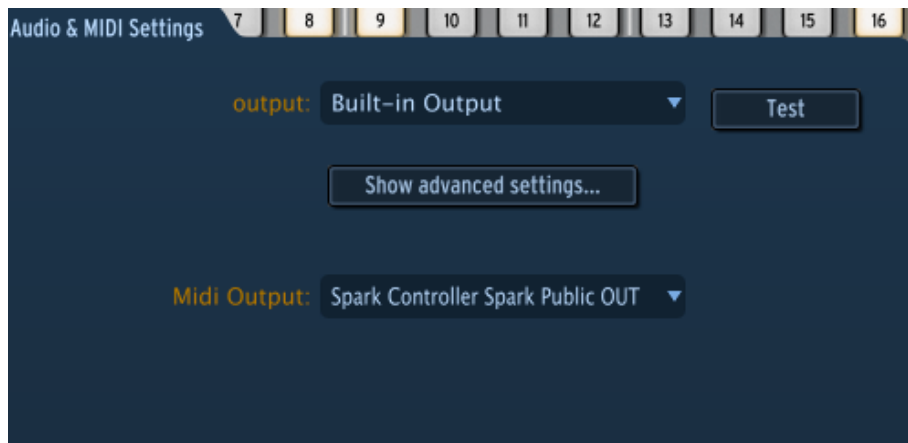
- Select Spark Track
- Set 'Record' OFF on the Spark track
- Press record into Logic
- Set Host button to off into Spark Software



- Play your recorded pattern

C. Here's an example of an Standalone configuration for receiving MIDI out from Spark.

- You need to select the MIDI output to which Spark will send MIDI data from its pads and/or sequencer in the Audio & MIDI settings. You can select any available MIDI output. Select 'Spark Public out' to send data on the MIDI out port of the Spark controller.



## 5. Save from Controller

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Hold SELECT and press Step 9 to save the current project.

If the project is a factory project it will be saved to a new project using the factory project name followed by a number, without requiring any interaction from the user.

## 6. Effects

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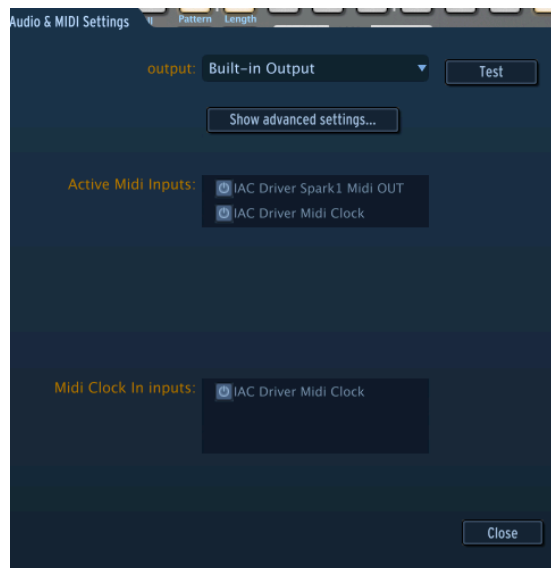
5 new effects with presets have been integrated. Destroyer, Flanger, Space pan, Sub Generator and Limiter. They can be set as inserts on Instrument or in master channels.






## 7. MIDI clock in

The Spark sequencer can be synced to an incoming MIDI Clock. In Spark Main menu, and Audio MIDI Settings dialog, select the MIDI clock source. Spark sequencer will sync to the selected source.



A square red MIDI indicator will blink when receiving MIDI data in the toolbar, near the CPU indicator.

## 6. Overlay cheat sheet mode Software interface

A help mode is available for displaying all controller shortcuts. Click on the  in the upper left corner in order to switch Spark interface to show all the shortcuts the names of the instruments that are loaded and to display



all the Filter and Slicer modes. Any text that is in Blue above a button shows that by pressing and holding SELECT+ the button, you will select this secondary function.

