

QuNeo Step Sequencer Quickstart Guide

Version 1.0
For QuNeo Version 1.2.3
July 2013

INTRODUCTION

QuNeo Step Sequencer utilizes a suite of Max for Live devices to modify the behavior of QuNeo's Factory Preset number 5. Step Sequencer provides a layout that allows a user to record into, edit, and play back from a grid style sequence. The step sequencer also included a note repeat mode, which enables repetitions of notes at specified intervals.

To use QuNeo Step Sequencer as a device in Ableton Live, you must have either Ableton Live 8 Suite or Ableton Live 9 Suite installed on your computer. Additionally, you must install Cycling 74's Max 5 (Suite 8) or Max 6.1.2 (Suite 9). Visit <https://www.ableton.com/en/live/> and <http://cycling74.com/products/max/> for more information about this software. You can also use it as a standalone application.

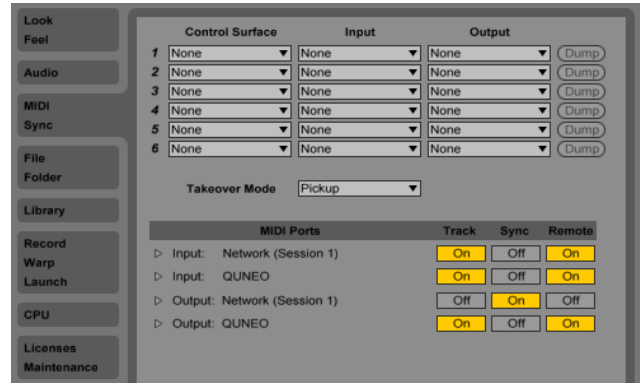
INSTALLATION

1. To install QuNeo Step Sequencer as an Ableton Live device, start by unzipping "QuNeo_StepSequencer.zip".
2. Place the "Step Sequencer Example Project" folder in a folder of your choosing.
3. Place the "Step Sequencer M4L" folder in Ableton Live's "Max Midi Effect" folder. This folder is located here:
 - a. **MAC / Live 9** - [User]/Music/Ableton/User Library/Presets/Midi Effects/Max Midi Effect/
 - b. **MAC / Live 8** - [User]/Library/Application Support/Ableton/Library/Presets/MIDI Effects/Max MIDI Effect
 - c. **WIN7** - C:\Users\[user]\Documents\Ableton\Library\Presets\MIDI Effects\Max MIDI Effect\
 - d. **WINXP** - C:\Documents and Settings\KMI\My Documents\Ableton\Library\Presets\MIDI Effects\Max MIDI Effects\

For information about the standalone application, see the section titled "Standalone Application".

To use Step Sequencer in Ableton Live:

1. Connect the QuNeo to your computer and launch: Ableton Live 8 Suite or Live 9 Suite.
2. On your QuNeo select factory Preset 5 (see QuNeo Factory Preset Guide for more information about selecting presets).
3. In Live's menu bar, go to "Live" then "Preferences..." (**Mac**) or "Options" then "Preferences..." (**Windows**).
4. From the list on the left side of the preferences window, select "MIDI / Sync".
5. In the lower portion of the MIDI / Sync window select the following:
 - a. MIDI Ports: QuNeo Input (QUNEO) Track On and Remote On
 - b. MIDI Ports: QuNeo Output (QUNEO) Track On and Remote On
6. Close the Preferences window.
7. Open the Ableton Live Project "Step Sequencer Example Project" (located in the folder chosen during installation process).



How Step Sequencer in Ableton Live:

Devices:

The primary functionality of QuNeo Step Sequencer lies within the "QuNeoStepSeq" max midi effect. There are also three other max midi effects, "QuNeoStepSeqStepLights", "QuNeoStepSeqButtonLights", and "QuNeoStepSeqMidi2" which handle sending and receiving midi information on multiple channels within Live. These devices need to be placed in separate Live tracks with specific MIDI I/O settings:

QuNeoStepSeq: Must be placed in a MIDI track within Live. The MIDI in field should be set to "QUNEO" with the channel field set to "Ch. 2", and Monitor should be sent to "In". A midi capable, sound producing device should be used in conjunction with "QuNeoStepSeq", such as a Live drum rack, in order to generate an audio output.



QuNeoStepSeqMidi2: Must be placed in a separate MIDI track within Live. The MIDI from field should be set to "QUNEO" and the channel field should be set to "Ch. 1".



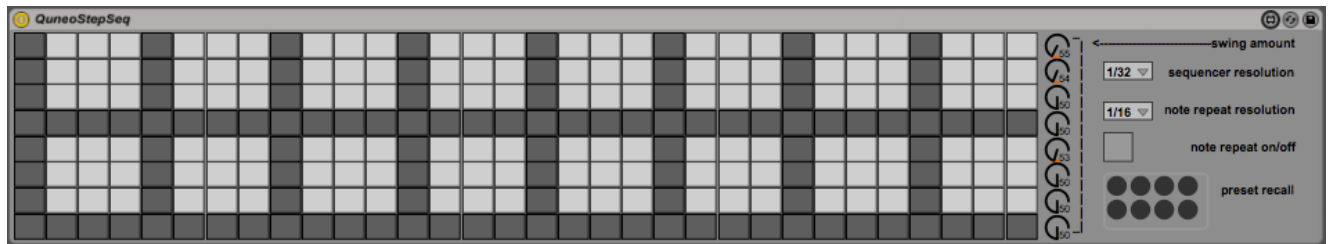
QuneoStepSeqButtonLights: Must be placed in a separate MIDI track within Live. The MIDI to field should be set to "QUNEO" and the channel field should be set to "Ch. 1"



QuneoStepSeqStepLights: Must be placed in a separate MIDI track within Live. The MIDI to field should be set to "QUNEO" and the channel field should be set to "Ch. 2"



The **QuNeo Step Sequencer** device has six main user input options:



Sequencer Grid: Turn on or off triggers for up to 8 separate event channels at each step in the 32 step sequence.

Swing: Add timing offset for each separate event channel for more natural sounding rhythms.

Sequencer Resolution: Select how many steps per quarter note by selecting a step value ranging from 1/4note to 1/32note.

Note Repeat Resolution: Set how many repetitions per quarter note by selecting a value ranging from 1/4note to 1/32note.

Note Repeat On/Off: Turn note repeat on or off.

Preset Store/Recall: Store presets by holding shift and clicking on the desired preset and recall by clicking on the preset.

The **QuneoStepSeqButtonLights**, **QuneoStepSeqStepLights**, and **QuneoStepSeqMidi2** devices have no user input options.

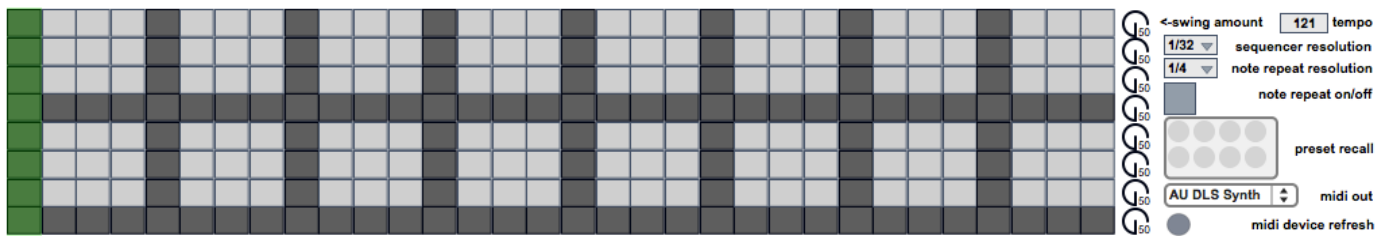
Standalone Application:

QuNeo Step Sequencer can run independently of Max for Live as a standalone application. You will find the standalone applications for Mac OS X, Windows XP and Windows 7 in the "Step Sequencer Standalone" folder. To install the standalone application:

MAC - place the "Step Sequencer Standalone.app" in the Applications folder

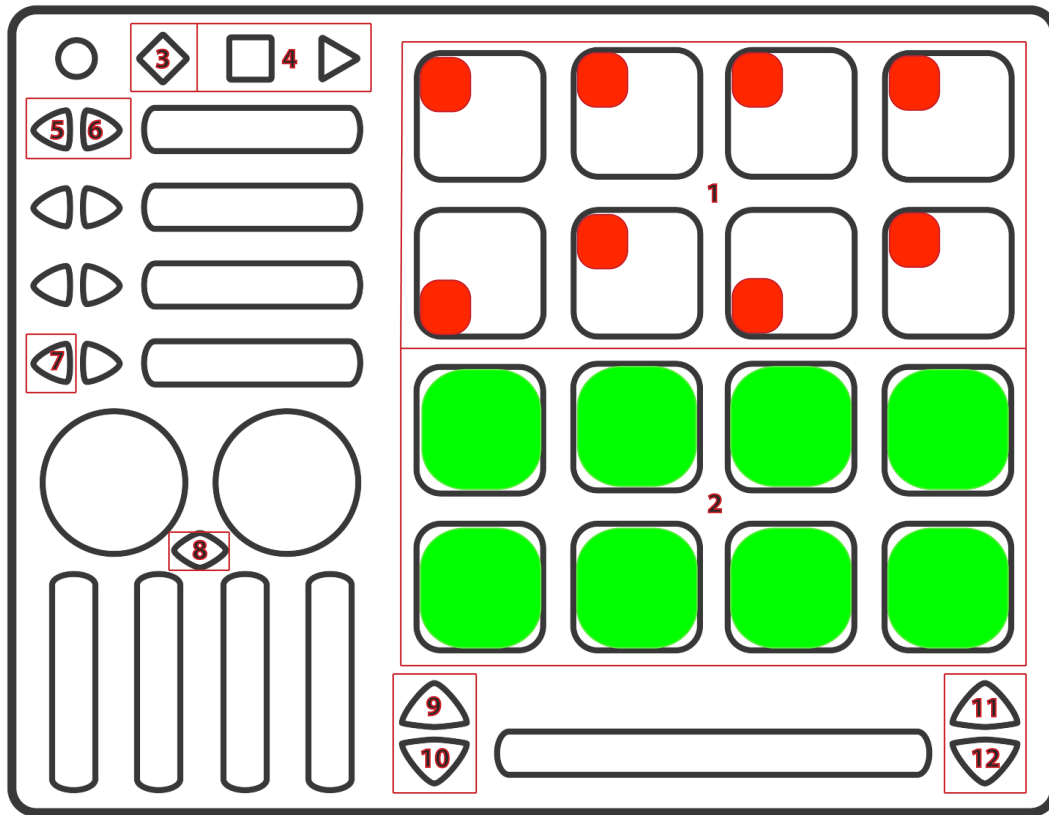
WIN 7 – place the "Step Sequencer Standalone.exe" in the Program Files folder

WIN XP – place the "Step Sequencer Standalone_XP.exe" in Program Files folder



Once installed, launch the application and select the desired MIDI destination from the menu at the bottom of the application window.

Layout:



1. Pads 9-16 allow viewing and real time editing of the current sequence.
2. Pads 1-8 allow playing into or along with the sequence, or storage and recall of presets.
3. This button toggles on and off recording into the sequence with pads 1-8.
4. In the example session, these buttons are mapped to the stop and play functions of Live's global transport.
5. 5&6 buttons allow one to shift left and right respectively between 4x8 step portions of the sequence to view and edit with pads 9-16.
6. portions of the sequence to view and edit with pads 9-16.
7. This button clears the current sequence.
8. The rhombus button puts pads 1-8 into preset mode, allowing the user to recall a preset in real time or, when holding down the rhombus, to store a preset in real time.
9. 9&10 buttons allow one to shift up and down respectively between 4X8 step portions of the sequence to view and edit with pads 9-16.
10. portions of the sequence to view and edit with pads 9-16.
11. 11&12 shift the resolution of the repeat function up and down, and toggle this
12. function off when pressing 12 down past 1/4note resolution.