

QuNeo Enhanced Note Mode Quickstart Guide

Version 1.0.3
For QuNeo Version 1.2.3
July 2013

INTRODUCTION

QuNeo Enhanced Note Mode utilizes two Max for Live devices to modify the behavior of QuNeo's Factory Preset number 1. Enhanced Note Mode provides a layout that allows a user to play only notes within a selected scale. This mode includes a harmonizer to add pitches to each note played, which also can be offset in time.

To use QuNeo Enhanced Note Mode 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.

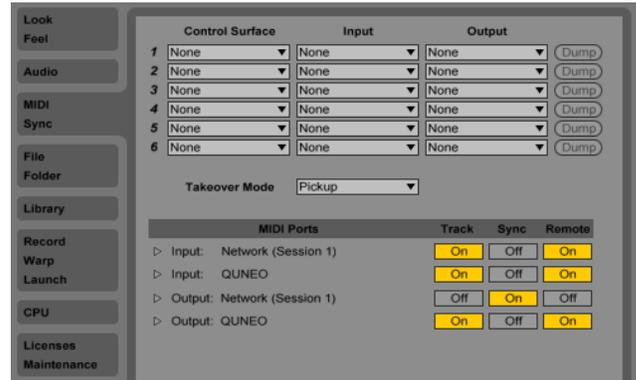
INSTALLATION

1. To install QuNeo Enhanced Note Mode as an Ableton Live device, start by unzipping "QuNeo_EnhancedNoteMode.zip".
2. Place the "Enhanced Note Mode Example Project" folder in a folder of your choosing.
3. Place the "Enhanced Note Mode 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 Enhanced Note Mode 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 1 (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 "Enhanced Note Mode Example Project" (located in the folder chosen during installation process).



How Enhanced Note Mode Works in Ableton Live:

Devices:

The primary functionality of Enhanced Note Mode lies within the "Enhanced Note Mode" max midi effect. There is also a second max midi effect, "Enhanced Note Mode Lights", which handles the LED feedback on the QuNeo. These devices need to be placed in separate Live tracks with specific MIDI I/O settings:

Enhanced Note Mode: Must be placed in a MIDI track within Live. The MIDI in field should be set to "QUNEO" and Monitor should be sent to "In". A midi capable, sound producing device should be used in conjunction with "Enhanced Note Mode" in order to generate an audio output.



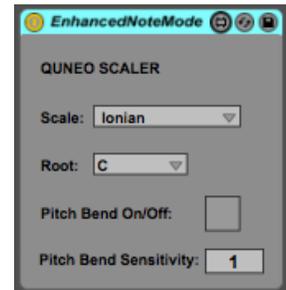
Enhanced Note Mode Lights: Must be placed in a separate MIDI track within Live. The MIDI To field should be set to "QUNEO" and the Channel field should be set to "Ch. 2".



The **Enhanced Note Mode** device has four user input options:

Scale: Select the scale in which you wish to play. Choose from:

- Ionian
- Dorian
- Phrygian
- Lydian
- Mixolydian
- Aeolian
- Locrian
- Major Pentatonic
- Minor Pentatonic



Root: select the root of the scale that you have just selected

Pitch Bend On/Off (rhombus): turn pitch bend (mapped to the x axis of each pad) on or off

Pitch Bend Sensitivity: change how sensitive the pitch bend function is

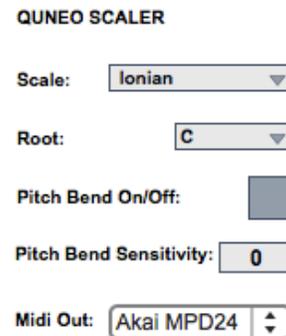
The **Enhanced Note Mode Lights** device has no user input options.

Standalone Application:

QuNeo Enhanced Note Mode can run independently of Max for Live as a standalone application. To install the standalone application:

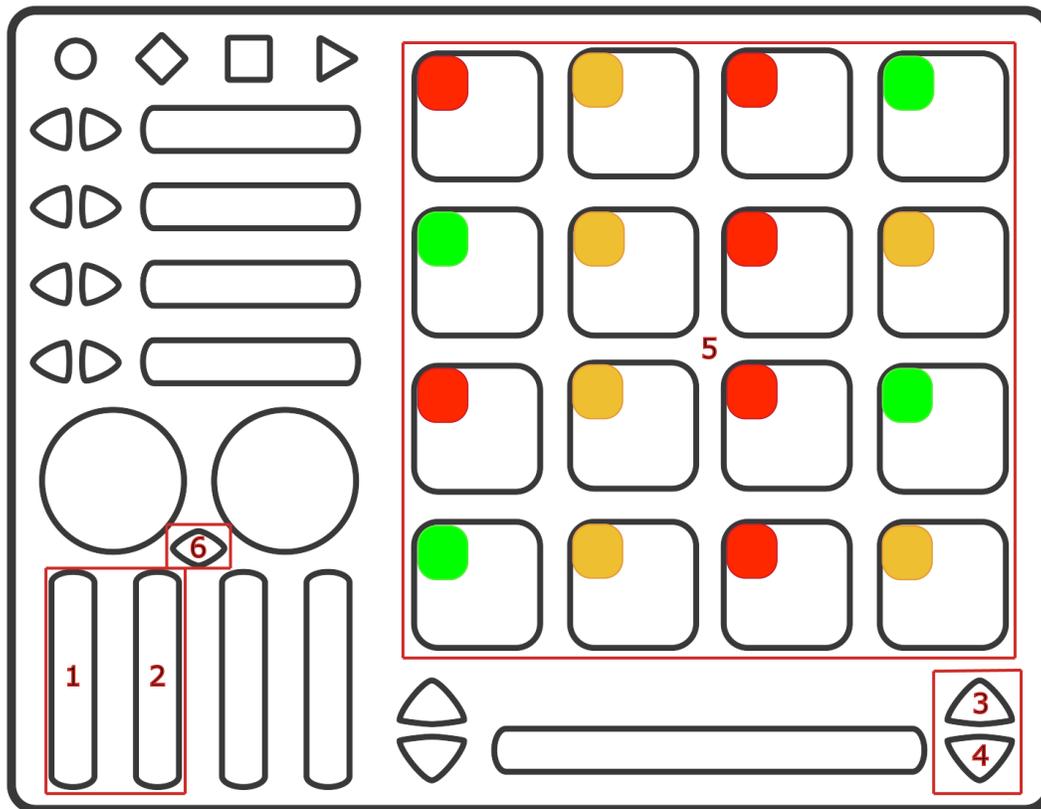
MAC - place the "Enhanced Note Mode Standalone.app" in the Applications folder

WIN - place the "Enhanced Note Mode Standalone.exe" in the 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. This vertical slider controls the number of additional pitches. At its lowest value, no pitches are added. As the value of this slider increases, the following pitches are added in succession: 1 octave below, one fifth above, one octave above, two octaves above.
2. This vertical slider offsets the above pitches in time. At its lowest value, no offset is added. As the value of this slider increases, the offset time grows from near simultaneous to offset by a quarter note each.
3. This button shifts the layout's register up one octave.
4. This button shifts the layout's register down one octave.
5. In this section, the MIDI outputs of the pads are scaled to correspond to the selected scale. Keys that are illuminated in green are the root notes of the scale. Keys illuminated in orange correspond to the 2nd, 4th, and 6th notes of the scale. Keys illuminated in red are the 3rd, 5th, and 7th notes of the scale.
6. This button toggles Pitch Bend on and off.