

Keith McMillen
INSTRUMENTS

QuNeo MPE Application Manual
V0.1.3

Application and Manual written by
Eric Bateman

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QuNeo Editor Preset

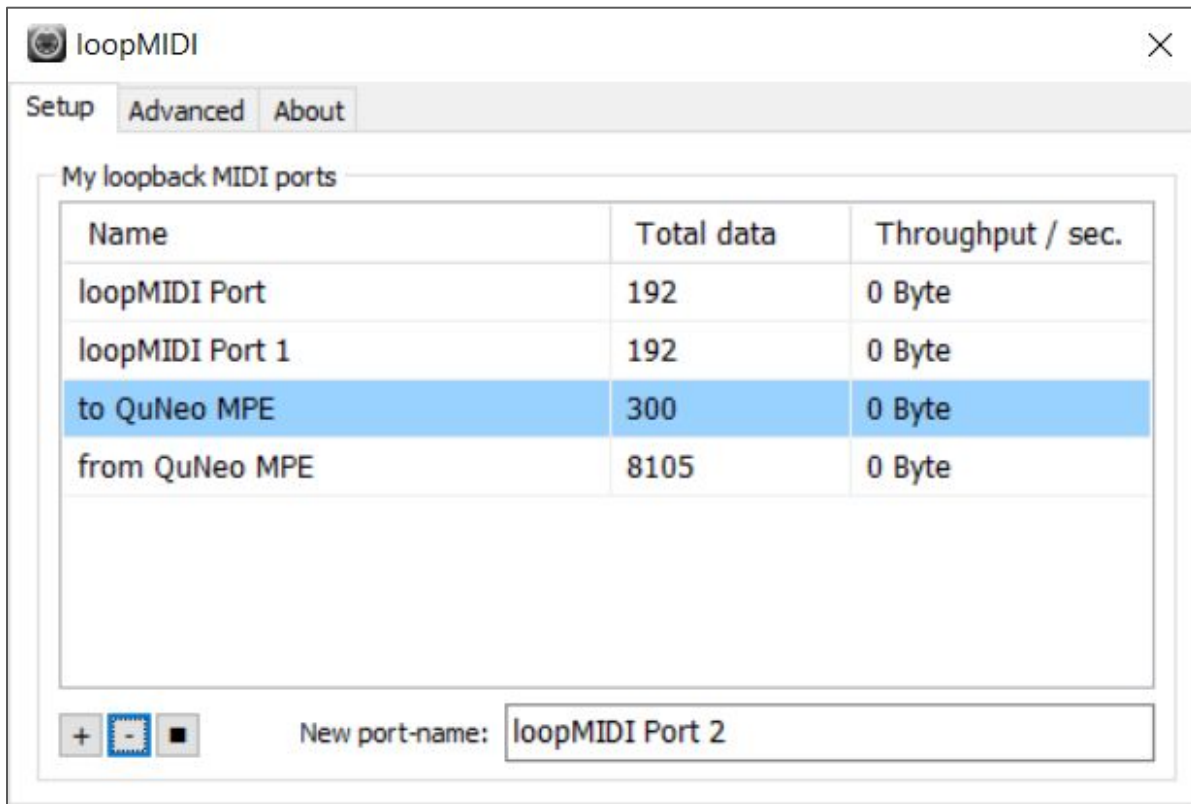


INSTALL

1. Select the preset slot that you wish to load the QuNeo MPE preset into
2. Click any of the 16 pads, and then from the FILE menu choose "Import Preset"
3. Locate "QuNeo MPE.quneopreset" (included with the QuNeo MPE download) and import it. Click "Save Preset" and then "Update Preset".
4. Select the preset on the QuNeo by pressing the blue circle (upper right of the QuNeo) and the corresponding QuNeo pad.
5. Close the QuNeo editor

LoopMIDI Setup (Windows only)

INSTALL

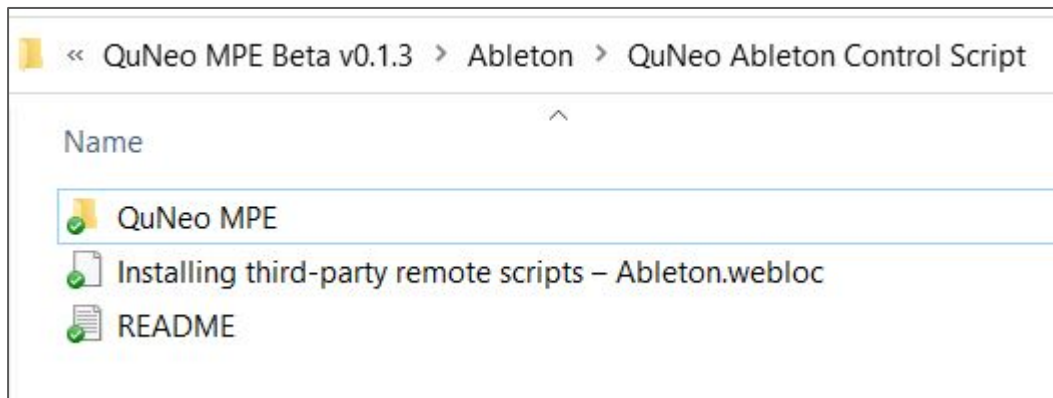


The QuNeo app requires virtual MIDI ports if you wish to control a DAW or Soft Synth. Unlike MacOS, Windows does not support these natively. You must install a 3rd party solution such as LoopMIDI.

1. [Download LoopMIDI from here](#) and install it.
2. Create two ports called “to QuNeo MPE” and “from QuNeo MPE” as indicated on the left.

Ableton Live 11 - Control Script

INSTALL



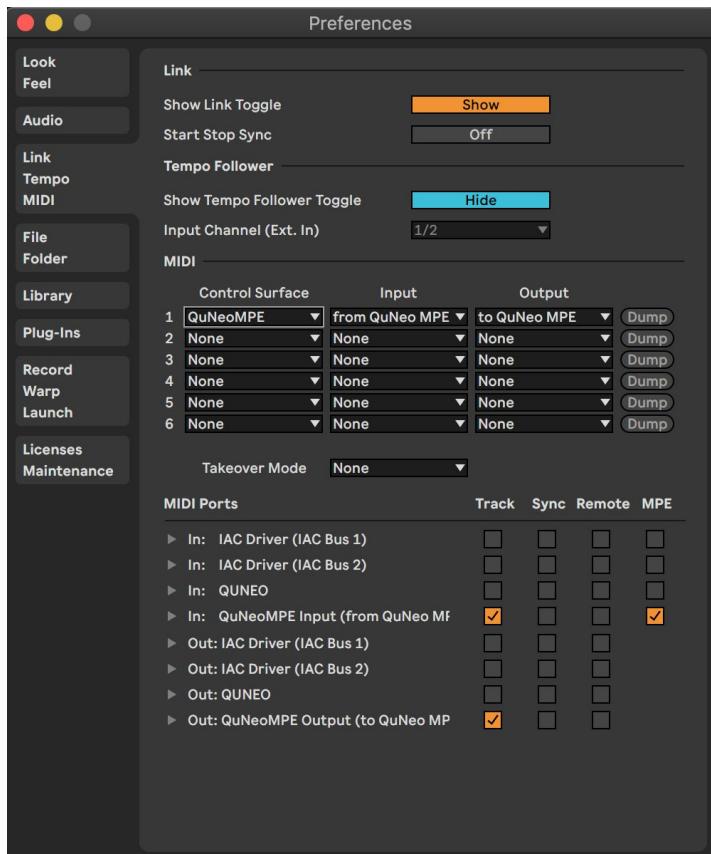
Included with this installation is a basic control script for Ableton Live. Move the "QuNeo MPE" folder shown above into the Ableton "User Remote Scripts" folder, which itself is stored in Live's Preferences folder:

Mac: HD:/Users/[Username]/Library/Preferences/Ableton/Live x.x.x/User Remote Scripts

Windows: C:\Users\[Username]\AppData\Roaming\Ableton\Live x.x.x\Preferences\User Remote Scripts

Ableton Live 11 - MIDI Settings

INSTALL



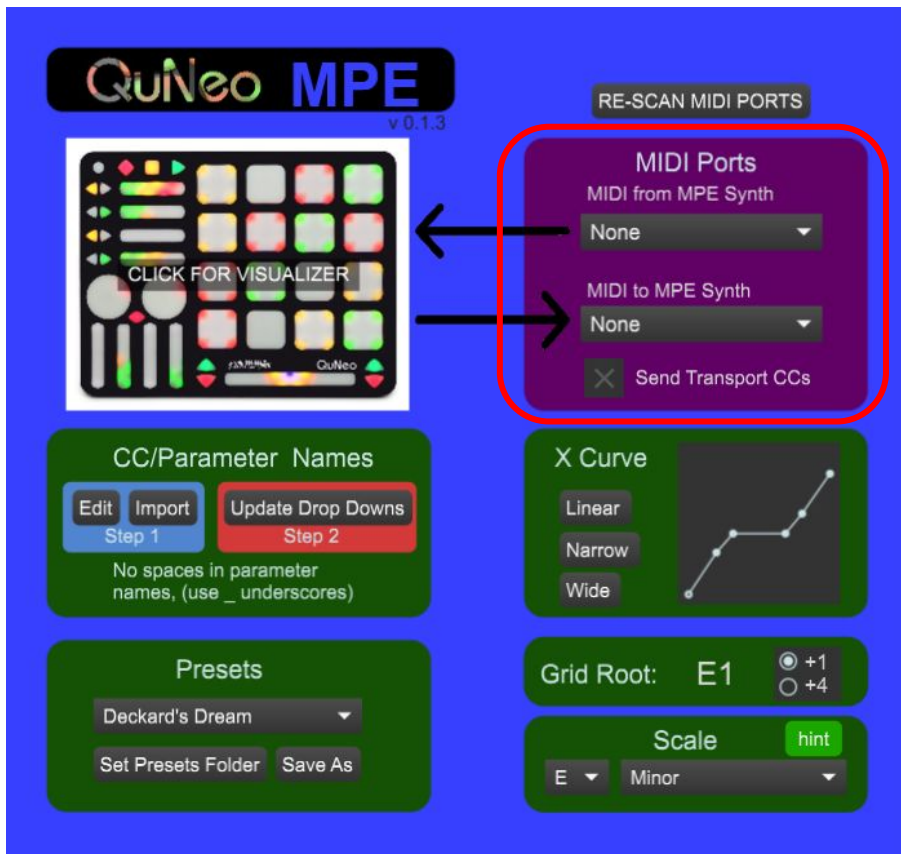
Configure your Ableton preferences with the following settings:

1. Under “Control Surface” select “QuNeoMPE” and set the input and output ports as shown to the left.
2. Under “MIDI Ports” select “Track” for the QuNeoMPE input and output, and select “MPE” for the QuNeoMPE input.

LEAVE THE “QUNEO” PORTS UNCHECKED.

MIDI Ports

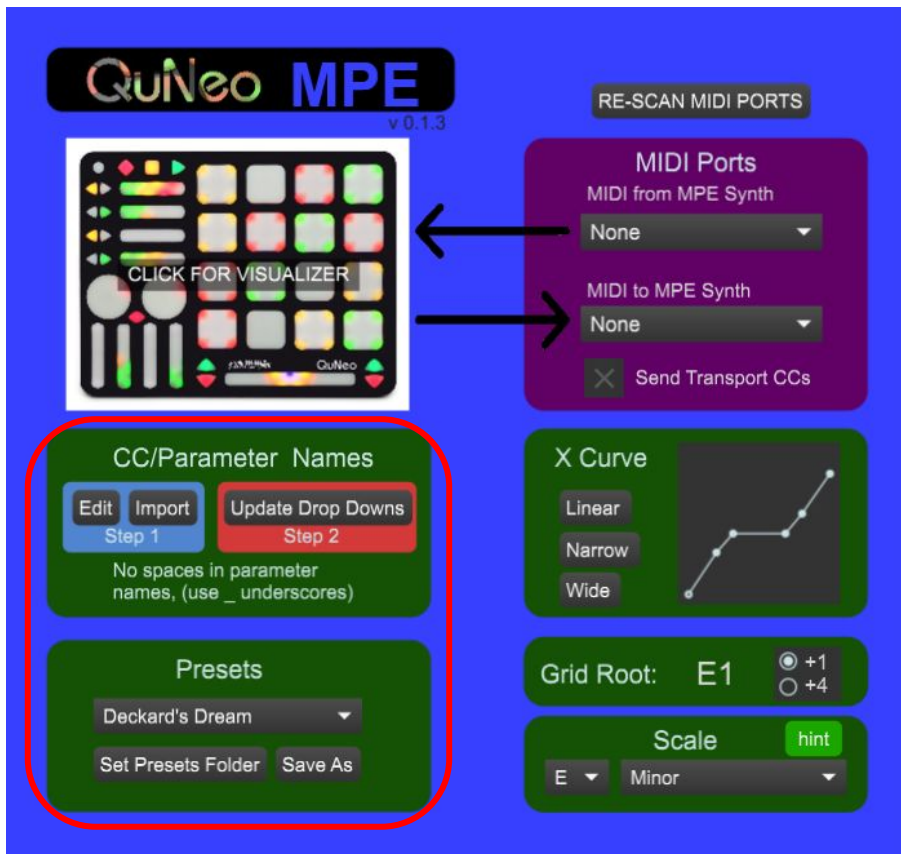
USING THE APP



1. Connect your QuNeo to your computer and open the QuNeo MPE application.
2. The app automatically transmits and receives MIDI on the “to QuNeo MPE” and “from QuNeo MPE” virtual MIDI ports. Use these with your soft synth or DAW.
3. Another set of MIDI input and output ports can be selected to control an external MPE device using real or virtual MIDI devices.
4. “Send Transport CCs” is useful when your device or DAW doesn’t support standard MIDI transport commands without also receiving clock (such as Ableton).

Presets and Parameters

USING THE APP



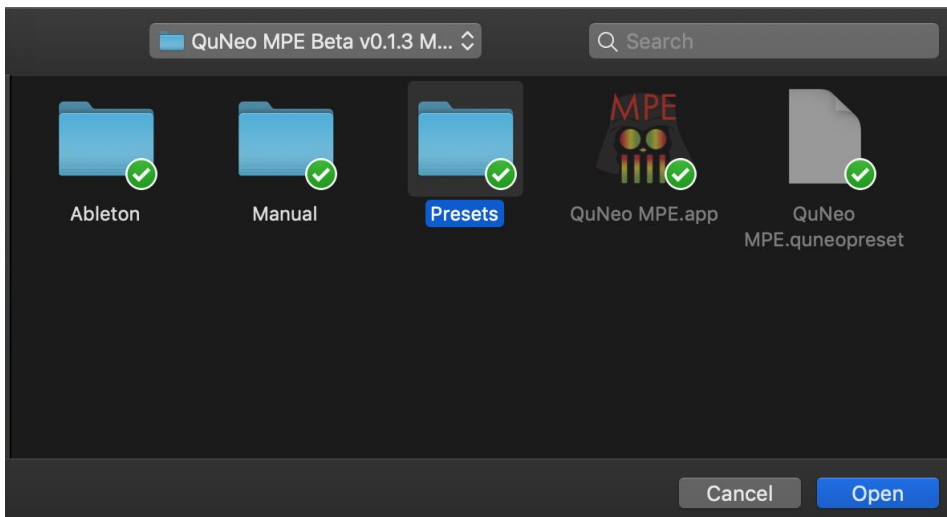
The QuNeo MPE App can store and recall presets for different MPE devices. These presets can store the names of MIDI CCs, and allow quick recall of different mappings for the QuNeo controls.

1. By default the presets are stored in a “Presets” folder in the application directory. You can change this directory with the “Set Presets Folder”.
2. To create a new preset, choose any preset (ie “Default”) and click “Save As”. Enter a name for the new preset, and the current preset settings will be used to create it.
3. Presets are updated as you change settings.
4. You can edit the parameter names assigned to each CC by pressing “Edit”. Parameter names can’t use spaces, we recommend underscores “_” instead.
5. When finished, close/validate your changes and then click “Update Drop Downs”.

Presets and Parameters

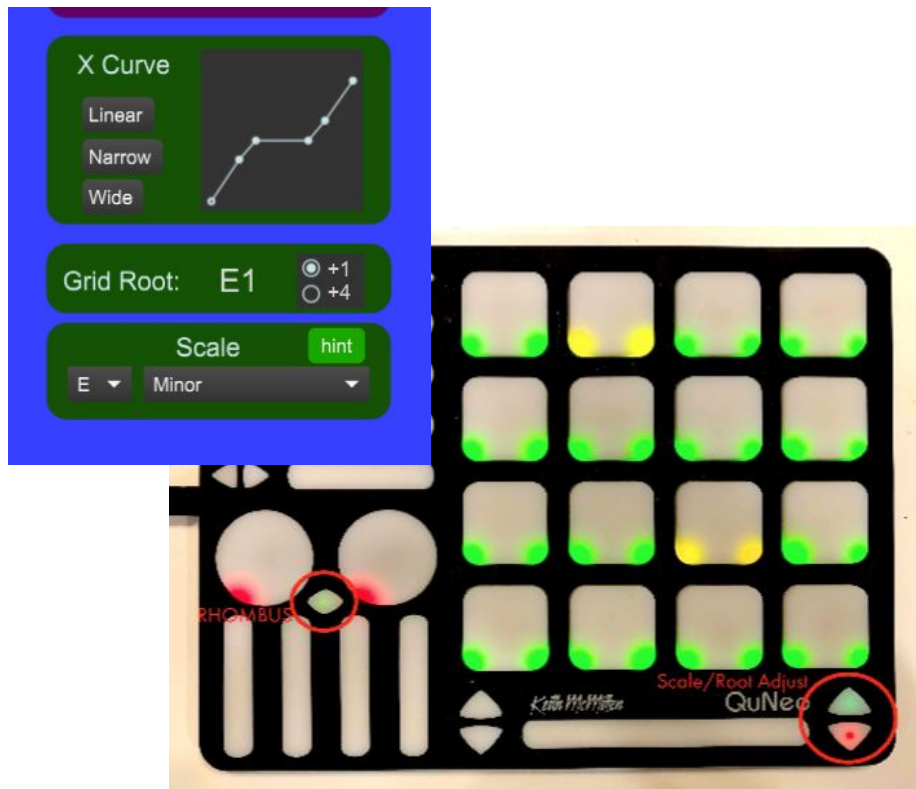
USING THE APP

If the QuNeo MPE App cannot find the preset directory, it will prompt you to locate it when you open the app.



The 4x4 Grid

USING THE APP



The 4x4 grid is used to play MPE notes. Each pad senses note, velocity, and position: X (pitch), Y (slide/modulation), and Z (pressure or aftertouch). The grid can play different scales with root notes shown in yellow. Scale settings are stored in the current preset. The long horizontal slider adjusts the pitch bend range, and the X-Curve adjusts the width of the “safe” spot in the center of the X axis.

1. Use the lower right UP/DOWN arrows to transpose the 4x4 grid up and down within the current scale.
2. Hold down the RHOMBUS and press the lower right UP button to enter “Scale Root Adjust” mode. Use the lower right UP/DOWN buttons to change the root note of the scale. Press the RHOMBUS button to exit.
3. Hold down the RHOMBUS and press the lower right DOWN button to enter “Scale Type Adjust” mode. Use the lower right UP/DOWN buttons to change the current scale (chromatic, major, minor etc). Press the RHOMBUS button to exit.

Pitch Bend Range

| Mod Sources Matrix MIDI MPE | | | | |
|-----------------------------|-----|---------|-------|-------|
| Target | Vel | Note PB | Slide | Press |
| Amp | 50 | | | |
| Pitch | | 48 | | |
| Osc 1 Pos | | | 100 | |
| Osc 1 Warp | | | | 10 |

PITCHBEND RANGE

12

Settings - MIDI

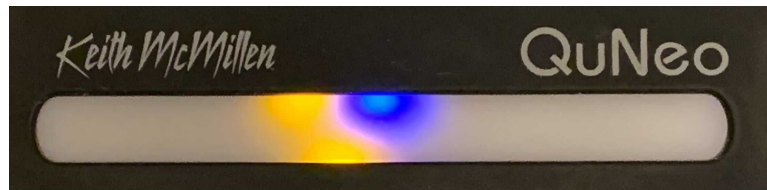
PB Range

12

MPE DEVICE CONFIG

The QuNeo long slider adjusts the range of pitch bend that the QuNeo MPE App sends to your MPE device. Most MPE synths and DAWs will also have a pitch bend range setting that is usually shown in semitones, and often defaults to a setting that spans many octaves.

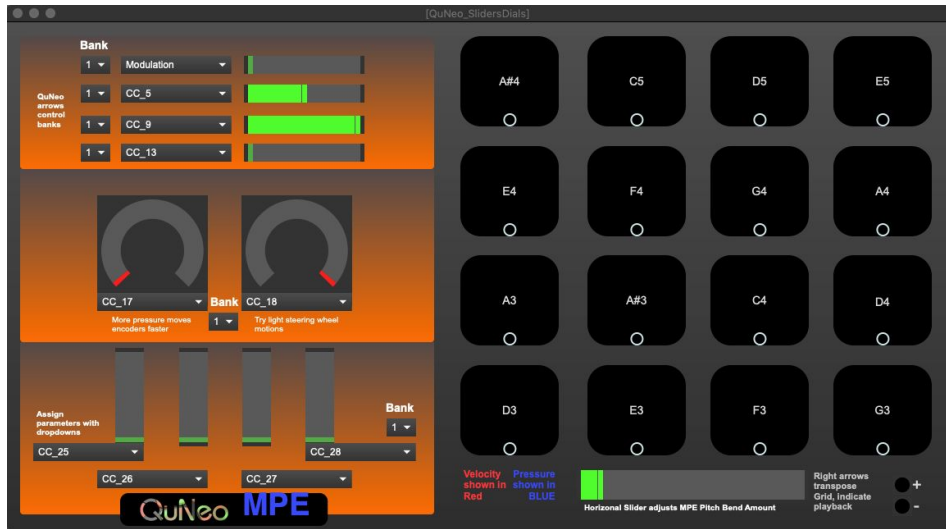
We recommend setting your MPE synth to a smaller pitch bend setting, such as 2, 5, or 7 semitones, and then adjusting the QuNeo as you play. This lets you dynamically add more or less bend to your gestures.



Visualizer and Parameter Mapping

USING THE APP

The Visualizer provides visual feedback from the QuNeo, and allows you to assign CC parameters to banks of sliders. The CC parameter assignments are stored in the current preset.



- Horizontal sliders - each slider has 4 assignable banks, selected with the LEFT/RIGHT arrows to the left of the parameter/slider.
- Encoders - parameters are assigned to both encoders in four banks. Cycle through the banks by pressing the RHOMBUS in between the encoders.

Note: the encoders are pressure sensitive. You can make fine adjustments by making light “steering wheel” circles around the edges of an encoder, or make coarse adjustments by pressing down hard as you move your finger.

- Vertical sliders - these sliders are grouped together into four banks, selectable with the UP/DOWN arrows to the left of the long horizontal slider.

Bugs and Feedback

~ FIN ~

This application is currently in BETA. Your feedback is invaluable to us, please feel free to email contact@keithmcmillen.com if you have any bugs, feature requests, or kudos to share.

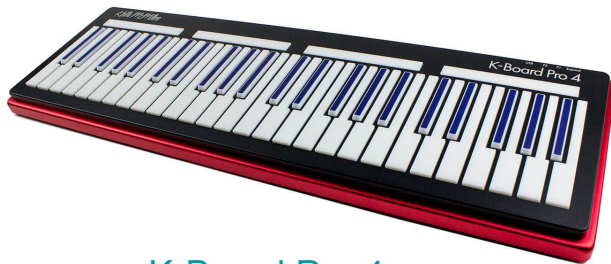
Make sure to check out our other MPE capable controllers:



[BopPad](#)
4 zone channels with
Pressure and Radius



[QuNexus](#)
Per-note Tilt (Y) and Pressure (Z)



[K-Board Pro 4](#)
Per note pitch bend (X), slide (Y),
and pressure (Z)