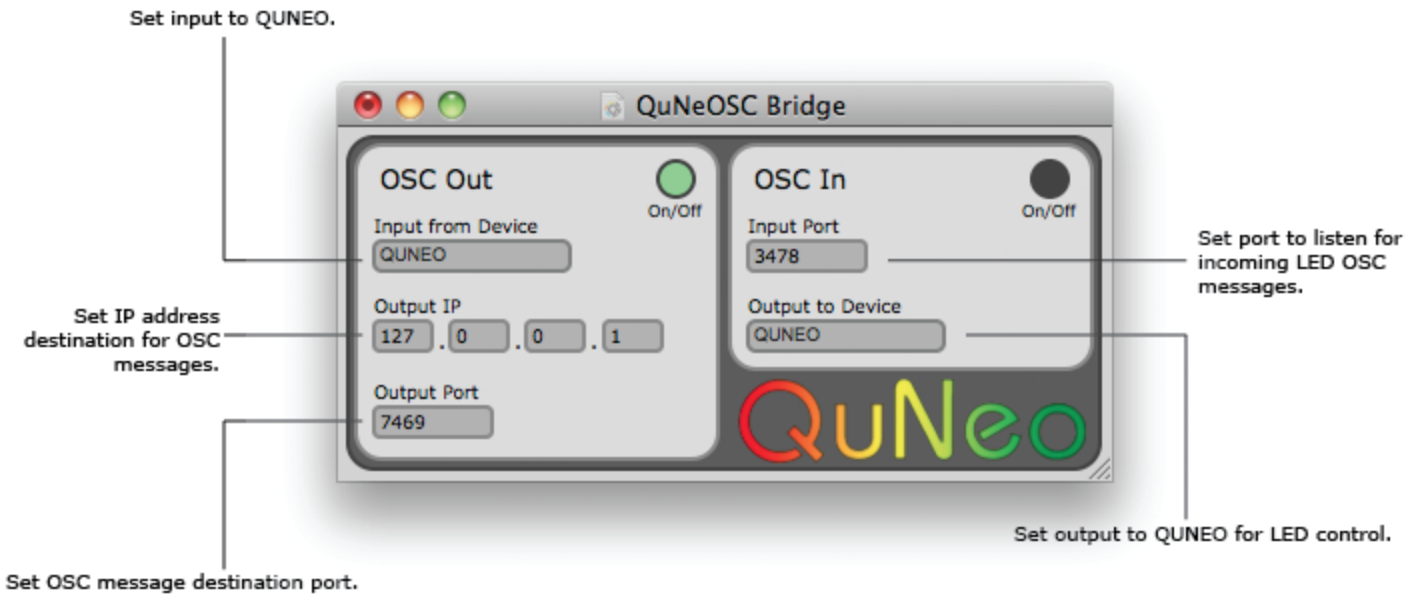


QuNeoOSC Bridge

V0.1 June 8, 2012 **CONFIDENTIAL** Keith McMillen Instruments

QuNeo when used in conjunction with the **QuNeoOSC Bridge**, provides access to all of the QuNeo's data via OSC addresses. In addition to translating data *from* the QuNeo into OSC messages, the **QuNeoOSC Bridge** parses specific *incoming* OSC messages from a specified port in order to control the QuNeo's LEDs. The addresses are described below.



Output OSC Addresses

Pads

The drum pads are indexed from 0 - 15 starting from the bottom left corner, ascending from left to right, and continuing on the next row up. The drum pads send x and y coordinates, note velocity and pressure data using the following naming convention:

```
/quneo/pads/0-15/drum/note_velocity  
/quneo/pads/0-15/drum/pressure  
/quneo/pads/0-15/drum/x  
/quneo/pads/0-15/drum/y  
/quneo/pads/0-15/grid/NW/note_velocity  
/quneo/pads/0-15/grid/NW/pressure  
/quneo/pads/0-15/grid/NE/note_velocity  
/quneo/pads/0-15/grid/NE/pressure  
/quneo/pads/0-15/grid/SE/note_velocity  
/quneo/pads/0-15/grid/SE/pressure  
/quneo/pads/0-15/grid/SW/note_velocity  
/quneo/pads/0-15/grid/SW/pressure
```

Horizontal Sliders

The horizontal sliders are indexed from 0 - 3 from top to bottom with 0 being the top slider. The horizontal sliders send note velocity, pressure and location data using the following naming convention:

```
/quneo/hSliders/0-3/note_velocity  
/quneo/hSliders/0-3/pressure  
/quneo/hSliders/0-3/location
```

Vertical Sliders

The vertical sliders are indexed from 0 - 3 starting from left to right. The vertical sliders send note velocity, pressure and location data using the following naming convention:

```
/quneo/vSliders/0-3/note_velocity  
/quneo/vSliders/0-3/pressure  
/quneo/vSliders/0-3/location
```

Long Slider

The "long slider" is a single, horizontal slider located below the drum pads. The long slider sends note velocity, pressure and location data like the horizontal and vertical sliders, but with the addition of width (the distance between two fingers on the slider) using the following naming convention:

```
/quneo/longSlider/note_velocity  
/quneo/longSlider/pressure  
/quneo/longSlider/location  
/quneo/longSlider/width
```

Rotaries

The two circular rotaries are numbered 0 and 1, on the left and right respectively. The rotaries send note velocity, pressure, location and direction data using the following naming convention:

```
/quneo/rotaries/0-1/note_velocity  
/quneo/rotaries/0-1/pressure  
/quneo/rotaries/0-1/location  
/quneo/rotaries/0-1/direction
```

Up/Down Buttons

The up/down bank buttons are located on either side of the long slider. On the left side the buttons will both be numbered 0, and on the right both will be numbered 1. The up/down buttons send note velocity and pressure data using the following convention:

```
/quneo/upButton/0-1/note_velocity  
/quneo/upButton/0-1/pressure  
/quneo/downButton/0-1/note_velocity  
/quneo/downButton/0-1/pressure
```

Left/Right Buttons

The left/right bank buttons are located to the left of the horizontal sliders. They are indexed from 0 - 3 starting with the top button on each side. The left/right buttons send note velocity and pressure data using the following convention:

```
/quneo/leftButton/0-3/note_velocity
```

/quneo/leftButton/0-3/pressure
/quneo/rightButton/0-3/note_velocity
/quneo/rightButton/0-3/pressure

Rhombus Button

The rhombus button is located below the two rotaries. The rhombus button sends note velocity and pressure data using the following naming convention:

/quneo/rhombus/note_velocity
/quneo/rhombus/pressure

Mode Button

The mode button is located at the top left of the controller. The mode button sends note velocity and pressure data using the following naming convention:

/quneo/modeButton/note_velocity
/quneo/modeButton/pressure

Transport Buttons

The three transport buttons are at the top left side of the controller and include the diamond, square, and rectangle buttons which are indexed in that order from 0 - 2 respectively. The transport buttons send note velocity and pressure data using the following convention:

/quneo/transport/0-2/note_velocity
/quneo/transport/0-2/pressure

LED Input Addresses

Pads

/quneo/leds/pads/0-15/NW/green (brightness value 0.- 1.)
/quneo/leds/pads/0-15/NW/red
/quneo/leds/pads/0-15/NE/green
/quneo/leds/pads/0-15/NE/red
/quneo/leds/pads/0-15/SW/green
/quneo/leds/pads/0-15/SW/red
/quneo/leds/pads/0-15/SE/green
/quneo/leds/pads/0-15/SE/red

Long Slider

/quneo/leds/longslider/0-16 (brightness value 0.- 1.)

Horizontal Sliders

/quneo/leds/hSliders/0-7 (brightness value 0.- 1.)

Vertical Sliders

/quneo/leds/vSliders/0-7 (brightness value 0.- 1.)

Rotaries

/quneo/leds/rotaries/0-11 (brightness value 0.- 1.)

UpDown Buttons

/quneo/leds/upButton/0-1 (brightness value 0.- 1.)

/quneo/leds/downButton/0-1 (brightness value 0.- 1.)

LeftRight Buttons

/quneo/leds/leftButton/0-1 (brightness value 0.- 1.)

/quneo/leds/rightButton/0-1 (brightness value 0.- 1.)

Rhombus Button

/quneo/leds/rhombus (brightness value 0.- 1.)

Mode Button

/quneo/leds/modeButton (brightness value 0.- 1.)