OSC Trigger
Configuration for Obsidian Onyx
(4.10.1263 and newer)

Preamble

To extend Obsidian Onyx with sound control functionality, it can be combined with OSC Trigger. To do so, we will configure a “Beat Provider” in Onyx and “virtually” tap it with OSC Trigger to set the tempo. The settings for this connection are described in this document. For general information about OSC Trigger, see the user manual.

This document is valid for Onyx versions 4.10.1263 and up. In these versions, Onyx contains its own beat detection mechanism, but you still are able to use OSC Trigger if preferred.

Onyx and OSC

The free version of Onyx (you do not have a license or special hardware by Obsidian) only supports limited OSC control. For details on different license versions and OSC support see https://support.obsidiancontrol.com/Content/License_Information/Onyx_Licenses.htm and also https://support.obsidiancontrol.com/Content/License_Information/Onyx_PC_Modes.htm.

While at the time of writing the OSC “BEAT” functionality also works in the limited “FREE” and “NOVA” Modes, this might change in the future and should be checked when updating Onyx. In “NOVA+” and better, full OSC functionality is given.

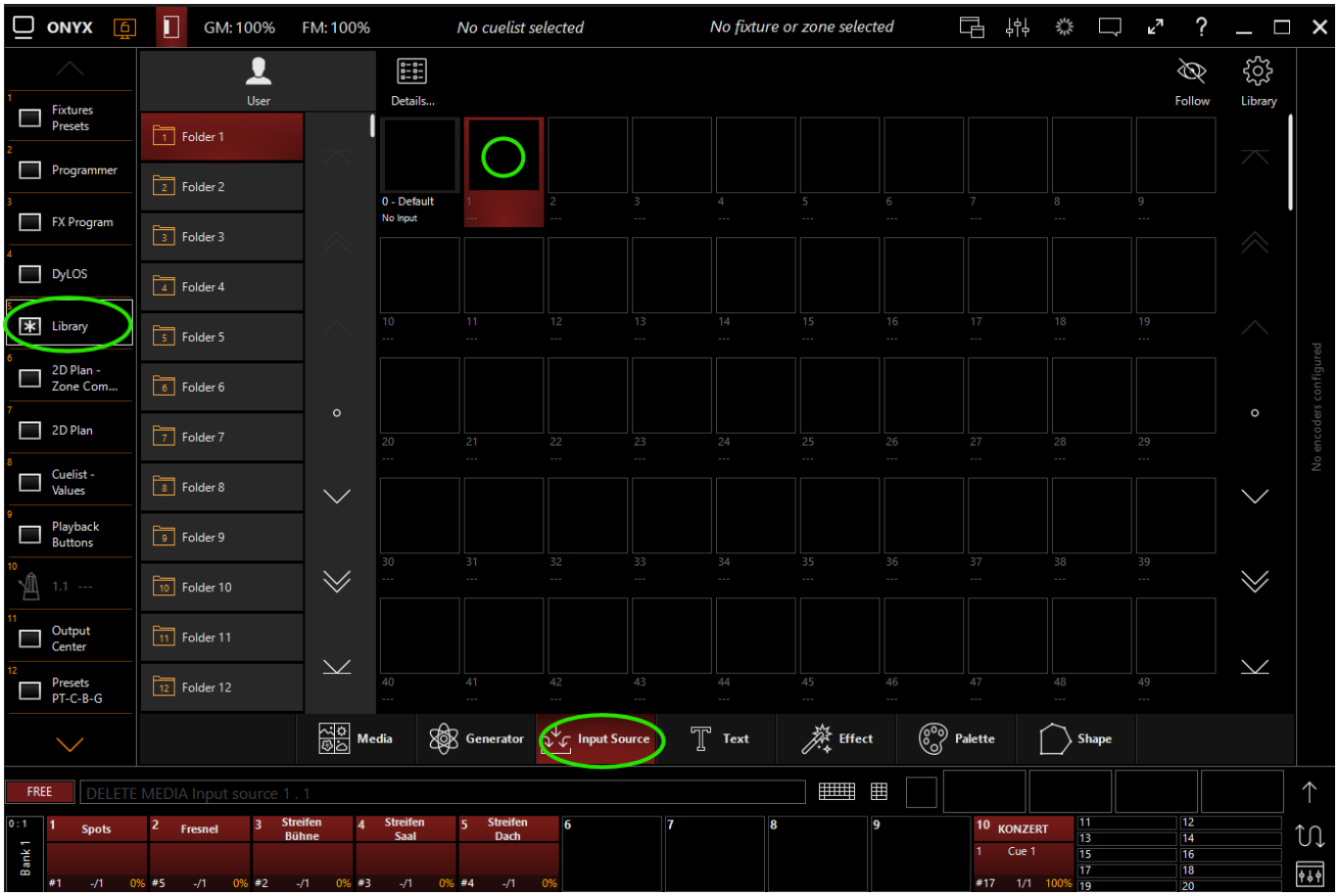
If you want to use keypress simulation instead of OSC, please refer to the older version of this document (before Onyx 4.10.1263)

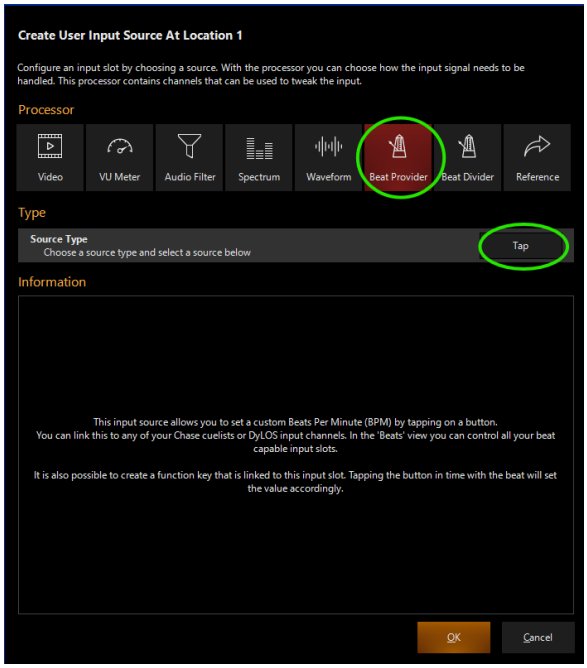
Attention: At the moment, Onyx only supports OSC control if it is connected to a “real” network interface. If no network connection is present, no connection (e.g. via “localhost”) is possible! One could try some workaround with a virtual network connection that can be selected in Onyx but this includes advanced (virtual) networking and is untested for now.

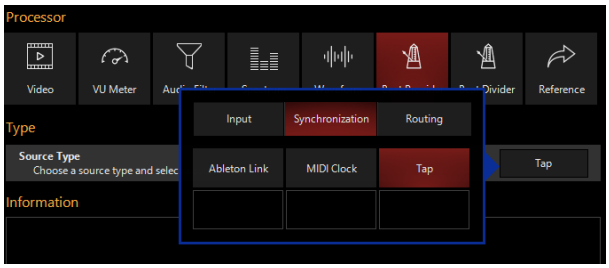
OSC Configuration

Configuration of Onyx

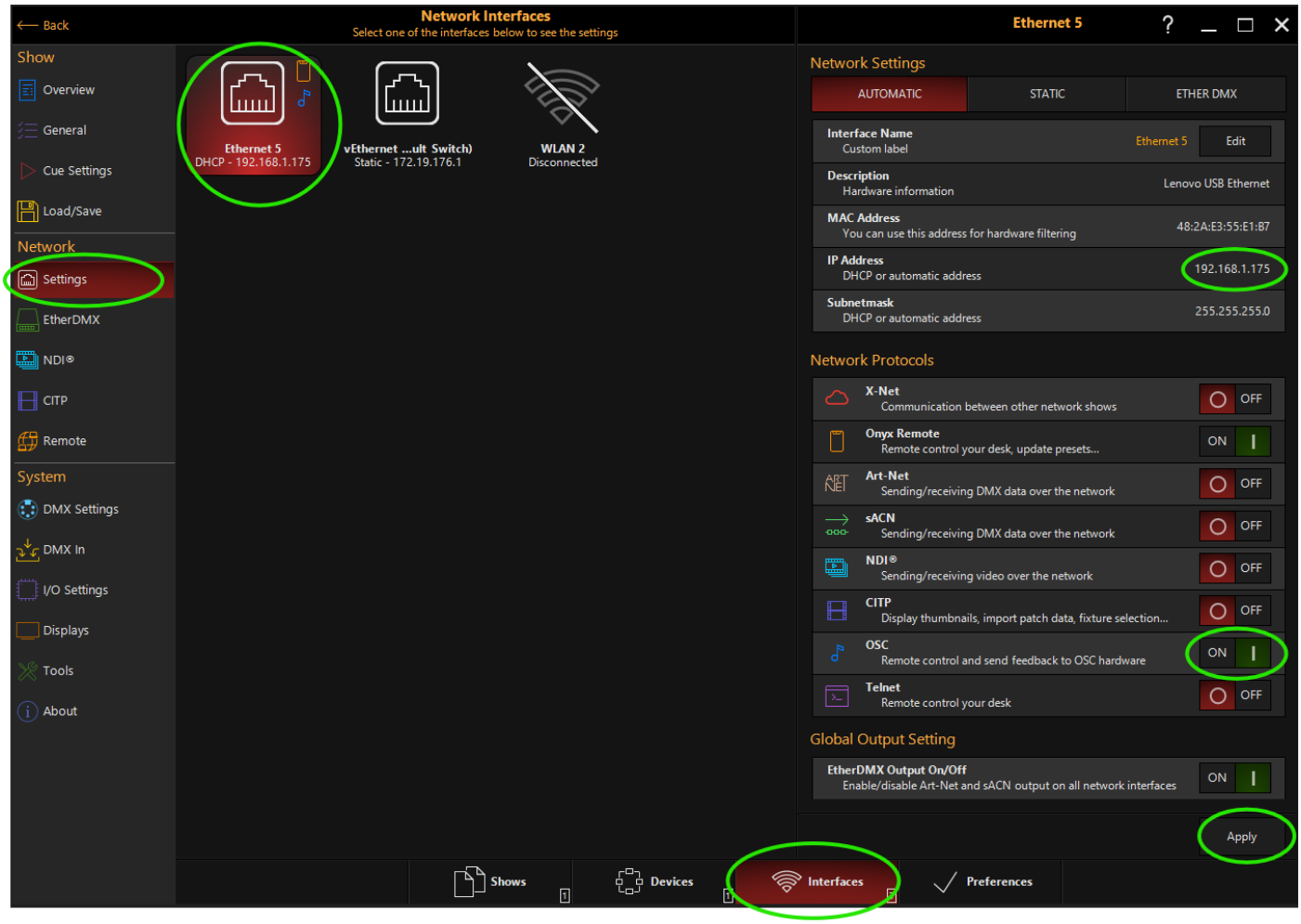
1. Create a Beat Provider
    a. Make sure you have the “**Library**” View available and open it.
        i. If you don’t have the “Library” View on the Sidebar, from the Main Menu unlock your workspace and under “**Sidebars**” add “**Views -> Library**” to a button of your choice.
    b. Go to “**Library -> Input Source**” and by double clicking the first slot add a new Source
        i. Select “**Beat Provider**” as type and “**Synchronisation -> Tap**” as sub type.
        ii. Click OK.
        iii. Sidenote: You will have to select this Beat Provider as “Beat/Sound Trigger” under “Chase Options” for every single cue that should react to sound and/or tapping. There is no global tempo anymore in the newer version of Onyx.



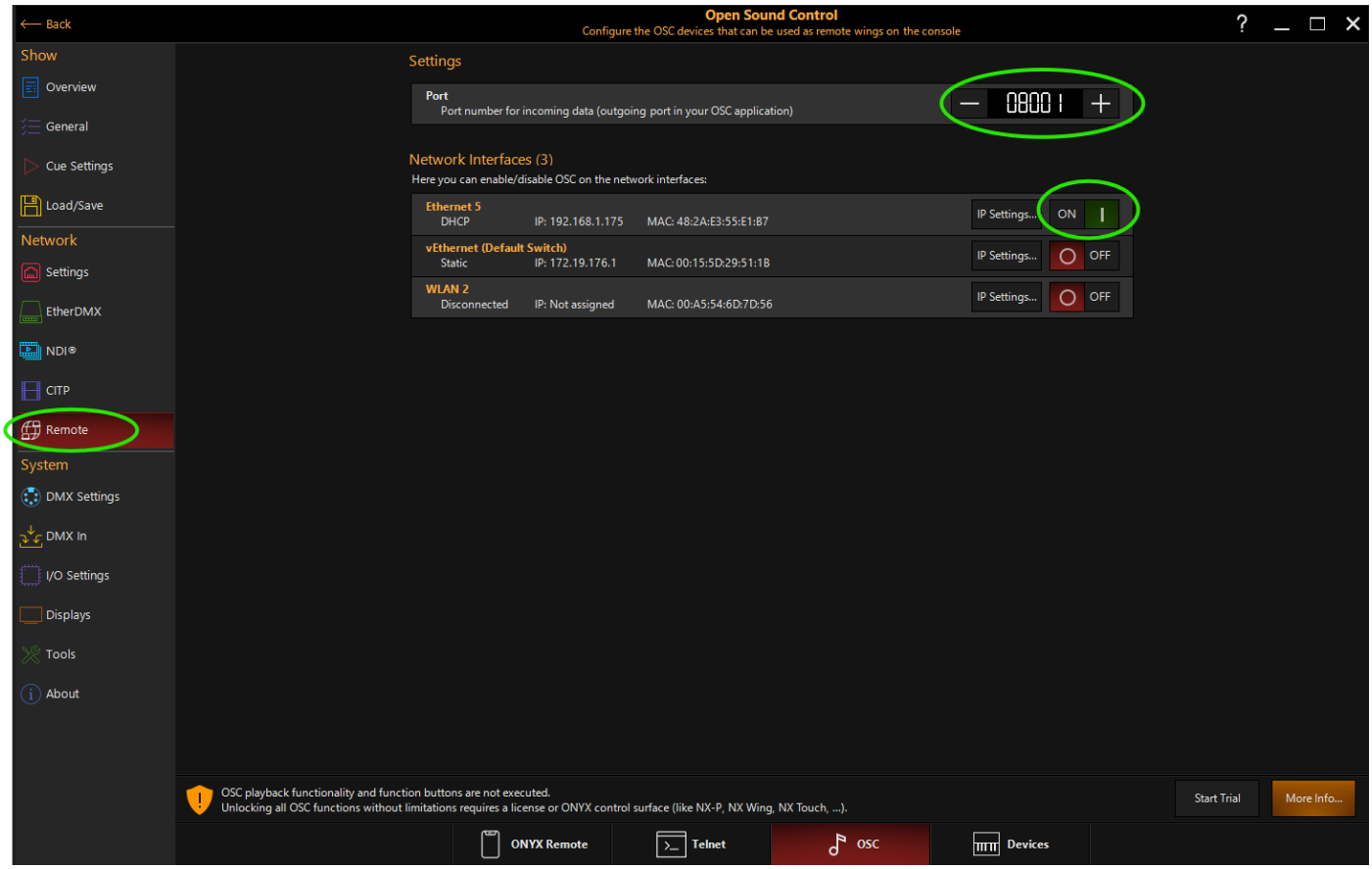




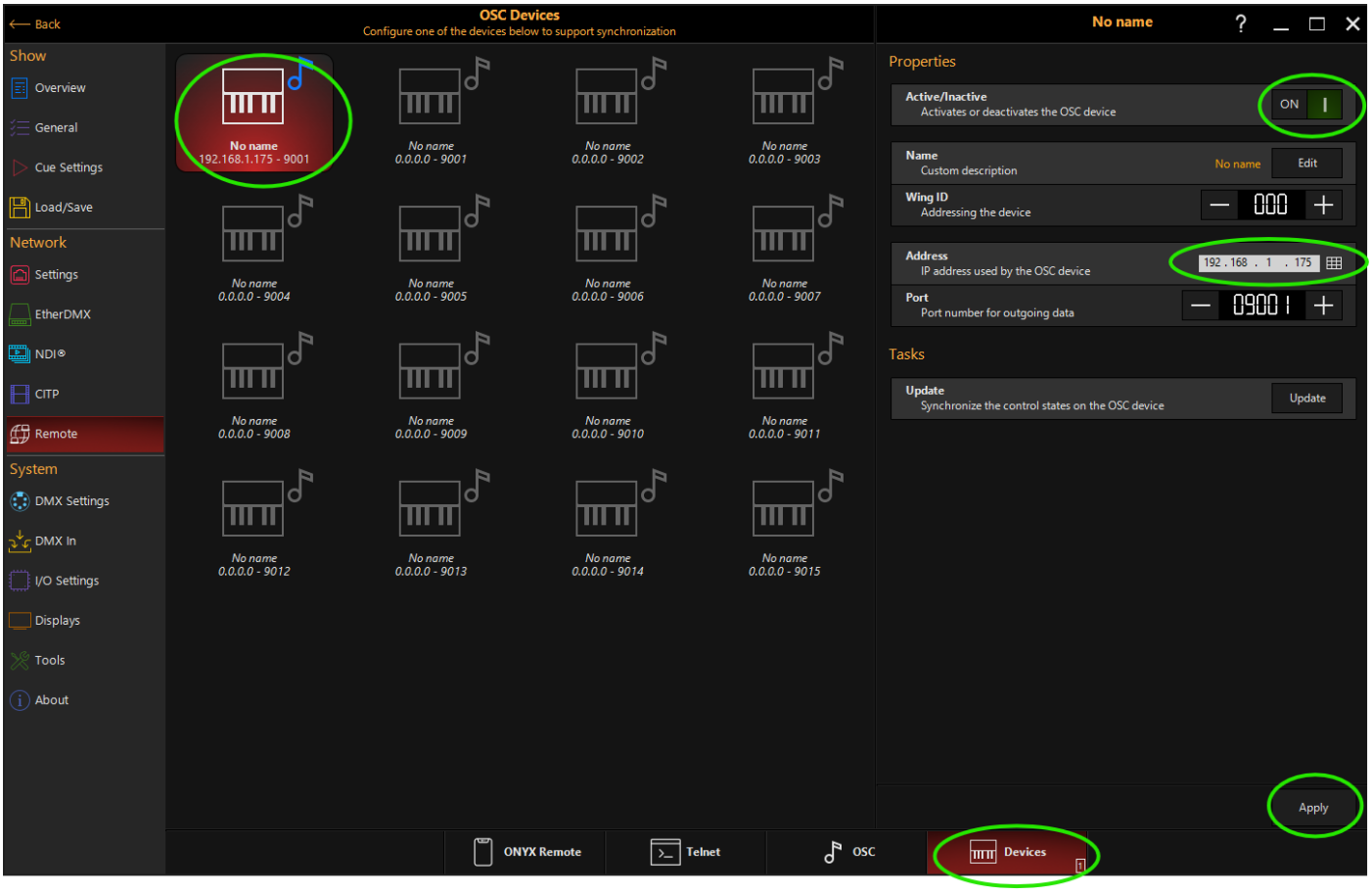
2. Activate **global OSC functionality**
    a. Go to (Onyx Logo) -> **General -> Menu**
    b. Go to **Network -> Settings -> Interfaces** and choose the active network interface
    c. Set **Network Protocols -> OSC** to "**On**"
    d. Click "**Apply**"
    e. Note your local **IP Adress** shown for the network interface for later



3. Configure **OSC settings**
    a. Go to **Network -> Remote -> OSC**
    b. Set network **port** (for communication OSC Trigger -> Onyx) [e.g. **8001**]
    c. **Enable OSC** for the active network interface



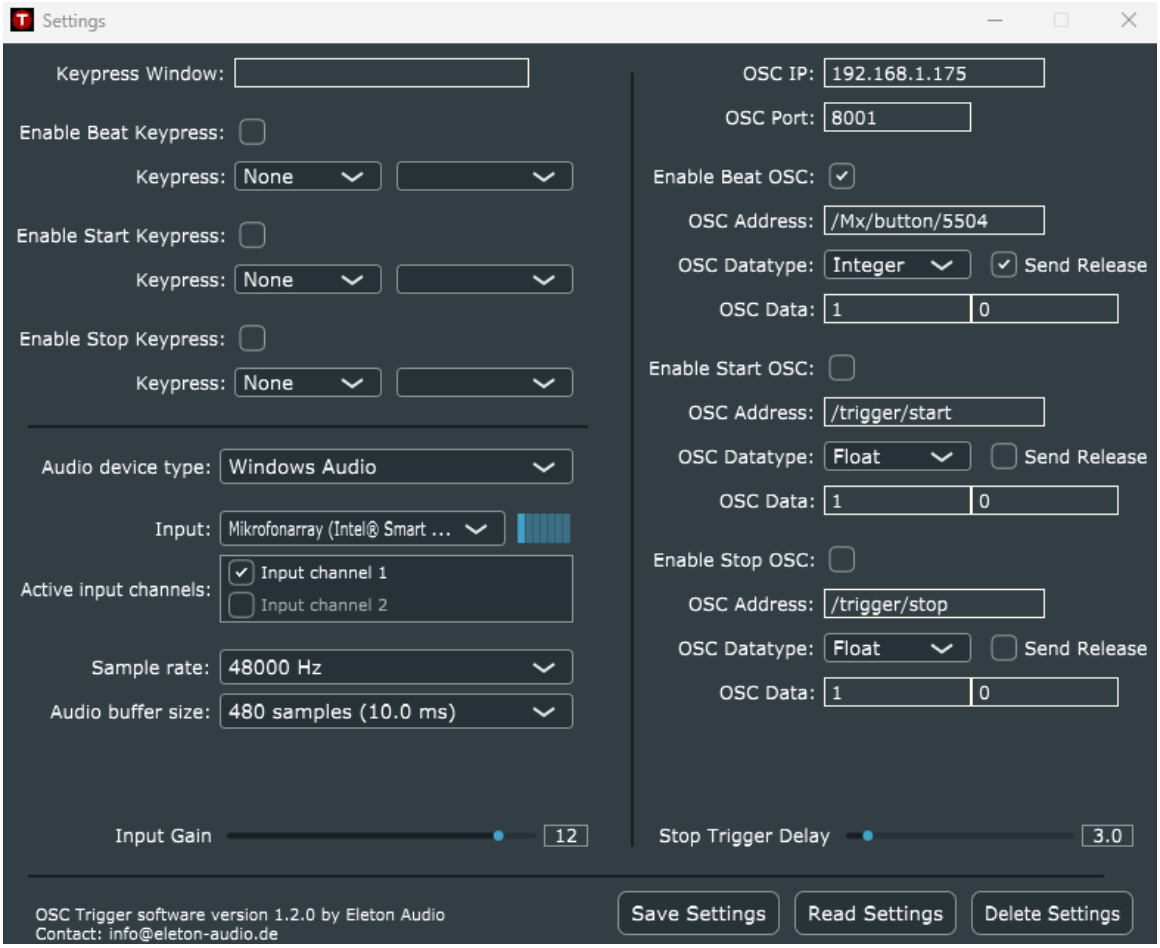
4. Configure **OSC device**
    a. Go to **Network -> Remote -> Devices**
    and choose one unused device
    b. Set **Active/Inactive** to “**On**”
    c. Set Address to **local IP address** (noted earlier on Network -> Settings -> Interfaces)
    d. Set network **port** (for communication Onyx -> OSC Trigger) [e.g. **9001**], value does not matter
    e. Click “**Apply**”



Configuration of OSC Trigger

You have to configure OSC Trigger to send a OSC message matching the Onyx requirements. All of the following settings can be found in the “Settings” window of OSC Trigger.

1. OSC IP: Enter the local **IP Address shown in Onyx** for active network interface at Network -> Settings -> Interfaces. Do NOT use “localhost” or “127.0.0.1”!
2. OSC **Port**: Enter the network port configured in Onyx (for communication OSC Trigger -> Onyx) shown at Network -> Remote -> OSC [e.g. **8001**]
3. **Enable Beat OSC**: On
4. **OSC Address**: Enter the following to trigger “BEAT” tapping: **/Mx/button/5504**
5. OSC **Datatype: Integer**
6. OSC Data: **1**
7. **Send Release**: On
8. OSC Data for Release message: **0**



Testing

To test the connection, you may tap the Trigger Indicator (the coloured box in the top left) of OSC Trigger a few times. Now you should be able to see the tempo (bpm) flashing and changing in the Onyx top bar.