



TiMax panLab

TouchOSC Integration Guide

Background

TouchOSC is a third party product which allows users to create customisable control interfaces on iPadOS, iOS, Android, Windows, Mac and Linux systems. The customisable controls can be programmed to output OSC or MIDI messages to the network, and those controls can also be set via OSC and MIDI. [You can download TouchOSC from here.](#)

We have developed an advanced TouchOSC template, allowing for bi-directional communication between TiMax panLab and a device running TouchOSC. This setup guide is designed to help you connect TiMax panLab with TouchOSC. [You can download the template from here.](#)

Network

The device running TouchOSC and the Mac running TiMax panLab need to reside on the same local area network. You will need to know the IP address of the Mac running TiMax panLab, and the network ports TiMax panLab transmits and receives on. The IP address can be found in the macOS Network Settings. Below is a screenshot of the TiMax panLab Settings window. This image shows the default ports, which are RX on: 5300, TX to: 5301.

TiMax panLab Settings

Default Values

Default Output Levels

Max Level dB

Derived Output 1 -100 dB

Derived Output 2 -100 dB

Derived Output 3 -100 dB

Derived Output 4 -100 dB

Derived Output 5 -100 dB

Derived Output 6 -100 dB

Derived Output 7 -100 dB

Derived Output 8 -100 dB

OSC Control Preferences

Receive on Port:

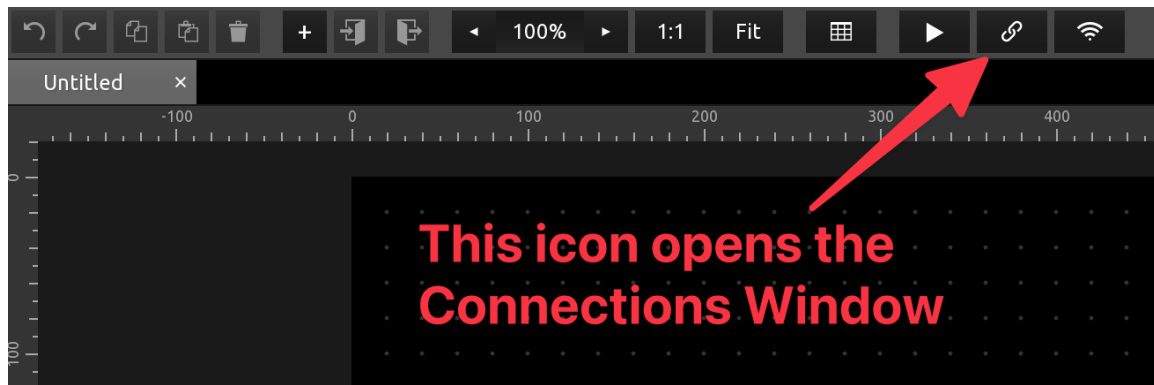
Transmit to Port:

Reset all preferences

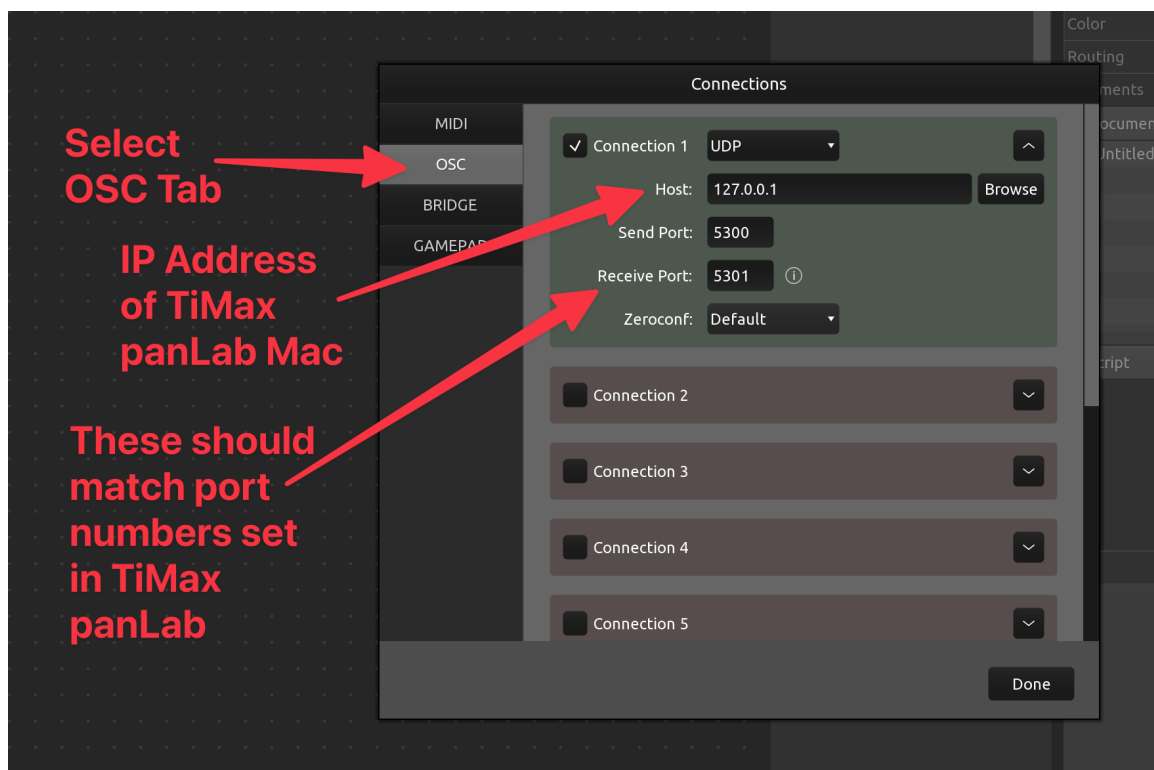
Reset all warnings

Done

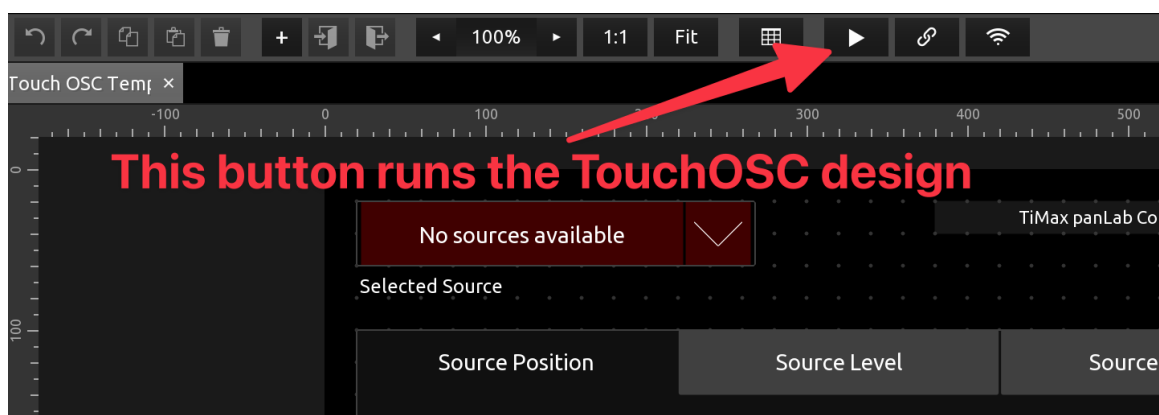
From within TouchOSC, you will need to navigate to the Connections Window:



From here, you will need to enter the IP address of the Mac running TiMax panLab, as well as the TiMax panLab Transmit and Receive ports:



Open the included TiMax panLab TouchOSC template, and you should now be able to run the design:



The template should automatically discover any open TiMax panLab files on the Mac and allow you to select and modify any available Sources. You will need to ensure that each Source you want to control is set to be recallable via OSC for position, level and config changes. You can do this from within the Source Manager in TiMax panLab.

The advantage of delivering a TouchOSC template as opposed to a dedicated iOS or Android app is that it is completely customisable by the end user. You are free to modify the layout and functionality as you see fit. Please see the OSC Dictionary section of our TiMax panLab documentation for further details, should you wish to add additional functionality to this template.