Kiwa Digital Ltd.

Logic Pro | User Guide

This guide provides information to help you get started and understand VoiceQ Pro and Logic Pro.

Introduction

Overview

This guide provides detailed information on the configurations and procedures employed in VoiceQ and Digital Audio Workstations. Its purpose is to assist Audio Engineers in comprehending the operation and setup of both systems.

During the recording process, VoiceQ assumes the responsibility of playing back the movie file, replacing the role typically performed by Logic Pro. Although you can keep the movie file loaded in your Logic Pro session, disabling the track is advisable to prevent interference with the VoiceQ Application.

VoiceQ overlays the scrolling text onto the movie and outputs it through your Apple Mac video card's second DVI/HDMI port (or the external DVI port on laptops). By utilizing the Graphics Processing Unit (GPU) and the Memory on the video card, VoiceQ processes the video, thereby reducing the CPU load on your computer.

While you continue working in Logic Pro, VoiceQ will synchronize and follow along. Additionally, VoiceQ allows cueing Logic Pro when a line is selected, automatically positioning the Logic Pro session to the recording location for that specific line with an adjustable pre-roll value. However, it's important to note that VoiceQ does not exert control over Logic Pro in any other manner.

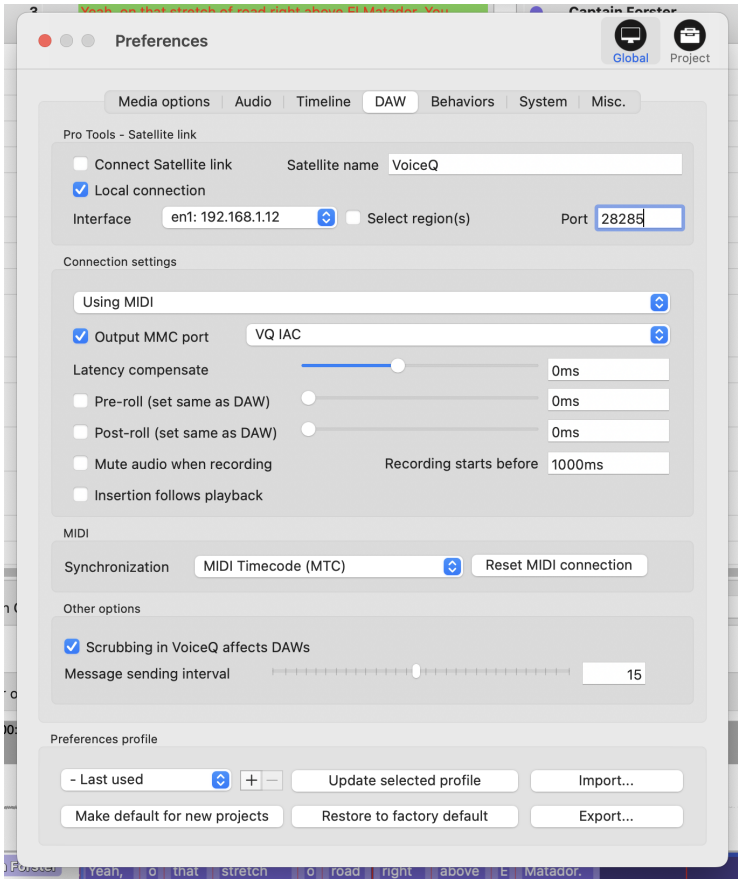
Using your regular workflow, the actual audio recording and playlist management still occur within Logic Pro.

Notes

- VoiceQ is compatible with various other recording applications such as Pro Tools, Soundtrack, and others in a single computer configuration. Please refer to our website for the correct setup instructions and accompanying screenshots for these applications.
- In a dual computer configuration, the Digital Audio Workstation can be any device that supports the output of MIDI Time Code (MTC) and/or MIDI Machine Control.
- If you encounter difficulties stopping playback from VoiceQ, we recommend utilizing the transport controls through Logic Pro.

DAW Preferences (VoiceQ)

The preferences have been slightly altered to allow easier user access to options for MIDI.



Connect Satellite link – Allows users to activate the AVID Satellite link between VoiceQ Pro and AVID Pro Tools.

Satellite name – Allows users to select the name of the AVID Satellite protocol.

Local connection – Allows users to choose to have AVID Satellite running on a local device. Deselect this checkbox if you wish to connect to another device on macOS or Windows.

Interface – This is where users can find their router connection to connect to other devices. *Note: If using the local connection, the network chosen will match your current network connection.*

Select regions(s) – Allows users to select a region in Pro Tools. The option is great for selecting loop recording. If deselected, the selection will choose the start position only.

Option selection (MIDI/Rewire) – Allows users to select either MIDI or ReWire connections. Note: ReWire will not be visible if not active or installed.

Output MMC port checkbox – Outputs MIDI/ReWire data and ignores any chase data sent from Reaper. This option is used if Reaper engineers need to make changes on the fly and not affect VoiceQ playback.

MIDI device selection – This dropdown lists all available external connections

Latency compensate – If playback is incorrect between VoiceQ and the set DAW. Users can adjust the latency using the slider.

Pre-roll – Users can now set pre-roll in Reaper and leave this option unchecked. This option is available if users wish to see pre-roll when not connected to a DAW.

Post-roll – Sets the time the DAW records after the line is completed

Mute audio when recording – Mutes VoiceQ audio

Recording Starts before – Sets the time the DAW records before the line begins.

Insertion follows playback - Playhead follows from DAW in VoiceQ

Synchronisation - The user can select either to output ‘MIDI Timecode (MTC)’ or ‘Song Position Pointer (SPP)’

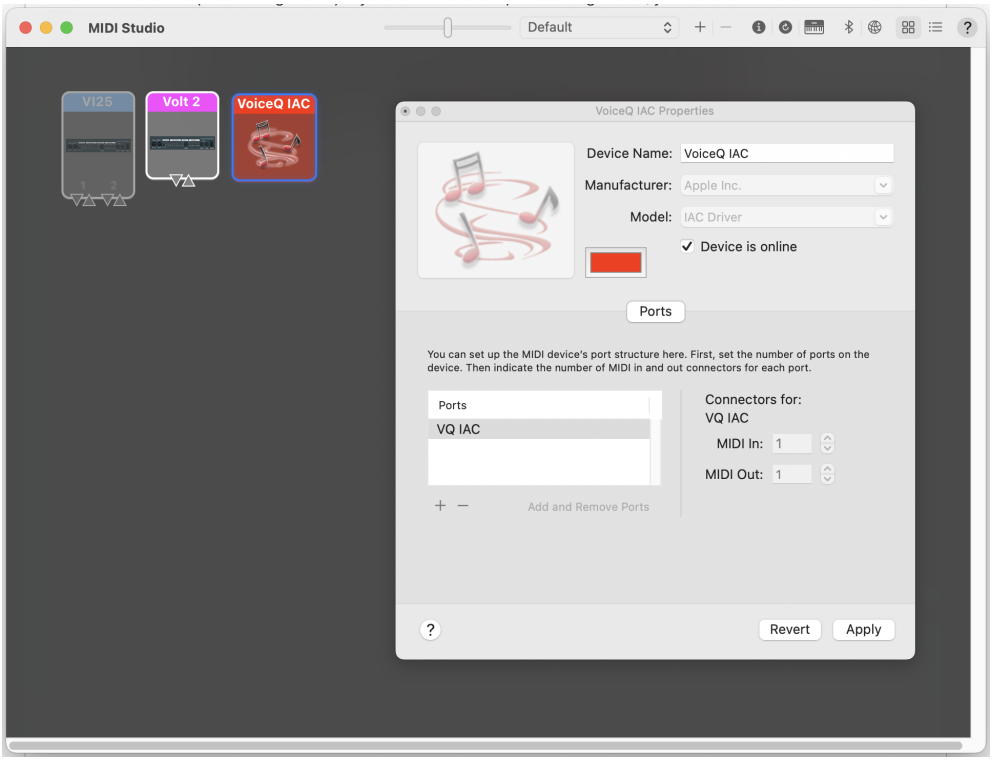
Scrubbing - Scrubbing allows users to choose the send interval using MIDI. *Note: Higher values can cause degraded performance on specific devices.*

Single Machine Setup (using IAC driver)

The Apple Inter Application Communication (IAC) Bus sends all MIDI information when VoiceQ and Logic Pro are on the same computer – we refer to this as a Single Computer Configuration.

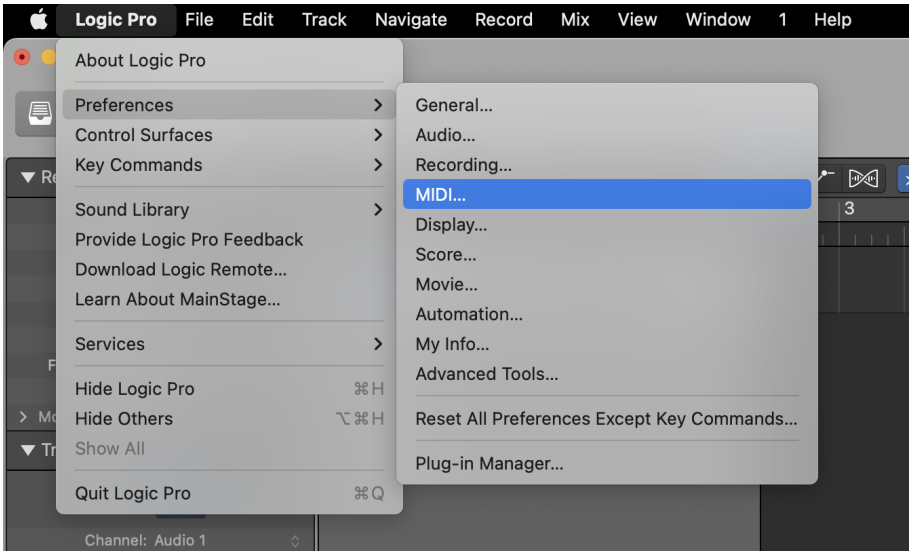
A MIDI interface or Network Session is used when the Digital Audio Workstation (DAW), in this case, Logic Pro, and VoiceQ, are on separate machines (dual computer configuration). If you use a Dual Computer Configuration, you do not need the IAC Bus and can skip directly to the next section.

1. Open MIDI Studio. It is located in Applications/Utilities/Audio MIDI Setup.app. Launch this app and select Window>Show MIDI Window (Command + 2) from the menu to open it.
2. Select IAC Driver. Double-click it to open the IAC Driver Properties window.
3. Add Ports by selecting the '+' button and giving the port a name. In this example, we named it 'VQ & PT'.
4. Click the 'Device is online' checkbox to enable this virtual MIDI device.

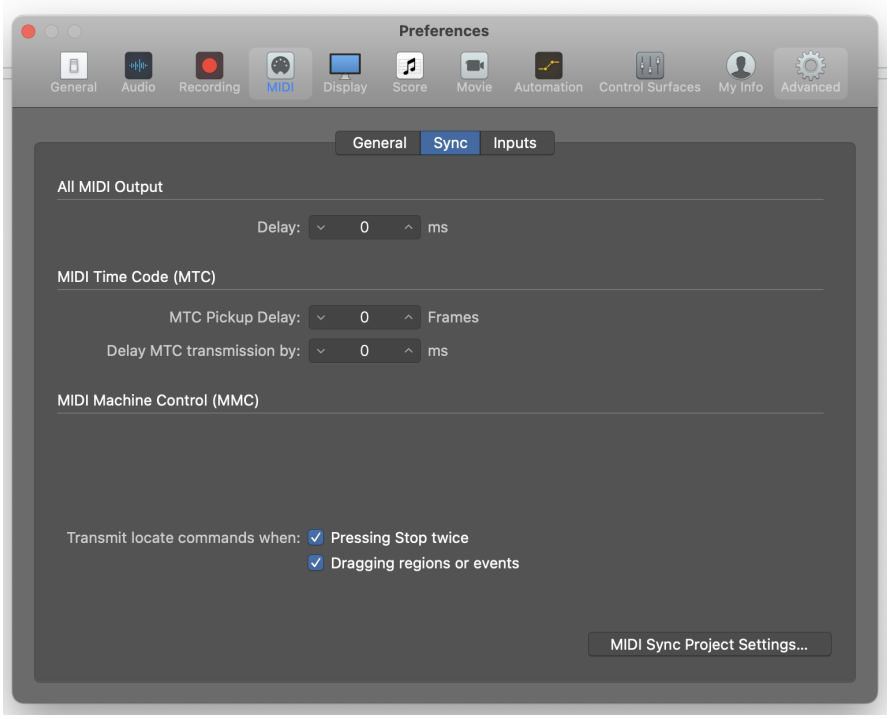


Setting up IAC MIDI in Logic Pro

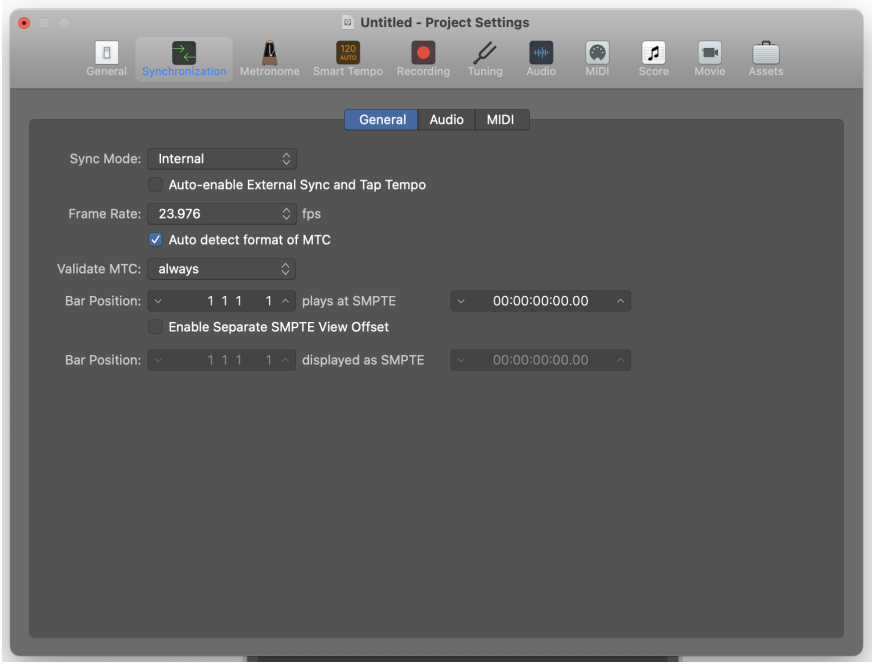
1. Launch the **Logic Pro application** and select Logic Pro>Preferences>MIDI from the menu.



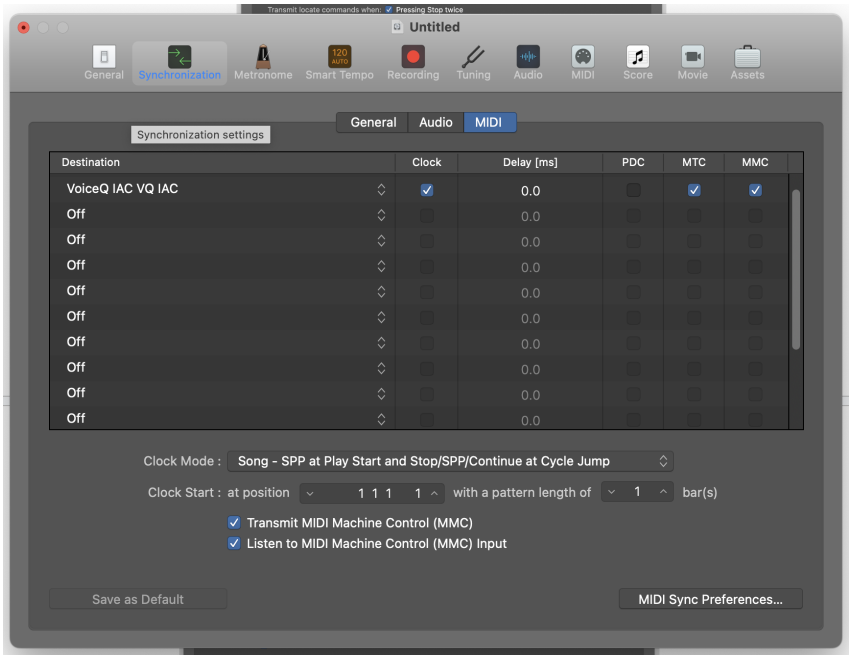
2. Select the Sync tab from the menu and ensure your settings match those in the image below. Once completed, close the window.



3. Select the 'MIDI Sync Project Settings...' and then choose the 'Internal' sync mode, choose the correct frame rate, and select the 'Auto detect format of MTC'.

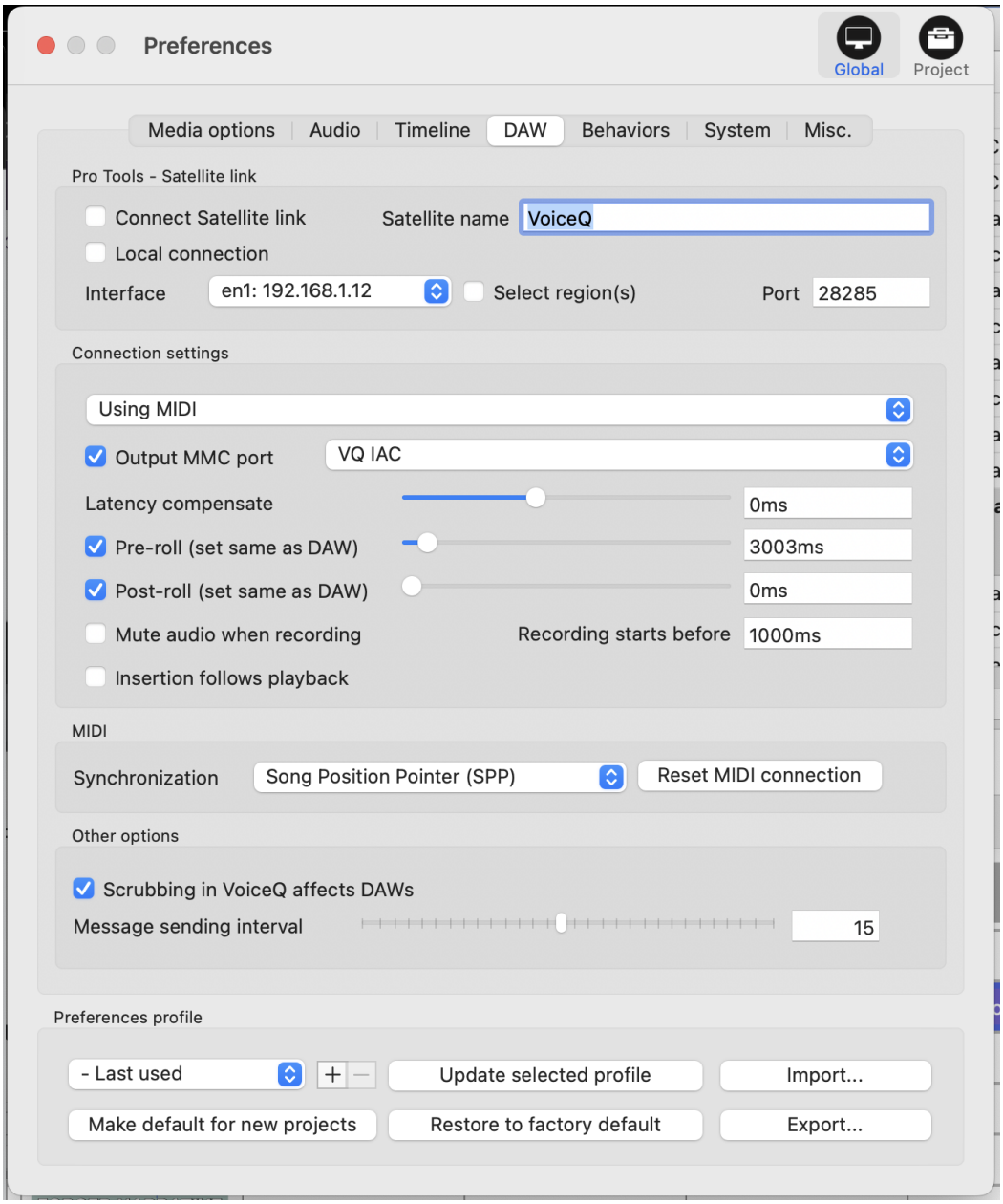


4. Select the MIDI tab and select the IAC MIDI port as the destination. Select the clock, MTC and MMC checkboxes. Then select the 'Transmit MIDI Machine Control (MMC)' and 'Listen to MIDI Machine Control (MMC) Input' checkboxes below. *(See image for reference)*

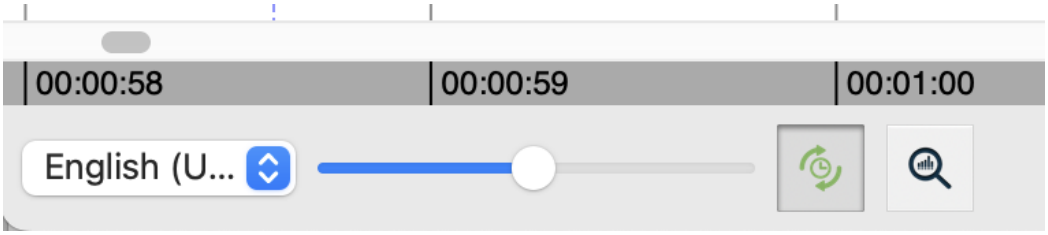


Setting up IAC MIDI in VoiceQ Pro

1. Launch VoiceQ and select 'VoiceQ>Preferences>Global>DAW...' from VoiceQ's main menu.
2. Enable Output MMC Port and select the IAC Driver by name. In this example, it is ‘VoiceQ IAC/MTC'.
3. Then in the MIDI settings, select 'Song Position Pointer (SPP).'



4. Next, select the 'Chase external timecode (Command+j)' to connect the applications in SYNC.



Running the applications in SYNC

The following options will work when synchronizing between VoiceQ Pro and Logic Pro.

- Playback
- Stop
- Record (from Logic only)
- Selection
- Scrubbing

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1. Select a new track in Logic and then activate recording mode.

2. In VoiceQ Pro, select the line you wish to record and ensure the 'Chase external timecode' mode is online.
3. In Logic Pro, initiate record - If a Pre-roll is set, it will follow what is set in Logic in the VoiceQ media window.

Dual Machine Setup using Network (RTC-MIDI)

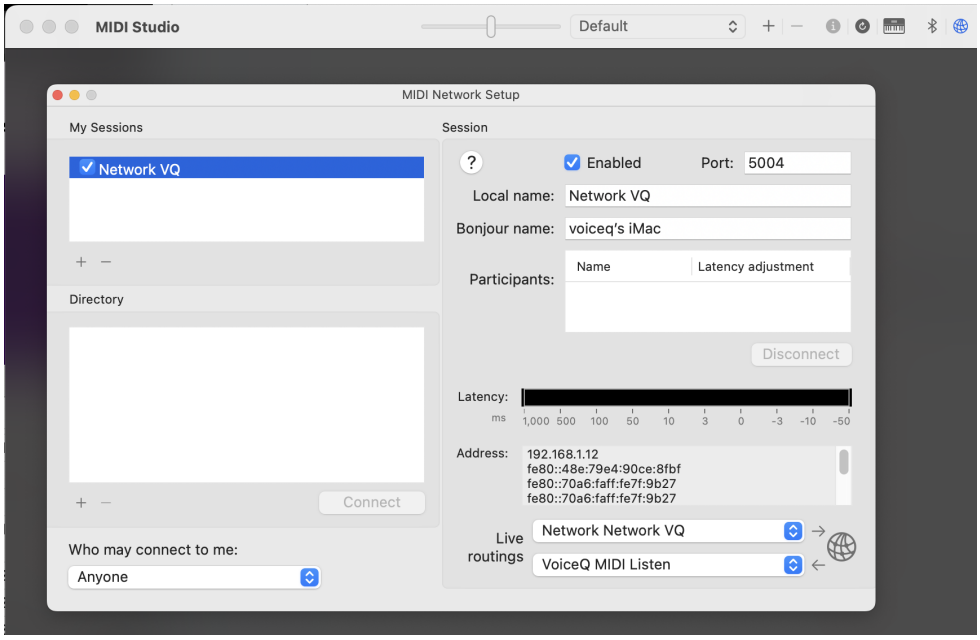
The Dual Computer Configuration is when Logic Pro and VoiceQ are on separate computers with MIDI information sent via the Local Area Network (LAN).

With a Dual Computer Configuration, we can use Apple's MIDI network feature to send MIDI via the Local Area Network. This setup does not require any additional MIDI hardware. First, configure your LAN (if required), so the two machines can communicate and 'see' each other on the local network.

Contact your Systems Administrator for assistance if required.

On the computer running Logic Pro

1. Open MIDI Studio. It is located in Applications/Utilities/Audio MIDI Setup.app. Launch this app and select Window>Show MIDI Window (Command+2) from the menu to open it.
2. Select Network. Double-click it to open the MIDI Network Setup window.
3. Add a session by selecting the '+' button under My Sessions. Enable the session by clicking the Enabled check box under Session and name it. We are using the default name 'Session 1' in this example.
4. Select 'Anyone' from the drop-down list under the 'Who may connect to me' section.
5. Select this Network Session from the first drop-down list under the 'Live routings' section.

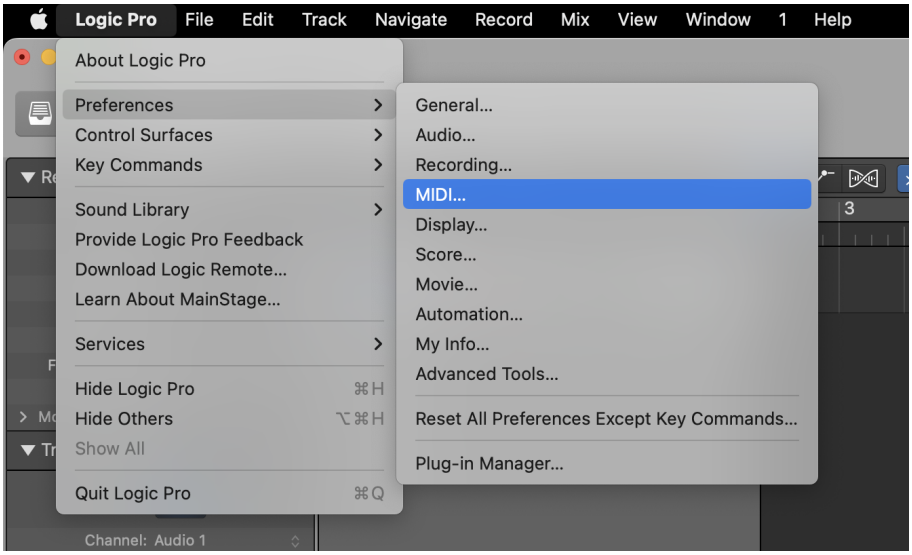


On the computer running VoiceQ

1. Open MIDI Studio. It is located in Applications/Utilities/Audio MIDI Setup.app. Launch this app and select Window>Show MIDI Window (Command + 2) from the menu to open it.
2. Select Network. Double-click it to open the MIDI Network Setup window.
3. Add a session by selecting the '+' button under My Sessions. Enable the session by clicking the Enabled check box under Session. You must give the same name and port used in Step 3. Again, we use the default name 'Session 1' in this example.
4. Now, you can see the Mac that runs Logic Pro from the Directory list. In our example, its name is Yosemite iMac. Select the Mac running Logic Pro from the list. Connect to it by clicking the 'Connect' button.

On the computer running Logic Pro

1. Launch the **Logic Pro application** and select Logic Pro>Preferences>MIDI from the menu.



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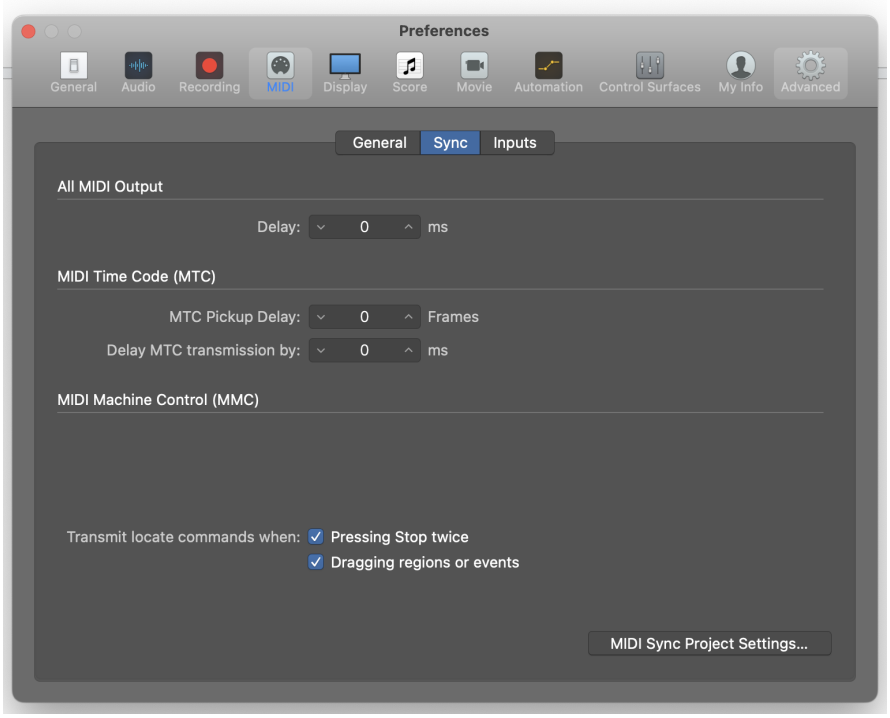

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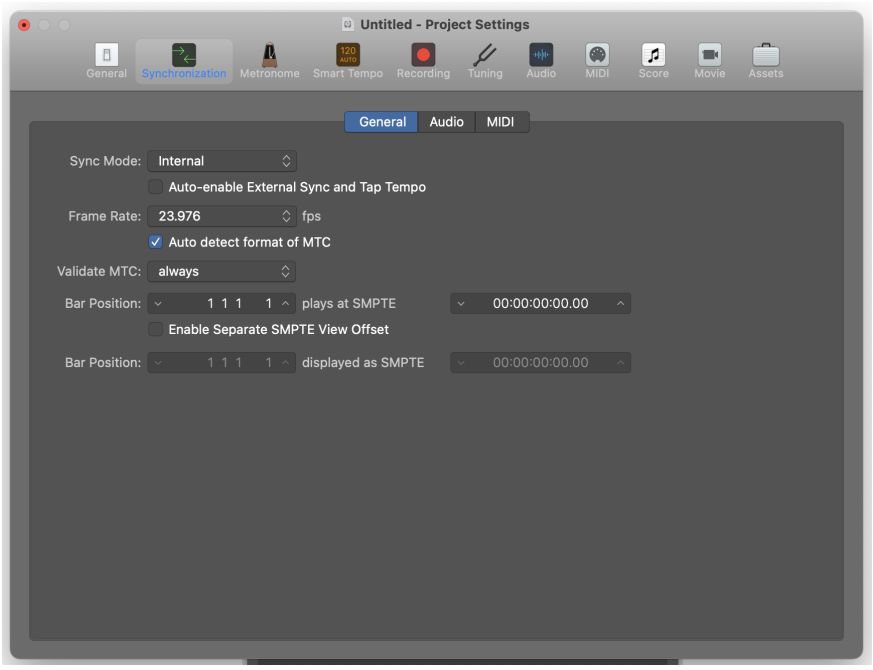

4. Select the MIDI tab and the Network MIDI port as the destination. Select the clock, MTC and MMC checkboxes. Then select the 'Transmit MIDI Machine

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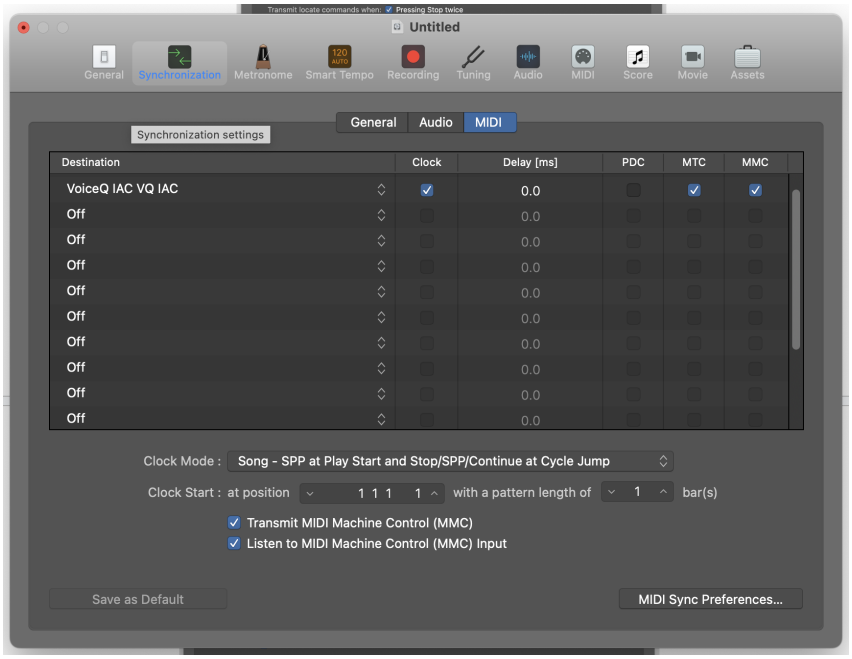
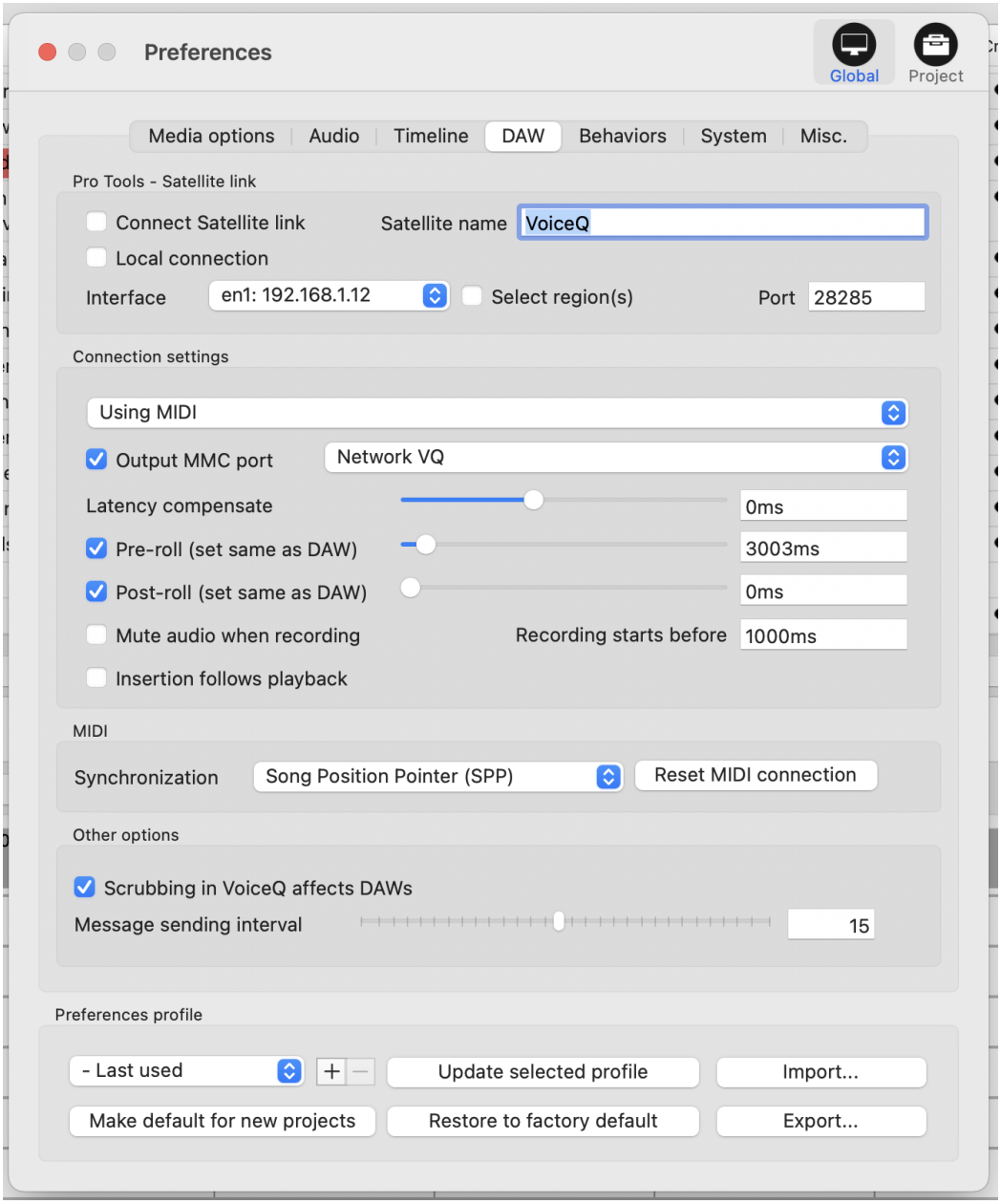


Setting up Network MIDI in VoiceQ Pro

5. Launch VoiceQ and select 'VoiceQ>Preferences>Global>DAW...' from VoiceQ's main menu.

6. Enable Output MMC Port and select the Network Driver by name. In this example, it is ‘VoiceQ IAC/MTC'.

7. Then, in the MIDI settings, select 'Song Position Pointer (SPP).'



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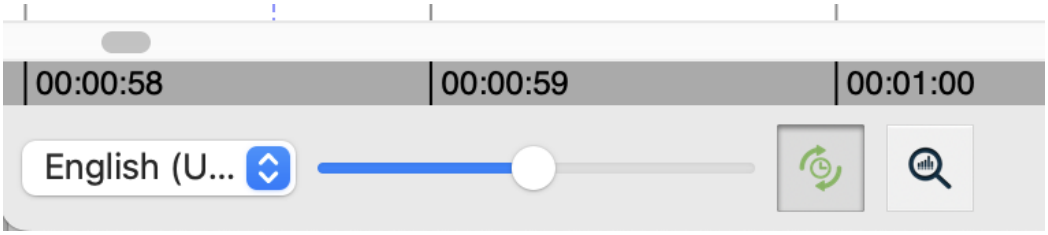

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For specific information on Logic Pro, please visit Apple's Support section: click here to view. It provides an extensive library of information, including; a User Guide, Video Tutorials and a Forum.