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Does Liquid Notes work with MuLab?

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This article talks about compatibility of Liquid Notes and MuLab, and provides information on routing settings in MuLab to connect it to Liquid Notes.

Quick Answer: Liquid Notes connects to any DAW or notation software such as MuLab. It does so via a virtual MIDI cable that is used for establishing the connection between both applications.

Connecting Liquid Notes to MuLab

The standalone version of Liquid Notes is able to connect to any sequencer or notation software on the system level. A virtual MIDI cable is used to establish the connection between the applications, with routing for most major sequencers being established automatically when opening a project and selecting the sound output source.

At present this wizard does not contain any auto-routing for MuLab, thus when opening a project in Liquid Notes select *Other* as your sound output source.

Find instructions below on how to complete the routing setup.

Routing instructions for MuLab in Mac OS X

Please follow these steps to complete the routing setup for Liquid Notes in MuLab:

1. Set up an IAC-Bus.

On your Mac, go to: *Applications* → *Utilities* → *Audio MIDI Setup*. This opens the Mac utility *Audio MIDI Setup*.

From the menu *Window* select *Show MIDI Window*.

Double-click on *IAC driver*. For the routing to MuLab at least one bus should be created. If your project in Liquid Notes exceeds 16 channels, set up additional IAC busses.

Activate *Device is online*.

2. In MuLab, set up as many tracks/instruments as required.

3. In MuLab, go to *Project* → *Edit MIDI input channels*. For each input channel define a **target module**, e.g. a *Rack* (Note: In MuLab instruments are organized independently in "*Racks*").

4. Verify that all *Out Ports* and *Out Channels* in the *Routing settings* window of Liquid Notes correspond with the **routing settings** in this *Rack*.

That's it. You should now be able to play through the virtual instruments of MuLab when clicking on 'Play' in Liquid Notes, or making adjustments to chords therein.

Note: To synchronize playback between MuLab and Liquid Notes, right-click the tempo display in MuLab and select 'Choose MIDI Clock Out Module'. Then choose a MIDI output module to send the MIDI clock to.

Routing instructions for MuLab in Windows

In order to play through the virtual instruments of MuLab when using a Windows machine, make sure that the virtual MIDI cable *LoopBe 30* is installed (Note: This is normally done on installation of Liquid Notes, unless you deselected it on purpose). You can check on its existence in *System Settings > Uninstall or remove software*.

Afterwards, complete steps 2-4 above and you're all set.

Note: To synchronize playback between MuLab and Liquid Notes, right-click the tempo display in MuLab and select 'Choose MIDI Clock Out Module'. Then choose a MIDI output module to send the MIDI clock to.

Related articles:

[Setting up the IAC bus on a Mac](#)

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