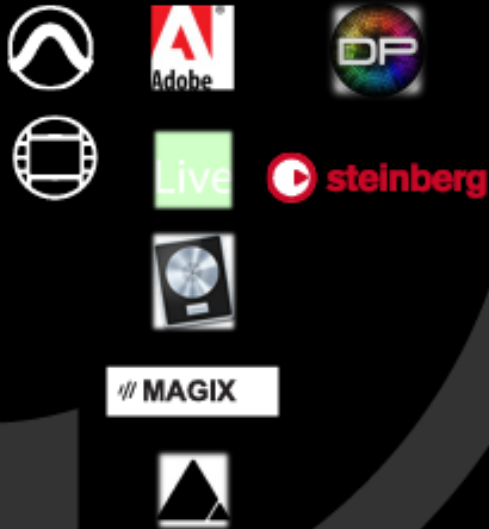




EUCON Application Setup Guide

for Avid and
Avid Development Partner
Applications



Contents

Contents	2
Introduction	3
How to Use this Guide	3
Videos	3
Using Avid Media Controllers with EUCON Development Partner Applications	3
Avid Media Controllers Overview	4
Support Resources	4
Using Multiple Avid Media Controllers	5
Example Pro Mixing Configurations	5
Example EuControl Configurations	5
Avid Pro Tools	8
Native Apple Silicon Macs	8
Rosetta	8
Avid Media Composer	10
Controller Mappings	10
DADman for Avid MTRX Interfaces	11
Take remote control of sources and monitoring with EUCON	11
Ableton Live	12
Setting Up EUCON for MackieControl	12
Configuring Ableton Live for MackieControl	13
Adobe Audition and Premier	16
Apple Logic Pro	17
Optimizing the Wheel	17
Magix Samplitude Pro and Sequoia Setup	18
Merging Technologies Pyramix and OvationSetup	19
Mark of the Unicorn Digital Performer	20
Steinberg Nuendo and Cubase	21
EuCon Device Setup	22
Mackie Control	24

Introduction

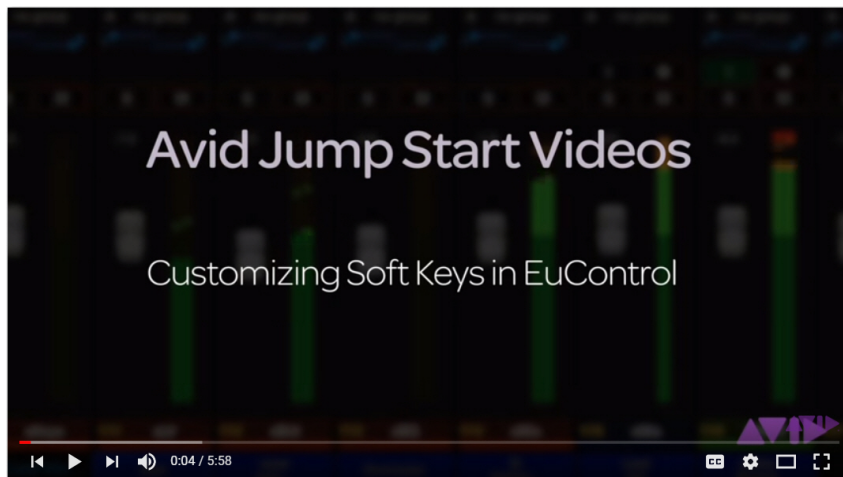
This guide shows you how to set up EUCON WControl software for Avid S4 and S6, and EuControl software to use the Avid S1, S3, Dock, Control app, and Artist Series controllers with applications from Avid and many of our EUCON Development Partners.

How to Use this Guide

1. Activate your Avid product, download and install WControl and/or EuControl software and connect your Avid media controller by following the instructions in the guide for your controller (such as the Avid S4/S6 Guide, or Avid Control Guide).
 - Download the latest version of EUCON software from your Avid Account (EuControl Software for S1, S3, Dock, and the Control app, or MasterModule Software for S4/S6).
 - EUCON software becomes available in your account after you activate your purchase.
 - Avid control surface guides are available for download from the [EuControl Product Guides](#) article on our Knowledge Base.
2. Follow the links, below, for the application you want to control, then follow the corresponding instructions to configure EUCON communication.

Videos

Check out the [EUCON in Focus](#), [Avid S1](#), and other videos on YouTube for tutorials, tips and tricks on activation, setup, Layouts, Soft Keys, and more.



Using Avid Media Controllers with EUCON Development Partner Applications

For S1, S3, Dock, and Control app operational examples and workflows, see the *Using EuControl Surfaces guide*. The Pro Tools instructions in this guide are applicable to many other EUCON applications due to the universally applicable commands in the EUCON communication protocol. For Avid S4 or S6, see the *Avid S4/S6 Guide*.

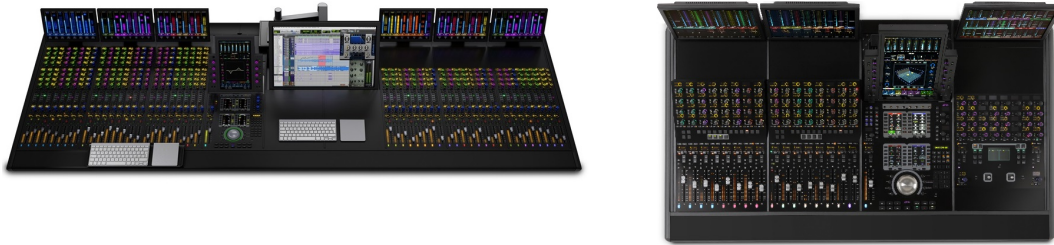
For information specific to EUCON Development Partner applications (such as Adobe Premiere Pro and Audition, Apple Logic Pro X and Steinberg Cubase/Nuendo) see the documentation provided by the manufacturer. Always check with the manufacturer of your specific application for the most recent software, requirements, and instructions.

Also, just because an application is not listed in this guide does not necessarily mean it is incompatible with EUCON. Check with the manufacturer.

For links to EUCON Development Partner sites, visit [EUCON Application Setup](#) on our Knowledge Base.

Avid Media Controllers Overview

Avid Pro Mixing devices include the Avid S6 (left) and Avid S4 (right).



EuControl devices include the Avid Control app for iOS and Android, Avid Control Desktop for macOS and Windows, Dock, S1, and S3.



Avid Control app



Avid Dock



Avid S1



Avid S3

Legacy EuControl devices include the Artist series controllers (Artist Control, Mix, Transport and Color).



Artist Control



Artist Mix



Artist Transport



Artist Color

Though no longer manufactured, legacy EuControl devices remain compatible with current EuControl software (not all features are supported).

Support Resources

- [Avid S6 Support](#)
- [Avid S4 Support](#)
- [Avid Control Support](#)
- [Avid S1 Support](#)
- [Avid Dock Support](#)
- [Avid S3 Support](#)
- [Artist Series and EuControl Compatibility](#)

Using Multiple Avid Media Controllers

Avid media controllers can be combined to form larger, unified systems.

Example Pro Mixing Configurations

Avid S6 M40 48-9D with 1x Control app



Avid S4 4_16 with 1x Control app



Example EuControl Configurations

1x Control app



1x Dock + 1x Control app



1x S1 + 1x Control app



2x S1s + Dock + 3x Control apps



Up to 4x S1s with up to 4x Control apps + 1x Dock/Control app



1x Control app + 1x Dock + S3



1x Control app + 1x Artist Transport + 1x S3



Avid Pro Tools



Pro Tools® Intro, Artist, Studio, and Ultimate are fully EUCON-aware. Before you begin, make sure you have activated your product, downloaded and installed EuControl software and connected your Avid media controller by following the instructions in the guide for your controller (such as the Avid S1 Guide.pdf).

- When running Pro Tools 2022.12 or later natively on Apple Silicon Macs, the Ethernet Controllers tab in Pro Tools Setup > Peripherals is no longer provided. Instead, use the EUCON controls in the Edit window Toolbar to toggle EUCON on or off, and to see status).
- When running Pro Tools 2022.12 or later under Rosetta on Apple Silicon Macs (and all Windows systems) use the Ethernet Controllers tab as previously available to enable EUCON (in addition to the Edit window Toolbar controls for EUCON introduced in Pro Tools 2022.12).

Native Apple Silicon Macs

To show EUCON controls in the Edit window:

1. Click the Edit Window Toolbar menu (in the upper-right corner of the window), or Right-click in the Toolbar.
2. From the menu, select EUCON. EUCON controls are shown in the Tool bar.

To turn EUCON on or off:

1. Click the EUCON button. EUCON is enabled when the background is lit green with black text.
2. The Status LED indicates EUCON communication status (you can also hover over the LED to view a Tool Tip, if enabled in Pro Tools Preferences).

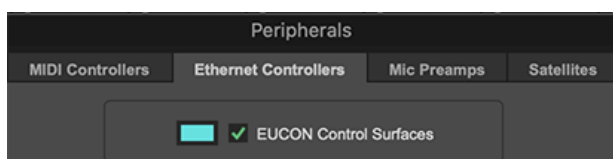


EUCON controls in the Toolbar

Rosetta

To enable EUCON in Pro Tools:

1. Launch Pro Tools, choose **Setup > Peripherals**, and click to go to Ethernet Controllers tab.
2. Click to select EUCON Control Surfaces.
3. Click **OK**.

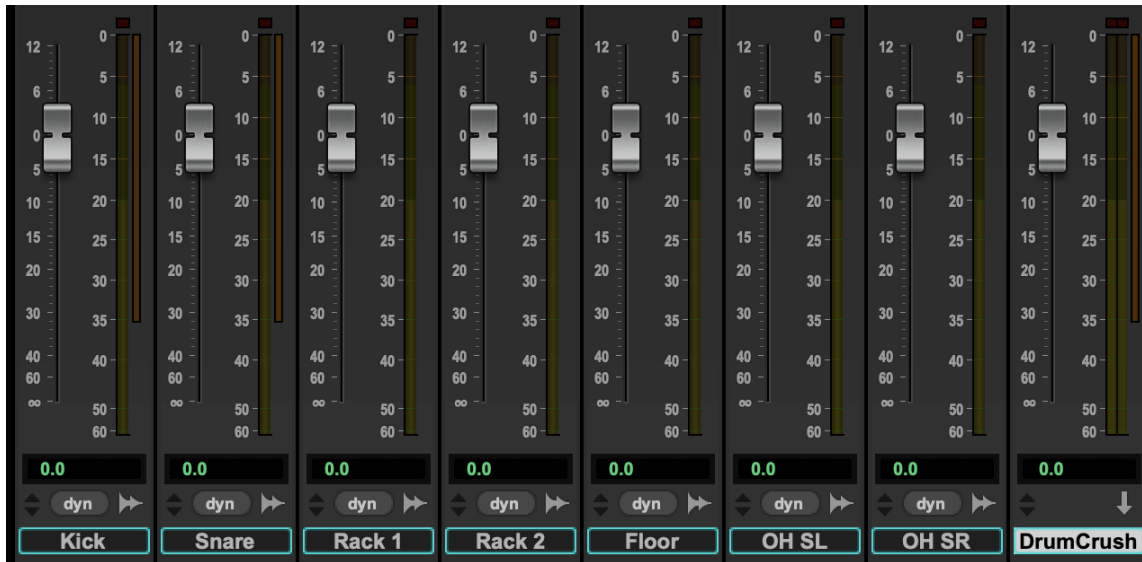


EUCON controls in Peripherals

Pro Tools scans your system to identify attached EUCON-compatible devices. When scanning is complete, your controllers are ready to use with Pro Tools.

To confirm installation and communication:

- Open a session if one is not already open and verify the Mix window displays a blue-green border around the names of Pro Tools tracks that are currently banked to your controller.



For more information on compatibility and operation, see the [Using EuControl Surfaces.pdf](#).

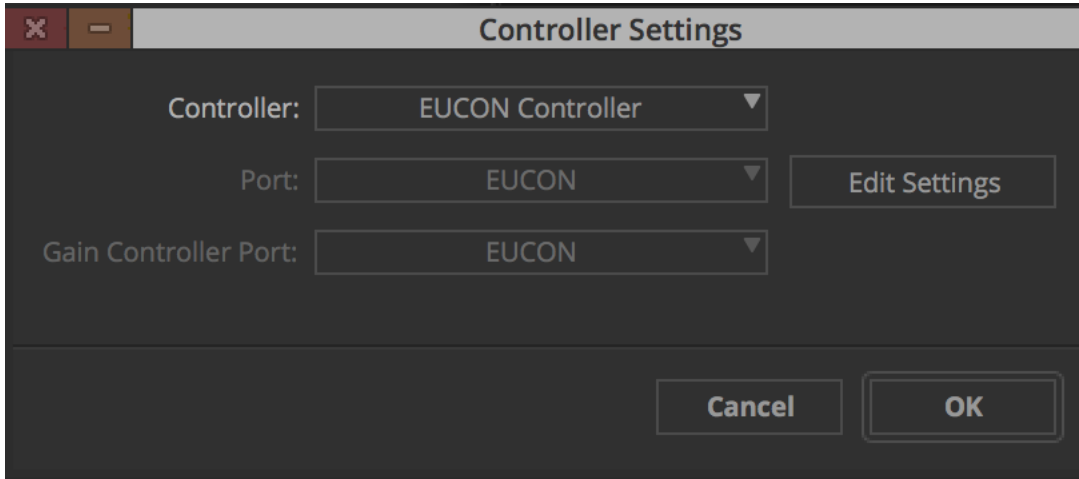
Avid Media Composer



The Controller Settings dialog lets you configure your Avid editing application to communicate with Avid media controllers. The following section shows how to enable EUCON in Media Composer and provides a few example tasks. For additional examples, see the EUCON sections of Media Composer Help.

To configure your Avid editing application for an Avid media controller:

1. Make sure you have installed EuControl and successfully connected your controllers.
2. Choose File > Settings, then select the User tab in the Settings window.
3. Double-click **Controller Settings** in the Settings list. The Controller Settings dialog appears.



4. Select **Controller** > **EUCON Controller**.
5. Click **OK**.

Controller Mappings

When EuControl Settings opens for the first time, it includes a set of default Avid editing functions mapped to the Avid media controller buttons (the default mappings are called the Application Set or “appset”).

The Soft Keys tab lets you edit and customize Surface, Wheel, and Touchscreen soft key assignments. With controllers that include a Touchscreen, you can access the Surface soft keys with the circular buttons below the Touchscreen (such on the Dock or Avid Control).

You can use your Avid media controller to perform some of the basic editing functions available in your Avid editing application. These functions let you edit and trim clips in your sequences using the controller rather than the buttons and tools in Media Composer. For example, you can use the Dock’s Jog wheel to navigate to a transition in the Timeline, use the Soft Key functions to activate Trim mode, and then perform a single- or dual-roller trim.

Some editing commands only apply to specific windows in your Avid editing application. You might need to click the appropriate window — for example, the Timeline — before you can perform a specific function.

Some editing functions are mapped to your controller by default. If you want to access other editing functions, you can customize the controls by mapping other functions to the soft keys or Touchscreen on your controller.

For operational information and examples, see the EUCON sections available in Media Composer Help.

DADman for Avid MTRX Interfaces

Take remote control of sources and monitoring with EUCON

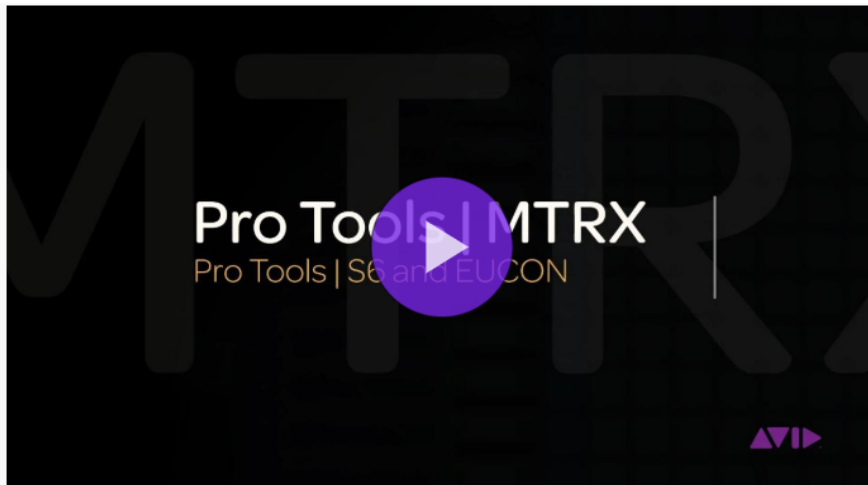


With the included DADman software, you can remotely control up to 48 mic pres and all monitoring directly from Pro Tools | Ultimate, Avid S4, Avid S6, and other EUCON-enabled control surfaces. Pro Tools | MTRX, MTRX Studio, and MTRX II also include sophisticated software that puts complete monitoring, talkback, summing, and fold-down control at your fingertips, whether you're mixing in stereo, surround, or Dolby Atmos immersive audio.

To configure your MTRX for EUCON and an Avid media controller:

1. Make sure you have installed EuControl and successfully connected your controllers.
2. Refer to the following articles on our Knowledge Base:
 - [Pro Tools MTRX Support](#)
 - [Creating a New Profile for Pro Tools MTRX](#)
 - [Avid Dock Monitoring with Pro Tools MTRX](#)

To see MTRX in action watch the videos available here:



Pro Tools | MTRX – Pro Tools | S6 and EUCON



Ableton Live



Avid media controllers use EUCON-to-Mackie Control conversion software along with a special EuCon MIDI Driver to communicate with Ableton® Live™ using internal MIDI ports. To control Live with your Avid media controller you must first configure EuControl for MackieControl, then configure corresponding settings within Live.

Before proceeding, make sure you have activated your product, downloaded and installed EuControl software and connected your Avid media controller by following the instructions in the guide for your controller (such as the Avid S1 Guide).

Setting Up EUCON for MackieControl

To add an application to EUCON Preferences:

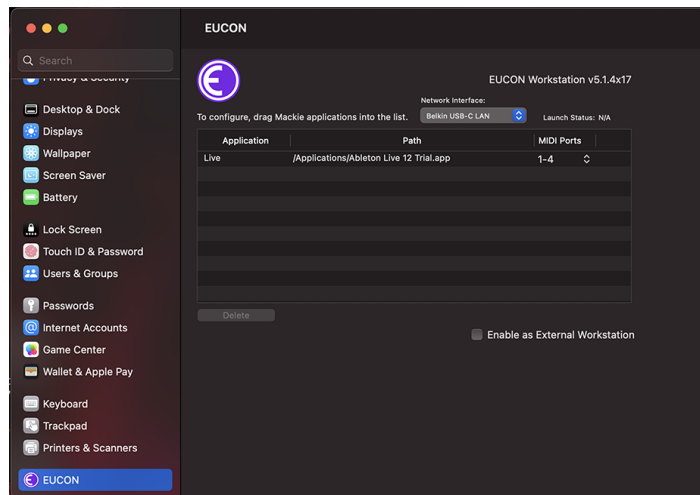
1. Open System Preferences (Mac) or Control Panel (Windows) and do the following:
 - **Mac** Double-click the EUCON icon in the Other section at the bottom of the window.
 - **Windows** Click the EUCON icon. (In Windows 10 you might need to first go to the View By selector and choose Large Icons.)

The EUCON preference pane opens.

2. Do the following as appropriate for your DAW platform:

Mac:

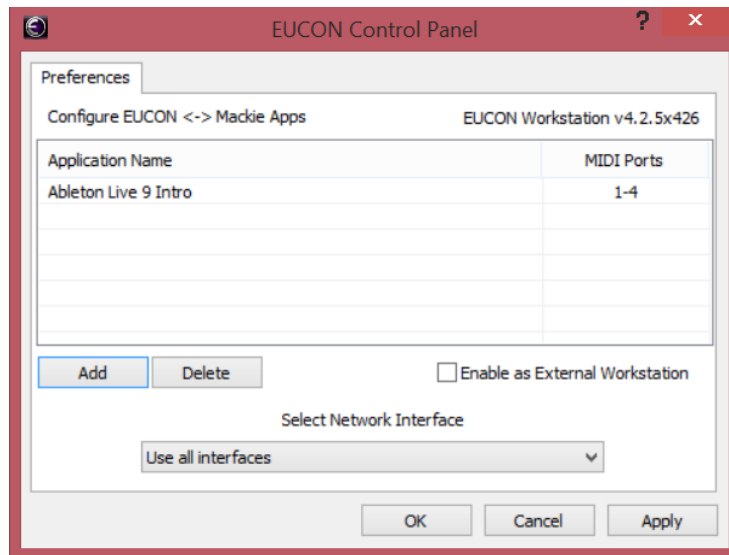
- Locate the Live application in the Finder (macOS) or Explorer (Windows), then drag and drop the Live application icon into the middle of the EUCON Preferences pane.
- Make sure the appropriate Network Interface is selected.
- MackieControl is automatically chosen as the protocol (though no longer shown as it was in previous versions of EuControl).



Windows:

- Choose **Start > Control Panel**, open EUCON preferences and then click **Add**.
- Navigate to your application (such as Ableton Live) and select it.
- MackieControl is automatically chosen as the protocol (though no longer shown as it was in

previous versions of EuControl).



Example EUCON Preferences with Ableton Live

The selected application appears in the EUCON preferences list, with four MIDI Ports (1–4). One MIDI port is required per 8 physical faders.

3. Click **OK** to close the EUCON Control Panel.
4. Close the EUCON Preference pane and reboot your computer if prompted to do so.

 *More than one application can be controlled using MackieControl by dragging multiple application icons into the EUCON Preference pane. Make sure each application has its own unique set of MIDI ports (repeat step 2, above, to add other applications and add an additional set of MIDI Ports 5–8).*

Configuring Ableton Live for MackieControl

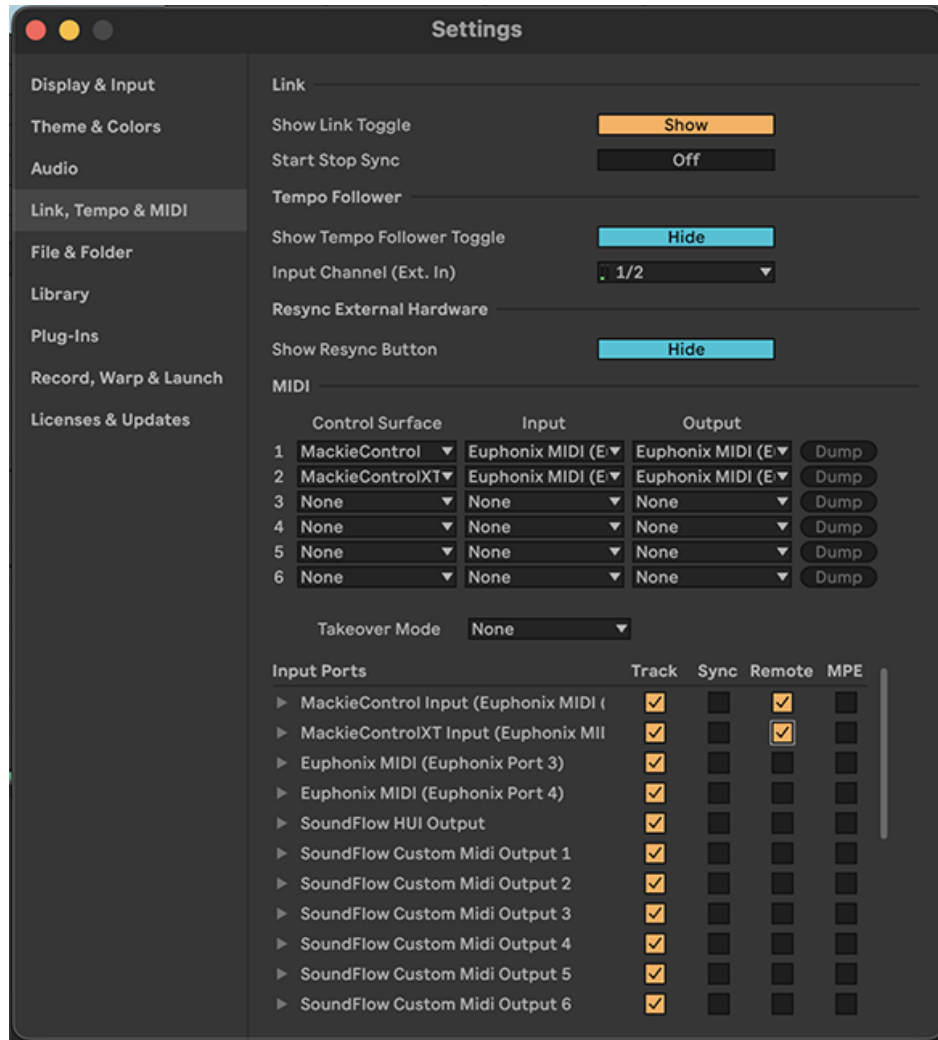
When setting up an application to be controlled by Mackie Control, use the MIDI ports of the EuCon MIDI Driver specified in the EUCON Preference pane (such as 1–4). Each port supports up to 8 faders, such as found on a single Avid S1. S3 (16 faders) requires two ports. Four S1s or Artist Mix units require all 4 ports.

Before proceeding, you must already have completed the steps described in ["Setting Up EUCON for MackieControl" on the previous page.](#)

To configure Ableton Live for MackieControl:

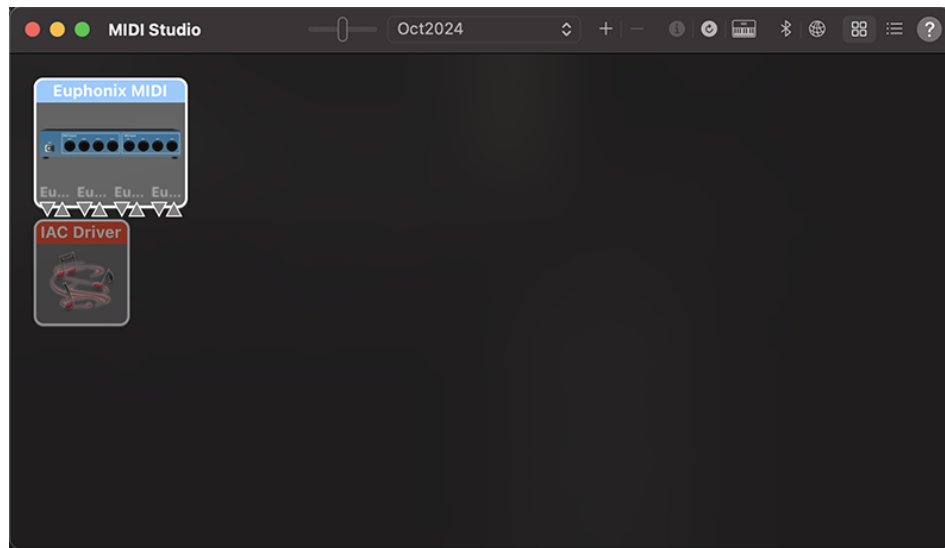
1. Choose **Live > Settings**.
2. In the Preferences dialog, click the **Link, Tempo & MIDI** tab, then do the following:
 - a. In the MIDI section, click the Control Surface column and choose "Mackie Control."
 - b. From the Input and Output columns, select "Euphonix EuMidi1."These MIDI ports (In 1/Out 1) carry communication to and from faders 1–8.
3. If your system includes more than 8 faders, do the following:
 - a. In the next available row in the MIDI section, click the Control Surface column and choose "Mackie ControlXT."
 - b. From the Input and Output columns, select "Euphonix EuMidi2."
 - c. Repeat for each additional Avid media controller, selecting MackieControlXT and the next available Euphonix EuMidi Input and Output ports for each (such as EuMidi3).
4. In the lower Output Ports section, do the following for each MackieControl / Euphonix MIDI row:

- a. Make sure both **Track** and **Remote** are enabled.
- b. Make sure to deselect the **Sync** column for **Euphonix MIDI Ports**.



Example configuration for a 16-fader system

5. Close the Preferences dialog.
6. Your Avid media controller should now be controlling Live. If not, do the following:
 - Make sure Live is the front-most application (the one receiving keystrokes and mouse clicks).
 - Ensure all steps in this section have been set correctly, and reboot your computer.
 - (Mac only) Make sure the Euphonix MIDI device in **Applications > Utilities > Audio MIDI Setup** is blue (active) and not gray (inactive).



Euphonix MIDI device in AMS

If inactive, click the Rescan button. If the Euphonix MIDI device is still inactive, choose **MIDI Studio > MIDI Configuration > New Configuration**.

For more information check the Ableton web site: www.ableton.com.

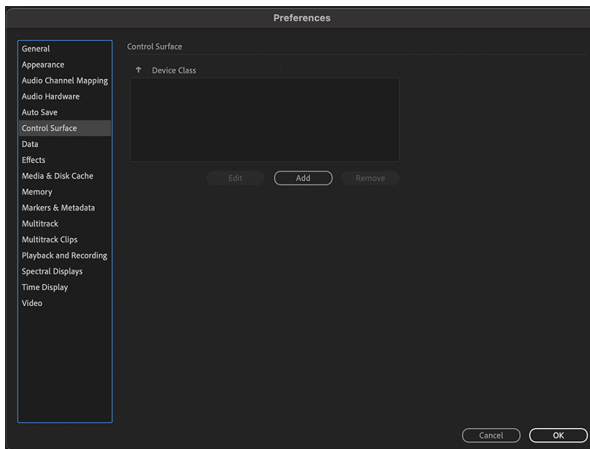
Adobe Audition and Premier

Avid media controllers use EUCON to communicate with Adobe applications including Audition and Premiere.

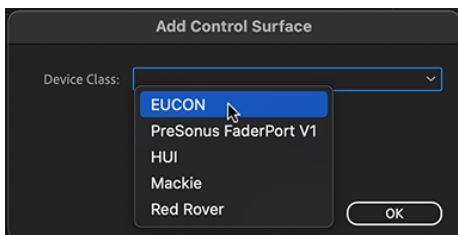


To configure Adobe Audition or Premiere for EUCON:

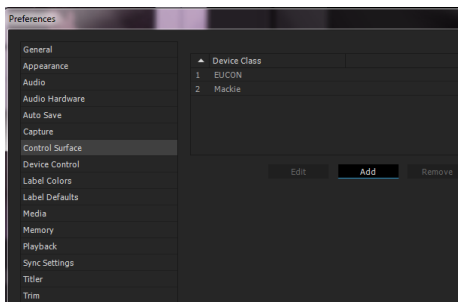
1. Launch Adobe Audition or Premiere.
2. Choose **Adobe Audition (or Adobe Premiere) > Preferences > Control Surface**.



3. Click Add (below the Device Class list).
4. Choose EUCON from the Device Class menu.



5. Click **OK**. EUCON is shown in the Device Class list.



6. Click **OK** to close Preferences.

For more information visit [Adobe Support](#).

Apple Logic Pro

Logic Pro X from Apple works with your Avid media controller with very little additional setup.

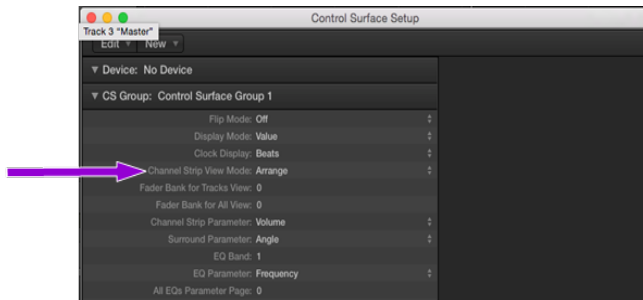


Logic Pro X

Always check with the manufacturer of your specific application for the most recent software, requirements, and instructions.

To make sure your controller works correctly with Logic Pro X:

1. In Logic Pro, choose **Logic Pro X > Control Surfaces > Setup**. The Logic Control Surface Setup window appears.
2. In Control Surface Group 1, locate **Channel Strip View Mode** and set this parameter to Arrange.



Optimizing the Wheel

Wheel modes and touch strip sensitivity can be optimized in Logic Pro X. By default, the wheel and touchstrip resolution can be too fast when scrolling and zooming horizontally and vertically, and be limited to a resolution of one bar (measure) when jogging or shuttling.

To optimize wheel resolution in Logic Pro X:

1. In Logic, choose **Logic Pro X > Control Surfaces > Preferences**.
2. Click **Advanced** (gear icon at top of Preferences).
3. Enable **Control Surfaces** then click on **Control Surfaces** (fader icon at top of Preferences).
4. Click to enable **Jog resolution depends on horizontal zoom**.

For more information see the [Logic Pro X and Control Surfaces](#) pages on the Apple web site.

Magix Samplitude Pro and Sequoia Setup

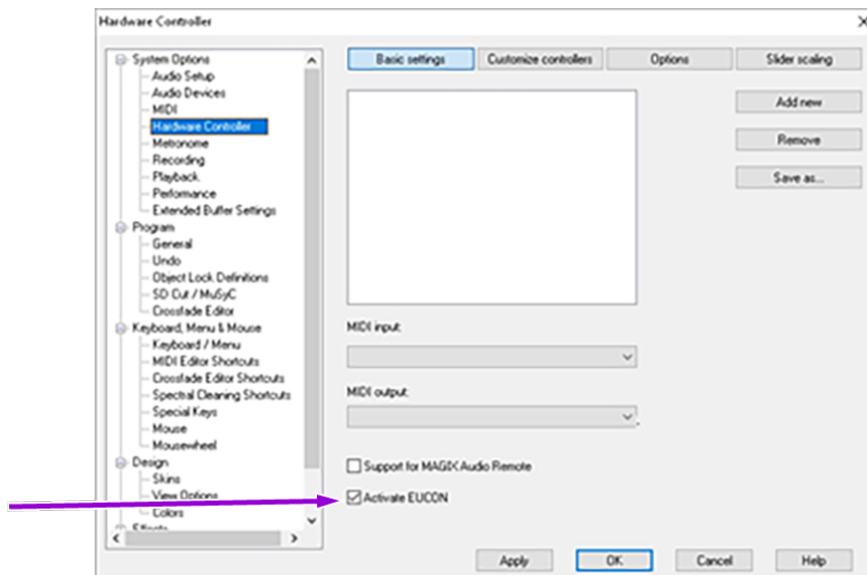
You can use Avid media controllers with Samplitude Pro X (version 12.0 or higher) and Sequoia (version 14 or higher) from Magix. Steps to enable EUCON are the same in both applications.



Always check with the manufacturer of your specific application for the most recent software, requirements, and instructions.

To setup and configure EUCON for Samplitude:

1. Launch Samplitude and open or create a new project.
2. Choose **Options > System (Y)**.
3. Under System Options, click **Hardware Controller**.
4. In the EUCON section, click to enable **Activate EuCon**, then click **OK**.



For more information visit the Magix web site: <http://www.magix.com>.

Merging Technologies Pyramix and OvationSetup

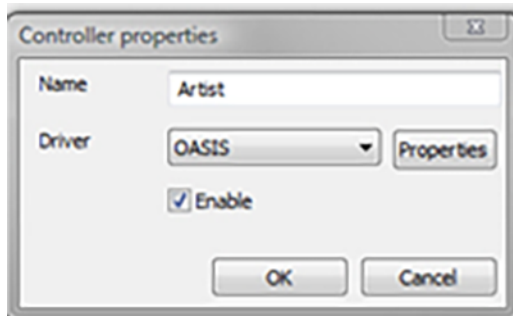
You can use Avid media controllers with Pyramix (version 7.0.9 SP1 or higher) from Merging Technologies, as well as Ovation Premium.



 *Demo versions of Pyramix (any version) do not support EUCON.*

To enable Pyramix to work with Artist media controllers:

1. Be sure you have the required version and authorization keys of Pyramix software.
2. Choose **Settings > All Settings**, then find the **Remote Control** folder (near the bottom of the list).
3. Click **Controller**. The window is blank the first time you configure it.
4. Click **Add**. The Controller Properties window appears.
5. Type “Artist” into the Name field.
6. Click the Driver section pop-up menu and select the “OASIS” driver.
7. Make sure the Enable box is checked.



8. Click **Properties**. The OASIS controller asks you to select a transport.
9. Click **OK**.
10. In the Transport drop-down menu, click the down arrow to select the EuCon entry.
11. Click **OK** to exit OASIS Configuration, then click **OK** in the Controller Properties dialogue box to exit.
12. In the Pyramix Settings window, click “Apply changes to Controller.”
13. Click **OK** to exit Pyramix Settings.
14. Save the current Project and exit Pyramix.
15. Restart EuControl, power cycle all Avid media controllers, then launch Pyramix.

 **If you experience loss of Transport Controls or communication issues on recent Pyramix version running RAVENNA (AoIP) it is recommended that you install the Apple Bonjour Printing services v.2. Refer to the Known issue here for more details.**
<https://confluence.merging.com/pages/viewpage.action?pageId=73662766>

For more information visit the support area of the Merging Technologies web site:
<http://www.merging.com/support>.

Mark of the Unicorn Digital Performer

You can use Avid media controllers with Digital Performer (version 6.0.1 and higher) from MOTU. This section shows how to enable EuControl in Digital Performer.

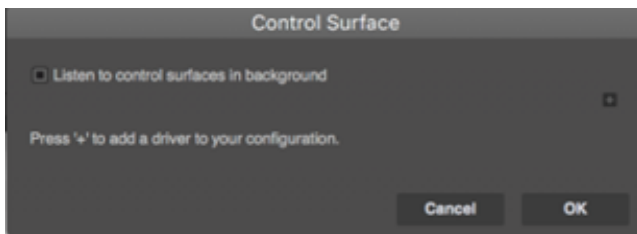


Download the latest version of Digital Performer from MOTU's web site. Digital Performer must be installed prior to installing EuControl. Always check with the manufacturer for the most recent software, requirements, and instructions.

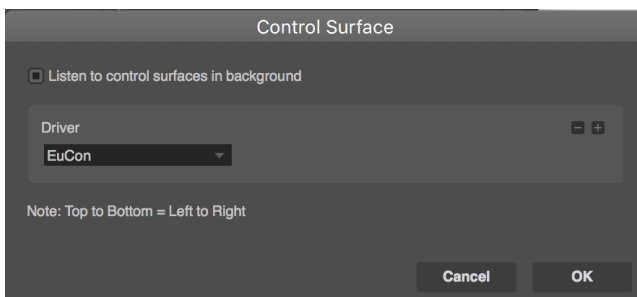
For Digital Performer to communicate with Avid media controllers, the EUCON driver must be added in the Control Surface dialog.

To enable EuControl in Digital Performer:

1. Open Digital Performer.
2. Choose **Setup > Control Surface Setup**. The Control Surface dialog opens.



3. Click the + button (add) on the right. A pull-down list with Drivers appears with EUCON at the top.
4. If EuCon is not already selected, choose it from the pull-down list.



5. Click **OK**.

Your Avid media controller now controls Digital Performer.

Reminder: A single EUCON driver will communicate with all of your media controllers, so do not add more than one.

For more information visit the support area of the Mark of the Unicorn web site:
<http://motu.com/techsupport>.

Steinberg Nuendo and Cubase

Steinberg's EUCON adapter enables fully integrated control of nearly all Nuendo and Cubase functions from Avid media controllers. Configuring EUCON is identical in Nuendo and Cubase.



Always check with the manufacturer of your application for the most recent software, requirements, and instructions.

Nuendo 7 / Cubase 8 and higher automatically install the Steinberg EUCON adapter.

If you are using older versions of Nuendo or Cubase, you must install the EUCON adapter from Steinberg. In order to download the adapter, you must first have registered your copy of Nuendo and / or Cubase.

To install the EUCON adapter for Nuendo:

1. Create a user account in the MySteinberg area of the Steinberg web site if you have not already done so. If you already have a MySteinberg account and have already registered your version of Nuendo, continue with Step 2. To activate an account and register Nuendo, follow the on-screen instructions.
2. Log into your MySteinberg account if you have not already. Click on Activation & Reactivation, choose Euphonix Artist Series EuCon Adapter and select Permanent Activation.
3. Enter your Artist media controller's serial number. You will receive an email containing the activation code.
4. Launch the License Control Center (LCC) Software from the Applications folder, choose Wizards > License Download, enter your activation code and follow the instructions.
5. For Nuendo or Cubase to communicate with the Avid media controllers, their EUCON device must be added in the Device Setup.

To add the EUCON adapter to Device Setup:

1. Open Nuendo or Cubase.
2. Choose **Devices > Device Setup**. The Device Setup dialog opens.
3. Click the + button (add) on the top-left. A pop-up list of devices appears with EuCon near the top of the list.
4. Select EuCon from the list.

The EuCon device is added, the control surface immediately updates, the faders and knobs display track functions, and the EuCon Device Setup panel appears.

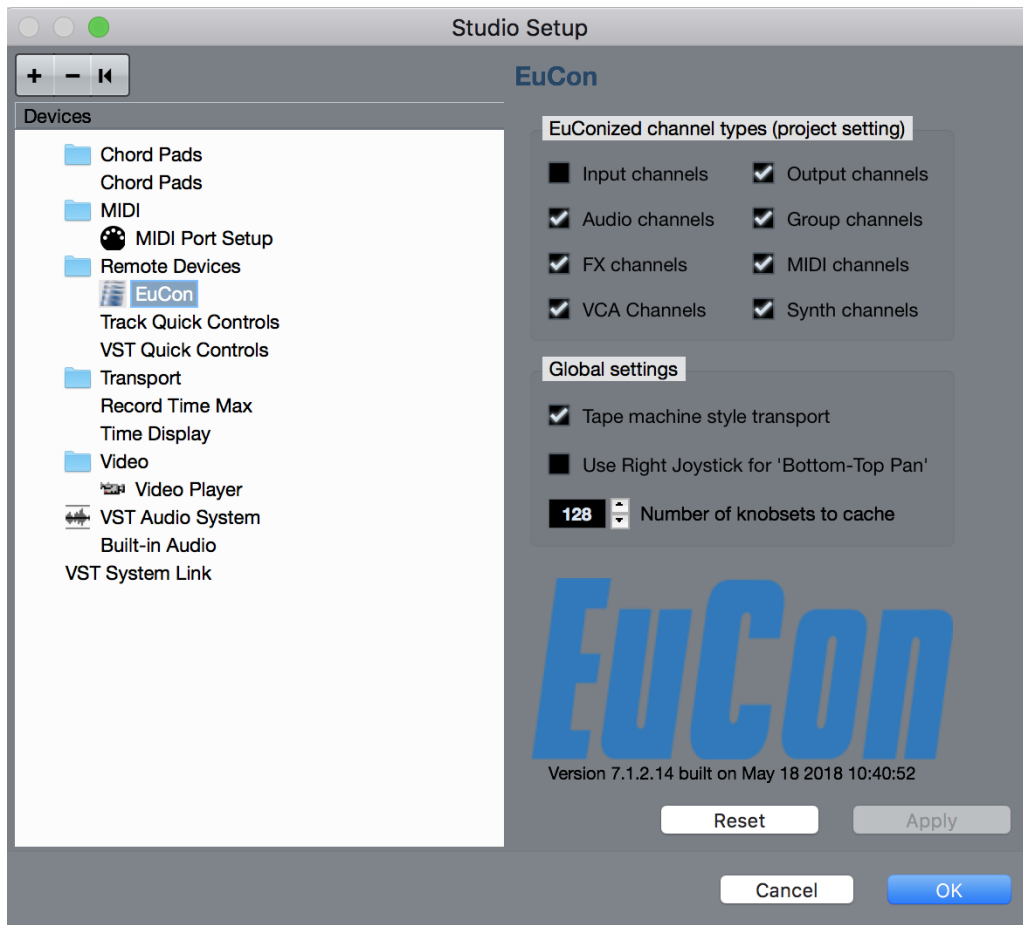
If the surface does not update and show tracks and functions, check the EUCON Preferences to see if you have enabled any other application for Mackie Control or HUI mode. If you see any applications listed in EUCON Preferences, delete them and try again.

EuCon Device Setup

The EuCon Device Setup dialog lets you edit track assignment and transport control parameters in Nuendo and Cubase.

To open EuCon Device Setup if it is not already displayed:

- In Nuendo or Cubase choose Studio > Studio Setup, then select EuCon from the Remote Devices folder in the Devices section.



EuConized Channel Types

Determine which channel types appear on your control surface. If a certain channel is available and the corresponding checkbox is selected, that channel can be selected to appear on the surface. This channel is called EuConized.

All channels except Input channels are EuConized by default and can appear on the surface. This is useful to eliminate tracks from the surface, reduce memory usage, and reduce the time needed to build the EUCON mixer model when connecting, adding, or removing tracks from the project.

To enable/disable EuConized tracks, select the checkbox next to each type. Tracks without a checkmark do not appear on the surface. This setting applies only to the open project.

Global Settings The Global Settings section has two parameters: “Tape machine style transport” and “Number of knob sets to cache.”

Tape machine style transport

These transport modes affect the operation of the Stop, Fast Forward, and Rewind buttons in the following manner.

When Tape machine style transport is checked:

- Stop
The control surface STOP button halts the transport and keeps the play head at the current position (even multiple presses), independent from Nuendo's preferences.
- Fast Forward/Rewind
The FF/RW buttons always latch independently of the control surface latch time preference. Repeatedly pressing the same FF/RW button has no effect. The current action can be stopped by pressing the opposite wind button, STOP, or PLAY. The FF/RW also stops if it reaches the beginning or end of the project.

When Tape machine style transport is not checked:

- Stop
The control surface STOP button copies the Nuendo stop button.
- Fast Forward/Rewind
The FF/RW buttons function as EuCon Momentary/Latch Switches. If the button is pressed and released quickly, the switches do NOT latch but behave momentarily, resembling the way these buttons work in the Nuendo GUI. If the Avid media controller's FF/RW buttons are held down longer than the latch time set in the Preferences-Setup page, they latch.

Number of Knob Sets to Cache

Nuendo creates knob sets for EQ, Dynamic, Inserts, Aux sends and other functions. A certain number of these knob sets are kept, or cached, in RAM. For large projects on a large control surface, increasing the number of knob sets in the cache can access them faster but uses more RAM. It is rare to change this value.

For more information visit the support area of the Steinberg web site: <https://helpcenter.steinberg.EUCON-FAQ-and-troubleshooting>

Mackie Control

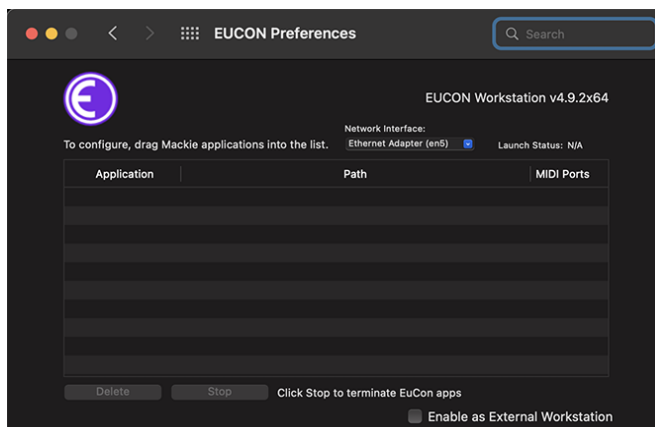
Avid media controllers use EUCON-to-Mackie Control conversion software along with a special EuCon MIDI Driver to communicate with Ableton® Live™ via internal MIDI ports. To control Live with your Avid media controller you must first configure EuControl for MackieControl, then configure corresponding settings within Live.

To add an application to EUCON Preferences:

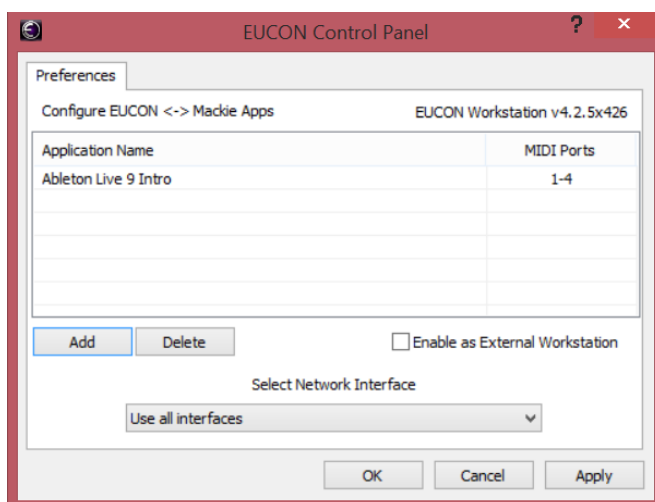
1. Open System Preferences (macOS) or Control Panel (Windows) and do the following:
 - Mac Double-click the EUCON icon in the Other section at the bottom of the window.
 - Windows Click the EUCON icon. (In Windows 10 you might need to first go to the View By selector and choose Large Icons.)

The EUCON preference pane opens.

macOS:



Windows:



2. Do the following as appropriate for your DAW platform:

macOS:

- Locate the Live application in the Finder (macOS) or Explorer (Windows), then drag and drop the Live application icon into the middle of the EUCON Preferences pane.
- MackieControl is automatically chosen as the protocol (though no longer shown as it was in previous versions of EuControl).

Windows:

- Choose **Start > Control Panel**, open EUCON preferences and then click Add.
- Navigate to your application (such as Ableton Live) and select it.
- MackieControl is automatically chosen as the protocol (though no longer shown as it was in previous versions of EuControl).

The selected application appears in the EUCON preferences list, with four MIDI Ports (1–4). One MIDI port is required per 8 physical faders.

3. Click **OK** to close the EUCON Control Panel.

4. Close the EUCON Preference panel and reboot your computer if prompted to do so.



More than one application can be controlled using MackieControl by dragging multiple application icons into the EUCON Preference pane. Make sure each application has its own unique set of MIDI ports (repeat step 2, above, to add other applications and add an additional set of MIDI Ports 5–8).



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