Pro Tools | Control Guide
and EuControl 18.3.0
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Welcome to the Pro Tools®| Control iPad app for iOS. The Control app lets you control Pro Tools or other EUCON™-aware media applications on your workstation computer from a qualified Apple iPad and EuControl software. You can use the Control app standalone, or in combination with Avid media controllers such as Pro Tools | Dock, Pro Tools | S3, S6, and Artist Series devices.

Control App
The Control app features four primary screens (Mixer, Tracks, Channel, and Soft Keys), letting you control a variety of your media application’s parameters such as channel levels, solo, mute, transport controls, inserts, panning, and automation modes.

EuControl Software
EuControl links your workstation computer to the Control app and other Avid media controllers via the EUCON protocol. You can also use the EuControl software to customize the Soft Keys on the Control app and other Avid media controllers. EuControl software must be installed on the workstation computer before you can use the Control app with your media application. You can also control applications on a secondary workstation computer by installing EUCON Workstation software on that workstation.

What’s Included
• Control app (installed on a qualified iPad; iPad not included)
• EuControl software (available for download from your Avid account and then installed on a qualified Mac or Windows workstation computer)

Additional Required Equipment
• A wireless router (routers supporting 802.11n at 5 GHz are recommended), for connection via Wi-Fi—or-
• Apple Lightning to USB 3 Camera Adapter + USB 2 Ethernet adapter connected to iPad running iOS 9.3.x or later. A Lightning cable connected to a power source such as the USB port on the Dock is required to power the Camera Adapter. For more information, visit www.apple.com.

System Requirements and Compatibility
One qualified iPad with the Control app installed can be used with a single instance of EuControl to control one EUCON-aware media application at a time. The Control app can be used standalone, or in conjunction with the following Avid media controllers:
• One Pro Tools | Dock
• One S3 control surface and/or one Artist Transport
• One Artist Control
• Up to four Artist Mix controllers
• One S6
• One Artist Color

⚠️ Pro Tools | Dock is not supported in combination with Artist Control nor Artist Transport.

Avid can only assure compatibility and provide support for hardware and software it has tested and approved. For a list of qualified iPads and workstation computers, as well as supported third-party EUCON-aware applications, visit:
http://avid.force.com/pkb/articles/compatibility/Pro-Tools-Control-Support
About This Guide
This guide covers using the Control app with Pro Tools and other EUCON-aware applications.

Conventions Used in This Guide
The names of Commands, Options, and Settings that appear on-screen are in a different font.

The following symbols are used to highlight important information:

💡 User Tips are helpful hints for getting the most from your system.

⚠️ Important Notices include information that could affect your data or the performance of your system.

🛠️ Shortcuts show you useful keyboard or mouse shortcuts.

🔍 Cross References point to related sections in this guide and other Avid guides.

How to Use this PDF Guide
These are some useful features of this PDF:

- The Bookmarks on the left serve as a continuously visible table of contents. Click a + symbol to expand that heading to show subheadings. Click the – symbol to collapse a subheading. Click on a subject heading to jump to that page.
- The Table of Contents provides active links to their pages. Select the hand cursor, allow it to hover over the heading until it turns into a finger. Then click to locate to that subject and page.
- Any text entry in blue is an active link. Click on the link to go to that section.
- Select Find from the Edit menu to search for a subject.

Resources
The Avid website (www.avid.com) is your best online source for information to help you get the most out of your Avid system. The following are just a few of the services and features available.

Account Activation and Product Registration Activate your product to access downloads in your Avid account (or quickly create an account if you don’t have one). Register your purchase online, download software, updates, documentation, and other resources.
https://www.avid.com/account

Support and Downloads Contact Avid Customer Success (technical support); download software updates and the latest online manuals; browse the Compatibility documents for system requirements; search the online Knowledge Base or join the worldwide Avid user community on the User Conference.
Pro Tools | Control Support
https://www.avid.com/products/pro-tools-control/learn-and-support

Products and Developers Learn about Avid products; download demo software or learn about our Development Partners and their products.
https://www.avid.com/Products/index.html

Get Started Fast Video Tutorials
Watch video tutorials for the Control app, Dock, S3, and other EuControl products on YouTube:
Get Started Fast with Pro Tools | S3 and Dock
**Installation and Setup**

To start using the Control app, install it and EuControl software, configure your network, then enable and confirm connections.

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**Installing Pro Tools | Control**

To install the Pro Tools | Control app:

1. On your iPad, open the App Store.
2. In the Search box, enter “Pro Tools Control,” then tap Search.
3. Locate the app on-screen, tap Get, then tap Install.
4. When installation is complete, tap Open.
5. Follow the on-screen instructions to complete the registration process and log in to your Master Avid account (required for obtaining EuControl software). If you do not have an account, you can create one for free.

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**Installing EuControl Software**

Next, install EuControl software on the computer running your media applications, such as Pro Tools. The computer running media applications is referred to in this guide as a *workstation*. An Internet connection is required to download EuControl.

To install EuControl software:

1. Once you have registered using the Control app, on your workstation visit [www.avid.com/account](http://www.avid.com/account), log into your Avid account and download the EUCON_WorkstationUnifiedInstall for your workstation’s operating system (Mac or Windows). If you do not see EuControl software in your account go to [avid.com/activationcard](http://avid.com/activationcard) and click on EuControl.
2. When download is complete, locate the EUCON_WorkstationUnifiedInstall on your computer and double-click it to mount it (DMG on Mac) or uncompress it (ZIP for Windows), then launch the installer.
3. For a description of each option, select it (Mac) or hover the mouse over it (Windows only).
4. Follow the instructions on-screen (select each option you want to install):
   - To only install EuControl, select S3 / Dock / Artist / PT | Control.
   - If you have already installed EuControl on your primary workstation and now want to install onto an additional, external workstation, select EUCON Workstation. For more information, see [Connecting a Second Workstation](#).
   - If you will be using S6 and Pro Tools | Control app simultaneously, select both S3/Dock/Artist/PT | Control and S6 Workstation. Other combinations can be installed (such as S6 Workstation and EUCON Workstation software) but once installed cannot be run simultaneously. For more information, see the most recent S6 Guide.pdf.

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*Installing EuControl onto a primary workstation*

*Installing EUCON Workstation software*
5 When installation is complete, click Quit (Mac) or Finish (Windows). EuControl software on your computer launches automatically and is running when its icon (which is unlit until the Control app is connected) appears in the Menu bar (Mac) or the System tray (Windows).

6 Proceed to Configuring Your Network.

To uninstall items:

1 Launch the installer
   Items that are currently installed are selected (checked) and indicated as Installed.

2 Do the following:
   - To uninstall specific component, make sure it is not selected (no check mark).
   - To uninstall all EUCON applications, select Uninstall all applications.
   - To uninstall all User Preferences, select Uninstall User Preferences (your appsets will not be removed).

3 Click Continue (Mac) or Next (Windows).

AutoLaunch Settings

You can enable or disable auto-launch for EuControl, WSControl, and/or XMON using the AutoLaunch selector.

To configure AutoLaunch on Mac:

1 Make sure EuControl is installed, then do the following:

   Mac  Click on the EuControl icon in the menu bar.

   EuControl Auto-launch Apps selector on Mac

   Windows Right-click on the EuControl or WSControl icon in the System Tray at the bottom of the screen.

   Auto-launch Apps selector on Windows

2 From the Auto-launch Apps sub-menu, choose any of the following (you can enable more than one):
   - EuControl (for S3, Dock, Pro Tools | Control, and Artist Series)
   - WSControl (for S6)
   - XMON
Configuring Your Network

After installing the Control app on your iPad, configure your network. In a basic single-user configuration, you can control Pro Tools or other media applications running on a single (primary) workstation computer with the Control app. You can also use an Avid media controller such as Pro Tools | Dock and/or Pro Tools | S3 in conjunction with the Control app and control the media application from any of the devices.

To configure your network:

1. If you are using the Control app without an Avid media controller, skip to step 2. If you are using an Avid media controller such as a Pro Tools | Dock and/or Pro Tools | S3 control surface, do the following:
   • Make sure the controller is physically connected (using Ethernet cables) to the workstation computer either directly or via a network switch or router.
   • Power on any Avid media controllers.

2. Power on your workstation.

3. On your iPad, tap Settings, then tap Wi-Fi. If necessary, enable Wi-Fi and connect to your preferred network.

4. Establish a network connection between your workstation and the same network the iPad is connected to using Wi-Fi or a wired Ethernet connection.

   * A wired Ethernet connection requires an Apple Lightning to USB 3 Camera Adapter + USB 2 to Ethernet Adapter, and iOS 9.3.x or higher. This provides a cabled data connection only; a powered USB hub is required to provide power to keep the iPad charged while connected. For more information, visit [www.apple.com](http://www.apple.com).

5. On your iPad, tap the Pro Tools | Control icon to launch the app.

   ![Pro Tools | Control icon]

A successful connection between the Control app and your workstation computer is indicated by a lit EuControl in the Menu bar (Mac) or the System tray (Windows).

![Lit EuControl icons on Mac (left) and Windows (right)]

If a lit EuControl icon does not appear, or the “EUCON Network Not Found” dialog appears proceed to [Troubleshooting EuControl Connections](#).

6. Proceed to [Enabling EUCON in Pro Tools](#).
**Using the App in Multi-User Environments**

The Control app can also be used in multi-user environments such as educational settings, in which multiple workstations are all connected to the same network. Workstations can be connected to the network using a Wi-Fi or wired Ethernet connections. A single instance of the Control app can be connected to any other workstation in the network running EuControl software using the Eu-Control Settings > Surfaces tab (see **Surfaces** for more information).

Avid media controllers can also be used in these configurations, and must be connected to a workstation directly or using a router or switch.

![Diagram of multi-user environment](image)

*Example of a multi-user environment*

💡 *The Control app also supports configurations with secondary workstations. See [Connecting a Second Workstation](#).*
Enabling EUCON in Pro Tools

To use the Control app or other controller with Pro Tools, you must enable EUCON in Pro Tools. EUCON subsequently remains enabled in Pro Tools unless you disable it.

To enable EUCON in Pro Tools:
1. Launch Pro Tools. If the Dashboard (Pro Tools 12 or later) or Quick Start dialog (Pro Tools 11.x and earlier) appears, close it.
2. Choose Setup > Peripherals, and click the Ethernet Controllers tab.
3. Select Enable EUCON.
4. Click OK. You do not need to configure any other Ethernet Controllers settings.

   Pro Tools scans your system until it identifies attached EUCON-compatible controller. When Pro Tools finishes scanning your system, your controllers are ready to use with Pro Tools.

   Before de-selecting Enable EUCON be sure to go to EuControl Settings > Surfaces and remove all attached surfaces.

5. Proceed to Confirming EUCON.
Confirming EUCON

To confirm installation and communication:

1. Launch the Control app on your iPad.

2. In Pro Tools, make sure you have enabled EUCON and opened a session if one is not already open.

3. On your iPad, verify that the track names for the first eight tracks of the current the Pro Tools session are shown below the faders in the Mixer view of the Control app.

4. In the Pro Tools Mix window, verify that the names of the tracks shown in the Control app are outlined with blue-green borders.

5. Proceed to either of the following:
   • For an overview of the Control app, see Pro Tools | Control Overview.
   • For instructions on using the Control app with Pro Tools and other EUCON-aware media applications, see Using the Control App.
Connecting a Second Workstation

By installing EUCON Workstation on a second workstation (as explained below), the Control app can control applications running on that second workstation. The Control app targets the workstation currently attached in the EuControl Settings > Workstations tab. When using a secondary workstation, wired Ethernet connections between both workstations and the router are required.

💡 If EuControl is running on the same workstation as all your audio/video applications, you can skip these instructions.

💡 You can toggle between two workstations using the Workstation/Application switch on Avid media controllers such as the Dock, S3 and Artist Mix. When using the Control app with an Avid media controller, the Control app targets the same workstation as the controller. When using the Control app by itself, use the **Workstations** tab of EuControl Settings to select workstation.

Example of a two-workstation configuration

To be able to control a second workstation:

1. Quit (Mac) or Exit (Windows) Pro Tools and any other EUCON applications running on any of your workstations.
2. Transfer the EUCON_WorkstationUnifiedInstall onto the second computer. After downloading, make sure the installer is mounted (DMG on Mac) or uncompressed (ZIP for Windows).
3. Double-click the Install EUCON Workstation Unified installer, then select the EUCON Workstation option and click Next.

4. Follow the instructions on-screen to complete the installation.
5. When installation has finished, go to Spotlight (Mac) or Search (Windows), and type “MC Client” to locate the application.
6 Launch MC Client to enable control of the secondary workstation.

7 On the primary workstation, do each of the following:
   • Open EuControl Settings, go to the Workstations tab, and click to enable Enable External Workstations. Follow the prompt and wait until EUCON applications restart. You must also manually relaunch your DAW.
   • Go to System Preferences > EUCON (Mac) or Control Panel > EUCON (Windows).
   • Click the Network Interface selector and choose the port used for your EUCON network connection (such as Ethernet 1).

8 On the secondary workstation, do each of the following:
   • Go to System Preferences > EUCON (Mac) or Control Panel > EUCON (Windows).
   • Make sure the Network Interface selector shows the correct network port for your EUCON connection.
   • If it is not already enabled, click to enable Enable as External Workstation. Follow the prompt and wait until EUCON applications restart. You must also manually relaunch your DAW.

9 On the primary workstation, open the EuControl Settings window by doing either of the following:
   • On Mac, click the EuControl icon on the taskbar and select EuControl Settings.
   • On Windows, double-click the EuControl icon in the system tray and select EuControl Settings. If you don’t see the EuControl icon, it could be automatically hidden by Windows. Click on the small white arrow to show hidden icons, then double-click the EuControl icon.

10 In EuControl Settings, go to the Workstations tab.

11 Select your secondary workstation in the All Workstations list, then click Add to add it to the My Workstations list.

You can now switch between workstations by doing either of the following:
   • In the Workstations tab of EuControl Settings, select the desired workstation in the My Workstations list and click Attach. If you are using the Control app without any other Artist Series controllers, you must use this method to switch workstations.
   • On the Dock, S3, or other Artist Series media controller, press the Workstation switch. For example, on the Dock press SHIFT+App/Workstation.

See Workstations for information on the other features of the Workstations tab.
Troubleshooting EuControl Connections

This section provides troubleshooting for EuControl connection issues.

“EUCON Network Not Found” Dialog

If the “EUCON Network Not Found” dialog appears when launching EuControl software, you must select the correct Network Interface in the EUCON Preferences (Mac) or EUCON Control Panel (Windows).

To select the correct Network Interface for EuControl:

1. Do one of the following depending on your workstation computer’s operating system:
   - **Mac**: Go to System Preferences and select EUCON.
   - **Windows**: Go to the Control Panel and select EUCON.

2. From the Network Interface (Mac) or the Select Network Interface (Windows) pop-up menu, select one of the following depending on your configuration:
   - **Wi-Fi**: When using the Control app standalone (not in conjunction with another Avid media controller).
   - **Ethernet**: When using the Control app in the following configurations:
     - Your workstation computer is connected directly to an Avid media controller such as S3.
     - Your workstation computer is connected to a router or switch.
     - Your configuration includes a second workstation with EUCON Workstation software installed.

3. In the “EUCON Network Not Found” dialog, choose “Restart EUCON”

4. If you choseQuit in the “EUCON Network Not Found” dialog, relaunch EuControl by typing “EuControl” into Spotlight Search (Mac) or the Start Menu Search box (Windows), then choose EuControl.

Unlit EuControl Icon

If a lit EuControl icon does not appear when EuControl launches, do any of the following:

- See Add to add the Control app manually.
- Click the EuControl icon in the menu bar (Mac) or right-click the choose Restart EUCON Applications (see Restart EUCON Applications for more information).
- Shut down the iPad and your computer, then turn them on (iPad first, then the workstation computer).
- Make sure the name of your iPad does not exceed 31 characters.
- See www.avid.com/Pro-Tools-Control-Support for the most current troubleshooting information.
Installing Appsets for EuControl Products

Avid provides a set of pre-configured Soft Key commands (Appset) for Pro Tools | Dock, Pro Tools | Control, Pro Tools | S3, and Artist series control surfaces. Perform the tasks in this section to make sure you get the latest Appset functionality when using your controller(s) with Pro Tools and other EUCON™-aware applications.

To download the latest Appset:

1. Visit www.avid.com/account, log into your Avid account and download the “EuControl Appsets vX.X.zip” to your computer.
   Note: To access this file you must first register using the Control app, or using the EuControl Software Activation Card included with the Dock.
   • As an alternative, visit EuControl Appsets and download the “EuControl Appsets vX.X.zip” from our Knowledge Base.

2. When download is complete, locate the downloaded “EuControl Appsets vX.X.zip” on your computer and double-click it to expand it (Mac) or uncompress it (Windows).

To install the latest Appset:

1. On your computer, go to the following locations:
   • On Mac, go to: /Library/Application Support/Euphonix/UserSets/MC2User/MC_USER_SET_Root
   • On Windows, make sure “Show hidden files and folders” is enabled, and go to:
     C:\Users\<enter your username here>\AppData\Roaming\Euphonix\UserSets\MC2User\MC_USER_SET_Root\n
2. If an XML file is located in this folder, move the file to a different location and take note of that location as you might want to use it in the future.

3. In the “EuControl Appsets vX.X” folder you downloaded and expanded, locate the appset files for your DAWs.
   For example, for Pro Tools 12, locate the files called Pro Tools 12Mac.xml or Pro Tools 12Win.xml. If you are running Pro Tools 11 instead of Pro Tools 12, locate the file Pro Tools 11Mac.xml or Pro Tools 11Win.xml.

4. Move the desired .xml file into the MC_USER_SET_Root folder.

5. Restart all EUCON applications by doing the following:
   • On Mac, click the EuControl icon on the taskbar and select Restart EUCON Applications, then click Yes.
   • On Windows, click the EuControl icon in the Task or System tray (Windows) and select Restart EUCON Applications, then click Yes. Unused icons will be shown in the Hidden icons view.

6. Your EuControl surface will now recognize the new Appset.
Pro Tools | Control Overview

This section provides an overview of the views, controls, and indicators in the Control app.

Pro Tools | Control provides four primary views; Mixer View, Tracks View, Channel View, and Soft Keys View. In all views, the Tab Bar across the top of the screen and the Toolbar across the bottom of the screen are always visible and accessible.

See Using the Control App for information on using the app.

Mixer View

The Mixer view provides faders and associated controls in banks of eight tracks, letting you control track level and other parameters. Tracks are oriented horizontally, so the leftmost track (Track 1) is the first track of the current session on your workstation.

To access additional tracks:

- Swipe to the left to access higher-numbered tracks, or to the right for lower-numbered tracks.

The Mixer view provides virtual fader strips for tracks in the current session on your workstation computer. Each fader strip provides the following controls:

1 – Track Number and Name

The track as named in the application and the track number are shown.

2 – Fader

The fader adjusts the level for the track. Double-tap the fader cap to reset the fader level to 0 dB.

3 – Input Monitor, Record, Solo, and Mute Buttons

These buttons let you enable input monitoring, record, solo, and mute for the corresponding track.

4 – Automation Mode Indicator

This indicator shows the current automation mode for the track. Tap the indicator to choose a different automation mode from the pop-up. Available choices depend on the application you are using.

5 – Pan Indicator

This indicator shows track pan. Tap the Pan indicator to access the Pan Control pop-up, which provides the pan controls. A single control appears for mono tracks, and dual controls appear for stereo tracks. Double-tapping a pan slider to reset the pan position to default.

When a track is assigned to a multichannel output path, that path name appears in the pan display.

6 – Group ID

This indicator shows the ID and color of the current Mix group assignment of the track. If the track is not currently assigned to any Mix group, the indicator reads nogroup.
Tracks View

The Tracks view displays a bank of up to 40 track tiles in five rows. You can select tracks, and enable or disable track input monitoring, record, solo, and mute.

To access additional tracks:

- Swipe up to access higher-numbered tracks, or down to access lower-numbered tracks.

💡 You can also use the Universe Scroller to access tracks.

The Tracks view provides the following controls and indicators:

1 – Track Tiles

Each track in the session has a track tile that shows the track’s number and name, as well as its current Input Monitoring, record, mute and solo status, and automation mode. A level meter is also provided. Tapping a track tile engages the currently selected track function for that track, as determined by the Track Function buttons.

2 – Track Function Buttons

Tapping a Track Function button (Select, Input, Record, Solo, Mute) selects that function. When a function is selected, tapping a track tile engages that function for that track. One track function can be active at a time. Double-tapping a Function button clears the currently selected function. For example, if multiple tracks are soloed and the Solo function is selected, double-tapping the Solo Function button clears all solos.
Soft Keys View

The Soft Keys view displays four rows of six Soft Keys each. In the default Appset, the first page of Soft Keys view is the Home page which provides navigation (“jump”) Soft Keys that take you to additional pages of Soft Keys.

To access Soft Keys view:

- Tap Soft Keys in the Tab bar.

![Soft Keys view, Home page](image)

The Soft Keys available in Soft Keys view are identical to those available in the default Appset for Artist Control. Take a moment to explore the commands available in Soft Keys view by tapping any Soft Key on the Home page to go to the page for that function. Most pages of Soft Keys provide a Home button in the lower right corner so you can quickly return to the main Home screen.

⚠️ Pro Tools | Control can be used simultaneously with an Artist Control, and they will share Soft Key assignments. However, you should only use the Soft Keys from one or the other media controller. Do not use Soft Keys from the Control app, then from Artist Control, and so on; choose one of the two controllers as your Soft Key controller.

Like all Soft Keys, you can create and edit assignments to customize them in the Soft Keys tab of EuControl software. For more information, see Customizing Soft Keys.
Channel View

Channel view lets you quickly view and select different functions, edit parameters using the on-screen controls or the Soft Knobs on the Dock, insert plug-ins and assign sends, access the surround panner, and more.

The upper part of Channel view provides the same Tab bar and Universe Scroller as Tracks view, along with a single row of Track tiles. Along the bottom of Channel view is the same Toolbar as in Tracks view, letting you view Transport controls or Soft Keys.

The other elements of Channel view are the following (numbers refer to the figure, above).

1 – Function Scroller

Tiles to select the desired function, such as Inserts (plug-ins), Input, Dynamics, EQ, Sends, Pan, Group, and Mix (track output).

2 – Function View

Four parameter blocks on each side, each showing their currently assigned parameters. Parameter blocks align with, and correspond to, the Soft Knobs on the left and right sides of the Dock. The center of the Function View shows additional sets of parameters available for the current function, except in Pan view.

In Pan view, the center of the Function View shows the panner window. When the attentioned track is assigned to a multichannel output, additional pan parameters can be selected using the Tile button.

To access other Pan parameters:

- Tap the Tile button in the lower left corner.
- Blocks of additional Pan parameters are displayed; tap a block to select its set of parameters.
Tab Bar

1 – Focused Application

The Control app shows the name of the currently focused application in green (such as Pro Tools 12 Mac). If the Control app is not connected to EuControl software on your workstation, Not Connected is shown in red.

⚠️ If Not Connected is show, make sure the iPad and the workstation are connected to the same network. See Troubleshooting EuControl Connections for more information.

2 – Counter

The Counter shows the Main Counter (default) or the Sub Counter for the current session. Tap the Counter to toggle between them.

3 – View Buttons

Tapping one of the View buttons displays the Mixer, Tracks, or Soft Keys view. If your system also include a Pro Tools | Dock, the additional Channel view is also available.

4 – Track Type and Layouts Button

The Track Type and Layouts button lets you filter the types of tracks shown on-screen. You can choose between track types available in the focused application (such as audio tracks, Aux Inputs, and MIDI tracks). You can also recall custom fader Layouts created with a Pro Tools | S3 or Artist Mix. When Layouts are present, the name of the most recently selected Layout appears in the button.

To filter the types of channels shown on-screen:

1 Tap the Track Type button.

2 To filter Track Types, tap TrackTypes, then tap the button of one or more available track types from the menu. A button is lit orange when that track type is active. Tap All to view all tracks.

3 To filter Layouts, tap Layouts, then chose a Layout from the menu if available.

⚠️ See Managing Layouts for more information on working with Layouts in the Control app.

5 – Settings (Gear Icon)

The Settings button lets you access the Settings window. The Settings shown include the following:

App Banks DAW When enabled (lit orange), forces tracks in the currently focused DAW to follow Control app banking.

Tracks View When selected, the option Display Breaks on Track Color appears on the right side of the Settings window. Enable this option to configure Tracks view to visually separate tracks into rows based on their assigned track color.

Focused Application Shows the Control app’s currently focused application.

Get Help Provides links to help resources such as the Avid Knowledge Base.

About When selected, shows information about Pro Tools | Control in the right side of the Settings window.
7 – **Universe Scroller**

The Universe Scroller lets you quickly access tracks in both views. The Universe Scroller is composed of individual rectangles, each representing a track in the current session. The yellow outline indicates the tracks currently shown on-screen. The smaller blue outline indicates the currently selected track.

**To access tracks using the Universe bar, do one of the following:**

- Swipe the Universe Scroller left or right until the tracks you want to access appear on-screen.
- Tap a track in the Universe bar to jump to that bank of tracks. In Mixer view, the track you tapped appears on the leftmost fader, and the next seven tracks appear to the right of that track.

### Toolbar

**Transport/Soft Keys**

**Transport**

**To access the Transport controls:**

- Tap **Soft Keys** so it is unlit. Transport controls appear in the Toolbar, as follows:
  - Return to Zero
  - Rewind
  - Fast Forward
  - Stop
  - Play
  - Record Arm
  - Loop Playback on/off

**Soft Keys**

Soft Keys provide shortcuts to many of your media application’s functions. The Control app provides two sets of default Soft Key assignments when used with Pro Tools or other EUCON-aware applications.

- The **Primary Soft Keys** appear across the bottom of the Control app when the Toolbar **Soft Keys** button is enabled.
- Additional Soft Keys can be accessed when the **Soft Keys View** button (in the upper Tab bar) is enabled. The following section describes the primary Soft Keys.
Primary Soft Keys

Each page of primary Soft Keys provides 12 Soft Keys slots. Using the Soft Key Editor provided within the EuControl software, you can customize the default Soft Key assignments, or you can populate the remaining available pages of Soft Keys with custom assignments. See Customizing Soft Keys for more information.

To access the primary Soft Keys:

1. Tap Soft Keys in the lower Toolbar so it is lit orange. The first page of primary Soft Keys appear in the Toolbar.

2. Do any of the following:
   • Tap a Soft Key to trigger the function as labeled on the Soft Key. For example, the Soft Key labeled OK mirrors the function of the Enter key on your keyboard.
   • Tap the Down arrow to advance to the next page of Soft Keys.
   • To the right of the Soft Keys, tap the Up arrow to go to the previous page of Soft Keys.
   • Tap the lit Soft Keys button again to return to Transport view.

You can edit existing default Soft Key assignments and create your own. See Customizing Soft Keys for more information.

2 – Fader Button

The Fader button lets you access a fader for the selected channel while in any view. When any track is selected, the Fader button changes to the name of the selected track.

To access a fader in Tracks view:

1. Tap Fader (or the displayed number and name of the currently selected track).
   A fader and associated controls appear for the currently selected channel.

2. Adjust track parameters as desired. For example, to adjust track volume drag the fader to the desired location.

To dismiss the fader:
   • Press the Fader button again. The fader disappears.

To move the floating fader:

1. Tap and hold the track name until the floating fader pulsates.

2. Drag the floating fader to desired position on-screen.

Moving the floating fader only affects the Control app, not Pro Tools track locations.

3 – Soft Keys Show/Hide

This button shows or hides the 12 primary Soft Keys. Tapping Soft Keys so it is lit orange shows the Soft Keys. When unlit, the Transport is shown.
Using the Control App

The workflows in this section show how to use the Control app specifically with Pro Tools. They also apply to most other EUCON-aware applications.

You can also watch video tutorials for the Control app, Dock, S3, and other EuControl products on YouTube:

Get Started Fast with Pro Tools | S3 and Dock

Banking Tracks

The Mixer view shows up to eight tracks at a time, and the Tracks view shows up to 40 tracks. In both views you can display additional tracks by swiping the screen or using the Universe Scroller.

💡 When using the Control app with an Avid media controller such as S3, tracks are banked to each device independently. For example, if the S3 is banked to tracks 1–16 and you bank the Control app from tracks 1-8 to tracks 17-24, the S3 remains banked to tracks 1-16.

To bank tracks in Mixer view:

1. If necessary, tap Mixer.
2. Swipe horizontally in the fader area to bank other channels.

In Pro Tools, the names of the tracks currently banked to the faders in the Mixer view are outlined with blue-green borders.

To bank tracks in Tracks view:

1. If necessary, tap Tracks.
2. Swipe vertically in the track tiles area to bank other tracks.

To bank tracks using the Universe Scroller, do one of the following:

- Tap the Universe Scroller and slide horizontally until the desired tracks are shown.
- Tap anywhere in the Universe Scroller.
  - In Mixer view, the tapped track is assigned to the leftmost fader.
  - In Tracks view, the tapped track is assigned to the top-leftmost track tile.

💡 By default, banking the Control app does not bank the focused DAW. You can change this so that your DAW does follow Control banking by enabling the Pro Tools | Control setting App Banks DAW.
VCA Spill

You can spill VCAs from Pro Tools | Control whenever an S3, Dock, Artist Mix, or Artist Control are present.

To spill a VCA from Pro Tools | Control:

1. In EuControl Settings, go to the Preferences tab.
2. Make sure to enable the Auto Spill VCA from Control App Attention setting.
3. In the Control app, go to the Tracks screen and make sure the Select command is active.
4. Tap a VCA.
   Members of the selected VCA spill onto the S3, Artist Mix, and/or Artist Control. When a Dock is present, spill and Master follow current S3 VCA Spill settings.
5. Tap the track block again to unspill.
Selecting Tracks

You can select and attention tracks in both the Mixer and Tracks views. When using the Control app with an Avid media controller like S3, tracks selected/attentioned from any surface are selected/attentioned on all attached surfaces.

💡 In Pro Tools and other applications, multiple tracks can be selected, but only one channel can be attentioned. When selecting multiple tracks, the attentioned track is the last one selected.

To select and attention a track in Mixer view:
- Tap the track name under the fader for the desired track.
  A blue rectangle surrounds the selected track’s fader strip, and surrounds the selected track in the Universe Scroller.

To select a track in Tracks view:
1 Tap Select in the Toolbar.
2 Tap the desired track tile.
  A blue rectangle surrounds the track tile, and surrounds the selected track in the Universe Scroller.

To select a range of tracks (multi-select) (Pro Tools only):
1 Select a track.
2 Tap and hold a different track. All tracks between the two are selected.

To select all tracks:
1 In the lower Tool bar, tap Soft Keys.
2 If necessary, navigate to the first page of Soft Keys by tapping Prev until the Do to All Soft Key is displayed.
3 Tap to enable Do to All, then select any track.

To deselect a track (when multiple tracks are selected), do one of the following:
- Double-tap the track (Pro Tools only).

To select non-adjacent tracks (add to a selection):
1 Select any track.
2 Tap and hold the Command Soft Key (from Home, tap Modifiers) and tap any other tracks.

To deselect all other selected tracks, do one of the following:
- Tap any currently selected track (all other tracks a deselected).
- With multiple tracks selected, tap and hold the Option Soft Key, then tap the track you want to leave selected.
**Adjusting Track Volume and Pan**

You can adjust track volume from Mixer and Track view. You can adjust track pan from Mixer and Channel view.

### Adjusting Track Volume

**To adjust track volume in Mixer view:**
1. Bank to the desired track.
2. Touch the desired fader and slide vertically.

**To adjust track volume in Tracks view:**
1. Tap Tracks.
2. Tap a track tile.
3. Tap the Fader button (or the name of the currently selected track in the location shown below).
4. In the Fader pop-up, touch the fader and slide vertically.
5. Tap another track tile to adjust its level, or tap **Fader** again to close the Fader pop-up.

**To reset a track’s fader level to default (0 db):**
- Double-tap a fader cap.

### Adjusting Track Pan

**To pan a track in Mixer view:**
1. Tap Mixer.
2. Bank to the desired track.
3. Touch a track pan indicator.
4. In the Pan Control pop-up, touch a pan control and slide it horizontally to adjust the pan. Stereo tracks provide two pan controls.

**To reset track pan:**
- In the Pan Control pop-up, double-tap a pan control. Pan is reset to 0 (center) for a mono track, and to -100 (fully left) and +100 (fully right) for a stereo track.
Display of multichannel Output Paths in Mixer View

When a track is assigned to a multichannel output path, that path name is shown in the Mixer view pan display.

Panning in Channel View

To pan a track in Channel view:

1. Select the desired track.
2. Tap Channel.
3. In Channel view, tap the Pan function block.
   - If the track is mono, a single pan indicator appears in the panner.
   - If the track is stereo, two pan indicators appear.
4. Touch and drag a track pan indicator (green circle) to pan.
   - To snap a pan indicator to a displayed speaker, tap the speaker (or the small green, triangular Center icon to pan to center).
5. To enable pan Link (for stereo tracks only) tap the In button in the lower left Link block. To enable Inverse Pan, tap to enable its In button.

You can expand Pan view to full-screen by tapping the Expand icon (two arrows) in the lower right corner. For information about multichannel Pan features in Channel view, see Surround Panning.
Recording Tracks
You can record-enable tracks and initiate a recording using the Control app.

Record-Enabling Tracks
You can record-enable tracks from the Mixer and Tracks views. A track must have a valid hardware input to be record-enabled.

*For Pro Tools, make sure to enable the Latch Record Enable Pro Tools Preference (Preferences > Operation > Record) so you don’t have to hold the Shift key to record enable additional tracks.*

To record-enable tracks in Mixer view:
1. Tap Mixer.
2. Bank to the desired track.
3. Tap the record-enable button for each track you want to record to. The fader cap for each record-enabled track lights red and the record enable button blinks red.

To record-enable tracks in Tracks view:
1. Tap Tracks.
2. Bank to the desired track.
3. Tap the RECORD track function button so it is highlighted.
4. Tap the track tiles for the tracks you want to record to. Their record-enable indicators flash red.

To record enable all tracks:
- Touch and hold the Option Soft Key, then tap the record-enable button (Mixer view) or the track tile (in Tracks view with the Record track function button enabled).
Initiating a Recording

You can initiate a recording using the Control app’s Transport controls.

To initiate recording:
1. Tap Transport to show the transport controls.
2. Tap the Record Arm button in the Transport. The button flashes red in the Control app and in Pro Tools.
3. Tap the Play button in the Transport to start recording. The Play and Record buttons light solid in the Control app and in Pro Tools.
4. To stop recording, tap the Stop button in the Transport. The Stop button lights blue in the Control app.
5. To disarm the transport, tap the Record button so it is unlit.

Setting Track Automation Mode

You can set the automation mode for a track in Mixer view.

To set track automation mode:
1. In Mixer view, bank to display the desired track.
2. Tap the track Automation mode selector.
3. Choose the desired mode.

💡 To change automation mode on all tracks, or all selected tracks, hold the Soft Key for Do to All or Do to Sel while choosing an automation mode.

You can also set track automation mode in Tracks view using the Soft Keys.

To set track automation mode using the Soft Keys:
1. From the Home page of primary Soft Keys, press Automation to go to the Automation page.
2. Tap and hold the Soft Key for the desired automation mode and tap a track.
3. To set the automation mode for a selection of tracks:
   - Select the desired tracks.
   - Press the Do to Sel Soft Key.
   - Press the desired automation mode Soft Key.
4. To set the automation mode of all tracks:
   - Press the Do to All Soft Key.
   - Press the desired automation mode Soft Key.
Assigning Track Input and Output

You can assign track I/O using Channel view.

To assign track input or output:

1. Attention a track (see Selecting Tracks), then tap Channel to display Channel view.

2. In the Function scroller:
   • To assign track input, tap Input.
   • To assign track output, tap Mix.

   Any currently assigned input or outputs are shown in the upper left slot of the Function view (such as no input, as shown in the figure).

3. Tap the upper left slot in the Function view.

   The next level of choices appears. For example, for Input, interface and bus appear in the two upper left slots. For Mix (output), output and bus appear.

4. Swipe the on-screen selector for interface or bus (for input) or output or bus (for output) to select the desired input source or output destination.

5. Tap the In button next to the on-screen selector to assign the selected input source or output destination.

6. Tap the Sel button next to the on-screen selector to add the selected output source to that track’s output assignments.

Assigning Group Membership

Channel view lets you assign tracks to Groups. Make sure you have already created one or more Groups in your session.

To assign a track to a Group:

1. Attention a track (see Selecting Tracks), then tap Channel to display Channel view.

2. In the Function scroller, tap Group. Each existing Group appears in its own slot.

3. Tap the slot for the desired Group.

4. In the slot for the selected Group, the In switch lights to confirm assignment of the currently attentioned track.
Working with Plug-ins and Sends

Channel view lets you insert and adjust plug-ins, choose plug-in presets, and assign sends.

💡 At any time while inserting plug-ins, choosing Settings files, or assigning sends, tap the on-screen < button (to the left of Config) to return to the previous level of choices.

Inserting a Plug-In

To insert a plug-in on a track:

1. Attention a track (see Selecting Tracks), then tap Channel to display Channel view.

2. In the Function scroller, tap Inserts.

3. Tap to enable the Config button on-screen. The Config button lights orange.

4. Tap a slot corresponding to the insert or send slot (a–j) where you want to add the plug-in or send. To navigate to other slots (such as i or j) tap their block in the center of the Function view.

   The next level of choices appears in slots in the Function view.

   For example, for plug-ins, the choices are noinsert, plug-in, i/o, and default plug-ins (if any) such as Pro Tools EQ3 or Dyn3Comp/Lim.

5. Tap the slot for plug-in to see the next level of plug-in choices (such as Categories, or Manufacturer).

6. Tap a slot to insert that plug-in.

   The In button in that slot lights to confirm assignment.

7. Tap Config to exit Config mode.

   The Function view returns to showing all currently inserted plug-ins.

Auto-Insert Default EQ/Dyn

You can configure Pro Tools to automatically insert a default EQ or Dynamics plug-in.

To configure these settings in Pro Tools:

1. Choose Setup > Preferences and click to go to the Mixing tab.

2. In the Setup section, enable Auto Insert Default Plug-Ins from EUCON Surfaces, then choose default plug-ins from the Default EQ and Default Dynamics selectors.

To use Auto Insert Default Plug-ins:

1. Attention the desired track.

2. Go to Channel View, then tap the EQ or Dyn function blocks.

3. Tap the tile displaying Add EQ? or Add Dyn? to insert the default plug-in.
Specifying the Slot to Auto Insert Plug-Ins  
(Pro Tools 2018.1 or Higher)

You can designate a specific slot for Pro Tools to use when automatically inserting plug-ins using the Insert Slot selectors.

To designate the Insert Slot for auto-inserted EQ or Dynamics plug-ins:

1. In Pro Tools choose Setup > Preferences, then click the Mixing tab.
2. Make sure Auto Insert Default Plug-Ins from EUCON Surfaces is enabled.
3. Choose a default EQ and/or Dynamics plug-in from their selectors.
4. Use the Insert Slot selector to designate the slot (a–j) where you want the default plug-ins to be inserted when the EQ or Dyn switch is pressed on a strip. If a plug-in is already inserted into the designated slot, Pro Tools uses the next available slot. Choose <none> to have Pro Tools insert the default plug-in into the first available slot.

5. Click OK to close Preferences.

*The related setting in the Controllers section EUCON Surfaces EQ Dyn cycling Starting at Insert is currently for S6 only.*
Adjusting Plug-ins

To access plug-in parameters:

1. In Channel view, do either of the following:
   - Tap Inserts, then tap the slot showing the desired plug-in to display its parameters.
   - Tap EQ or Dyn to show the desired EQ or Dynamics plug-in (if any).

   See also Plug-in Parameter Mapping for important distinctions between Inserts mode, and EQ/Dyn modes.

2. To adjust a displayed parameter, do the following (refer to the figure, below):
   - To adjust a variable parameter such as Low-Mid Band Gain, swipe its slider.
   - For two-state or in/out parameters, tap the Sel or In buttons in the corresponding slot. For example, to toggle filter Type between as Peak or Shelf in EQ3, tap the IN button in the slot for a band’s Frequency control. To access Q, tap the Sel button for the desired Frequency; tap Sel again to return the slot to Freq. To turn a band on or off, tap the IN button for a band’s Gain.
   - To reset a variable parameter (frequency, gain, or Q) to its default setting, tap the parameter name.

   Additional parameters might be available with other plug-ins, so check with the manufacturer for more information.

Plug-in Parameter Mapping

Plug-in parameter mapping depends on the selected knobset (function), as follows:

- **Inserts** In the Inserts knobset parameters are mapped according to the manufacturer’s specifications. Parameter mapping can vary between plug-ins, even of the same type.

- **EQ and Dyn** In the EQ and Dyn knobsets, parameter mappings are standardized across types of plug-ins. For example, the threshold controls for two compressor plug-ins from different manufacturers appear on the same encoder.

To bypass a plug-in from Inserts view:

1. Tap Channel to display Channel view.

2. In the Function scroller, tap Inserts. All plug-ins inserted on the currently attentioned track appear in slots.

3. Tap the In switch for the desired plug-in. When In is unlit, the plug-in is bypassed.

To bypass a plug-in from parameter view:

1. In Channel view, do either of the following:
   - Tap Inserts, then tap the slot showing the desired plug-in to display its parameters.
   - Tap EQ or Dyn to show the desired EQ or Dynamics plug-in (if any).
2 Tap the IN button in the upper right of Function view.
   When lit, the plug-in is not bypassed. When unlit, the plug-in is bypassed.

IN (bypass) when viewing plug-in parameters

To open or close the plug-in window on-screen:
1 In Inserts view, tap the Sel button for the desired plug-in.

Using Plug-in Presets
Config mode lets you select plug-in Presets (Settings files).

To select a Settings file:
1 Attention a track with one or more plug-ins (see Selecting Tracks) then tap Channel to display Channel view.
2 In the Function scroller, tap Inserts. All currently assigned plug-ins are shown in slots of the Function view.

💡 If the track already has an EQ or Dynamics plug-in and you want to select a Settings file for either of them, tap the EQ or Dynamics blocks in the Function scroller, then skip to step 5.

3 Select a plug-in by tapping its slot. Parameters for the selected plug-in appear in each slot.
4 Tap the Config button on-screen, in the upper part of the Function view.
   The Config button lights orange. The name of the current Settings file appears in the upper left slot (such as <fctryd> when the factory default Settings file is loaded), and that slot’s In switch lights.
5 Tap the upper left slot.
   The names of available Settings files, or categories (sub-folders) of Settings files, appear in slots.
6 Tap to navigate through categories until the desired Settings file is listed in a slot, then tap that slot to select and load it.
   The name of the selected Settings file appears across the top of the Function view.

7 When finished, tap Config to exit Config mode. Plug-in parameters reappear in Function view slots.

Compare
To toggle the on-screen Pro Tools Compare function, tap the In button in the upper right of the Function view. In lights when the Compare button is lit.
Assigning a Send

To assign a send to a track:

1. Attention a track (see Selecting Tracks), then tap Channel to display Channel view.

2. In the Function scroller, tap Sends. Any currently assigned sends are shown in slots of the Function view.

3. Tap the Config button on-screen, in the upper part of the Function view. The Config button lights orange.

4. Tap a slot corresponding to the send slot (a–j) where you want to add the send. To navigate to other slots (such as i or j) tap their block in the center of the Function view. Send controls appear in the selected slot.

5. To assign a send, swipe the selector for output (for a hardware output) or bus (for an internal bus) until the desired path is shown.

6. Tap the In button in the corresponding slot to confirm the assignment.

Adjusting Sends

Channel view lets you adjust send level, mute, toggle pre-/post-fader mode, and adjust send pan.

To adjust send parameters:

1. Attention a track with one or more sends already assigned, then tap Channel to display Channel view.

2. In the Function scroller, tap Sends. All sends assigned on the currently attended track appear in slots.

3. To adjust send level, swipe the slider for the desired send.

4. To toggle the send between pre- and post-fader, tap its Sel switch. When Sel is lit, the send is in pre-fader mode.

5. To mute or unmute a send, tap its In switch. When In is unlit, the send is muted.

6. To mute or unmute all sends on the track, tap the In switch in the upper right of the Function view.

7. To adjust send pan, tap any blank area in the block for a stereo send (do not tap its level slider, Sel or In buttons). Send pan controls appear in slots on the right side of Function view. To return to other send controls, tap the < button next to the Config button.
Surround Panning

The Pan function in Channel view lets you access the surround panner.

![Surround panner, showing a mono track assigned to a 5.1 output](image)

To pan in surround:
1. Select a track assigned to a multichannel output path.
2. In Channel view, tap the Pan function block.
3. To pan, do any of the following:
   - Drag a green pan dot.
   - Tap a displayed speaker to “snap” the channel to that speaker.
   - Use the sliders on either side of the panner, or corresponding knobs on the Dock or an S3.
4. Use the sliders (or knobs on the Dock or S3) to adjust advanced pan parameters such as Divergence and Center percentage.

*Reducing Center Percentage (when available) does not dim the Center speaker displayed in the Control app panner.*

To access other pan parameters:
- Tap the Tile button in the lower left corner.
  - Blocks of additional parameters are displayed; tap a block to select its set of parameters, such as Right Front.

To expand the surround panner:
1. Tap the Expand icon in the lower right corner.
   - The surround panner fills the screen, the sliders are hidden, and the Collapse icon appears below the panner.
2. To return to panner and sliders view, tap the Collapse icon.

Pan Knob Mapping
*(Requires Pro Tools 12.7.1 or higher)*

When panning in surround:
- Rear position is available from the same knob as Front (see L/R Rear via L/R Front + Sel).
- You can link the Front and Rear positions (see Link F/R).

L/R Rear via L/R Front + Sel

When the L or R Front parameter is mapped to a knob, press that knob’s Sel switch to reassign the knob to the corresponding channel’s Rear parameter. For example, when L Front is displayed on an encoder pressing that encoder’s Sel switch maps L Rear to that encoder. Press the lit Sel switch again (it becomes unlit) to return the encoder to L Front.


## Link F/R

You can link the Front and Rear pan positions.

- When linked, Rear position follows Front position; if you pan that channel front-to-back while linked, it pans vertically. Automation is written to both front and rear L and R knobs.
- When unlinked, panning the same channel front-to-back will follow the trajectory between the current front position (left-to-right) and the current rear position (left-to-right).

### To link Front and Rear:

1. Attention a mono or stereo track assigned to a multichannel output, and make sure Pan is assigned to an encoder for the attentioned track. In the Control app, tap to go to Channel View and then select Pan from the Function selector.

2. Press the In switch next to the encoder assigned to Front or Rear (if the track is mono) or L (or R) Front or Rear if stereo. When linked (In switch lit), adjusting the F/R (front/rear) parameter pans the channel front-to-back vertically. Any offset between front and rear is ignored.

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## Managing Layouts

(Pro Tools | Control with Pro Tools | S3, Artist Mix, or Artist Control)

You can recall custom Layouts created for your S3, Artist Mix, or Artist Control media controller from the Control App using the **Track Type and Layouts** button (you cannot create Layouts when using the Control app standalone). For Layouts to function correctly with the Control app, be sure to name each Layout, and be sure to create a default Layout containing all tracks in the session.

### Naming a Layout

**To name a Layout:**

1. Launch Pro Tools and open your session.

2. Click the EuControl icon on the taskbar (Mac) or double-click the EuControl icon in the system tray (Windows), then select EuControl Settings.

3. Click the Layouts tab.

4. In the Layouts list, double-click the Layout you want to name, and enter the name.

5. Click Store. The Layout information is stored with your session, and the properly named Layout will appear in the Layouts pop-up menu of the Control app.

### Creating a Default Layout

To create a default Layout, your S3 or Artist Series Controller must be connected to your workstation computer.

**To create a default Layout:**

1. Launch Pro Tools (or another application) and open your session.

2. Click the EuControl icon on the taskbar (Mac) or the System tray (Windows), and select EuControl Settings to open the EuControl Settings.

3. Click the Assign tab and make sure Pro Tools (or your other targeted application) appears next to Application. The controller’s channel strips appear in the Strip column, and tracks assigned to each channel strip appear in the Assigned To column.

4. Make sure all strips say <auto assigned> in the Assigned To column. If any are not, click the displayed name in the Assigned To column and choose <auto assigned>.

5. Click the Layouts tab, and double-click the first layout in the list, type in a name such as “All,” then press Enter.

6. Making sure row 1 is still highlighted, click Store. The Layout information is stored with your session, you can access the default Layout r in the Layouts pop-up menu of the Control app whether or not your S3 or Artist Series controller is also connected.
EuControl

EuControl is launched automatically upon starting your computer and runs in the background. EuControl is responsible for finding, linking, and communicating with all Avid media controllers on the network.

Accessing EuControl Settings

To open the EuControl Settings window, do one of the following:

• On Mac, click the EuControl icon on the taskbar and select EuControl Settings.
• On Windows, double-click the EuControl icon in the system tray and select EuControl Settings. If you don't see the EuControl icon, it could be automatically hidden by Windows. Click on the small white arrow to show hidden icons, then double-click the EuControl icon.

Only one instance of EuControl can run on a workstation. However, multiple workstations on a single network can each run EuControl. Each EuControl-equipped workstation can connect one instance of the Control app on the network.

In this chapter, the tabs in the EuControl software are discussed in the order (left to right) as they appear at the top of the EuControl Settings dialog.

Surfaces

The Surfaces tab shows all EUCON controllers on your network and those connected to your instance of EuControl.

All Surfaces

All Surfaces shows all Avid media controllers on the network. A device shown in light gray is already connected either to your own or another instance of EuControl running on a different workstation. In both cases, it is not selectable.
My Surfaces

My Surfaces shows the media controllers connected to your instance of EuControl. Each media controller can be renamed by double-clicking the existing name and typing a new name.

Add

Click Add to add the selected All Surfaces entry to My Surfaces. This connects the selected Avid media controller to your instance of EuControl. You can also click and drag an Avid media controller from All Surfaces to My Surfaces.

Add is disabled if all media controllers in All Surfaces are connected to any instance of EuControl.

Remove

Click Remove to remove the selected surface from My Surfaces and make it available to other instances of EuControl. Remove is disabled if no surface is selected.

Automatically Add

The Automatically Add menu has two settings that control what happens to stored Surfaces between shutdown and startup.

All Surfaces (Default)

This setting is best used when you are the only person running EuControl in your home or studio. It provides an easy plug-and-play experience by automatically adding your All Surfaces list to your My Surfaces list so you never have to manually edit the My Surfaces list.

My Surfaces Only

This setting is useful in facilities where other EuControl users are on your network. When EuControl starts, only the surfaces from your My Surfaces list are added. Because a surface can only be claimed by one user at a time, this avoids claiming another user’s surfaces.

Update Firmware

This feature does not apply to the Control app.

Each time a new version of EuControl is installed, it checks each media controller in your system to determine if any firmware updates are required. The firmware is embedded in EuControl so an Internet connection is not required.

Select each media controller in the My Surfaces list. Click Update Firmware to update their firmware. If a dialog displays a message that the firmware is up to date, no further action is necessary.

Follow the instructions in the EuControl dialog box.

• The media controllers must be plugged into a working power source.
• Do not power off any media controllers during the update or attempt to interrupt the update.
• The status for each media controller being updated is displayed on that device as well as in the EuControl dialog.

Show Info

Select a media controller and click Show Info to display the name of the unit, and hardware and software information.
Workstations

A media controller can control applications running on a second computer, referred to in this guide as a workstation. The Workstations tab establishes the list of workstations that the Workstation switch on an Avid control surface cycles through. Any workstation running EuControl software can be in this list.

Enable External Workstations

Enables communication with other workstations (other than the one currently running EuControl). Before enabling an additional workstation, make sure you have installed EuControl or EUCON Workstation software on your secondary workstation and configured your systems as explained in Connecting a Second Workstation.

When the Enable External Workstation setting is enabled, the Workstation tab also provides the Redirect Keyboard and Mouse Control to Attached External Workstation setting.

All Workstations

All Workstations lists all EUCON-enabled workstations on the network. If the workstation is already in the My Workstations list, it is shown in gray and cannot be selected.

My Workstations

My Workstations lists the workstations that can be attached to by pressing the Workstation switch (Surface SHIFT + Application/Workstation).

It is possible to put a workstation in the My Workstations list that is already attached to another instance of EuControl running on another computer. It cannot be attached here until it is unattached from the other instance of EuControl. This allows multiple users to share workstations without having to frequently edit their My Workstation list.

Add

Click Add to add the selected workstation from the All Workstations list to the My Workstations list. If the workstation is already in the My Workstations list, it is grayed out and cannot be selected.
**Remove**
Click Remove to remove the selected workstation from the My Workstations list.

**Attach/Detach**
Use the Attach/Detach buttons to switch between Workstations when using the Control app, or any Artist Series media controller that does not provide an Application/Workstation switch.

Select a workstation in the My Workstations list and click Attach. A check mark appears in the Attach column next to that workstation. This workstation is now communicating with the media controller(s) connected to your instance of EuControl.

If the selected workstation is already attached, the button displays Detach. Click it to detach the workstation.

**Redirect Keyboard and Mouse Control to Attached External Workstation**
Your computer keyboard and mouse can control a second external workstation, if desired. Select this option to redirect keyboard and mouse control to the attached workstation. Note that the keyboard and mouse will no longer control your primary computer.

You can manually toggle control back and forth between your primary workstation and the attached external workstation by pressing Control+Option+Command+Esc (Mac), or Control+Alt+Win+Esc (Windows), or by pressing the App/Workstation switch on the Dock, S3, or other supported controller.

The Redirect Keyboard and Mouse Control to Attached External Workstation option must be checked before adding the workstation to the My Workstations list. If it is toggled ON after adding the workstation it will have no affect. Only workstations added with the option checked will respond.

**General**
The General tab lets you control how the Control app and the media application work together.

**Workstation Tracks Knob Set Changes**
This command lets supported workstations follow selection of knob sets on S3 and similar Artist Series media controllers.

This feature does not apply to the Pro Tools | Control app.
Open Plug-ins on Workstation When Editing
This command lets supported workstations open plug-in windows on-screen when a plug-in is selected for editing on S3 and similar Artist Series media controllers.
This feature does not apply to the Pro Tools | Control app.

Close Plug-ins on Workstation When Exiting
This command lets supported workstations close plug-in windows on-screen when you press BACK or exit Inserts mode on an S3 and similar Artist Series media controllers.
This feature does not apply to the Pro Tools | Control app.

Select by Touch
When this command is enabled, touching a fader on an Artist Series media controller, or in the Mixer view of the Control app, selects/attentions the track.

Auto-bank to Selected Track
When selected, the Artist Series media controller (including the Control app) banks to tracks when the tracks are selected on-screen. The controller will auto-bank such that the selected track appears on the leftmost fader of the surface as long as the selected track is not currently visible on the surface.

Display Track Numbers on Surface
When this is selected, the Artist Series media controller and/or Control app shows track numbers as assigned by the current workstation (if supported) in the channel displays.

Rec/Auto Switch Press
The Rec/Auto switch press changes automation modes setting toggles the default function of the Rec/A switch (on S3 and Dock) and the Rec/Auto switch (Artist Mix and Artist Control). This feature does not apply to Pro Tools | Control.

- When enabled, pressing the Rec/Auto switch changes the track automation mode. SHIFT+Rec/A enables track record.
- When disabled, the Rec/A switch operates in its default configuration.

Dock Automation Mode Buttons Follow Attentioned Channel
(Pro Tools | Dock Only)
This setting lets you optimize how the Automation mode switches in the Left Control section select and indicate Automation modes. By default, this setting is off (not enabled).

- When not enabled (its default setting), you can set track Automation mode for the currently attentioned track by holding one of the dedicated Automation mode switches on the Dock, then pressing the Sel switch to the left of the Dock fader. The Automation mode switch LEDs light to indicate all automation modes currently enabled on any tracks in the session. When applying an automation mode change to a selection of tracks or all tracks, simply press the Do to Sel (Selected) or Do to All switches, then press the desired Automation mode switch. There is no need to press the Sel switch.
- When enabled, you can set track Automation mode for the currently attentioned track directly using the mode switches in the Left Control section (you do not need to hold an Automation mode switch and press Sel). The Automation mode switch LEDs light to indicate automation status of the currently attentioned track, only.

💡 At the time of this writing, this feature is fully supported in Pro Tools, only.
Reverse Inserts and Dynamics on S3 and Mix

You can reverse the order of plug-in parameters by enabling these options in the General tab of EuControl Settings. These settings are useful when using certain manufacturer’s plug-ins that spill parameters differently than others.

- When not enabled (default setting), parameters are displayed across S3 (upper knobs) and Mix in their default order.
- When either setting is enabled, parameters are spilled in reverse order.

Solo Mode

These settings let you configure the following Solo modes as (if) available in the current workstation:

- Solo-in-Place
- After-Fader Listen (AFL)
- Pre-Fader Listen (PFL)

See the documentation for your specific workstation for details on Solo modes.

Wheel Sensitivity

(Pro Tools | Dock, Artist Control, and Artist Transport Only)

The sensitivity of the Jog Wheel and Shuttle Ring can be precisely adjusted using the Wheel Sensitivity sliders. The top two sliders pertain to the Pro Tools | Dock and Artist Transport, the bottom is the Jog Wheel for the Artist Control.

The center position is the default for each control. Click and drag a slider to move it right for faster response or left for a slower, more controlled movement. Click the Reset button to restore the center position.

The name of the currently focused application is shown above the sliders (the application that will be affected by adjusting Wheel Sensitivity). If the controls have been locked to a specific application, the display will list it and identify it as the application being adjusted. For more information on locking, see Lock to Application.

Global or Application Specific

Click to enable the Global option to maintain a single set of your Wheel Sensitivity settings to be available regardless of the current application.

Click to enable the Application Specific option to be able to have unique Wheel Sensitivity settings in each application you use. To store settings, switch to your other application, open EuControl Settings > General, and adjust the Wheel Sensitivity sliders for that environment.
**Preferences**

**Oled Dim Time**
This setting lets you set the amount of idle time before displays on the units are dimmed.

**Footswitch** *(Pro Tools | Dock, Pro Tools | S3, Artist Mix and Artist Control Only)*
You can connect a footswitch for hands-free punch in/out. Connect a footswitch to the 1/4-inch footswitch input on the back panel.

**To configure the Footswitch in EuControl:**
- In the Footswitch section of the Preferences tab, click to select the desired Punch In and Punch Out assignments:

**Record | Record**
When the application is rolling, pressing the footswitch once punches into recording on record enabled tracks. Pressing the footswitch again takes the track(s) out of record but does not stop the transport.

**Record | Play**
Pressing the footswitch once punches into recording on record enabled tracks. Pressing the footswitch again stops the record pass (your DAW may or may not automatically take the track out of record on stop; see the documentation for your application).

**Status**
Shows whether the footswitch state is currently on or off.

💡 The S3 also lets you assign its footswitch to engage Talkback. For more information, see the Pro Tools | S3 Guide.
S3 VCA Spill
(Pro Tools | S3 Only)

Single-Master Mode (S3 + Dock)
These settings let you specify where VCA Masters appear when spilled on systems that include an S3 and a Dock:

Assign VCA Master to Dock  Spilling a VCA Master assigns the spilled master to the fader strip on Pro Tools | Dock.
Assign VCA Master to S3  Spilling a VCA Master assigns the spilled master only to S3, not to the Dock.

Multi-Master Mode
These options determine VCA Spill behavior in Multi-Master Mode, as follows:

Assign VCA Masters to Channel Strips 9–16  When selected, up to eight VCA Masters are assigned to S3 channel strips 9–16. Members of the selected VCA Master are spilled to channel strips 1–8 in banks of eight channels.
Assign VCA Masters to Channel Strips 13–16  When selected, up to four VCA Masters are assigned to S3 channel strips 13–16. Members of the selected VCA Master are spilled to channel strips 1–12 in banks of 12 channels.

VCA Spill Overrides Layout
By default, if you spill a VCA while a Layout is recalled, the spilled VCA member tracks replace all tracks from the Layout. Un-spilling the VCA returns fader strips to their previous assignments from the Layout.
You can defeat this behavior in the Preferences tab of EuControl Settings. When the VCA Spill Overrides Layout setting is disabled, member tracks of a spilled VCA only spill to any <auto assigned> strips in the current Layout. If the current Layout has explicitly assigned tracks to all 16 S3 fader strips, no member tracks will be visible.

Auto Spill VCA from Control App Attention
When enabled, attentioning a VCA in the Pro Tools | Control app spills that VCA across S3, Artist Mix, or Artist Control. When a Dock is present, spill and Master follow current S3 VCA Spill settings.

Surface Brightness Control
The settings in this section let you control brightness for Artist Control LCD screens and for the Pro Tools | Dock switch LEDs.

Artist Control LCD Screen:
Adjusts the brightness of the LCD screen on Artist Control (only). To increase brightness, adjust the slider to the right. To decrease, adjust to the left.

Pro Tools | Dock:
Adjusts the brightness of the switch LEDs on Pro Tools | Dock (only). To increase brightness, adjust the slider to the right. To decrease, adjust to the left. Setting the slider to the far left turns all switch LEDs off.

Miscellaneous
Shift + Fader Sets Level to 0dB
When enabled, holding SHIFT and touching a fader sets the fader to 0dB. Surface SHIFT-lock does not apply (Surface SHIFT must be pressed).
Assign

The Assign tab lets you manage how tracks are assigned to S3 or Artist Mix fader strips. Only Lock to Application is applicable to the Control app if you are using the app standalone.

Display Application’s Track Numbers

Enabling this option lets EuControl display track numbers as assigned by the currently selected (in focus) application (if that application supports track numbers).

Clear All Assignments

Clears all currently displayed assignments.

Lock to Application

This feature lets currently connected surfaces stay locked to the application listed at the top-left of the dialog even when that application is not top-most.

Entire Surface Select this checkbox to lock any currently connected surfaces to the listed application.

Transport Select this checkbox to lock the transport controls of any currently connected surfaces to the listed application.

Monitor and Control Room Not applicable for the Control app.
**Layouts**

Use the Layouts tab recall and rename custom fader layouts created on S3 or Artist Mix. You can also Clear selected Layouts, and Clear all Layouts. See Managing Layouts for more information.

![Layouts tab](image)

*Layouts are created and temporarily stored in EuControl as long as the current session or project is open. To be able to recall your layouts, be sure to save your session or project in your workstation application.*

**Soft Keys**

The Soft Keys tab provides options for viewing, editing, and creating new Soft Key assignments for Avid media controllers. For information on using Soft Keys with the Control app, see Customizing Soft Keys.

**Restart EUCON Applications**

If you are having trouble connecting your surface to your DAW, use the Restart EUCON Applications command.

To restart all EUCON applications (including EuControl software):

- On Mac, click the EuControl icon on the taskbar and select Restart EUCON Applications, then click Yes.

- On Windows, click the EuControl icon in the Task or System tray (Windows) and select Restart EUCON Applications, then click Yes. Unused icons will be shown in the Hidden icons view.

All EUCON applications are restarted, including EuControl.
Customizing Soft Keys

The Control app provides two sets of default Soft Key assignments when used with Pro Tools or other EUCON-aware applications.

- The **Primary Soft Keys** appear across the bottom of the Control app when the Toolbar **Soft Keys** button is enabled. Each page has 12 Soft Keys slots.
- Additional Soft Keys can be accessed when the **Soft Keys View** button (in the upper Tab bar) is enabled. Each page in Soft Keys view provides four rows of six Soft Keys, and over one hundred pages are supported.

Using EuControl software, you can **reassign existing Soft Keys**, or, if you want to keep the default assignments, you can find a blank slot and **add your own**. You can also **undo** assignments.

⚠️ The Control app and Artist Control share all Soft Key assignments, so changes to Soft Key assignments for the Control app affect any existing Artist Control Soft Key assignments, and vice-versa. If using these controllers simultaneously, only use the Soft Keys on one or the other; do not switch back and forth between Soft Keys on the Control app and Artist Control.

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**Viewing Soft Key Assignments in the Soft Key Editor**

**To view assignments in the Soft Key Editor:**

1. Launch Pro Tools and confirm that EuControl is connected to the Control app, indicated by a lit EuControl icon in the Menu Bar (Mac) or the System Tray (Windows).
2. Click the EuControl icon on the Menu bar (Mac) or double-click the EuControl icon in the system tray (Windows), then select **EuControl Settings**.
3. In the EuControl Settings window, click the **Soft Keys** tab.
4. Do either of the following:
   - To view assignments for the primary Soft Keys, click the **Section** selector and choose **Surface**.
   - To view assignments for Soft Keys view, click the **Section** selector and choose **Touchscreen**.

The Soft Keys currently assigned to the first page of the selected Soft Keys on the Control app are shown.

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EuControl Settings Soft Keys tab showing the first page of primary Soft Keys assignments
5 To view other pages of Soft Keys, click the Page selector and choose another page from the pop-up menu.
   • On pages with Soft Keys already assigned, you can reassign these Soft Keys.
   • On pages with blank Soft Key slots, you can add new Soft Key assignments.

Load and Save As for Soft Keys

The Soft Keys tab of EuControl Settings provides Load and Save As controls. Use these to save and load your custom appsets.

![EuControl Settings](image)

*Load, Save, and Save As in the Soft Keys tab of EuControl Settings*

Note that when saving edited appsets using the (previously available) Save button, EuControl automatically names the saved appset to ensure it is compatible with that application. This ensures EuControl will automatically load the correct appset for the currently focused application. When using Save As, the name of the focused application must be included in the file name of the appset. For example, saving a Pro Tools 2018.1 appset on Windows as “Pro Tools.xmls” is a compatible file name, while “myappset.xmls” is not compatible.

To load a saved appset file, press Load. All compatible appset files are available for loading.

Reassigning a Soft Key

You can reassign a Soft Key from its default assignment. The following instructions use a primary Soft Key as an example, but the same steps apply for reassigning a Soft Key in Soft Keys view.

To reassign a Soft Key for Pro Tools:

1. Launch Pro Tools and confirm that EuControl is connected to the Control app.
2. Click the EuControl icon on the Menu bar (Mac) or double-click the EuControl icon in the system tray (Windows), then select EuControl Settings.
3. Click the Soft Keys tab.
4. Click the Section selector and choose Surface.
5. Click the Page selector and choose the page that contains the Soft Key you want to reassign.
6. Double-click the Soft Key you want to reassign. The Soft Key Command Editor window opens, showing the current assignment.

![Soft Key Command Editor](image)
To reassign the currently selected Soft Key, click a different command. For example, click Off in the third (right-most) list in the Details area. You can also click to make a new selection in the first (left-most) or middle Details list (such as File Menu, Edit Menu, and so on) to access other choices, as available.

![A new assignment shown in the Command Editor](image)

Close the Soft Key Command Editor and return to the EuControl Settings window.

Click the Save button in the Soft Keys tab to save the assignments. The next time you launch EuControl, your custom assignments are recalled.

💡 If you do not save assignments, EuControl software retains your assignments until you Quit (Mac) or Exit (Windows) the EuControl application. EuControl then recalls the default Appset the next time you launch EuControl.

### Adding a New Soft Key Assignment

You can add a new Soft Key assignment to a blank Soft Key.

**To add a new assignment:**

1. Launch Pro Tools and confirm the EuControl is connected to the Control app.
2. Click the EuControl icon on the Menu bar (Mac) or double-click the EuControl icon in the system tray (Windows), then select EuControl Settings.
3. Click the Soft Keys tab.
4. Do either of the following:
   - To view assignments for the primary Soft Keys, click the Section selector and choose Surface.
   - To view assignments for Soft Keys view, click the Section selector and choose Touchscreen.
5. Click the Page selector and choose the page that contains the Soft Key you want to assign.
6. Double-click the Soft Key to which you want to add an assignment.
7. In the Command area, click Add and choose EUCON.

![Adding a new EUCON command](image)
After you add a EUCON command, choices appear in the Details area.

8 Click an item in the left-most list (level 1) within the Details area to reveal associated commands in the middle column.

9 Click a command to assign a command, or click an item with an arrow to reveal more commands in the third column and assign as necessary.

10 Close the Soft Key Command Editor and return to the EuControl Settings window.

11 Click the Save button in the Soft Keys tab to save the assignments.

### Undoing Soft Key Assignments

If you’ve made changes to Soft Key assignments, the Soft Key Editor gives you the option to revert (undo) all Soft Key assignments since the last time you saved your assignments, and restore Soft Key assignments to factory default assignments.

**To revert (undo) all assignments:**

* Click the Revert button in the Soft Keys tab.

**To restore assignments to their factory defaults:**

* Click the Restore button in the Soft Keys tab.

### Adding a Custom Key Command

You can invoke a keyboard shortcut that has no pre-defined function in EuControl using the Soft Key Editor. The following workflow shows how to assign the Pro Tools shortcut for halving the length of an Edit selection (Command + Control + Option + Shift + Left Arrow on Mac, and Ctrl + Alt + Start + Shift + Left Arrow on Windows) to a Soft Key on the Control app.

💡 You can use the Pro Tools Shortcut Guide to find the relevant Pro Tools shortcuts for your operating system.
To assign a custom key command:

1. In the Soft Key Editor, do the following:
   - If the Soft Key already has an assignment, select the assignment in the Command list then press Delete.
   - Click Add and choose Key.

2. In the Details area, select Control, Shift, Alt/Opt, and Win/Cmd, then enter “L” in the field below.

3. Close the Soft Key Command Editor and return to the EuControl Settings window. Now, pressing the assigned switch halves the length of the current Edit selection in the Pro Tools Edit window.

4. Click in the Soft Key Label field and enter a name for the Soft Key assignment.

5. Click the Save button in the Soft Keys tab to save the assignment.

Multiple EUCON Commands in Soft Keys

Soft Key assignments can include multiple EUCON commands, one of which can have Command Feedback Active enabled.

To add a Soft Key assignment:

1. Navigate EuControl to the Soft Keys tab.

2. Click the Section selector and choose the section of switches containing the switch you want to assign.

3. On-screen, double-click the switch you want to assign. The Soft Key Command Editor window opens.

4. In the Command area, click Add and choose EUCON.
   After you add a EUCON command, choices appear in the Details area.

5. Click an item in the left-most list (level 1) within the Details area to reveal associated commands in the middle column.

6. Click a command to assign it, or click an item with an arrow to reveal more commands in the third column and assign as necessary.

7. Repeat the previous steps to add additional EUCON commands to the Soft Key assignment.
**Command Feedback Active**

When Soft Key assignments include multiple EUCON commands, you can specify which command should be indicated on the Soft Key and/or controller LED by enabling the **Command Feedback Active** option for that command. When enabled, your controller displays status indication of the corresponding EUCON command. This option, located in the Details area of the Soft Key Editor, can only be enabled for a single EUCON command in each Soft Key definition.

Availability and status of this option varies depending on the associated command.