



# What's New in EuControl 2022.12

For Avid EuControl Control Surfaces



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# Chapter 1: Introduction

This document describes the new and changed features in EuControl software version 2022.12 for Avid S1, S3, Dock, Control app, and Artist Series media controllers for Avid Pro Tools® and other EUCON™-aware applications.

For information about fixed and known issues, see [EuControl 2022.12 Release Notes](#). To get the latest version of EuControl software for the Control app, S1, S3, Dock, and Artist Series, download it from your [Avid Account](#).

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## System Requirements and Compatibility

Avid can only assure compatibility and provide support for hardware and software it has tested and approved. For the latest information about operating system requirements, compatible DAWs and other applications, and links to additional resources, visit [EUCON Compatibility](#).

**DAW Compatibility** At the time of this writing, EuControl Software v2022.12 is compatible with the following (or later versions):

- Avid Pro Tools Intro, Artist, Studio, or Ultimate 2022.9 (Pro Tools 2022.12\* required for some features and fixes)
- Adobe Audition and Premiere
- Steinberg Nuendo 11 and Cubase 11 and later
- Apple Logic 10
- Magix Sequoia 14
- Merging Pyramix 8.x (Native only), Pyramix 9.x and later
- Avid XMON S6
- Pro Tools | MTRX, and ProMon (DADman) for Pro Tools | MTRX, MTRX Studio, and NTP Technology AX32

**\*Pro Tools 2022.12 and Native Apple Silicon** Be aware of the following when using Pro Tools 22.12:

- When running Pro Tools 2022.12 or later natively on Apple Silicon Macs, the previously available **Ethernet Controllers** tab in Pro Tools **Setup > Peripherals** is no longer provided (use the EUCON controls in the Edit window Toolbar to toggle EUCON on or off, and to see status as described in [Enabling EUCON in Pro Tools 2022.12 and Later](#)).
- When running under Rosetta the Ethernet Controllers tab remains available to enable EUCON (in addition to the new Edit window Toolbar controls for EUCON).

**Avid Control and EuControl Compatibility** To get all the latest features and most reliable performance, keep Avid Control and EuControl software at the same versions (such as Avid Control 2022.12 and EuControl 2022.12). Beginning with EUCON 2022.12, the previous (older) version of Avid Control can be used with the next higher version of EuControl software (such as Avid Control 2022.9 with EuControl 2022.12). This makes it easier to take advantage of automatic software update utilities without worrying about temporary compatibility issues while waiting for the Control app to be processed and published on-line by the hosting site (such as the App Store). When using a previous Avid Control with newer EuControl software, functionality will be limited to the feature set available in that version of Avid Control for iOS and Android, and stability may be less reliable than when all versions are the same.

**EUCON Development Partners** For setup and configuration instructions for several applications from EUCON Development Partners, see the *EUCON Application Setup Guide.pdf*, available for download from your Avid account. Please note that while these applications are EUCON-enabled, the extent of integration with Avid control surfaces and supported software versions are at the sole direction of the respective manufacturer. For details, please contact the manufacturer.

**macOS Privacy Settings** On macOS 10.15 (“Catalina”) and later you will be prompted to add applications such as EuControl, MC\_Client, and Pro Tools to the Privacy list in System Preferences. If so, follow the on-screen instructions to add them (if you do not, EuControl will not run).

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## Software Installation

To install your controller as well as EuControl software, follow the instructions in the most recent editions of the following guides for your unit(s):

Guide	Description
<b>Avid Control Guide.pdf</b>	Installation instructions, overview of controls and features, and hardware specifications
<b>Avid Dock Guide.pdf</b>	Installation instructions, overview of controls and features, and hardware specifications
<b>Avid S1 Guide.pdf</b>	Installation instructions, overview of controls and features, and hardware specifications
<b>Avid S3 Guide.pdf</b>	Installation instructions, overview of controls and features, AVB audio capabilities, and hardware specifications
<b>Using EuControl Surfaces.pdf</b>	Comprehensive operations guide for all controllers that explains track and session basics, recording, plug-ins and sends, mixing, and more including explanations of all EuControl Settings and examples of how to use and customize Soft Keys
<b>EUCON Application Setup Guide.pdf</b>	Setup and configuration instructions for applications from EUCON Development Partners
<b>EUCON Networking Guidelines.pdf</b>	Guidelines and diagrams for suggested configurations for best network performance.

You can download all EuControl documentation from this article on our Knowledge Base: [EUCON Product Guides](#)

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## About this Guide

All of our guides use the following conventions to indicate menu choices and key commands:

Convention	Action
File > Save	Choose Save from the File menu
Control+N	Hold down the Control key and press the N key
Control-click	Hold down the Control key and click the mouse button
Right-click	Click with the right mouse button

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

The names of switches and keys on the control surface are shown in bold (such as **Select**). In addition, the **SHIFT** switch on S1, S3, and Dock is always shown in bold to distinguish it from the Shift switch on the computer keyboard.

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.*

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## 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 on a subject heading to jump to that page.
  - Click a + symbol to expand that heading to show subheadings. Click the – symbol to collapse a subheading.
- 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.
- All cross references in [blue](#) are active links. Click to follow the reference.
- Select Find from the Edit menu to search for a subject.

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## Resources

The Avid website ([www.avid.com](http://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, Product Registration, and License Activation

Activate your product to access downloads in your Avid account (or create an account if you don't have one). Activate your software license here:

<https://my.avid.com/products/redemption>

### Get Started Fast Video Tutorials

Watch video tutorials for the Control app, Dock, S1, S3, and other EuControl products on YouTube:

[Get Started Fast with Pro Tools | Control, S3, and Dock](#)

[Avid S1 Playlist](#)

For S6, check out the new [Avid Pro Tools | S6 Workflows](#) and original [Get Started Fast with S6](#) video tutorials.

You can find more videos, including the latest workflow tutorials, on the Avid website. Go to [www.avid.com](http://www.avid.com), view Products and select Pro Mixing. Follow the links for your controller and check the Learn and Support listings for video resources.

### Support and Downloads

Contact Avid Customer Care (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. For example, for Pro Tools | Control resources visit:

<https://www.avid.com/learn-and-support>

For user guides for Avid Control, S1, S3, Dock, and Artist Series media controllers, visit:

[EUCON Product Guides](#)

For setup and configuration instructions for several applications from EUCON Development Partners, see the *EUCON Application Setup Guide.pdf*.

For S6 support, trouble-shooting, and downloads, visit:

[Avid S4 and S6 Support](#)

### Products and Developers

Learn about Avid products; download demo software or learn about our Development Partners and their plug-ins, applications, and hardware. <https://www.avid.com/Products/index.html>

### News and Events

Get the latest news from Avid or sign up for a demo.

# Chapter 2: New Features in EuControl 2022.12

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# Enabling EUCON in Pro Tools 2022.12 and Later

When running Pro Tools 2022.12 or later natively on Apple Silicon Macs, the previously available Ethernet Controllers tab in Pro Tools Setup > Peripherals is no longer provided (use the EUCON controls in the Edit window Toolbar to toggle EUCON on or off, and to see status).

When running under Rosetta the Ethernet Controllers tab remains available to enable EUCON (in addition to the Edit window Toolbar controls for EUCON introduced in Pro Tools 2022.12).

### To show EUCON controls in the Edit window:

- 1 Do one of the following:
  - Click the Edit Window Toolbar menu (in the upper-right corner of the window).
  - Right-click in the Toolbar.
- 2 From the menu, select EUCON.



Selecting EUCON in the Edit window Tool bar menu

EUCON controls are shown in the Tool bar.



EUCON in the Edit window Tool bar

### To turn EUCON on or off:

- Click the EUCON button. EUCON is enabled when the background is lit green with black text.

The Status LED indicates EUCON communication status as shown in the image and table below (you can also hover over the LED to view a Tool Tip, if enabled in Pro Tools Preferences):



EUCON status indication

Pro Tools EUCON Status Indication

Image	Status
1	EUCON is off (not enabled)
2	EUCON is enabled but not connected to an Avid control surface
3	EUCON is enabled and connected to a control surface
4	EUCON is enabled but a communication or connection failure may have occurred (this warning clears after 5 seconds)
5	EUCON is enabled but an unrecoverable error has occurred (such as a network packet loss, crash of EuControl, or other). The indicator flashes red until clicked, after which it stays lit red until the error is resolved.



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## EuControl Software

The following features and improvements are provided in EuControl Software 2022.12.

### Toggle Input Monitor

(Improved Rec/A Switch Mode Settings for Dock, S1, S3, Artist Mix, and Artist Control)

The strip **Rec/A** switch can be configured in EuControl Settings > General to provide different pairs of functions in its primary and **Surface SHIFT** layers. Available functions include Automation mode cycling and track Record Enable toggle, or the default track Record Enable and track Input Monitor toggle.



*Rec/A Switch setting in the General tab of EuControl Settings*

The following table lists the layers and functions for the **Rec/A** switch.

*Rec/A Switch Settings and Functions*

Setting	Layer	
	Primary Function	Surface SHIFT Function
Record / Input Monitor (+ SHIFT)	Automation mode	Track Record Enable
Automation mode / Record (+ SHIFT)	Track Record Enable	Track Input Monitor

When a track is Input Monitor enabled, the strip OLED displays a letter “i.”



*This global setting applies to the switches labeled **Rec/A** on the Dock, S1, and S3, and labeled **Rec/Auto** on Artist Mix and Artist Control.*

**Soft Key for Rec/A** The REC Auto Switch setting is available as a Surface command in the Soft Key Command Editor. If you used the previously available Surface Soft Key labeled Rec-Auto Changes Automation, + Shift Enables Rec, it toggles between the two new switch modes described above.

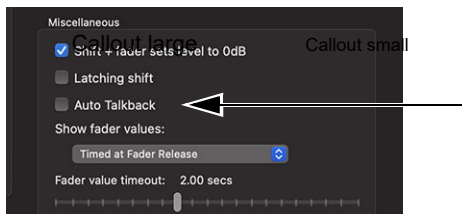
### Auto Talkback

You can enable Auto Talkback in EuControl Settings > Preferences for hands-free Talkback on/off.



*Talkback audio and control must be provided by the hardware or software monitor controller such as Pro Tools | MTRX.*

**Auto Talkback** When enabled, the Talkback mic automatically mutes while the Transport is playing or recording. When the Transport is stopped, in shuttle, rewind or any mode other than play or record, Talkback is unmuted and on. Pressing the **Talkback** switch overrides this setting.



*Auto Talkback setting in EuControl Settings > Preferences*

### Improved Modifier Key and Soft Key Performance

Modifier keys (such as the Control, Option (macOS only)/Alt (Windows only) follow DAW and workstation focus, switching to the keys appropriate for the currently focused OS (operating system). This includes modifier switches on hardware such as S1, and on-screen in the Avid Control app.

Pro Tools and other EUCONized applications support EUCON modifier keys directly. When using a DAW or other application that does not have EUCON modifier keys, OS keyboard modifiers are used instead.

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## All Surfaces

EuControl 2022.12 provides expanded control over which function is focused when selecting different tracks.

### Function Recall Mode

#### S1, S3, Artist Mix and Artist Control

The Function Recall Mode setting in EuControl Settings > General lets you optimize function display on hardware surfaces when selecting (attentioning) different tracks. You can have each newly selected track display the same function (such as EQ or pan) that you were editing on the previous track, or have the surface remember unique function views per Track Type, or for each track individually.



*For similar functionality in the Control app, configure the setting Function Recall Mode in Settings > Channel View. (See [Improvements for Function Views while Navigating Among Track Types](#).)*

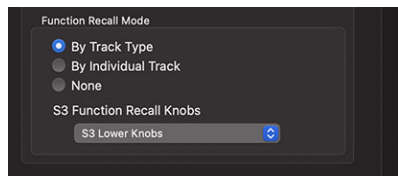
**To configure Function Recall Mode:**

- 1 Go to EuControl Settings > General.
- 2 Choose an available Function Recall Mode setting:

**By Track Type** Remembers and restores different functions per track type (such as Audio, Auxiliary, or Instrument).

**By Individual Track** Each track's function is remembered.

**None** The current function is retained regardless of track selection or track type.



*Function Recall Mode settings in EuControl Settings > General*

- 3 If using an Avid S3, choose the desired row of knobs (Upper or Lower) to apply the current Function Recall mode.

### Pan Auto-Switches Channel Mode

You can enable the Pan auto-switches Channel mode setting to more quickly access surround panning parameters directly from the surface. When enabled, entering Pan mode automatically enters Channel mode.

### Show Me (Eye) Mode

Show Me mode lets you view the current switch assignment in the Soft Keys tab of EuControl Settings.

On surfaces that support Show Me mode (also known as “Eye” mode) such as the Dock, S3, and Artist Transport, the Show Me switch(es) always function in latching mode.



*In previous versions of EuControl, some surfaces supported either momentary or latching.*

**To use Show Me mode:**

- 1 Press and hold the **Show Me** switch.
- 2 Press a Soft Key to see or edit its assignment in the Soft Keys tab of EuControl Settings.
- 3 To exit, press the **Show Me** switch again.

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## Avid Control

New features and improvements in Avid Control 2022.12 include the following:

- [Avid Control and EuControl Compatibility Improvements](#)
- [Plug-In Copy and Paste](#)
- [Custom Knob Map Improvements](#)
- [Views Bank Independently](#)
- [Improvements for Function Views while Navigating Among Track Types](#)
- [Layouts and Filters Selector](#)
- [Soft Keys for Avid Control Track Filters](#)

### Avid Control and EuControl Compatibility Improvements

Beginning with EuControl 2022.9, the previous version of Avid Control can be used with the current version of EuControl software. This prevents the possibility of incompatible versions immediately after an official release of EuControl software due to the delay between Avid official release and when the App Store, GooglePlay, and other sources make Avid Control available.

When an older version of Avid Control is added to the My Surfaces list in a newer version of EuControl, the following warning is displayed: “You are trying to connect a previous version of Avid Control to EuControl. This can cause unwanted behavior. Please update when possible.” Tap OK to dismiss the dialog.

### Plug-In Copy and Paste

Avid Control lets you copy plug-in settings and paste them to the same plug-in on a different track.

**To copy and paste plug-in settings:**

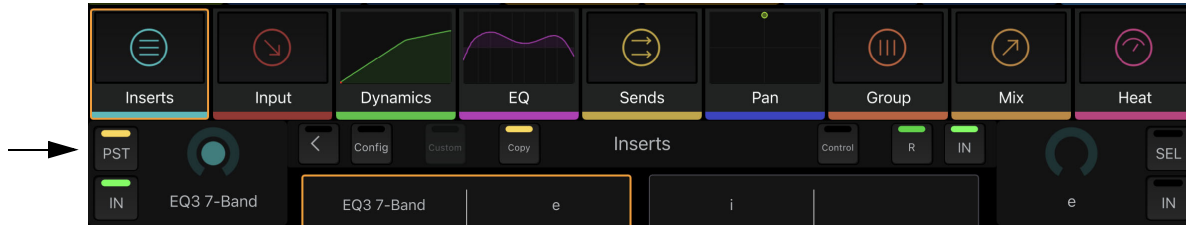
- 1 In Avid Control, go to Channel view and tap the Inserts, EQ, or DYN function.
- 2 Make sure the desired Pro Tools plug-in you want to copy is the Target plug-in window (bulls-eye lit red). Open the plug-in whose settings you want to copy and make sure its bulls-eye is lit, or press the Sel button next to the plug-in you want to copy.
- 3 Press the Copy button. While still focused on the same (source) track, Copy flashes yellow, indicating you have copied settings.



*Copying plug-in settings*

- 4 Navigate Channel view to the desired destination track, and if necessary press the Inserts function block to display the top level Inserts view. In Avid Control, the Copy button flashes orange and the SEL button changes to PST, indicating settings from the copied track are ready to paste.

- 5 In the block for the desired destination plug-in, press its PST button to paste the copied settings. The Copy button continues to flash, indicating that the settings can be pasted into the same plug-in on other tracks.



PST button in Channel view

#### To clear the Copy buffer:

- 1 If the Copy button is flashing yellow press the Copy button to clear.
- 2 If flashing orange pressing the Copy button clears the buffer and copies the current plug-in. Pressing one more time will turn it off and clear the buffer.

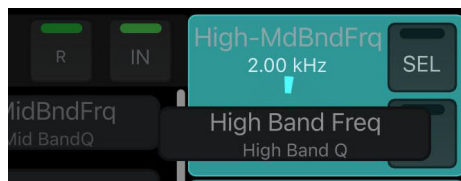
## Custom Knob Map Improvements

### (Pairing Parameters to Knobs)

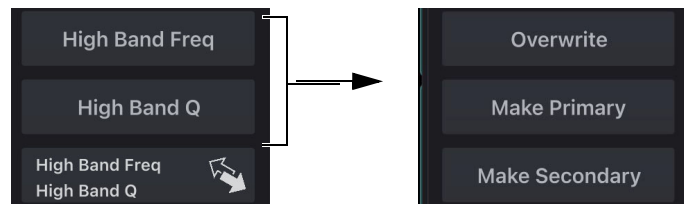
You can pair any parameters from the same plug-in onto the same Custom Knob to be able to switch between them by pressing the knob **Sel** switch. You can assign any parameters to any knob, such as having the frequency control of two different EQ bands available on the primary and secondary layer of a Custom Knob. When assigning multiple parameters to a knob (“peer” knobs) you can specify which should be the primary or secondary parameter.

#### To assign different parameters to the primary and secondary “Sel” layer of a custom knob:

- 1 Attention a track that already has a plug-in inserted, navigate the Control app to Channel view, tap Insert, then select a plug-in to select and open it.
- 2 Top Custom to enable Custom Knob mode (for instructions see the *Using EuControl Surfaces.pdf*).
- 3 Drag a parameter onto a knob (or select a parameter then tap the desired knob).
  - If you assign a single (no-peer) parameter to an empty knob, the parameter is assigned directly to that knob.
  - If you assign a single (no-peer) parameter such as EQ Output level to a knob that already has a single parameter assigned (such as EQ Input level) you can choose to **Overwrite** (replace) the previous assignment, or **Make Secondary** to add the new parameter to the **Sel** layer on that knob.
  - If you assign a multi-parameter knob such as High Band Frequency to an empty knob you can choose to assign only that parameter’s primary or secondary function, or assign the parameters as peers (to toggle between them using the **Sel** switch).
  - If you assign a single parameter knob to a knob that already has a multi-parameter knob, you can choose to **Overwrite** (replace), **Make Primary** (to leave the previous secondary knob available using the **Sel** switch), or **Make Secondary** (to leave the previous parameter on the primary layer).
  - If you assign a multi-parameter knob (such as EQ3 High-Mid Frequency) onto a knob that already has a multi-parameter assignment you can choose which of the new parameters to make the primary or secondary assignment, or whether to assign both (new) peers and replace the previous assignment completely. Choosing a single parameter lets you choose whether to **Overwrite** (replace) the previous assignment completely, make the new single parameter the new primary parameter, or make the new single parameter the new secondary parameter on that knob.



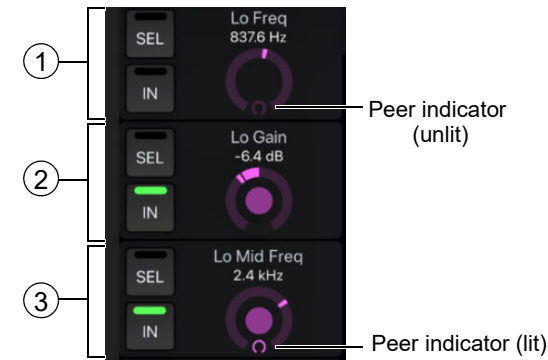
Select Action dialogs



Assigning multiple parameters to knobs in one gesture overwrites any assignments on the destination knobs. If a knob has a function on the knob **Sel** switch, that function is replaced by the new Custom Knob assignment.

**Peer Knob Indicators in Avid Control**

Knobs in Channel view indicate peer knobs as follows (refer to the figure and legend below):



Peer knobs in Channel view

Legend	Description
1	Shows the primary parameter on a knob with a peer (the Peer indicator is visible but unlit, indicating the primary parameter is currently focused).
2	Shows a single parameter on a knob (the Peer indicator is not visible, indicating only one parameter assigned to the knob).
3	Shows the secondary parameter on a knob with a peer (the Peer indicator is visible and lit, indicating the secondary (peer) parameter is currently focused).

**Panning Improvements**

**Adjusting Height in Avid Control**

While surround panning in Channel view you can use two-finger pinch and stretch gestures to control Height at the same time.

To pan in surround:

- 1 Attention a track that has a multi-channel output or send, then focus Channel view on the panner for that track.
- 2 Touch the pan dot and move it left, right, forward or back (normal surround panning). While moving the pan dot with one finger, use another finger to “pinch” inward to lower Height, or outward to raise Height.

**Two-Finger Stretch to Increase Height**



**Two-Finger Pinch to Lower Height**



While pinching or stretching to pan and adjust Height an indicator shows the zoom direction and color of the pan dot being changed. If multiple pan dots are on the panner, the one closest to the center of your fingers will be focused.

## Views Bank Independently

The Views Bank Independently setting controls how banking and scrolling are or are not applied to other views on Master and Hybrid tablets (Meters tablets are unaffected).



*In previous versions of EuControl, this setting only affected tablets designated as the EuControl Master tablet, and did not affect tablets being used in Hybrid mode.*

When enabled, each view maintains its own unique channel banking. When not enabled, all views mirror each other (for example, banking Mixer view to tracks 1–8 also banks Tracks, Channel, and other views to tracks 1–8).

To reset views, double-click (or press and hold) the desired View tab. Banking in all views is reset to follow the selected view tab. For example, if Mixer view is on track 3 and Meters view is on track 8, you double-click Meters and Mixer also goes to track 8.

## Improvements for Function Views while Navigating Among Track Types

Channel view can remember and restore the last viewed function per Track Type, or for individual tracks. For example, on an audio track you can select the Pan function then focus Channel view on an Auxiliary Input track and select Sends. When Track Type is enabled, if you then focus back to the same (or any) audio track, Pan is displayed. Focus on any Aux and Sends are displayed. (You can also configure Channel view Function recall to Off, in which case whatever function you last accessed on any track or track type will remain focused in Channel view when you select any other track or type.)

**To configure Function recall:**

- 1 Tap the gear icon to open Settings, then tap to go to the Channel View settings.
- 2 Configure the Function Recall Mode setting.
  - Select TT to have functions stored and recalled by Track Type.
  - Select IT to have functions stored and recalled per each individual track.
  - Select OFF to have Channel view stay focused on the last chosen function.

## Layouts and Filters Selector

The Layouts and Filters selector shows the view selected the last time the Control app was used.

The Layouts and Filters selector defaults to Filters, for filtering tracks by Type in Avid Control views. You can also select Layouts to have quick access to your Layouts from the same selector. When Avid Control is launched it restores the default (Filters) view, or whichever was selected when the app was closed.

## Soft Keys for Avid Control Track Filters

Avid Control Track Filter choices are available in the Soft Key Command Editor as Surface commands for assignment to Soft Keys.

*Surface Soft Keys for Avid Control Track Filters*

Command	Level 1	Level 2	Level 3
Show Audio Tracks	Avid Control >	Track Filters >	Show Audio Tracks
Show MIDI Tracks	Avid Control >	Track Filters >	Show MIDI Tracks
Show Instrument Tracks	Avid Control >	Track Filters >	Show Instrument Tracks
Show Input Tracks	Avid Control >	Track Filters >	Show Input Tracks
Show Master Track	Avid Control >	Track Filters >	Show Master Tracks
Show Aux Tracks	Avid Control >	Track Filters >	Show Aux Tracks
Show Group Tracks	Avid Control >	Track Filters >	Show Group Tracks
Show VCA Master Tracks	Avid Control >	Track Filters >	Show VCA Master Tracks
Show Monitor Tracks	Avid Control >	Track Filters >	Show Monitor Tracks

Command	Level 1	Level 2	Level 3
Show External Tracks	Avid Control >	Track Filters >	Show External Tracks
Show Video Tracks	Avid Control >	Track Filters >	Show Video Tracks
Show Synth Tracks	Avid Control >	Track Filters >	Show Synth Tracks
Show Folder Tracks	Avid Control >	Track Filters >	Show Folder Tracks
Show All Tracks	Avid Control >	Track Filters >	Show All Tracks


## S1

EuControl 2022.12 provides two new S1 features related to Soft Keys.

- [Assigning Soft Keys for Multiple S1s](#)
- [Show Soft Keys on S1 Meters Tablets](#)

### Assigning Soft Keys for Multiple S1s


The eight Track Color keys on S1 at the bottom of each strip can be assigned uniquely on as many S1s are in the current configuration, up to the maximum of four, for a total of up to 64 available Soft Keys (32 primary and 32 **Surface SHIFT** assignments).

 In previous versions of EuControl software, all S1s mirrored the same 8 Soft Key assignments.

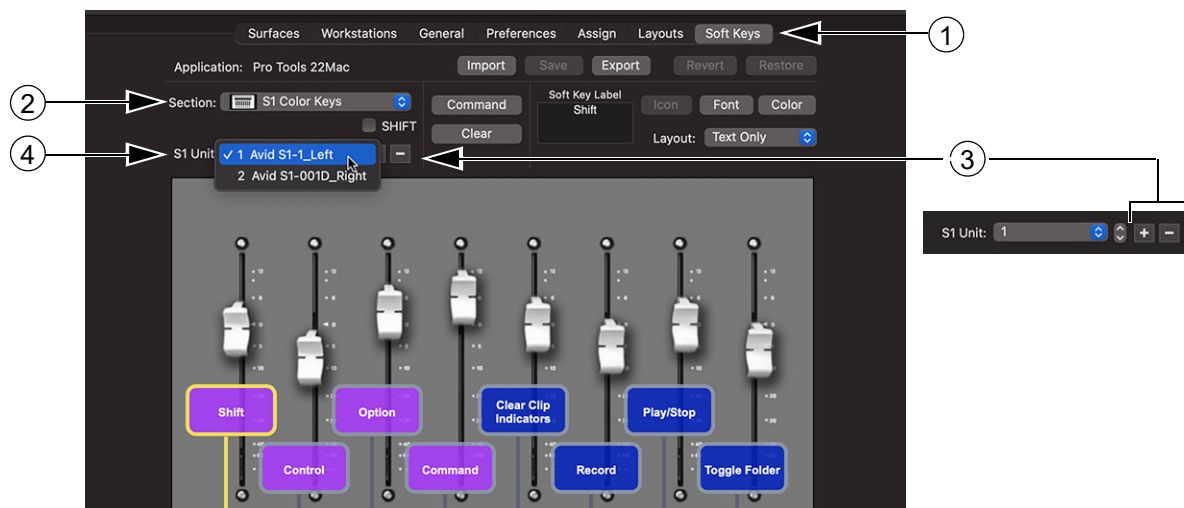
By default, S1 Soft Key assignments are displayed on linked Meters tablets (see [Show Soft Keys on S1 Meters Tablets](#)).

**To assign Soft Keys to multiple S1s.**

- 1 Go to EuControl Settings > Soft Keys.
- 2 Click the Section selector and choose S1 Color Keys.
- 3 By default only one S1 Page is enabled. With only one Page those eight Soft Keys are mirrored across all connected S1s. Press the S1 Unit plus sign (+) to add more pages up to a maximum of four pages.

 Only add as many pages as needed for each S1 in your configuration. Additional pages beyond the number of S1s can be added and populated, but will not be accessible unless more S1s are connected. Additional pages are maintained regardless of the number of S1 units.

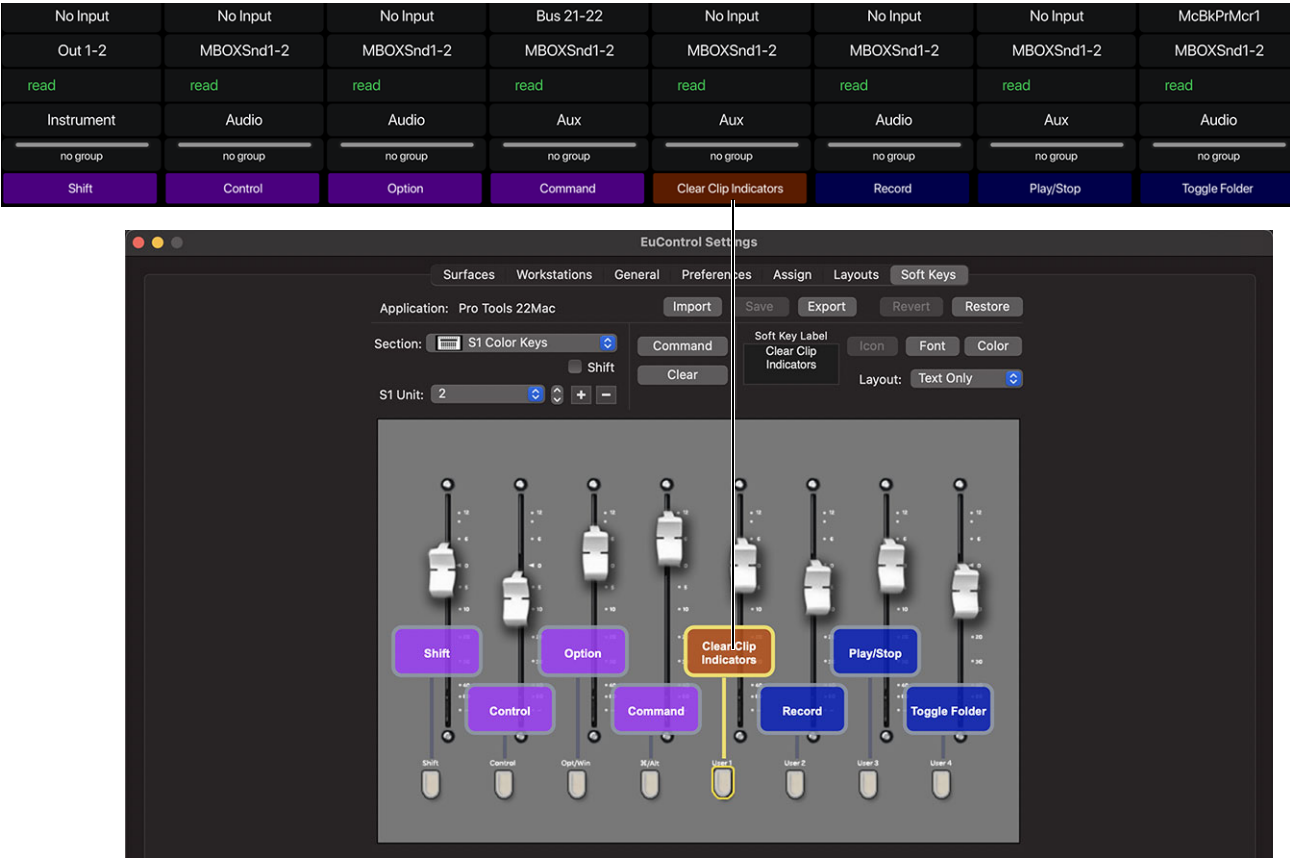
- 4 Click the S1 Unit selector to select the S1 you want to customize. Unit numbers 1–4 correspond to the order, top to bottom, of S1s in the My Surfaces list (EuControl Settings > Surfaces). Custom names, if any, are also included.



Adding Pages and Soft Keys for S1s



- 5 If desired, click to enable Shift (to assign to the **Surface SHIFT** layer).
- 6 On-screen double-click the Soft Key you want to reassign. The Soft Key Command Editor window opens, showing the switch's current assignment, if any.
- 7 Program the Soft Key as desired and set any display options, as available. For more information, see the *Using EuControl Surfaces.pdf*. In the example below, the S1 unit 2 Track Color key 5 has been customized to provide Clear Clip Indicators on its linked Meters tablet. In Avid Control, the default Meter Strip Designer displays Soft Keys assignments at the bottom of each meter strip.



Custom Soft Key on a Meters tablet (above) and in the Soft Key Editor (below)

- 8 If you want to revert to mirrored (the same 8 Soft Key assignments on all S1s) delete all pages except the one you want.

### Mirroring and S1 Soft Key Pages

Whenever there is a mismatch between the number of physical S1 units and the number of pages (1–4) of S1 Track Color Soft Key assignments, EuControl redistributes Soft Key assignments to S1 units as needed for maximum consistency. This can be required after adding or removing S1 units, or loading an appset with more or fewer assignments than S1 units in the current configuration.)

- If there are more soft keys assigned than S1s the assignments on S1 unit 1 are used (assignments from missing S1 units are still retained in the appset file).
- If there are fewer soft keys assigned than S1s, some assignments could be mirrored depending on how many pages (1–4) of Soft Keys are being loaded. For example, on a configuration with 3 S1s there are 3 banks of Track Color keys being used.

#### Examples of Soft Key Location with Hardware/Appset Mismatches

Soft Keys	Page 1 (S1 Unit 1)	Page 2 (S1 Unit 2)	Page 3 (S1 Unit 3)
8 (in slots 1–8)	1–8	1–8	
16 (in slots 1–16)	1–8	9–16	1–8
12 (in slots 1–12)	1–8	9–12 (13–16 blank)	1–8



## Show Soft Keys on S1 Meters Tablets

S1 Track Color Soft Keys can be shown on linked S1 meters tablets for easy visual confirmation of Soft Key assignments.

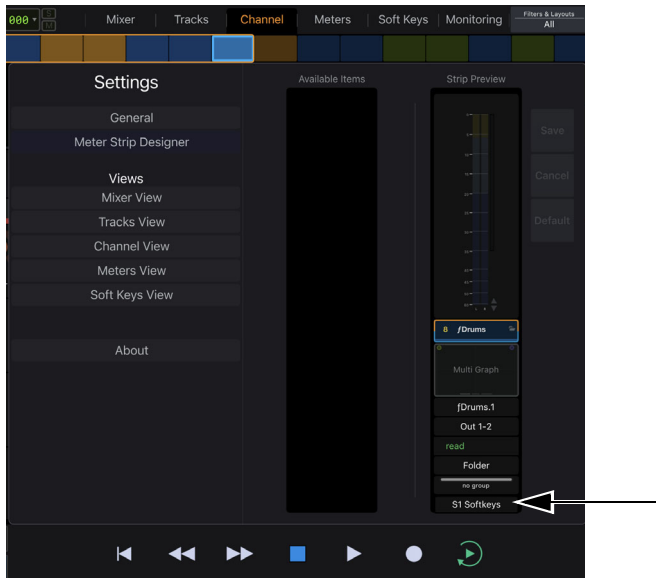
Soft Keys are available elements in the Meter Strip Designer, letting you choose to not display any Soft Keys on Meters tablets, or to place them anywhere in the vertical meter strip.

### To use an S1 Soft Key:

- Tap the Soft Key on the Meters tablet.
- Press an S1 Track Color key.

### To hide, show, or move Soft Keys on S1 Meters Tablets:

- In Avid Control, use the Meter Strip Designer to remove, add, or relocate Soft Keys in meter strips.



Soft Keys in the Meter Strip Designer

For more information on the Meter Strip Designer see the *Avid Control Guide.pdf*.

## Surface SHIFT Available as a Surface Soft Key

The **Surface SHIFT** switch is available as a Soft Key to be assigned to any available switch or key.

### Soft Keys for Avid Control Track Filters

Command	Level 1	Level 2	Level 3
Surface SHIFT	Surface Shift >	Left Shift	
		Right Shift	

If using S1, use either the Left or Right Shift command. If using a Dock you can assign the Left and Right Shift commands separately.

Assigning both Left and Right Shift to the same Soft Key lets you toggle Latching **SHIFT** (the same as toggling the setting in the Preferences tab of EuControl Settings, or pressing both Dock **SHIFT** switches simultaneously).

Among other benefits this also lets you put the EUCON Shift and **Surface SHIFT** onto the same switch so it does both Shifts at the same time.

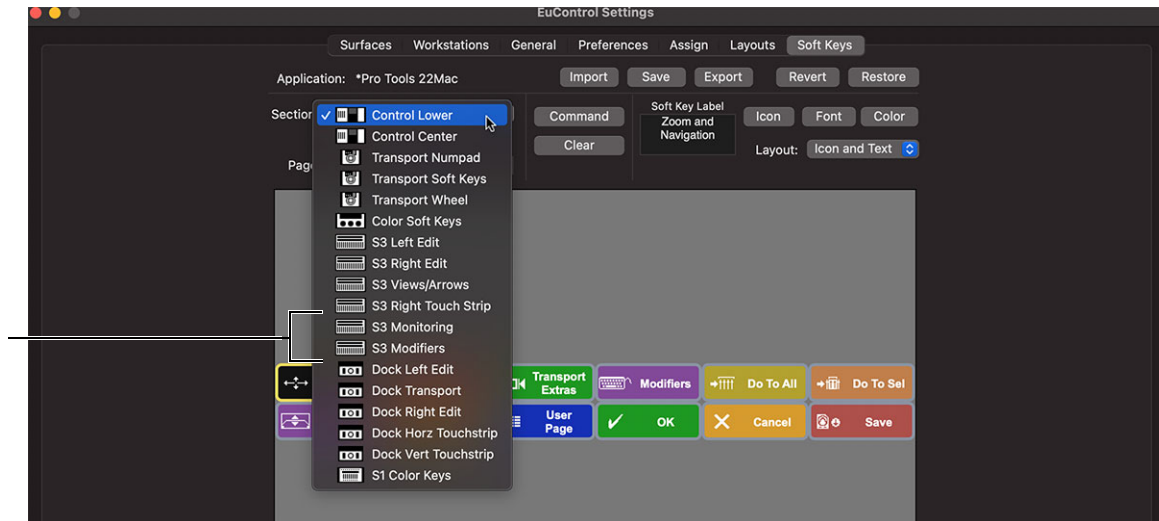
## Improved Modifier Keys

Beginning in EuControl 2022.12, while using Pro Tools all OS modifiers (such as Shift, Option, Alt, and Control) triggered from their default control surface switches are communicated through EUCON. This lets them stay locked to Pro Tools when configured to do so in the Assign tab of EuControl Settings. If you customize any default modifier switches, or when not using Pro Tools, modifiers are not able to be communicated through EUCON and may not stay locked, regardless of settings in the Assign tab.

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## S3 Soft Keys

You can customize switches in both the Monitor and Modifiers sections in the Soft Key Editor.



*S3 Monitors and Modifiers in the Section menu (EuControl Settings > Soft Keys)*

Note that in the Monitor section, the **Mix to Mons** switch cannot be customized.

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## Soft Keys

New features for Soft Keys include Initial Delay, plus new commands.

### Initial Delay

The Initial Delay setting in the Soft Key Command Editor lets you enter a value (in milliseconds) for the system to pause before executing the command. In multi-command Soft Keys, each command can have its own unique delay value.

#### To set an Initial Delay value:

- 1 Go to EuControl Settings > Soft Keys, then select the desired hardware controls from the Section selector. (For instructions, see the *Using EuControl Surfaces.pdf*.)
- 2 Double-click a Soft Key to open the Soft Key Command Editor.
- 3 Select a command in the Command list.
- 4 Double-click the value shown for Initial Delay value and enter a desired delay amount (in milliseconds).
- 5 Optional: Select other items in the Command list and repeat.

### New Commands

#### *Soft Keys for Avid Control Track Filters*

Command	Level 1	Level 2	Level 3
Show Audio Tracks	Avid Control >	Track Filters >	Show Audio Tracks
Show MIDI Tracks	Avid Control >	Track Filters >	Show MIDI Tracks
Show Instrument Tracks	Avid Control >	Track Filters >	Show Instrument Tracks
Show Input Tracks	Avid Control >	Track Filters >	Show Input Tracks
Show Master Track	Avid Control >	Track Filters >	Show Master Tracks
Show Aux Tracks	Avid Control >	Track Filters >	Show Aux Tracks
Show Group Tracks	Avid Control >	Track Filters >	Show Group Tracks
Show VCA Master Tracks	Avid Control >	Track Filters >	Show VCA Master Tracks
Show Monitor Tracks	Avid Control >	Track Filters >	Show Monitor Tracks
Show External Tracks	Avid Control >	Track Filters >	Show External Tracks
Show Video Tracks	Avid Control >	Track Filters >	Show Video Tracks
Show Synth Tracks	Avid Control >	Track Filters >	Show Synth Tracks
Show Folder Tracks	Avid Control >	Track Filters >	Show Folder Tracks
Show All Tracks	Avid Control >	Track Filters >	Show All Tracks

Plug-in Copy is also available (see [Plug-In Copy and Paste](#)).

Other newly available commands include [Surface SHIFT Available as a Surface Soft Key](#).

# Chapter 3: EuControl 2022.12 Release Notes

## for Avid S1, S3, Dock, Control app, and Artist Series Control Surfaces

This document describes the fixed and known issues in EuControl 2021.10 for Avid S1, S3, Dock, Avid Control app, and Artist Series control surfaces.

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## What's Fixed in EuControl 2022.12

### General

- Nudging to extreme right could lead to unexpected banking or bank indication (GWSW-15788)
- On Windows, the Show Fader Values menu could fail to function properly (GWSW-16235)
- Using a backslash '\' in the Summary of a Soft Key Command would not always save after closing the Soft Key Command Editor window (GWSW-16168)
- It was possible for a Soft Key command to fail to function correctly if any part of the command was reassigned while the switch or button was engaged or held down (GWSW-16171)

### Avid Control

- It was possible for Soft Keys to fail to function after swiping to change Soft Key pages in Avid Control or Avid Control Desktop (GWSW-16222)
- It was possible for Send knobs to fail to be displayed in Channel View after moving Sends slots in (GWSW-16217)
- It was possible for the Automation LED in Channel View to fail to flash while automation was writing (GWSW-16178)
- It was possible for Soft Keys to fail to update after being used for Assignable Knob (GWSW-15823)
- It was possible in Channel view for the Control selector to display unavailable commands (GWSW-15809)
- It was possible for Channel view to be unable to correctly communicate with the currently attentioned track if it was inside a closed Folder track (GWSW-15596)

### S1

- S1 Soft Key colors could fail to display correctly (GWSW-15857)
- It was possible for the Track Color keys to be difficult to fail to adequately display darker color assignments (GWSW-15698)

### S3

- When the Open Windows... settings were set to Channel mode, it was possible for functions from the lower knobs to be flipped to the upper knobs (GWSW-16134)
- Lower S3 **Aux** light could become unlit when touching a send on upper encoders (GWSW-16014)
- It was possible for the Upper OLEDs to incorrectly follow the Lower OLED mode when attentioning a new channel while the Lower knobs were in Channel mode (GWSW-15718)

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## What Was Fixed in Previous Versions of EuControl

What Was Fixed in EuControl 2022.6

## What Was Fixed in EuControl 2022.4

### Avid Control

- When using Avid Control on a phone in portrait mode, it was possible for the In indicator to remain lit at all times (GWSW-15678)
- In Custom Knob Assign mode, the view could jump back to page 1 after adding a new page (GWSW-15676)
- When changing the Pan Knob Color option, it was possible for the colors to not immediately update (GWSW-15536)

## What Was Fixed in EuControl 2021.10

### EuControl

- In EuControl Settings > Soft Keys, after switching to a different area using the Section pop-up menu, the **SHIFT** layer could become unable to be disabled (GWSW-15363)
- It was possible for the **Back** key to become unable to close Cubase/Nuendo plug-in windows (GWSW-15444)
- It was possible for meters to briefly appear frozen after enabling or disabling EUCON Monitor in Pro Tools (GWSW-15338)
- After first installing EuControl on Windows 10 (only), the Import Appset dialog could be shown twice (GWSW-15336)

### Avid Control

- It was possible for longer plug-in names to overlap the Custom button while in Custom Knobs mode in portrait view (GWSW-15296)
- It was possible for the Control app to switch to Mixer view after switching to/from Portrait mode (GWSW-15203)
- If Display Breaks on Track Color was enabled, changing the Number of Visible Tracks setting could result in tracks being displayed incorrectly (GWSW-15407)
- It was possible for knobsets to remain visible in Inserts view after removing a plug-in (GWSW-15242)
- Knob in Inserts knobset does not clear when corresponding plugin removed from insert slot in GUI (intermittent)
- In Custom Knobs mode in Portrait mode, after adding a 7th page the page block with “+” could be off-screen (GWSW-15246)
- Track Type filtering could fail to be updated or saved correctly when filtering individual track types (GWSW-15345)
- Top level Inserts indication could fail to show bypass status correctly (GWSW-15424)
- It was possible for the Trim LED to incorrectly continue to indicate Trim mode after setting the track Automation mode to OFF (GWSW-15435)
- Meters view could fail to display correctly while in Portrait mode after rotating the tablet if the Number of Visible Channel Strips option is set to 12 (GWSW-15286)
- It was possible for track information to remain visible after disabling EUCON in the Pro Tools Setup > Peripherals dialog (GWSW-14348)

### Avid Control Desktop

- When Avid Control Desktop was enabled to auto-launch it was possible that Avid Control Desktop would not be in focus after re-booting the computer (GWSW-15322)

### Avid Dock

- It was possible for the Dock Left Edit section to fail to provide page 2 (**Alt**) for third party applications (GWSW-15291)

### Avid S1 and S3

- It was possible for Automation indication on S1, S3, and similar OLED screens to become unreadable when that surface was in Channel mode and a track was in a Trim automation mode (GWSW-15423)
- It was possible for the upper OLED-s 10-16 to display incorrect labels such as “SCTM2” or “SCTM3” instead of being blank (GWSW-15330)

### Artist Series

- It was possible for the Jog wheel to remain on its previous assignment after assigning a new command to the wheel (GWSW-14354)

## What Was Fixed in EUCON 2021.6.1

- Apple July 2021 security update for Catalina and Mojave could cause EuControl OLED/TFT graphics to be drawn incorrectly (GWSW-15317)

## What Was Fixed in EuControl 2021.6

### EuControl

- It was possible for the My Surfaces list to incorrectly indicate tablet mode after dragging multiple units in at once (GWSW-14092)
- It was possible for EuControl to fail to trim unnecessary logs (GWSW-14747)
- It was possible to be unable to focus XMON EUCON after unlocking Pro Tools in the Assign tab (GWSW-15011)
- It was possible for EuControl Settings to indicate a footswitch as Normal Closed for Normally Opened switches after a restart (GWSW-15053)
- Multiple plug-in windows could open when using Shift in Pro Tools (GWSW-15080)

### Avid Control

- It was possible for the Brightness or Meter Height sliders to fail to adjust correctly (GWSW-14622)
- It was possible to activate Functions or Automation modes while scrolling in Mixer view (GWSW-14668)
- It was possible for Pan display to become unstable after changing track output to a bus after “no bus” (GWSW-14700)
- In Channel view, it was possible for the Automation mode indicator to show OFF after switching focus to Finder or another application, if the surfaces was not locked in the Assign tab (GWSW-14947)
- Fire HD: It was possible for connectivity to become unreliable (to resolve, on the Fire HD go to Settings > Battery > Automation Smart Suspend and disable Automatic Smart Suspend).

### Avid Control Desktop

- It was possible for meter segments (Mac) or incorrect characters (Win) to be displayed (GWSW-14654)
- It was possible for Avid Control Desktop on Windows to fail to connect when connected to EuControl remotely if the host Windows computer was also connected via Ethernet to the same network as the primary EuControl workstation (GWSW-14471)
- It was possible for meters to fail under certain conditions (GWSW-14805)

### Avid S1

- It was possible for S1 OLEDs to fail to update after changing Automation mode while the Enable Automation in Record preference was enabled in Pro Tools (GWSW-14025)

### Avid S3

- It was possible for Shift layer Soft Key LEDs to get out of sync (GWSW-14701)
- It was possible for the lower OLEDs to exit Channel mode when a plug-in window was opened in Pro Tools (GWSW-14703)
- It was possible for S3 OLEDS and knobs to respond slowly when attentioned (GWSW-14926)

## What was Fixed in EUCON 2020.11.1

### S4/S6

- The MTM app installer failed to update correctly (RELENG-3467)
- Dedicated Attention expand Knob Modules could turn off when Attention Expand Knob Modules were enabled (GWSW-14052)
- When spilling Folder Tracks that contained Child or Sibling Folders to a spill zone, it was possible for some Folder Tracks to remain open (GWSW-14677)

### Avid Control

- While focused on EQ Function, adding an EQ while ChannelStrip was the default EQ could switch the app to Dyn function (GWSW-14645)
- It was possible for Pro Tools to incorrectly show Avid Control visible tracks after reconnecting Avid Control (GWSW-14609)

- After bypassing EQ and then re-attentioning a track, it was possible for the In key LED for Channel Strip plug-in to remain lit (GWSW-14671)

### Avid S1 and Artist Mix

- Steinberg Nuendo and Cubase can now access Quick Controls and Filter from the S1 or Artist Mix surface:

*Accessing Quick Controls and Filter*

Function	
Quick Controls	Press and hold Aux/Group
Filter	Press and hold Pan/Mix

### Avid S3

After using changing the selection in Pro Tools, such as using the “;” shortcut, it was possible for the S3 In key LED to become unlit (GWSW-14670)

- It was possible for waveforms to fail to display consistently on Display Modules (GWSW-14027)
- It was possible for meters to fail to draw when toggling Attention Expand Faders (GWSW-12365)

### EUCON Development Partner Applications

- It was possible for values to jump to default when touched while Open Windows on Knob Touch was enabled (GWSW-14103)
- Digital Performer: It was possible for MIDI track faders to fail to function (GWSW-12484)

## What Was Fixed in EuControl 2020.11

### Avid Control

- In Channel view, tapping IN to bypass a plug-in could bypass all plug-ins on a newly attentioned track instead of bypassing only the currently focused plug-in (GWSW-14261)
- After moving surfaces in the My Surfaces list of EuControl Settings, it was possible for Layouts to be missing (GWSW-14213)
- GWSW-14212
- Focusing away and then back to Pro Tools while the Layouts Recall window was displayed could leave Tracks view dimmed (GWSW-14212)
- It was possible for Layouts to be offset after assigning from the Control app (GWSW-14171)
- It was possible for EuControl to incorrectly display “Avid Control Unit Limit Exceeded” after adding a Control app tablet as an S1 Meters tablet (GWSW-14020)
- In Channel View, it was possible for knobs to incorrectly light purple when in Inserts mode (GWSW-14047)
- In Channel view, double-tapping a Send Pan knob (to reset to default) could unintentionally switch the function to Pan (GWSW-13689)
- In Channel View, it was possible for the function graph to fail to update after adding an EQ or Dynamics insert (GWSW-13569)

### Avid Dock

- It was possible for both <Bank and Bank> switch LEDs to be lit after opening a session that had closed Folder tracks (GWSW-14087)
- GWSW-14016
- It was possible for the Bank switch LEDs to fail to correctly indicate banking position (GWSW-14016)

### Avid S1

- When a VCA was spilled on a system with multiple S1 units, the LED for the spilled VCA could flash (GWSW-14187)
- It was possible to be unable to spill a VCA on a system that had only a single S1 (GWSW-14186)

### **All Surfaces and Artist Series**

- While using Config mode to assign a Send it was possible for the last selected output name to be displayed instead of categories such as output and bus (GWSW-14162)
- It was possible for VCA Spill to revert back to the originally banked track while Select by Touch was enabled (GWSW-14096)

### **EuControl Software**

- Devices could remain in the All Surfaces list after being powered off, or minimized (GWSW-14208)
- It was possible for a workstation to not appear in the All list after being attached (GWSW-14163)
- Text for the Footswitch section in Preferences tab was not consistent between macOS and Windows (GWSW-14194)

### **EUCON Development Partner Applications**

- In some applications (such as Logic Pro and Cubase) version numbering could prevent Appsets from saving and loading correctly (GWSW-14466)
- Digital Performer: It was possible for tracks to appear in incorrect order on Avid Control in Master mode (GWSW-14069)
- Logic Pro: It was possible for the Avid Control app Channel view to become stuck at top level Functions after inserting plug-ins (GWSW-13980)

## **What Was Fixed in 20.6.1**

- When assigning tracks to Layouts from the Avid Control app while the Pro Tools session included hidden tracks or tracks within closed Folder Tracks, it was possible for incorrect tracks to appear in the Layout (GWSW-14182)
- Avid Control: Layouts could appear blank after focusing another application and then back to Pro Tools (GWSW-14211)

## **What Was Fixed in 20.6**

- It was possible for tracks in Pro Tools software to be unable to be taken out of Latch mode using S1 or Artist Mix (GWSW-14147)
- It was possible for automation writing to be delayed after pressing Play (GWSW-14123)

### **Avid Control**

- Opening a Folder Track that contained a large amount of tracks could take several seconds to open on slower tablets (GWSW-14109)
- The Display Break on Track Color setting for Tracks view could fail when using track view filters (GWSW-14121)
- Performance improvements were applied to Soft Keys View to prevent Soft Key buttons from drawing slowly or incorrectly
- Meter performance has been improved
- The (redundant) Store button has been removed from the Layout Store procedure

### **S3**

- When S3 was configured for Multi-Master mode, LED indicators could become unreliable

## **What Was Fixed in EuControl 20.5**

- It could take up to four seconds for automation to start being written or transport commands to be executed

### **EuControl Software**

- While all surfaces were locked to Pro Tools in the Assign tab, any change to the My Surfaces list could cause transport button LEDs to stop working (GWSW-13995)

### **Avid Control**

- When Channel view was set to show Tracks in upper section of portrait mode, the Display Breaks on Track Color setting could fail to be applied (GWSW-13802)
- After editing parameters on page 2 of Channel view and then attentioning another track with the same plug-in, Channel view could switch to page 1 (GWSW-13740)



- Channel View function graphs could fail to display after inserting EQ or Dyn plug-ins (GWSW-13570, GWSW-13556))
- In a session with a large number of tracks it was possible for a track to disappear from Mixer view after moving tracks (GWSW-13892)
- After renaming a track in Pro Tools it was possible for Channel view to fail to display the new name (GWSW-13829)
- It was possible for the wrong track to be displayed as attentioned after being moved in Pro Tools (GWSW-13777)
- Meters on tablets in Meters mode could fail to switch to green from blue (GWSW-13748)
- It was possible for meters to fail to operate while meter type was set to RMS (GWSW-13752)
- Abbreviations for Group and Track names needed improvement (GWSW-13694)
- Nuendo: It was possible for Functions 9-16 to fail to be displayed (GWSW-13773)

#### **S1, S3, Dock, Avid Control, and Artist Series with EuControl Software**

- S1: It was possible for Layouts to not always get recalled correctly after spilling a VCA (GWSW-13779)
- S1: When connected via Link Local the S1 could require an additional reboot at before being recognized in EuControl (GWSW-13714)
- S1: Spilling and unspilling a VCA by double-pressing the Sel switch could respond inconsistently (GWSW-13498)
- S3: Simultaneously pressing **Save + Cancel** (the “Eye” command) would fail to fully engage “Eye” mode (GWSW-13442)
- S3: It was possible for the User button to fail to show its assignment in the Soft Key Editor (GWSW-13819)
- Cycling through automation modes from a surface such as S1 could incorrectly disable Trim and reset the track Automation mode to off (GWSW-13755)

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## **Known Issues**

The following issues are not addressed in EuControl 2021.10. Where applicable, a workaround is provided.


- Avid Control: It is possible for meters to appear to freeze if you have fewer tracks in your session than the Number of Tracks in the Meters or Mixer page.  
Workaround: Add enough additional tracks to your session or project to exceed the current Number of Tracks setting (for example, if the Control app Number of Tracks setting is 8, add enough new tracks so your session or project includes 8 or more).
- Microsoft Windows 10 Creators Update  
If your system is running Microsoft Windows 10 Creators Update do not enable the **Enable External Workstations** in EuControl to avoid problems with mouse clicks.

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## **Updating Firmware on EuControl Surfaces**

### **To update firmware:**

- 1 After updating EuControl software, click (Mac) or double-click (Windows) the EuControl icon and select EuControl Settings.
- 2 If necessary, click **Surfaces** to display the Surfaces tab.
- 3 Click a surface in the My Surfaces list so it is highlighted. If multiple surfaces are listed in the My Surfaces list, make sure only one surface is highlighted.

 *Firmware must be updated on each surface separately. Updating firmware on multiple devices at the same time is not supported.*

- 4 Click **Update Firmware**.
- 5 Follow the instructions in the **Update Firmware** dialog box to proceed, and make sure to observe the following guidelines:
  - Ensure that all surfaces are connected to a trustworthy power source.
  - Do not power off the surface during the update or attempt to interrupt the update.
  - The status of the firmware update is shown in the EuControl dialog, and on the surface displays.
- 6 Click **Done** when the firmware update is complete. Repeat this procedure for each surface in your system.





Technical Support (USA)  
Visit the Online Support Center  
at [www.avid.com/support](http://www.avid.com/support)

Product Information  
For company and product information, visit  
us on the web at [www.avid.com](http://www.avid.com)