Avid S1 Guide

Installation and Overview

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Product features, specifications, system requirements, and availability are subject to change without notice.

Guide Part Number 9329-66127-00 REV A 01/20

Safety Compliance

Safety Statement: (Model #: 9100-65814)

This equipment has been tested to comply with USA, Canadian, EU and International safety certification standards: UL 60950-1 2nd edition, CAN/CSA C22.2 No. 60950-1-07; 2nd edition, EN 60950-1:2006 /A11, /A1, /A12, /A2, IEC 60950-1:2005/A1, /A2, UL 62368-1, Second Edition, CAN/CSA 62368-1-14, EN 62368-1:2014 /A11 and IEC 62368-1:2014 (Second Edition)

Avid Technology Inc., has been authorized to apply the appropriate NRTL mark on its compliant equipment.

Power Safety Input Rating
Avid S1: 12Vdc, 2.8A

Warning

Important Safety Instructions

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this equipment near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment (including amplifiers) that produce heat.

9) Only use attachments/accessories specified by the manufacturer.

10) Only perform the services explicitly described in the install and or user manual. For services or procedures not outlined in the install or user manual, speak with authorized service personnel.

11) Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.

12) For products that are a Mains powered device:
The power inlet is the main disconnect device and should remain accessible. Disconnect the power cord before servicing the unit.
Protect power cords from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the equipment.
Unplug this equipment during lightning storms or when unused for long periods of time.

Warning! To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
This unit may be provided with a power supply cord set suitable for 120V AC input only (for U.S.A.and Canada). For other than U.S.A. and Canada, a qualified person must provide for use with this unit, an appropriate, approved power supply cord set which is in compliance with the end use country requirements and has a minimum cross-sectional area of 1.0mm2.

13) For products containing a lithium battery:

Warning! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

14) For products with a power switch:
It should remain accessible after installation.

15) The equipment shall be used at a maximum ambient temperature of 40° C and maximum altitude of 2000m.

16) For products with an operator-accessible fuse:
CAUTION: For continued protection against risk of fire, replace only with same type and rating of fuse.
ATTENTION: Pour ne pas compromettre la protection contre les risques d'in- cendie, remplacer par un fusible de même type et de même caractéristiques nom- inales.

17) For products that are not rack-mountable: Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid injury from tip-over.

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Introduction

Welcome to the Avid® S1 studio controller from Avid. The S1 uses Avid's high-speed EUCON™ (Extended User Control) protocol to enable fully integrated control of Pro Tools® and other EUCON-compatible audio and video applications via an Ethernet connection. Up to four S1s can be used simultaneously.

This guide shows how to install the S1 and EuControl software, and provides an overview of the control surface.

After installing the S1 control surface and EuControl software, see the *Using EuControl Surfaces.pdf* for instructions on how to use S1 and other Avid media controllers to record, edit, and mix in Pro Tools. Thanks to the EUCON protocol, most steps for Pro Tools are also applicable in other EUCON-aware applications from our development partners, including Logic Pro X, Cubase, Nuendo, Pyramix and more (see the *EUCON Application Setup.pdf* to learn how to set up EuControl communication with these applications).

EuControl Software

EuControl lets your workstation computer find, link, and communicate with the S1 via the EUCON protocol.

EuControl also lets you set preferences for and customize the controls on your S1. EuControl software must be installed on the workstation computer before you can use the S1 with your application. You can also control applications on a secondary workstation computer by installing the separate EUCON Workstation software.

What's Included

- S1 control surface
- Power adapter with IEC cable (multiple cables are included for different regions)
- S1 Link plate
- Cat5e (350 MHz) Ethernet crossover cable
- Welcome pack, which includes the EuControl software Activation Card, S1 Welcome card, Health and Safety Guide

Additional Recommended Items

Although it can be used standalone, you will get the most out of the S1 by using it with one or more supported iOS or Android tablets (not included).

Optional Equipment

A standard Ethernet router or switch (for control surface functionality only) is required.

System Requirements and Compatibility

Avid can only assure compatibility and provide support for hardware and software it has tested and approved. For compatibility information and other resources, visit:

http://avid.force.com/pkb/articles/compatibility/EuControl-Compatibility

For S1, visit:

https://www.avid.com/s1reqs

S1 Up to four S1s can be used simultaneously with one Dock, allowing up to five supported iOS or Android tablets running the Avid Control app.

S1 can be used with Artist Transport and Artist Color, but cannot be used with S3 or legacy Artist Mix or Artist Control.

Activation

If you have not already, use the included Activation card to activate your purchase, in order to download the latest EuControl software and additional documentation.

About This Guide

This guide shows how to install S1 and EuControl software, and provides an overview of the S1 control surface.

For workflow examples that show how to use S1 with Pro Tools and other EUCON-compatible applications, see the *Using EuControl Surfaces.pdf.*

For applications that only support MackieControl, see the EUCON Application Setup Guide.pdf.

Conventions Used in 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 following symbols are used to highlight important information:

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

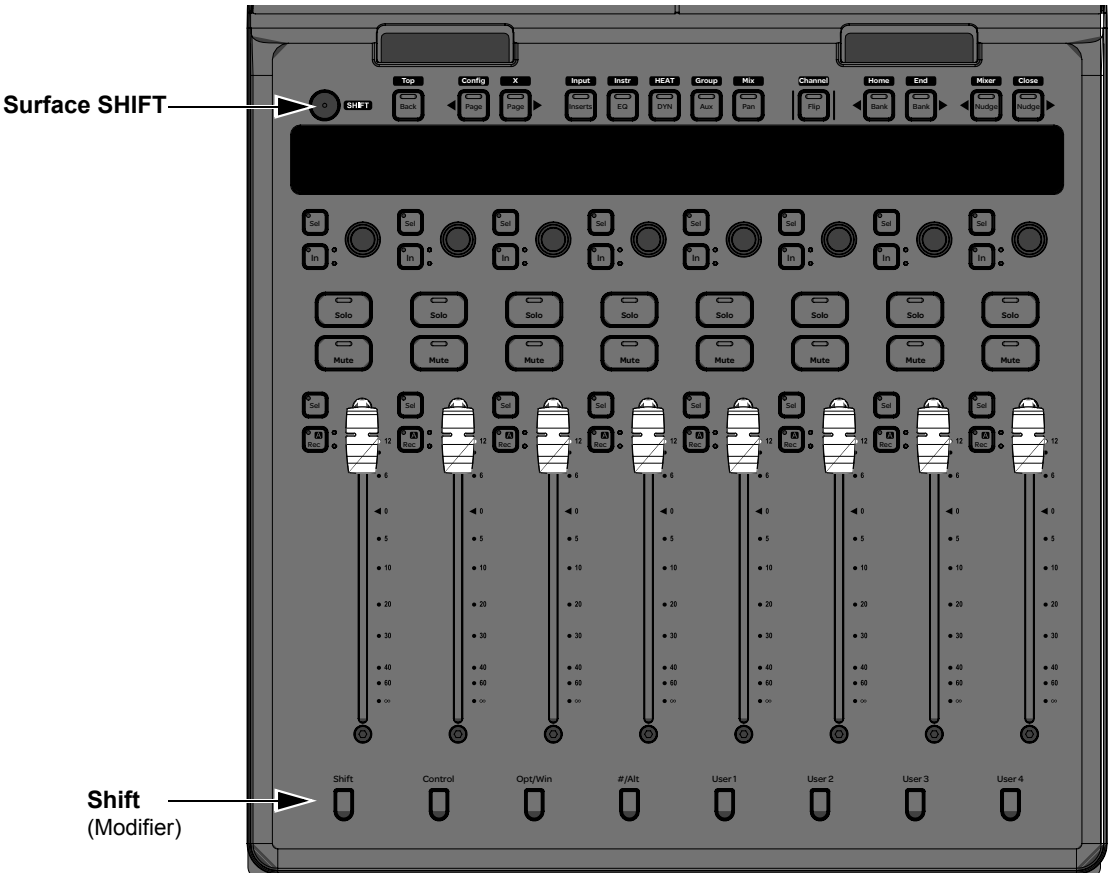
Important Notices include information that could affect your data or the performance of your system.

Shortcuts show you useful keyboard or mouse shortcuts.

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

Hardware Switches on S1 Control Surface

The names of switches on the control surface are in bold, such as **Sel.** The **Surface SHIFT** switch on the S1 is indicated by bold text, in all-caps to distinguish it from references to the **Shift** Modifier switch below fader strip 1, and the Shift key on your computer keyboard.



Surface SHIFT (upper left) and SHIFT switches (lower left)

Accessing Secondary Functions Using Surface SHIFT

The **Surface SHIFT** switch on the S1 is used in conjunction with other switches to access a secondary layer of functions. The secondary functions of some switches are highlighted in gray above the primary function (such as **< Bank/Home**, where **Home** is the secondary function). Other switches have secondary functions that are not labeled on the surface. Read this guide to learn how to access all secondary functions.

The following terminology is used to describe **Surface SHIFT** functions.:

Example:

- "Press and hold the **Surface SHIFT** switch then press the **Bank/Home** switch"

is written as

- "Press **Surface SHIFT + Bank/Home**"

Momentary or Latching SHIFT

By default, the **Surface SHIFT** switch operates in momentary behavior (active only while pressed and held down).

You can change this to operate in Latching behavior (pressing toggles the state on or off) in the Preferences tab of EuControl Settings.

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.

www.avid.com/S1-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
http://avid.force.com/pkb/articles/how_to/EUCON-Application-Setup

Get Started Fast Video Tutorials

Watch video tutorials for Dock, S3, and other EuControl products on YouTube:

Get Started Fast with Pro Tools | S3 and Dock

You can find more videos, including the latest workflow tutorials, on the Avid website. Go to **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.

Installation and Setup

This chapter shows how to get your S1 set up as a studio controller, and consists of the following steps:

- **Unpacking S1**
- **Connecting S1**
- **Installing EuControl Software**
- **Enabling EUCON in Pro Tools**
- **Confirming EUCON**

Unpacking S1

1 Open the S1 box and find the white Welcome/Start Here envelope. You will use the included Activation card to activate your S1 and download EuControl software later in the installation procedure.

2 Remove the cardboard tray holding your S1 accessories (Ethernet cable, Link plate (for joining two S1s together), power adapter, and power cables) and do the following:

- Identify the IEC power cable appropriate for your location.
- Set the IEC cable, Ethernet cable, power adapter, and Link plate aside.

3 Carefully remove the S1 from its packaging by doing the following:

- Remove the protective tape across the fader strips (this tape holds the faders in place during transportation, but must be removed).
- Remove the protective film from the displays across the top of the fader strips.

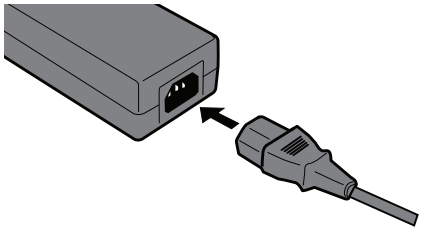
Removing protective film from the displays

Connecting S1

First connect power, then connect your S1 to your workstation computer (the computer running Pro Tools or other DAW).

To connect your S1 to your workstation computer:

1 Plug one end of the AC power cord appropriate for your location into the power adapter and the other into a power outlet. Make sure the AC power cord is pushed all the way into the adapter.



Connecting an AC cable to the power adapter

2 Connect the DC output cable from the power adapter to the DC In jack on the back panel.

DC In jack

3 Connect one end of an Ethernet cable into the Ethernet port on the back panel of the S1.

Ethernet port

4 Connect the other end of the Ethernet cable to an available Ethernet port on your computer, or to the computer's Thunderbolt port using an Ethernet-to-Thunderbolt adapter.

An Ethernet-to-USB adapter may also be used.

S1 cannot connect to your workstation computer using a wireless connection. A hard-wired network connection is required.

If you want to connect the S1 to a local area network, or to connect additional S1 units and/or an Avid Dock, connect the Ethernet cable to an Ethernet router or switch, and make sure the router or switch is powered on before powering on the S1.

5 If you are connecting to a Mac with two Ethernet ports, we recommend you use Ethernet 1 rather than Ethernet 2. However, if you want to use Ethernet 2, do the following on your computer:

- On the workstation computer, go to System Preferences > EUCON.
- Click the Network Interface pop-up menu and choose Ethernet 2.

6 Press the power switch on the back of the S1 to the “on” position. The faders jump and the LEDs blink during initialization.

Power switch

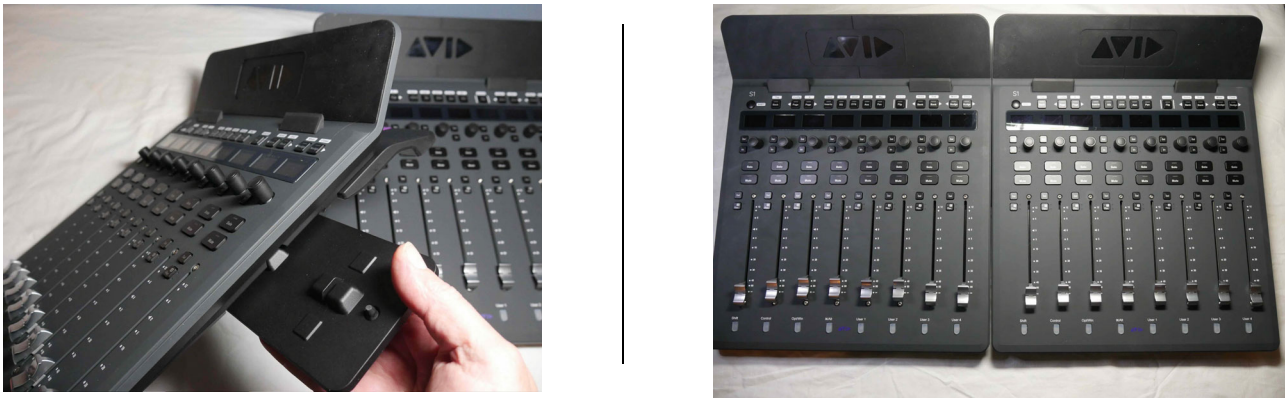
Joining Multiple S1s

The S1chassis includes small magnets along each side to hold multiple units together. Place two S1s next to each other and the built-in magnets will hold them together.

⚠ *Do not place magnetic media such as audio tapes directly on S1. While the built-in S1 magnets are not strong enough to affect other studio equipment they can affect audio tapes or other media if left directly on top of or against the sides of the S1.*

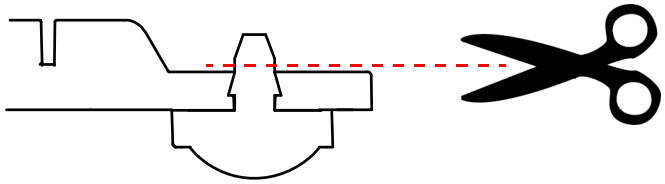
If a more rigid solution is required, clip the included S1 Link plate to the underside of one unit (both ends of the Link plate are also magnetic), being sure to orient it correctly as shown below. Then set the other S1 onto the Link plate.

Do not attempt to lift or move the S1s when linked as this can cause damage to the link and/or the S1 units.



Attaching a Link plate (shown at left) and two S1s linked

If your configuration includes an Avid Dock you can link it to an S1 using the same S1 Link plate. Simply snip off the top of the rubber foot on the side of the Link plate you want to attach to the Dock as shown below.



Snip or cut foot at red line to link S1 to a Dock

7 Proceed to **Installing EuControl Software**.

Installing EuControl Software

Install the latest version of EuControl software onto your workstation computer. An Internet connection is required to download EuControl.

Activate!

If you have not already done so, follow the instructions on the included Avid S1 Activation card to activate S1. Doing so makes EuControl software, documentation, and other software available in your Avid account.

Install Software

To install EuControl software:

S1 Activation Card

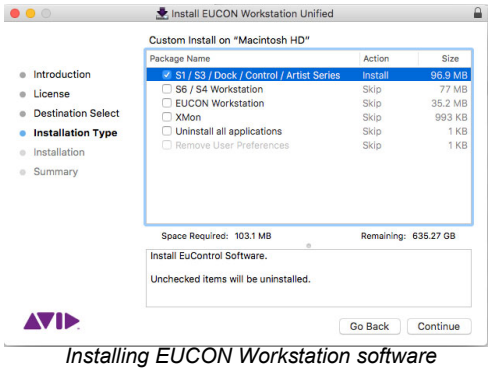
1 Visit **www.avid.com/account** and log into your Avid account (or create an account if you don't already have one) to download the EUCON_WorkstationUnifiedInstall installer for your workstation computer's platform (Mac or Windows). If you do not see EuControl software in your account go to **avid.com/redemption** 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 Follow the on-screen prompts until the Installer list is displayed (as shown below). For a description of each option, select it (Mac) or hover the mouse over it (Windows only).

4 Select each option you want to install:

- To only install EuControl, select S1/S3/Dock/Control/Artist Series.
- If you have already installed EuControl on your primary workstation and now want to install onto an additional, external workstation, select EUCON Workstation. (See also **Connecting a Second Workstation**).



Installing EUCON Workstation software

5 Click Continue (Mac) or Next (Windows), then click Install.

When reminded that a restart is required, click Continue Installation (Mac) or Yes (Windows).

6 When installation is complete click Restart.

After your computer restarts, EuControl software 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).

On 10.14/"Mojave" (only) you might need to add Pro Tools and EuControl to the Privacy list in System Settings.

Unlit EuControl icons on Mac (left) and Windows (right)

7 If the lit EuControl icon does not appear, do any of the following:

- See **3 – Add** to add S1 manually.
- Click the unlit EuControl icon and choose Restart EUCON Applications.
- Shut down S1 and your computer, then turn them on (S1 first, then the workstation computer).
- See **www.avid.com/S1 Support** for the most current troubleshooting information.

8 Proceed to **Updating S1 Firmware**.

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 a 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

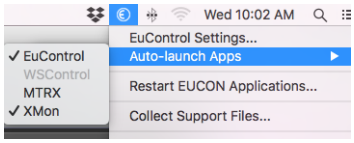
You can enable or disable auto-launch for EuControl, WSControl, and/or XMON using the new AutoLaunch selector.

To configure AutoLaunch:

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

Mac Click on the EuControl or WSControl icon in the menu bar.

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



EuControl Auto-launch Apps selector (Mac shown)

2 From the Auto-launch Apps sub-menu, choose any of the following (you can enable more than one):

- EuControl (for S1, S3, Dock, Control, and Artist Series)
- WSControl (for S4 and S6)
- MTRX
- XMON

3 Proceed to **Create Your Surface in EuControl Settings**

Create Your Surface in EuControl Settings

EuControl can be configured to launch automatically upon starting your computer (use the Auto-Launch Apps choices in the EuControl menu). EuControl is responsible for finding, linking, and communicating with all Avid media controllers on the network. You can use the different tabs in the EuControl Settings window to manage surfaces, pair surfaces with tablets, connect to workstations, and more.

First Time Startup

The first time your computer starts up after installing EuControl software you will be guided through the initial configuration steps.

Check Firmware A dialog appears reminding you to check and update firmware on hardware units. Click OK to proceed.

Create Surface Next, the Create Surface dialog is shown that describes how to configure your surface arrangement in EuControl Settings. Click OK to proceed to the Surfaces tab in EuControl Settings.

You can also access EuControl Settings at any time.

To open the EuControl Settings window:

1 Do following:

- On macOS, 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.

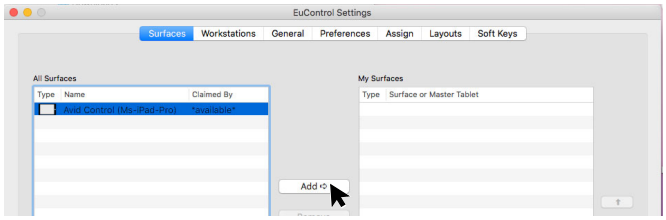
2 Go to the Surfaces tab to manage connected (attached) controllers.

Using the Surfaces Tab to Add and Manage Controllers

After installing EuControl for the first time, or whenever you need to manage controllers, use the Surfaces tab to add and arrange control surfaces and/or Avid Control tablets.

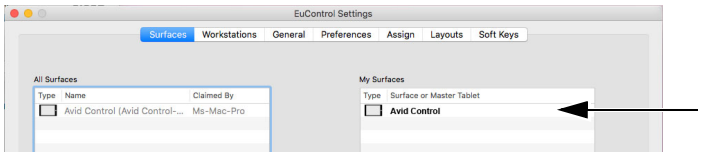
To connect a single controller to EuControl:

1 Select the controller in the All Surfaces list and click Add. Or drag the controller from All Surfaces and drop into My Surfaces.



Surfaces tab showing an Avid Control selected in All Surfaces to be added to My Surfaces

The controller appears in the Surface or Master Tablet column in My Surfaces.



Surfaces tab showing Avid Control in My Surfaces

The controller is now communicating with EuControl software.

2 Repeat to add additional controllers, if any (see next).

To arrange multiple S1s:

- The order (top-to-bottom) that surfaces are listed in My Surfaces determines the order of fader strips (1–n, left-to-right). For example, if you add two S1s the top-most S1 will default to tracks 1–8 and the lower S1 to tracks 9–16.
  - To reorder controllers, select one in My Surfaces and use the up/down arrow buttons located to the right of My Surfaces.

To enter a custom name for a controller:

- To give a controller a custom name, double-click it in My Surfaces and enter a new name.

In previous versions of EuControl software the Surfaces tab included the "Automatically Add" menu. This menu has been removed to better support multiple tablets and Control apps.

Configuring Avid Control with Other Control Surfaces

Beginning with EuControl 19.12 you can use more than one Avid Control app simultaneously as long as there is a corresponding Avid S1 in the My Surfaces list. For example, when only a Dock and/or S3 is present, only one Avid Control app can be used. When a Dock and one S1 is present, up to two Avid Control apps can be used. For each additional S1 in the My Surfaces list another Control app can be added, up to the maximums listed below.

The following table shows maximum combinations and configurations.

Dock	S1	S3	Control app	
# of units	# of units	# of units	Maximum # of tablets	Control app Modes
1x			1x	Master
1x		1x	1x	Master
	1x		1x	1x Master *or* 1x Hybrid
1x	1x		2x	1x Master + 1x Meters
1x	2x		3x	1x Master + 2x Meters
1x	3x		4x	1x Master + 3x Meters
1x	4x		5x	1x Master + 4x Meters
	4x		4x	1x Master *or* Hybrid + 3x Meters

Control App Master, Hybrid, and Meters Modes

The Control app can be used in Master, Hybrid, or Meters modes.

Master The Control app is not linked to any control surface and provides all views. Meters view is independent of, and does not follow, control surface banking. When using the Control app by itself, or with only a Dock and/or S3, the app functions in Master mode. There can only be one Master tablet.

Hybrid (Master + Meters) The Control app is linked to an S1 and all Control app views are available, but Meters view follows the S1 to which it is linked. There can only be one Hybrid tablet, *or* one Master tablet.

Meters The Control app is linked to an S1 and provides Meters view only, which follows (banks with) the S1 to which it is linked. To use the Control app in Meters mode there must be at least one S1, and one other Control app already configured as a Master or Hybrid tablet. Each additional Meters tablet requires a corresponding S1.

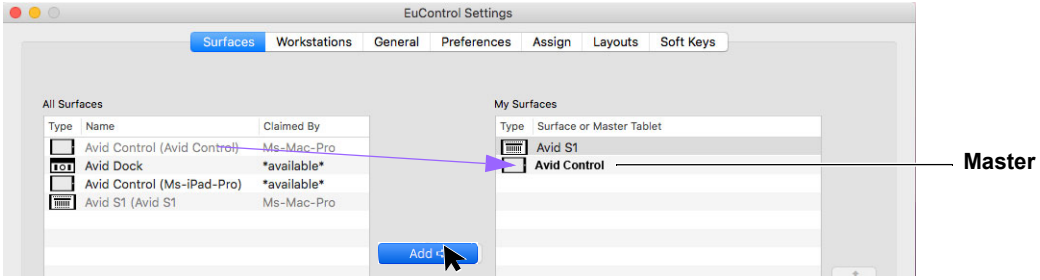
You designate tablets for Master, Meters, or Hybrid modes using the My Surfaces list in EuControl Settings.

Master Tablet Designation

To add a Control app as a Master tablet:

1 Make sure no other Control app/tablets are already in the Surfaces and Master Tablet column of the My Surfaces list.

2 Select a Control app in All Surfaces and click Add. Or drag it from All Surfaces to an *empty* row in My Surface (but not on top of any S1s). If you select multiple units in All Surfaces and add them simultaneously, only one Control app will be added (as a Master). In My Surfaces, Master or Hybrid apps are shown in bold.



Surfaces tab showing an Avid S1 and unlinked Avid Control app (Master mode)

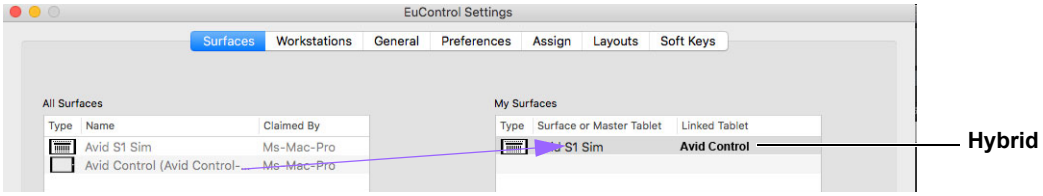
That Control app becomes a Master, provides all views, and Meters view does not follow control surface banking.

Hybrid Tablet Designation

To designate a Control app as a Hybrid tablet:

1 Make sure an S1, but no other Control app/tablets, are already in the Surfaces and Master Tablet column of My Surfaces.

2 Drag a Control app from All Surfaces and drop it on top of the *same* row as an S1 in My Surfaces.



Surfaces tab showing a Control app linked to an S1 (Hybrid mode)

That Control app becomes a Hybrid, provides all views, and Meters view displays 8 strips that follow S1 banking.

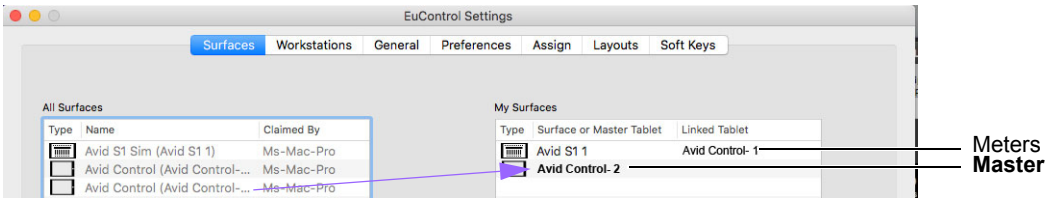
Meters Tablet Designation

To designate one Master and one Meters tablet:

1 Make sure an S1, but no other Control app/tablets, are already in the Surfaces and Master Tablet column of My Surfaces.

2 Drag a Control app from All Surfaces and drop it on top of the same row as an S1. This Control app becomes a Hybrid.

3 Drag another available Control app from All Surfaces to an *empty* row in My Surface (but not on top of any S1s).



Surfaces tab showing a linked S1 and Control app (Meters mode) and a second Control app (Master mode)

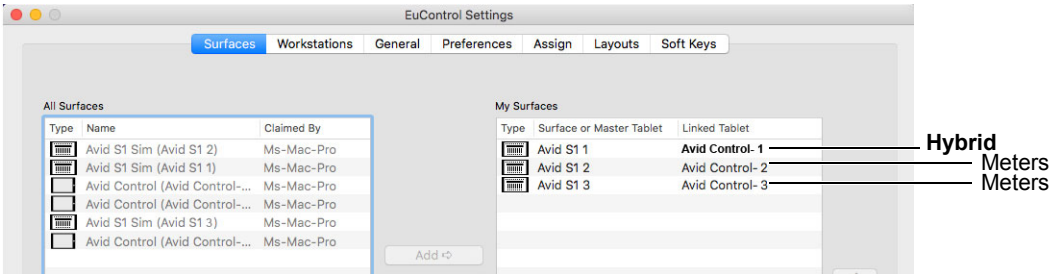
The most recently added Control app becomes a Master and provides all views. The originally added Control app (linked as a Hybrid to the S1 in step 2) changes to a Meters app.

To designate one Hybrid and one or more Meters tablets:

1 Add at least two S1s to My Surfaces.

2 Drag a Control app from All Surfaces and drop it on top of the same row as an S1. This Control app becomes a Hybrid.

3 Drag another Control app from All Surfaces and drop it on top of a row for a different S1 to designate it as a Meters app.



Surfaces tab showing a linked S1 and Control app (Meters mode) and a second Control app (Master mode)

4 Repeat step 3 to add additional Control apps as Meters apps to other S1s, if any.

To unpair a Control app/tablet from an S1:

- Select the S1 row in My Surfaces and click Remove.

To reassign tablets and S1s, do the following in the My Surfaces list:

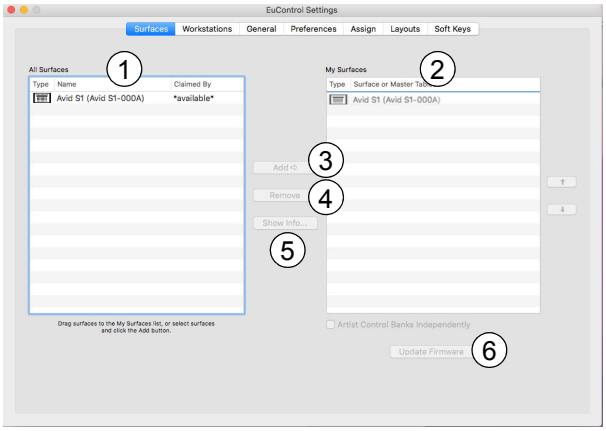
- To link a Control app to a different S1, drag the app onto the new S1.
- To reassign a Hybrid or Meters tablet to be a Master, drag the Hybrid or Master app from the Linked Tablet column and drop it onto an empty row

Guidelines

- If there are no other tablets in the My Surfaces list, dragging a tablet onto an S1 will always make that tablet a Hybrid.
- A Hybrid tablet's Meters view follows banking on the S1 to which it is linked.
- If an S1 has a tablet linked in Hybrid mode, and a second tablet is added to the My Surfaces list as a Master, the originally linked Hybrid tablet becomes an S1 Meters tablet.
- If there are two S1 units (but no Dock) the first tablet dragged on top of an S1 becomes a Hybrid. Dragging another tablet onto the other S1 adds that tablet as a Meters tablet, leaving the previously added tablet as a Hybrid.

Overview of the Surfaces Tab

The Surfaces tab in EuControl Settings shows all EUCON controllers on your network and those connected to your instance of EuControl. Use the Surfaces tab to add and connect surfaces, arrange them in the desired order, pair S1s with Control app tablets and manage Control app Master/Meters/Hybrid designation.



Surfaces tab showing the Avid Control app in All Surfaces (at left) and added to the My Surfaces list (at right)

The Surfaces tab provides the following lists and controls.

1 – 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.

2 – My Surfaces

My Surfaces shows the media controllers connected to your instance of EuControl. The Type column shows an icon for each device. The Surface or Master Tablet column shows the name of the device, and for tablets indicates whether Avid Control is functioning in Master, Meters, or Hybrid mode. The top-to-bottom order corresponds to the left-to-right order of the surfaces, respectively. The leftmost surface is assigned to fader strip 1. Use the up and down arrow buttons (located to the right of My Surfaces) to reorder the list. Each media controller can be renamed by double-clicking the existing name and typing a new name.

3 – 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.

4 – 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.

5 – Show Info

Select a unit in All Surfaces or My Surfaces and click Show Info to see the name of the device (and currently linked Control app, if any), hardware and software information, or troubleshooting suggestions.

6 – Update Firmware

Click Update Firmware to check and, if necessary, update firmware on the hardware control surface currently selected in My Surfaces. This setting does not apply to Avid Control.

Select a single media controller in the My Surfaces list. Click Update Firmware to update that unit's firmware. If a dialog displays a message that the firmware is up to date, no further action is necessary. Repeat for any additional hardware controllers.

The firmware is embedded in EuControl so an Internet connection is not required.

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.

Artist Control Banks Independently

(Artist Control Only)

This option is only available when an Artist Control is selected in the My Surfaces list. When enabled, each Artist Series unit can bank independently of each other. In applications that support it, this lets you configure one unit for dedicated control of output busses, for example.

In previous versions of EuControl software the Surfaces tab included the "Automatically Add" menu. This menu has been removed to better support multiple tablets and Control apps.

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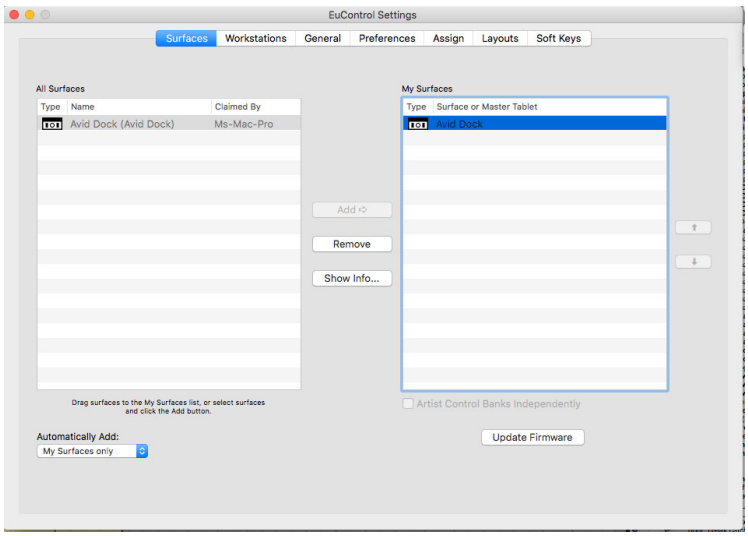
Updating S1 Firmware

After installing EuControl, make sure your S1 is running the latest firmware. The firmware is provided within EuControl, so an Internet connection is not required.

To update S1 firmware:

1 Click (Mac) or double-click (Windows) the EuControl icon and select EuControl Settings.

2 If necessary, click Surfaces to display the Surfaces tab.



Surfaces tab (Dock shown)

3 Click Avid S1 in the My Surfaces list so it is highlighted.

If S1 does not appear in the My Surfaces list, add it manually. See **3 – Add**.

4 Click Update Firmware. If the Update Firmware dialog shows a message that the surface is up to date, no further action is necessary.

5 If the firmware needs to be updated, follow the instructions in the Update Firmware dialog box to proceed, and make sure to observe the following guidelines when updating firmware:

- Ensure that S1 is connected to a trustworthy power source.
- Do not power off the S1 during the update or attempt to interrupt the update.

The status of the firmware update is shown on the S13 displays as well as in the EuControl dialog.

6 Click Done when the firmware update is complete.

7 Repeat for any additional S1 or other Avid control surfaces, selecting and then updating their firmware one unit at a time.

8 Proceed to **Enabling EUCON in Pro Tools**.

Installing and Connecting Avid Control

Before proceeding, make sure of all of the following:

- All your tablets are running the most recent version of the Avid Control app (previously known as Pro Tools | Control)
- All Control app/tablets appear in the My Surfaces list in EuControl

See the *Avid Audio Control Guide.pdf* for instructions on installing and connecting the app.

Place each Avid Control tablet in a stand built into the S1. The Control app supports both landscape and portrait views.

Tablet installed on S1

To keep your tablet charged, connect its charging cable to the USB port on the back of the Dock.

USB charging port on the back of S1

The back panel USB port is for charging and powering your tablet, only. Data communication with EuControl requires a Wi-Fi connection, Apple Camera Connection Kit and adapters (for iOS), or Samsung Galaxy Tab A SM-T590 USB 3.1 Type C to RJ45 Ethernet Adapter (or equivalent, for Android). For more information, see the Avid Audio Control Guide.pdf.

Connecting a Footswitch

The S1 has a 1/4-inch footswitch input on the back panel, which can be configured in EuControl Settings to control punch in and out of recording in your DAW, or for engaging talkback.

Footswitch input on the back of S1

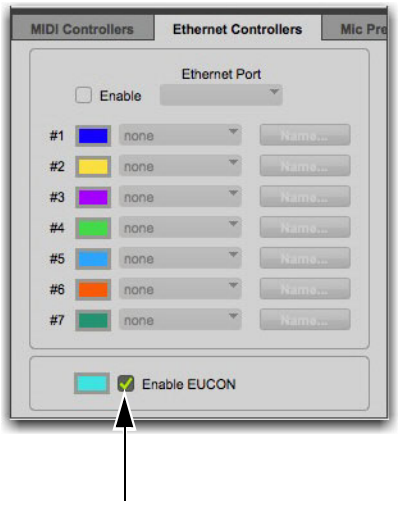
For more information on configuring the footswitch, see the *Using EuControl Surfaces.pdf*.

Enabling EUCON in Pro Tools

When you first connect an Avid media controller you must enable EUCON in Pro Tools. EUCON subsequently remains enabled in Pro Tools unless you disable it. To enable EUCON in other DAWs, see the documentation provided by the manufacturer, as well as the *EUCON Application Setup Guide.pdf*.

To enable EuControl in Pro Tools:

1. Launch Pro Tools. If the Quick Start dialog appears, close it.
2. Choose Setup > Peripherals, and click the Ethernet Controllers tab.
3. Select Enable EUCON.



Enable EUCON check box

⚠ *While Pro Tools is connected to a EUCON surface do not uncheck to disable and re-check to enable without a complete restart of all components (surfaces and Pro Tools computer) after disabling and before re-enabling.*

4. Click OK. You do not need to configure any other Ethernet Controllers settings. These settings do not apply to EUCON.

   Pro Tools scans your system until it identifies attached EUCON-compatible hardware. When Pro Tools finishes scanning your system, your controllers are ready to use with Pro Tools.
5. Proceed to **Confirming EUCON**.

Confirming EUCON

To confirm installation and communication:

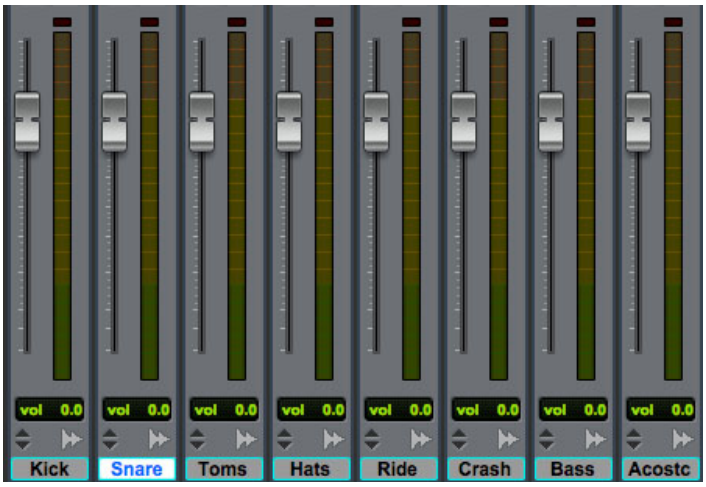
1 Make sure you have enabled EUCON.

2 Open a session if one is not already open.

3 Verify that the channel strip displays above the fader strips show the track names for the first 8 tracks in the Pro Tools session.

Channel Encoder displays showing track names (first eight tracks shown)

4 In the Pro Tools Mix window, verify that the names of the tracks currently banked to the channel strips on S1 are highlighted with blue-green borders.



Pro Tools Mix window showing tracks currently banked to the S1 channel strips

5 Proceed to any of the following:

- For instructions on using your S3 after initial installation, see **Powering-On Your System After Initial Setup**.
- To connect a second workstation computer, go to **Connecting a Second Workstation**.

Powering-On Your System After Initial Setup

After the initial installation and setup, your system must be powered on in a specific order, as follows:

1 If connecting to a router, connect all S1s and other Avid control surfaces to the router, connect the router to the workstation computer, and power on the router.

2 If connecting directly, connect S1 to the workstation computer.

3 Power on the S1.

4 Once S1 is finished initializing, power on the workstation computer.

If the S1 is not recognized by EuControl on your workstation computer (for example, because you powered S1 on after powering on the workstation computer), click the unlit EuControl icon in the menu bar (Mac) or System tray (Win) and choose Restart EUCON Applications...to relaunch EuControl and re-initiate the connection.

Connecting a Second Workstation

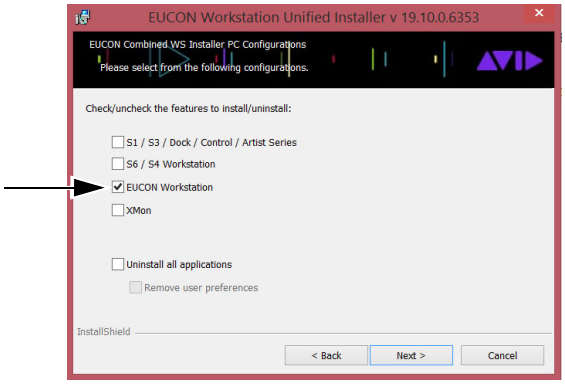
The S1 can control applications running on a second computer that is connected to the same network as the primary EuControl computer, referred to in this guide as a *workstation*. If EuControl is running on the same workstation as all your audio/video applications you can skip these instructions.

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.



EUCON Workstation selected in EUCON Combined Installer

4 Follow the instructions on-screen to complete the installation.

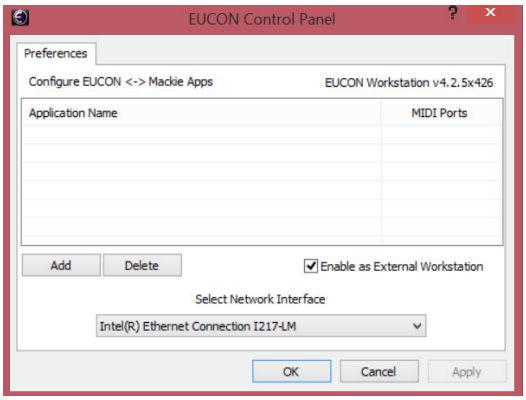
5 When installation has finished, go to Spotlight (Mac) or Search (Windows), and type "MC Client" to locate the application, then launch MC Client.

6 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).

7 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.



EUCON Control Panel, Enable as External Workstation

8 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.

9 In EuControl Settings, go to the Workstations tab.

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

You can switch between workstations by doing 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.

How to Proceed

See **S1 Surface Controls Overview** to become familiar with the different sections, controls, and displays on the S1.

For operational information and workflow examples, see the *Using EuControl Surfaces.pdf*.

S1 Surface Controls Overview

This section provides an overview of the surface controls on the S1. For workflow examples that show how to use the S1 in combination with other control surfaces, the Control app, and/or Pro Tools, see the *Using EuControl Surfaces.pdf*.

S1 top panel

1 – Surface SHIFT

2 – Channel Strips

3 – Channel Strip Displays

4 – Assignable Channel Encoders

5 – Channel Encoder Assignment Switches

6 – Fader Banking Controls

7 – Track Color Switches (Modifiers and User 1–4)

Surface SHIFT

Channel Navigation Switches

Surface SHIFT is used in conjunction with other switches to access secondary functions shown above switches.

Channel Strips

S1 provides 8 channel strips, each with a display, an Assignable Channel Encoder (each with its own encoder **Sel** and **In** switches), automation indicator LEDs, a **Solo** switch, a **Mute** switch, a 100mm motorized touch-sensitive fader, a channel select (**Sel**) switch, a record engage (**Rec**)/Automation Mode (**A**) switch, and a level meter.

Channel Strip Display

See **Channel Strip Displays**.

Assignable Channel Encoder

See **Assignable Channel Encoders**.

Solo

The **Solo** switch lights yellow when that track is soloed.

Mute

The track is muted (off) when the strip **Mute** switch is lit red, and is on (unmuted) when not lit.

Fader

The fader controls the level for the track assigned to the channel strip, or the parameter assigned to the Channel Encoder if Flip is engaged. It is motorized so it reflects changes made in the application, such as automation. It is also touch sensitive, which some applications use for automation.

When the Select by Touch General preference is selected in the EuControl Settings application, touching a fader selects that track in the application and attentions it on that strip. This is the same as pressing the fader **Sel** switch.

Channel Sel and Rec Switches

Each channel strip features a channel **Sel**, a channel **Rec** switch, and an automation mode switch (**A**), which operate as follows:

Sel Selects that track in the application, and *attentions* it for editing in the Channel Encoders (see **Basic Channel Encoder Use**). A line under the track name in a channel strip display indicates the track is attentioned.

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

Rec Record-enables a track in the application.

- In Pro Tools, the **Rec** switch flashes red to indicate that track is enabled (armed) for recording, and is lit solid when recording is in progress.
- Pressing a lit **Rec** switch disables that track for recording.

A (Surface SHIFT + Rec/A) Changes the automation mode for a track.The desired automation mode appears in the bottom right-hand corner of the channel strip display or on-screen.

You can swap the primary and SHIFT functions of the REC/A switch in the General tab of EuControl Settings. For more information, see the Using EuControl Surfaces.pdf.

Automation Indicator LEDs

Next to each strip **Rec/A** switch, and next to each knob **In** switch, are a pair of automation indicator LEDs.

Track (left) and parameter/knob (right) Automation indicator LEDs

With each pair, the upper red LED and the lower green LED indicate automation status as shown in the following table.

0 = unlit

1 = lit

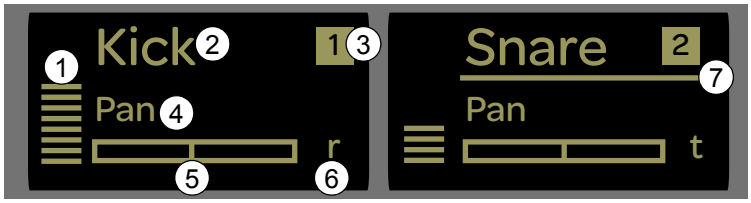
*** =** flashes

Automation Mode	Red LED	Green LED
Off	0	0
Read	0	1
Touch	1	0
Latch	1	0
Touch/Latch	1	0
Write	1	0
Preview	0	*
Off + Trim	0	1
Read + Trim	0	1
Touch + Trim	1	1
Latch + Trim	1	1
Touch/Latch + Trim	1	1
Write + Trim	1	1

The red LED flashes while writing automation. The green LED flashes in Preview mode.

Channel Strip Displays

At the top of each channel strip is an OLED (organic light emitting diode) display. Each display shows track information as follows:



Channel strip display in Normal Mode

1 – Meter Shows clip, peak, and normal values. It can show mono, stereo, or surround tracks.

2 – Track Name Shows the track name as it appears in the application. When a fader is touched, it shows the value of the fader. After releasing the fader it reverts to showing the track name.

3 – Track Number Shows the track number relative to its position in the application.

4 – Parameter Name Shows the name of the parameter currently assigned to the corresponding Channel Encoder. When an encoder is touched, it shows the value of the parameter. After releasing the encoder it reverts to showing the parameter name.

5 – Encoder Position Shows the relative setting of the control for the currently assigned parameter.

6 – Automation Mode Shows the track's current automation mode setting, as follows:

Automation Modes and Displayed Indication

Mode	Display
Off	(blank)
Read	r
Touch	t
Latch	l
Touch-Latch	tl
Write	W
Trim	<mode>

Not all applications support all the modes listed above.

7 – Attention Indicator Indicates that the corresponding track is the attentioned track. Any parameters adjusted using the Channel Encoders apply to the attentioned track.

Display Sleep

To preserve display life, the channel displays enter sleep mode when not in use. This can be set in EuControl Settings (see the *Using EuControl Surfaces.pdf* for information on OLED Screen Saver Time).

Assignable Channel Encoders

Each channel strip has one touch-sensitive, continuously rotating encoder for adjusting parameters as assigned by the Channel Encoder Assignment switches (see **Channel Encoder Assignment Switches**). Each encoder can also be pressed, which is typically used to access sub-menus. Each encoder also has corresponding **Sel** and **In** switches.

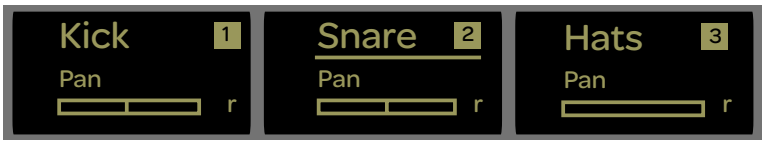
- A Channel Encoder **Sel** switch assigns a secondary function of the displayed parameter to the corresponding Channel Encoder. For example, engaging the **Sel** switch for an encoder controlling EQ frequency assigns Q (bandwidth) to that encoder.
- A Channel Encoder **In** switch toggles two-state parameters, such as turning an individual EQ Band on/off.

Channel Encoder Modes

The Channel Encoders operate in either Normal Mode or Channel Mode. The channel displays shows the current channel mode.

Normal Mode

In Normal Mode, each Channel Encoder controls the same parameter for every track on the channel strips. A line appears under the attentioned track's name in the display.



Channel displays in Normal Mode, showing "Snare" as the attentioned track

Channel Mode

In Channel Mode, the 8 Channel Encoders control up to 8 different parameters for the attentioned track. In Channel Mode parameter names and value are highlight in each channel display. For the attentioned track, track name as well as parameter and value are highlighted.

Channel displays in Channel Mode, showing "Kick" as the attentioned track

Channel Mode is useful for editing EQs and plug-ins that have many parameters.

Basic Channel Encoder Use

When S1 is first powered on, the Channel Encoders are in Normal Mode and **Pan** is assigned to the Channel Encoders by default. Each Channel Encoder controls pan for its corresponding track on the strip.

To quickly access pan control on the Channel Encoders in Normal Mode:

- Press the **Pan** Channel Encoder Assignment switch.

To enable Channel Mode (see the figure below):

1. Press a Channel **Sel** switch to attention that track.
2. Press **Surface SHIFT + Flip/Chan**.
3. Press the channel Encoder Assignment switch for the desired function such as **Inserts** or **EQ**.

Remember, for functions listed above each switch such as Input, Inst, HEAT, Group, or Mix, hold **Surface SHIFT** *while pressing its switch.*

Enabling Channel Mode: Select a track (1), press Surface SHIFT + Flip/Chan (2), then select a function (3)

The encoder displays show parameters for the selected function.

4. To exit Channel Mode, press **Shift + Flip** again.

Pressing the EQ Channel Encoder Assign Switch automatically enables Channel Mode as well.

Channel Encoder Assignment Switches

The Channel Encoder Assignment switches assign sets of adjustable parameters, called *Knob Sets*, to the Channel Encoders. A Knob Set is an array of controls used by EuControl-compatible applications to control plug-ins, EQs, dynamics, aux sends, and other functions using the controls on the S1. Some of these Knob Sets also have sub-menus.

One of the switches is always selected, and the associated parameters are assigned to the Channel Encoders until another Channel Encoder Assignment switch is pressed. When S1 is first powered on, **Pan** is selected by default.

Channel Encoder Assign switches (showing all switches lit to indicate primary LED colors)

The labels *above* each Channel Encoder Assignment switch indicate secondary parameters that can be assigned to the Channel Encoders. The text in white on the switch represents a switch's primary function, and the text in black above the switch represents a switch's secondary function. Secondary functions are accessed by pressing and holding the **Surface SHIFT** switch then pressing the desired Encoder Assign (or other) switch.

The following switches are provided:

Input Assigns hardware input parameters such as input routing, mic gains, phantom power, and other application-specific parameters to the Channel Encoders.

Inserts Assigns the top-level Insert Knob Set to the Channel Encoders. When **Insert** is pressed, in each channel display for all currently banked tracks the first insert slot (a) is shown, or a plug-in is shown if one is inserted. Pressing a Channel Encoder under the display showing the plug-in you want to adjust enables Channel Mode on the Channel Encoders, and the Knob Set for the selected plug-in is assigned to the 8 Channel Encoders for editing.

In the Insert Knob Set, parameters are mapped to the Channel Encoders according to the manufacturer's specifications. Parameter mapping can vary between plug-ins, even of the same type.

- Press the **Page >** Channel Encoder Navigation switch to access the next plug-in. Press **< Page** to access the previous plug-in.
- Press the **Back** Channel Encoder Navigation Switch to return to the Channel Encoders to the top-level Inserts Knob Set. Or, you can simply press another Channel Encoder Assignment switch to navigate directly to another Knob Set.

Instr Assigns the top-level Instrument Knob Set to the Channel Encoders (when an Instrument plug-in is present).

EQ Assigns the top-level EQ Knob Set to the Channel Encoders. Operation is similar to the Inserts Knob Set, except only the first inserted EQ plug-in on the channel is displayed and accessed.

In the EQ Knob Set, parameter mappings to the Channel Encoders are standardized across EQ plug-ins. For example, high band gain controls for two EQ plug-ins from different manufacturers appear on the same encoder.

HEAT (Pro Tools Only) Assigns the top-level HEAT knob set (when HEAT is available).

DYN Assigns the top-level Dynamics Knob Set to the Channel Encoders. Operation is similar to the Inserts Knob Set, except only the first inserted Dynamics plug-in on the channel is displayed and accessed.

In the Dyn Knob Set, parameter mappings to the Channel Encoders are standardized across dynamics plug-ins. For example, the threshold controls for two compressor plug-ins from different manufacturers appear on the same encoder.

Group Displays the Group Knob Set to configure group or control group (VCA) membership.

- In Normal Mode, the first group is displayed, and pressing the **Page >** Channel Encoder Navigation switch displays the next group if applicable.
- In Channel Mode, up to 8 groups for the currently selected channel can be accessed at once.

Aux Assigns sends on the Channel Encoders.

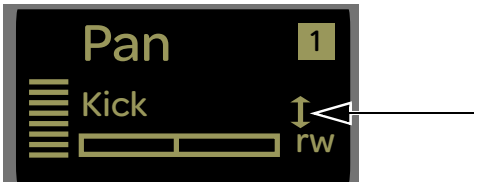
- In Normal Mode, the first send is displayed, and pressing the **Page >** Channel Encoder Navigation switch assigns the next set of sends to the encoders.
- In Channel Mode, up to 8 sends for the currently selected channel can be accessed at once.

Mix (Surface SHIFT + Pan/Mix) Displays the Mix Knob Set to configure track output routing.

Pan Displays the Pan Knob Set to configure stereo or surround panning. Pan controls are not available for tracks with mono or no output path assignments.

Channel (Surface SHIFT + Flip/Channel) Toggles the Channel Encoders between Normal Mode (unlit **Channel** switch) and Channel Mode (lit yellow **Channel** switch). In Normal Mode, the attentioned track name is underlined to show which track's parameters will be expanded in Channel Mode. The switch LED lights yellow when Channel mode is engaged, and orange when both Channel and Flip modes are engaged.

Flip Toggles what is currently assigned to the knobs (such as pan or send parameters) to the faders. A vertical double arrow appears in the channel strip display when the faders and knobs are flipped. Press **Flip** again to toggle the faders and knobs back to normal. You can use Flip mode with Aux sends, for example, to quickly set up headphone mixes using the faders. (The Dock does not follow Flip.)



Flip indicator in OLED display

The switch LED lights green when Flip is engaged, and orange when both Channel and Flip modes are engaged.

Channel Encoder Navigation Switches

Since a Knob Set may have more parameters than encoders, use **Back/Top**, **<Page/Config**, and **Page>**switches to navigate through available parameters.

Channel Navigation Switches

Back Returns to the previous Knob Set. Press **Back** repeatedly to back out of all sub-menus and display the top of the current Knob Set.

Top Returns to the top-level Knob Set.

Config Enters Config mode, from which you can insert plug-ins and assign sends.

< Page, Page > Assigns the previous or next set of parameters to the Channel Encoders. The switches light when there is a previous or next set to go to. For example, if Send A is assigned to the Channel Encoders, pressing the lit yellow **Page >** assigns Send B to the Channel Encoders. In addition, **< Page** lights orange if there is a previous page and Config mode is enabled, and lights green if Config mode is enabled but there is no previous page.

The **X** *switch is not yet implemented.*

Fader Banking Controls

Bank tracks to the channel strips using the **Bank** and **Nudge** switches. **Home** and **End** are shortcuts to the first and last banks, respectively.

Fader Navigation controls

Bank and Nudge

The **Bank** and **Nudge** switches change which tracks are assigned to the channel strips, as follows:

< Bank Banks 8 tracks to the left. If tracks 17–24 were banked to strips 1–8, pressing **< Bank** banks tracks 9–16 to strips 1–8. Pressing the switch again does nothing because the first bank is already shown.

EuControl provides "bank stop" which prevents the Bank switches from banking beyond the first or last track. The Nudge switches, however, do let you navigate beyond the first or last track.

Bank > Banks 8 tracks to the right. If tracks 1–8 were banked to strips 1–8, tracks 9–16 are now banked to strips 1–8.

On S3 (only), its Bank and Nudge switches are also used to spill VCAs in Multi-Master mode. For more information, see the Using EuControl Surfaces.pdf.

< Nudge Banks tracks one track to the left. If tracks 2–9 were banked to channel strips 1–8, pressing **< Nudge** once banks tracks 1–8 to strips 1–8. Pressing **< Nudge** again banks tracks 1–7 to strips 2–8.

Nudge > Banks tracks one track to the right. If pressed once while tracks 1–8 were banked to channel strips 1–8, tracks 2–9 are banked to strips 1–8.

Bank and Nudge Pro Tools

The S1 **Bank** and **Nudge** switches can also bank the Mix and/or Edit windows in Pro Tools. To have Pro Tools follow S1 banking, in Pro Tools go to Setup > Preferences, open the Mixing tab, and in the Controllers section enable Edit Window Follows Bank Selection and/or Mix Window Follows Bank Selection.

Home and End

Home (Surface SHIFT + < Bank/Home) Banks tracks 1–8 to the channel strips.

End (Surface SHIFT + Bank >/End) Banks the last set of tracks to the strips.

Mixer and Close

Not all applications support these switches.

Mixer (Surface SHIFT+ < Nudge/Mixer) Toggles Mix and Edit windows in Pro Tools.

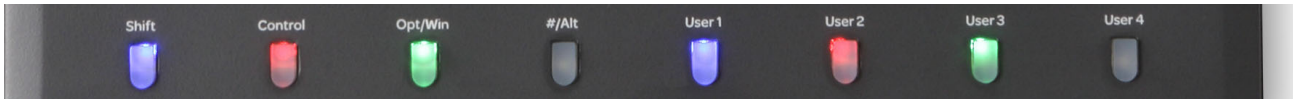
Close (Surface SHIFT + Nudge >/Close) Closes any open window in the application.

Track Color Switches (Modifiers and User 1–4)

Track Color switches at the bottom of each fader strip show the assigned track colors for tracks banked to the surface. On each S1, the four left switches provide Modifier functionality, and the four right switches provide customizable User switches.

By default, the Surface SHIFT layer recalls Layouts 1–8.

All 8 switches can be customized in the Soft Key Editor of EuControl Settings.



Track Color switches

Modifier Switches

The Modifier switches duplicate the function of the computer keyboard modifiers. Note that multiple keys can be held down together. The table lists each key's function for Mac and Windows.

Track Color / Modifier Key functions for Mac and Windows

	Shift	Control	Opt/Win	Command/ Alt
Mac	Shift	Control	Option	Command
Windows	Shift	Ctrl	Win	Alt

User Switches

All 8 Track Color switches are customizable. Use the Soft Keys tab in EuControl Settings to assign your own EUCON, page, key, or surface commands to these switches.

In the default Pro Tools Soft Keys, hold **Surface SHIFT** *and press a Track Color switch 1–8 to recall Layouts 1–8.*

For complete information on Soft Keys and other features within EuControl Settings, see the *Using EuControl Surfaces.pdf*.

Appendix A: Specifications

All specifications subject to change.

Module: Avid S1

Mechanical

Avid S1 Mechanical Specifications

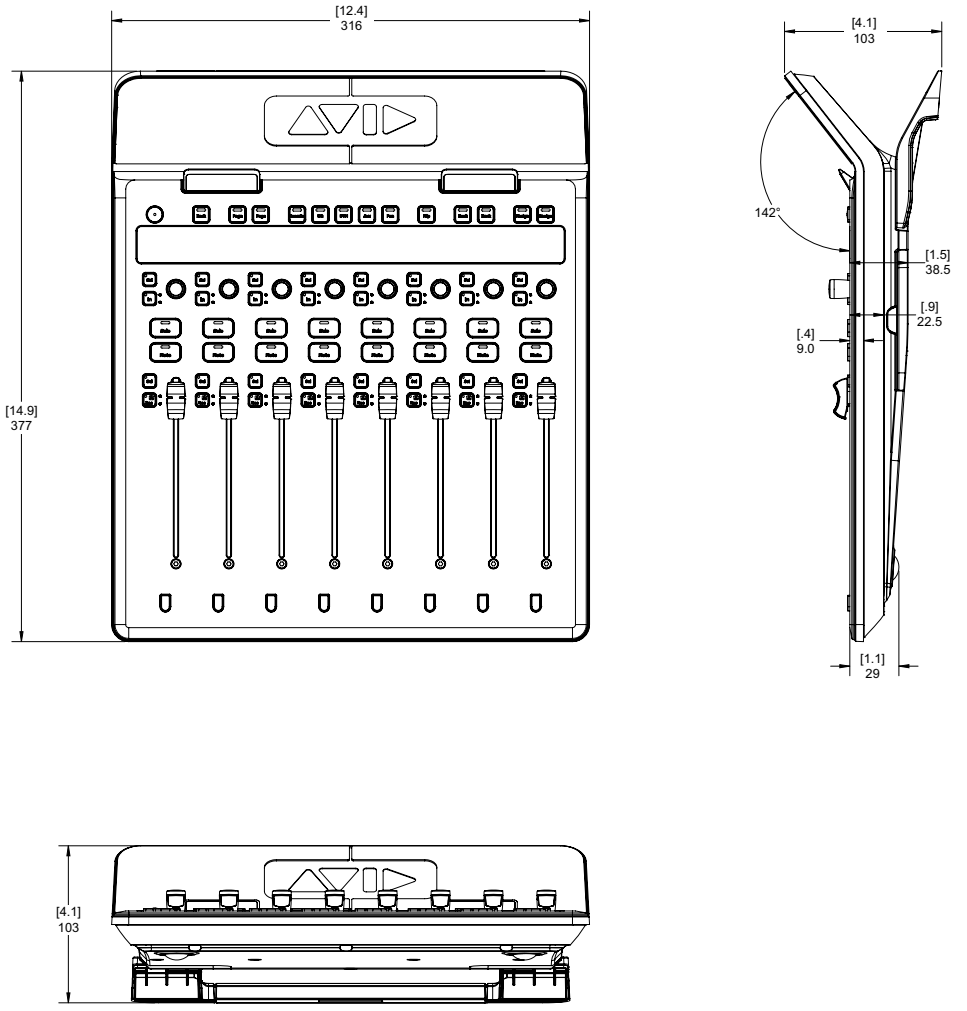
Parameter	Specification
Height (front)	1.1 in (29 mm)
Height (rear)	4.1 inches (103 mm)
Width	12.4 in (316 mm)
Depth	14.9 in (377 mm)
Weight	4.17 lbs 1.89 kg
Power Requirements	2.8 A
Ethernet Port	1000-BaseT (Gigabit) Ethernet RJ-45

Environmental

Avid S1 Environmental Specifications

Parameter	Specification	Limit	Units	Condition/Comment
Storage Temperature	–18 to +60 deg C		deg C	0 to +140 deg F
Operating Temperature	+4 to +40 deg C		deg C	+40 to +104 deg F
Storage humidity range	5 to 95		%	Non-condensing
Operating Humidity Range	20 to 80		%	Non-condensing
Continuous Vibration (Storage only: non-powered transportation)	1		g RMS	Random spectrum

Dimensions



Test Mode

The Avid S1 has several status and self-test modes that can be entered at power up.

The following table identifies each mode by name, lists the S1 switches to hold down while powering on the unit, and provides a description of each mode.

Avid S1 Test Modes

Test Mode	Key Combination	Description
Show Version	SHIFT (Surface SHIFT in upper left corner)	Show currently installed firmware version.
IP Configuration	< Page + Page >	See **Setting IP Addresses**.
Test Mode_Production	< Bank + Bank > + Nudge >	• Press any switch to test it (switch name appears across all displays). • Touch any fader or encoder to test touch sensitivity. • Move any fader to move it and the fader immediately to its right.

IMPORTANT! Do not attempt to use any other test modes to avoid possible damage to the unit or its components.

Appendix B: Setting IP Addresses

In most types of installations you will never have to set a static Internet Protocol (IP) address, but in the rare cases that require it, use the instructions in this section.

Normally, Avid S1, Dock, and S3 use Dynamic Host Configuration Protocol (DHCP) to obtain IP addresses, typically from a router. S1 reverts to link-local addressing to generate an IP address if a DHCP server is not found on the network, such as when an S1 is connected directly to a computer with an Ethernet cable. Both of these methods of obtaining IP addresses can be overridden by supplying a static IP address, which S1 will then use in all cases when powered on.

⚠ *Attempt this only if you have prior experience configuring a network.*

To set a static IP address:

1 While holding down both **<PAGE>** keys (**<PAGE** and **PAGE>**) simultaneously, press and release the **POWER** switch. Continue to hold the Soft Keys down until the strip 1 display shows the following:

Use DHCP yes

2 To be able to set a static IP address, do either of the following:

- Press the left-most (strip 1) encoder **Sel** switch.
- Press the strip 1 encoder.

The strip 1 display now shows:

Use DHCP no

- To cancel and leave DHCP enabled, press the strip 1 encoder **On** switch.

3 While Use DHCP no is displayed press the strip 1 encoder to move to the next screen, in this case the first field of the IP Address screen. The first three digits (such as 192) are underlined indicating they are focused for editing.

- To increase or decrease the currently focused value, rotate the strip 1 encoder.
- To focus on the previous or next value/page, press **<Page** or **Page>**. Or press the strip 1 encoder to advance to the next value/page.
- To change the value for the Subnet Mask, continue pressing Page > until the current Subnet Mask value is shown, then adjust values as described for IP Address.

Example IP Address display (shown at left) and example Subnet Mask display (shown at right)

4 If necessary, set the Subnet Mask using the same techniques described in the previous steps.

5 Press both **Page** keys (**<Page** and **Page>**) simultaneously to save this static IP address.
To cancel any changes made to the IP address at any time, power off the S1 before pressing **<Page+Page>**.

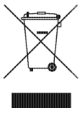
After the configuration is saved S1 automatically reboots to its new configuration.

Appendix C: Compliance

Model Name: Avid S1 **Model #: 9100-65814**

Environmental Compliance

Disposal of Waste Equipment by Users in the European Union



This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

Proposition 65 Warning

This product can expose you to chemicals including Pb and Pb compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Perchlorate Notice

This product may contain a lithium coin battery. The State of California requires the following disclosure statement: “Perchlorate Material – special handling may apply, See www.dtsc.ca.gov/hazardous waste/perchlorate.”

Recycling Notice

EMC (Electromagnetic Compliance)

Avid declares that this product complies with the following standards regulating emissions and immunity:

- FCC Part 15 Class B
- CAN ICES-003 Class B
- EN 55032 Class B
- AS/NZS CISPR 32 Class B
- CISPR 32 Class B
- EN 61000-3-2
- EN 61000-3-3
- EN 55103-2, Class E2, E3 and E4
- EN55024

FCC Compliance for United States

Radio and Television Interference

Communication Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or locate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any modifications to the unit, unless expressly approved by Avid, could void the user's authority to operate the equipment.

Australian Compliance

Canada ICES-003 Compliance

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le material brouilleur du Canada.

Korea Class B EMC Compliance

이 기기는 가정용 (B 급) 전자파적합기기로서 주 로 가정에서 사용하는 것을 목적으로 하며 , 모 든 지역에서 사용할 수 있습니다 .

Japan VCCI B Compliance

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。 VCCI－B

CE Compliance

(EMC, Safety and RoHS)

Avid is authorized to apply the CE (Conformite Europenne) mark on this compliant equipment thereby declaring conformity to EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and RoHS Directive 2011/65/EC.

Technical Support (USA)
Visit the Online Support Center
at **www.avid.com/support**

Product Information
For company and product information,
visit us on the web at **www.avid.com**