



What's New in Pro Tools | S6

Version 3.7



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

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Contents

- Introduction** 1
 - System Requirements and Compatibility** 1
 - Product Activation and Software License Activation** 2
 - About This Guide** 2
 - How to Use this PDF Guide** 3
 - Resources** 3

- New and Improved Features in S6 Software v3.7** 4
 - Important!** 4
 - Master Display Meter Modules** 5
 - EQ and Dyn Cycling** 9
 - Soft Keys** 10
 - Other New and Improved Features** 11

- Updating S6 System and Workstation Software** 12
 - S6 Software Activation** 12
 - Logging in as Administrator and Updating Master Module Software** 13
 - Activating Your Software License** 13
 - Installing S6 Supporting Software** 15

Chapter 1: Introduction

This document describes the **New and Improved Features in S6 Software v3.7** for Pro Tools® | S6 systems.

System Requirements and Compatibility

S6 Software version 3.7 requires the following:

- Valid S6 software license
- Pro Tools 12.8.2 or higher
- Or other EUCON™-enabled applications (check with the manufacturer for compatibility information and requirements).

For a list of supported applications, system requirements, and other compatibility information, visit:

<http://www.avid.com/products/pro-tools-s6/specifications>

DAW Compatibility At the time of this writing, S6 Software v3.7 is compatible with the following (or higher versions):

- Avid Pro Tools 12.8.2 (Dolby Atmos® support requires Pro Tools | HD)
- Steinberg Nuendo 7
- Steinberg Cubase 8
- Apple Logic 10
- Merging Pyramix 8.x Native only
- Merging Pyramix 9.x
- Avid Studio Monitor Pro
- Avid XMON S6
- Pro Tools | MTRX
- ProMon (DADman) for Pro Tools | MTRX and NTP Technology AX32

WSControl Application Compatibility The WSControl application is compatible with Mac OS 10.9.5 or higher (including Mac OS 10.11/“El Capitan”, 10.12/“Sierra” and 10.13/“High Sierra”), and Windows 7 or higher (including Windows 10). Check compatibility for individual EUCON-compatible workstation software.

Important!

The EUCON performance improvements introduced in v3.5 make it and all later versions (including v3.7) incompatible with v3.4.x and previous versions of EUCON and EuControl. As a result, version 3.7 and future versions must not be run on the same network (subnet) as any 3.4.x or previous EUCON Surface software.

- To get the latest version of EuControl software for S3, Dock, and Artist Series, download them from your **Avid Account** or visit: <http://www.avid.com/en/products/artist-control/learn-and-support>.
- For System 5-MC and MCPro, visit: **System 5-MC and MC Pro Documentation and Software**.
- For System 5, use version 6.1 or later. For more information, visit: http://avid.force.com/pkb/articles/user_guide/System-5-and-S5-Fusion

For System 5 software downloads, log in to your **Avid Account** or contact **Avid support** for details.

Product Activation and Software License Activation

Activate your S6 system software on-line as instructed later in this guide. You must use the System ID on the included *S6 System Software Activation Card* to activate and download all S6 system software and documentation. You will also need to activate your S6 software license after installing the software.

If you are upgrading a system, check your Avid account for the latest S6 system software.

Software License Activation Information

After installing the new S6 MasterModule software, you might be prompted to activate or update your software license. S6 software licenses are valid for the entire year of the currently valid Support Contract.

In versions of S6 software prior to v3.5, a new license was required for each major release. All customers with current Support Contracts who are upgrading from v2.2.1 or earlier must activate the new version (such as v3.7) by registering your System ID in order to transition to the new yearly license system and download the latest software.

To receive your Activation ID, go to <https://my.avid.com/products/Hardware/console> and log into your Avid Account (or create one). Follow the instructions on-screen to enter your System ID. For information about locating your System ID, see this article on our Knowledge Base:

<http://avid.force.com/pkb/articles/faq/How-to-find-S6-System-ID>

Once the new version is activated, you will not need to activate a new license for any software updates that are released for the duration of your current Support Contract. After you activate your license your Avid Account will be updated with the new S6 software for you to download, and will also show your Support Contract dates.

About This Guide

This guide explains how to assemble your Avid S6 system.

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 names of switches and keys on the control surface are shown in bold (such as **Select**). In addition, the **Shift** switch on the Master, Fader, or Joystick Module 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.*

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.

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, Product Registration, and License Activation

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. Activate your software license

<https://www.avid.com/account>

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.

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

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

<http://avid.force.com/pkb/articles/faq/Avid-S6-Support>

Training and Education

Study on your own using courses available online or find out how you can learn in a classroom setting at an Avid-certified training center.

For example, check out the series of **Get Started Fast with S6** video tutorials, available on YouTube:

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 an S6 demo.

Chapter 2: New and Improved Features in S6 Software v3.7

S6 Software v3.7 provides the following new and changed features in the following areas:

- **Master Display Meter Modules**
- **EQ and Dyn Cycling**
- **Other New and Improved Features**



S6 v3.7 may require a new software license. For instructions, see [Updating S6 System and Workstation Software](#).



Check the S6 Software v3.7 ReadMe for additional information.

Important!

The EUCON performance improvements introduced in v3.5 make it and all later versions (including v3.7) incompatible with v3.4.x and previous versions of EUCON and EuControl. As a result, version 3.5 and future versions must not be run on the same network (subnet) as v3.4.x or any previous EUCON surface software.

- To get the latest version of EuControl software for S3 or Dock, download them from your [Avid Account](#)—or for Artist Series controllers visit:

<http://www.avid.com/products/artist-control/learn-and-support>

- For System 5-MC and MCPro, visit:

[System 5-MC and MC Pro Documentation and Software](#).

- For System 5, use version 6.1 or later. For more information, visit:

http://avid.force.com/pkb/articles/user_guide/System-5-and-S5-Fusion

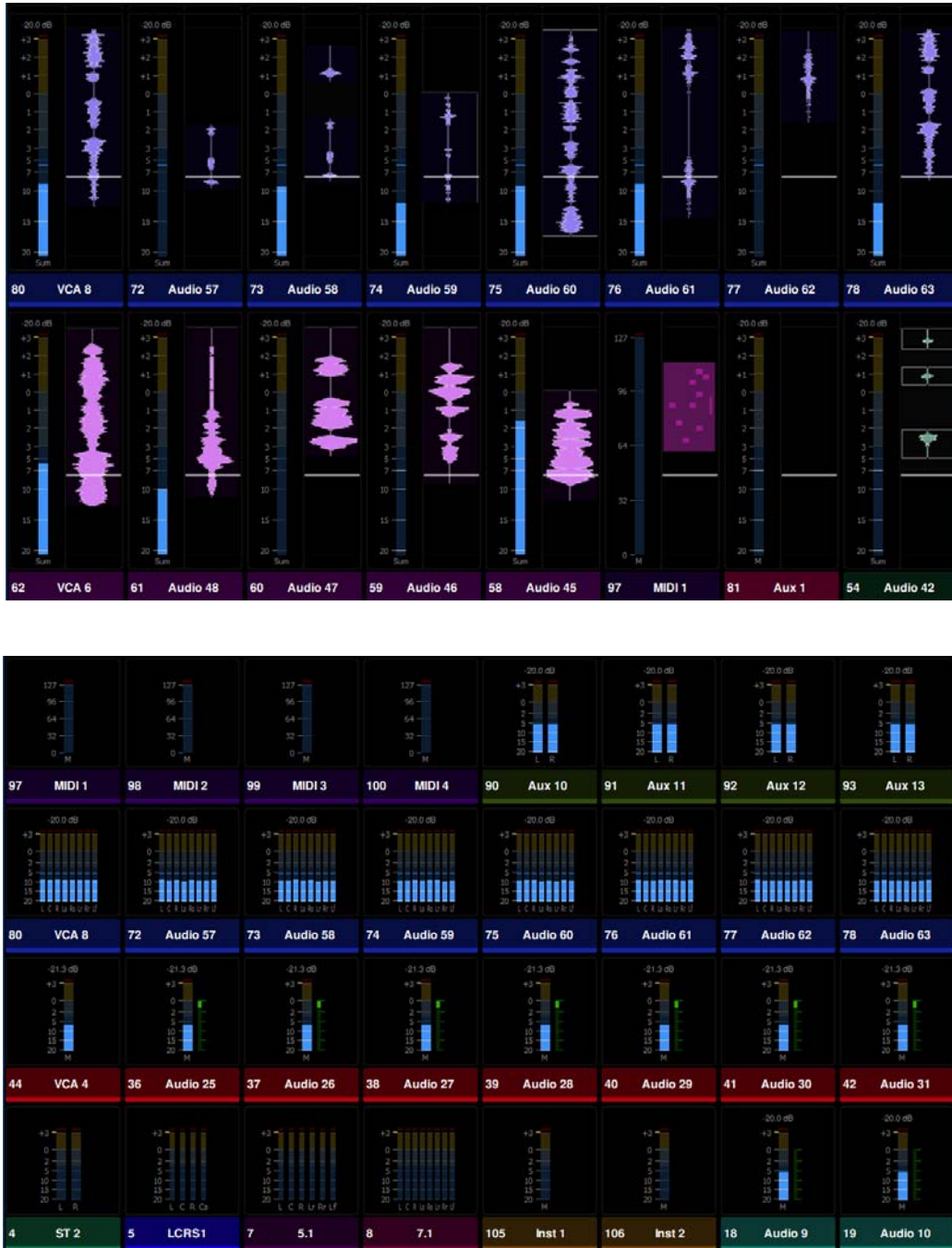
For System 5 software downloads, log in to your [Avid Account](#) or contact [Avid support](#) for details.

Master Display Meter Modules

Up to two Display Modules can be designated as Master Display Meter Modules (referred to in this document as MMMs) to provide dedicated meter displays for important session elements. When two MMMs are designated, both mirror each other.

You can configure MMMs to show meters, waveforms, or meters and waveforms for 8 to 32 tracks (up to four rows of 8 tracks each). You can select MMM views separately from Display Module views, store MMM views in *Meter Layouts*, and link *Meters Layouts* to *Track Layouts*.

Views can be changed from the Tracks screen Local Options, using Soft Keys, or by pressing **SHIFT + Display 1/Display 2** on the Master Module while in Meters view.



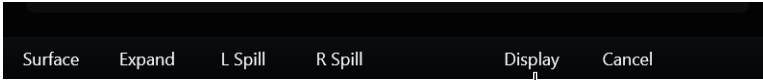
Master Meter Module showing 2 rows in Meters and Waveforms view (upper) and 4 rows in Large Meters view (lower)

Designating Master Meter Modules

MMMs can be added to your surface configuration by designating already assigned Display Modules to become Master Meter Modules, or by adding Display Modules to the surface configuration as Master Meter Modules.

To designate existing Display Modules to use as Master Meter Modules:

- 1 Go to Settings > Surface, then press Config.
- 2 Press Display.



Display command in Settings > Surface, Config

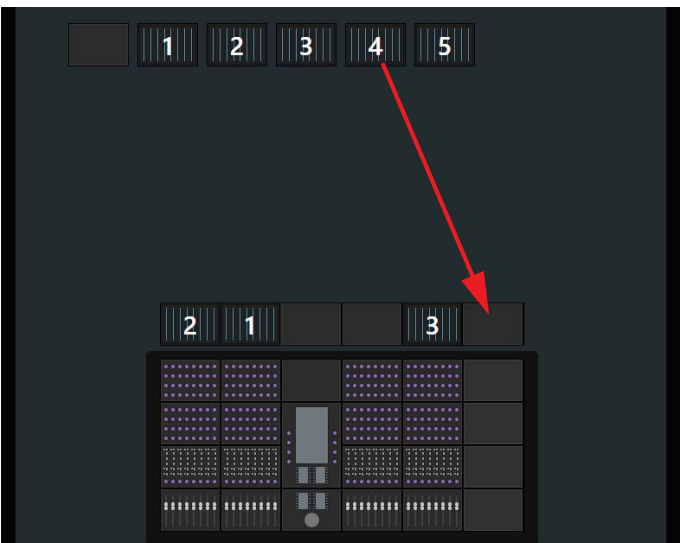
- 3 Follow the on-screen instructions to designate up to two Display Modules as Master Meter Modules.



Assign Master Display Meter Hardware screen in Settings > Surface, Config

To add new Display Modules as Master Meter Modules:

- 1 Edit your surface configuration by adding an empty chassis with no modules (see the *S6 Guide.pdf* for detailed instructions):
 - Go to Settings > Surface, press Config, then press Surface.
 - Enter your frame width (number of chassis with modules plus one or two empty chassis) and frame depth, then press Next.
 - Drag module stacks to the frame diagram until it matches your physical arrangement of modules (leave MMM stacks empty).
 - Press Next, touch to confirm the flashing modules, then press Next when all modules are confirmed.
- 2 Drag available (unused) numbered Display Module icons to the frame diagram above empty chassis, or chassis that only have Master Post or Master Joystick modules.



Settings > Surface, Config showing how to add a Master Meter Module

- 3 Press Next, then press Done.

Assigning Tracks to Meter Layouts

The new **Meters** menu key on the Home page displays the **Meters** screen, where you assign tracks to meters, store and recall Meter Layouts, and link Meter Layouts to standard Layouts.

To create and assign tracks to Meter Layouts:

- 1 Navigate to the Home screen and press **Meters**. Or press **Shift + Tracks** on the Master Module.
When showing the Meters screen, the **Tracks** switch lights orange.



Meters command in the Home screen

- 2 In the Meters screen, press to enable **Assign** and assign tracks to Meters Layouts.
Assigning tracks to Meter Layouts in the Meters screen is very similar to assigning tracks to other types of Layouts.

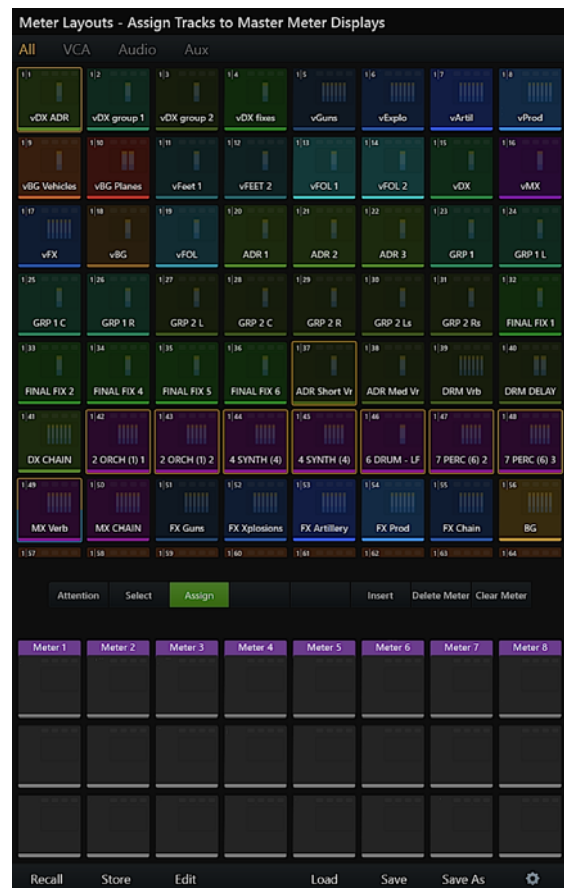
- Tap Track blocks in the upper track matrix to select tracks, then tap a strip block at the bottom of the screen to place the currently selected track(s) starting on that meter.

The number of available Meter rows can be configured between 1 and 4 rows (see [Configuring MMM Display Settings](#)).

- Repeat to add and arrange other tracks in the Meter Layout. To include tracks from a different application or workstation, focus that application and then repeat the previous steps to add its tracks to the Meter Layout.
- When you have selected and placed tracks onto meters, tap **Store**. The Store Meter Layouts grid appears.

In the lower Meter blocks (at the bottom of the screen) all meters are outlined in bright green, indicating they will be stored and recalled with the Meter Layout. Tap to deselect the blocks for any strips you do *not* want stored in and recalled with the Meter Layout.

- Tap a block in the Store Meter Layouts grid. The block highlights and is automatically numbered, and **Store** appears at the far right of the commands across the bottom of the screen. The Meter Layout Name field also appears with a flashing cursor.
- To link the current Meter Layout to an existing Layout, tap the desired Layout in the upper area of the Store grid. The Meter Layout number appears in the block for that Layout.
- To store the Meter Layout with only its assigned number for its name, tap **Store**. To enter a custom name for the Meter Layout tap the Meter Layout Name field, enter a name using the on-screen keyboard, then tap **Enter**.



For complete instructions on creating track, Post, and Meter Layouts, see the *S6 Guide*.

Soft Keys for Meter Layouts

Like other types of Layouts, Meter Layouts are available in the Soft Key Editor for assigning to custom Soft Keys.

Meter Layouts Soft Keys in S6 v3.7

Command	Command Type	Category 1	Category 2	Category 3
Meter Layout 1–n	Surface >	Titles >	Meter Layout Recall >	<Meter Layout 1–n>

Recalling Meter Layouts

You can recall stored Meter Layouts from the Master Module Soft Keys when in Meters view.

To recall Meter Layouts:

1 Do either of the following:

- Navigate to the Home screen and press **Meters**.
- Or press **Shift + Tracks** on the Master Module.

When showing the Meters screen, the **Tracks** switch lights orange.

2 Press the **Layout Mode** switch on the Master Module.

The Master Module Soft Keys show available Meter Layouts. Meter Layouts are only shown when in Meters view.

As previously described, you can also link Meter Layouts to standard Track Layouts so they recall together.

When recalling standard Layouts from the Soft Keys (**Layout Mode**), any Layouts that have linked Meter Layouts are indicated with a unique icon:

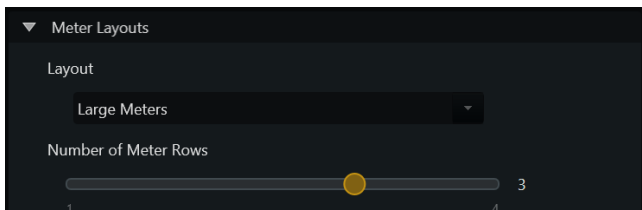


Soft Key icon for a linked Meter Layout

Configuring MMM Display Settings

The controls in the Meter Layouts section of the Tracks > Local Options screen lets you configure the layout of MMM displays.

- The Layout selector sets whether MMMs show Large Meters, Large Waveforms, or Meters and Waveforms. When viewing a Meter Layout on an MMM you can cycle through the available views by pressing **Display 1** or **2** on the Master Module. While actively assigning tracks to Meter Layouts, pressing **Shift + Display 1** or **2** adjusts waveform zoom on the MMM (you can adjust MMM zoom at any time from the [Additional Master Meter Display Settings](#)).
- The Number of Meter Rows slider configures the MMMs to display tracks in 1, 2, 3 or 4 rows (each row can show 8 tracks).



Meter Layouts settings in Tracks > Local Options

Both of these settings are stored per Meter Layout.

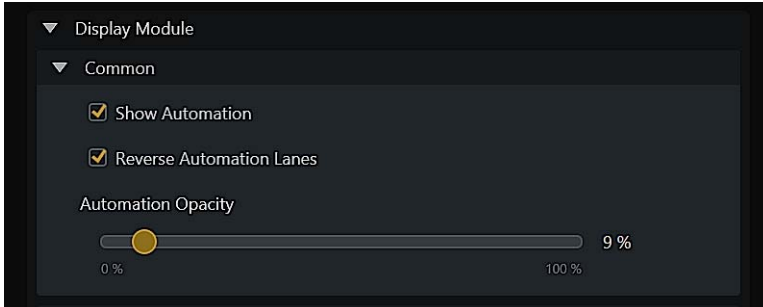
Additional Master Meter Display Settings

The Common settings in the Display Module section of **Settings > User** let you control the following aspects of standard Display Modules and Master Meter Display Modules:

Show Automation Enables display of automation on waveforms.

Reverse Automation Lanes Toggles the orientation of displayed automation left-to-right.

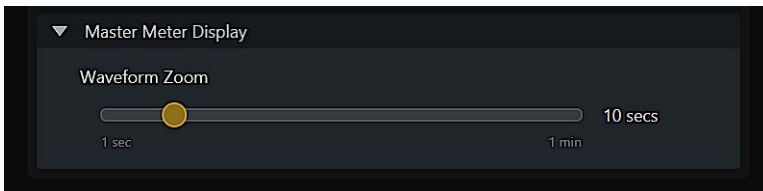
Automation Opacity Sets the opacity of displayed automation between 0 (fully transparent) and 100 (fully opaque).



Common Display settings in Settings > User

The Master Meter Display setting in the Display Module section of **Settings > User** lets you control the following aspects of MMMS (only):

Waveform Zoom Sets the size of displayed waveforms. When viewing a Meter preset on an MMM you can adjust the Waveform Zoom by pressing **Display 1** on the Master Module.



Master Meter Display settings in Settings > User

Auto-Load Layouts and Meters

In **Settings > System**, the previously available choice for Layouts has been changed and is now **Layouts and Meters**. When enabled, S6 loads all standard and Meter Layouts stored in a Title, session or project.

EQ and Dyn Cycling

(Requires Pro Tools 12.8.2 or Higher)

When EQ or Dyn is enabled on a Process Module, double-pressing the **EQ** or **Dyn** switch cycles to the next EQ or Dynamics plug-in on that track.

EQ and Dyn cycling is accessed on Process Modules only, it is not available from the Master Module touchscreen.

Soft Keys

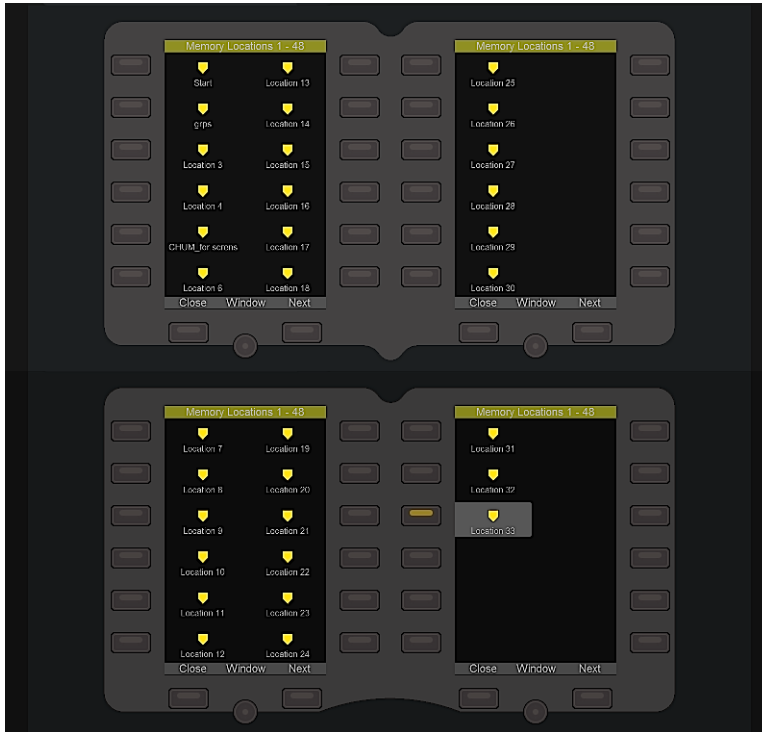
The following new Soft Keys features are provided in S6 v3.7.

New QuickViews for Memory Locations (Shift + Mem Loc) and Layouts

The factory appset for S6 version 3.7 includes a new Memory Locations QuickView that lets you quickly access up to 96 memory locations or Window Configurations across the Master Module and Automation Module Soft Key banks.

To access Memory Locations view:

- 1 Hold **Shift** on a Fader Module and then press the **Mem Loc** switch on the Automation Module, above the numeric keypad. The four Soft Key banks on the Master and Automation Module jump to Memory Locations view. Press **Next** for 49–96.



Memory Location views in Master Module and Automation Module Soft Keys

- 2 To return to the home view on all Soft Key banks, press the Soft Key for Close under any of the four Soft Key banks.



*If you have customized any Soft Keys, use the **Save** command in **Settings > Soft Keys** to store them for archiving or transfer. Press **Factory** to reset all Soft Keys to their factory default assignments. To restore your saved custom Soft Keys, use **Load**.*

Other New and Improved Features

S6 v3.7 provides the following new and improved features.

Show Workstation Number

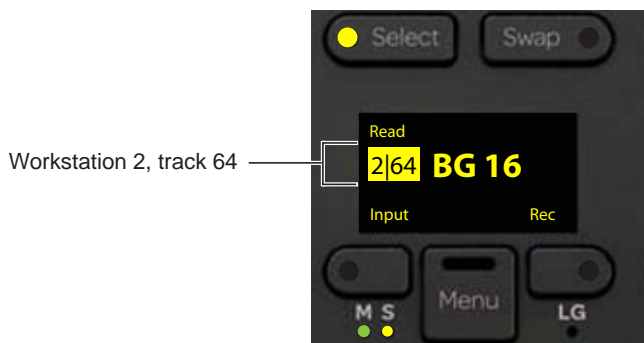
Similar to Track Numbers, you can now choose to have the Workstation number displayed to the left of the Track name on strip OLEDs on Fader Modules, Track Name blocks Display Modules, and on the Master Module in the Meter and Track Scrollers.

 *Track and Workstation numbers are only shown in the Meter Scroller when the Home screen Local Option Link Meter Scroller to Track Scroller is disabled.*

The Workstation number is derived from the order in which workstations are listed in the Connected column in the Settings > Workstation page.

To show or hide Workstation number:

- 1 To to Settings > User, and navigate to the Strips section.
- 2 Tap to toggle the Show Workstation Number setting on or off.
When enabled, displays show Workstation number to the left of the track number separated by a vertical line (such as 1|1 for workstation 1/track 1, and 2|4 for workstation 2/track 4).



Fader Module display for a track when Show Workstation Number is enabled

Improved Workstation Switching

Switching between workstations has been optimized and is now significantly faster.

Improved Attention Key Behavior on Automation Module

When a track is attentioned it automatically appears on the Attention Fader on the Automation Module. You can clear that track from the Attention Fader by pressing the lit Automation Module Attention key.

Update Firmware on Selected Modules Only


In the Settings > Surface, Config page, you can now choose to update only specific modules by first selecting them and then pressing Update.

To update firmware on all modules, press Update All.

Chapter 3: Updating S6 System and Workstation Software

The process for updating S6 software and activating the required software license involves these steps:

- **S6 Software Activation**
- **Logging in as Administrator and Updating Master Module Software**
- **Activating Your Software License**
- **Installing S6 Supporting Software**

 *These instructions apply to customers with support contracts who are entitled to the latest software release. If you are configuring a new S6 system for the first time, refer to the *S6 Guide.pdf* for complete network and configuration instructions.*

Network Configuration Settings

Installing a new version of S6 software overwrites any custom network settings you have configured. For example, if you have customized the IP range for the local Master Module DHCP server, they will be reset to the 192.168.2.x range. If you have manually changed the S6 IP range you will have to re-enter your custom settings after installing the latest S6 software on the Master Module.

For additional information see the *S6 Networking Guidelines.pdf*, available for download from your Avid Account and from the **Avid S6 Support** article on our Knowledge Base.

S6 Software Activation

1 (Required) If you have not already done so, use the System ID on the included *S6 System Software Activation Card* to activate your Avid account for S6:

- Go to <https://my.avid.com/products/Hardware/Console> and log into your Avid Account (or create a new one, if necessary).
- Enter the System ID number from the S6 System Software Activation Card (shown at right) included in the Master Module package.

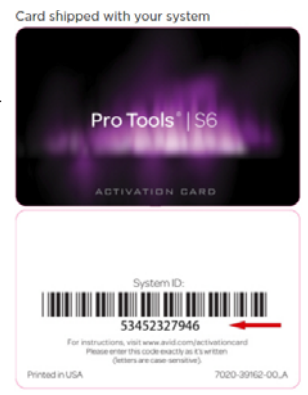
Your System ID can be found on the *S6 System Software Activation Card* included in the front pouch of the *S6 Installation Guide*. Activating deposits your S6 software *Activation ID* number into your account, which you will use later to acquire your S6 software license, as well as software downloads and documentation.

2 (Required) Acquire your S6 Software License.

- Make sure you are still logged into your Avid Master Account at <https://account.avid.com>.
- Retrieve your Activation ID number (My Products and Subscriptions > Pro Tools | S6 M40/M10 Software and Support). You will use this number later to activate your new software license.
- Download the latest versions of the S6 Master Module Software, Workstation software (Mac or Windows), and S6 documentation from your Avid account to your computer.
- Insert a USB flash drive into an available USB port on your computer.

 *Do not use the System Restore USB drive! Use a separate USB flash drive.*

- If necessary, extract (decompress) the .ZIP file containing the Master Module software to unzip it, then copy the resulting file (.exe) to the top (root) level of your USB drive.
- Workstation software: If you will be using a different computer or computers for Pro Tools or other compatible DAWs, copy the appropriate Workstation software (Mac and/or Windows) to the top (root) level of the USB drive.
- Remove (eject) the USB drive.



Logging in as Administrator and Updating Master Module Software

To install and update S6 Master Module software:

- 1 If you have not already done so, navigate the touchscreen to the **Settings > About** page and press **Logout**.
- 2 Select **Administrator**. When prompted enter the following default password: **password**
- 3 Click the **File Explorer** tile.
- 4 Plug the USB flash drive with the downloaded S6 Master Module installer into one of the available USB ports on the back of the Master Module. The USB drive appears in the left hand column under **Computer**.
- 5 Tap on the USB flash drive to see the contents.
- 6 Launch (run) the **S6MasterModuleInstall** software from the flash drive by double-tapping on the icon. Follow the instructions on-screen. After the installer has completed you will be prompted to restart the system.
- 7 Tap **Yes** to restart the system immediately.
 - If after restarting the **Software License Activation** screen appears, proceed to [Activating Your Software License](#).
 - If not, proceed to [Installing S6 Supporting Software](#).

Activating Your Software License

S6 Master Module software is licensed and must be activated if prompted to do so after installation. If the **Software License Activation** screen appears, do the following to perform an **Offline Activation**.

Offline activation requires a separate computer and USB flash drive. You can use the same USB flash drive on which you copied the **S6MasterModuleInstall** software.

 *Do not use the System Restore USB drive! Use a separate USB flash drive.*

About Online Activation Online Activation should only be performed while in direct contact with Avid Customer Support.

Offline Activation

Make sure you have the System ID number and software Activation ID, and also make sure you have installed the new software and restarted your system.

To activate S6 software using offline activation:

- 1 After the system has restarted, the **Software License Activation** screen appears. Help text appears in the lower half of the screen.

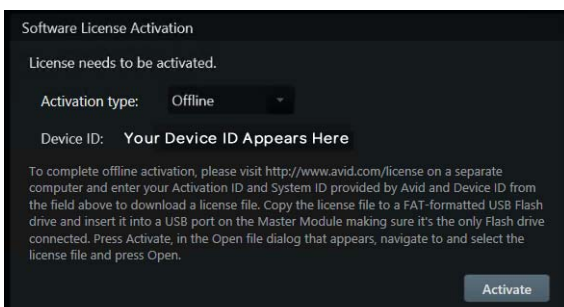


Figure 1. S6 Software License Activation screen for offline activation

- 2 Make sure **Offline** is selected for the **Activation Type**. If not, tap the selector and choose **Offline**.

- 3 On a separate computer go to <http://www.avid.com/license> to access the Software License Activation page.

Figure 2. Software License Activation page

- 4 Enter the following information, making sure to enter all characters and numbers correctly (fields are not case-sensitive):
 - Enter your Activation ID into the Activation ID field. Once entered, a System ID field appears. Press Tab to go to the next field.
 - Enter your System ID into the System ID field. Press Tab to go to the next field.
 - Enter your Device ID (shown on the S6 Software License Activation screen) into the Device ID field.When a valid ID number is entered into each field, a green check mark appears. If any characters are incorrect, and until the correct number of characters has been entered, an error message appears.
- (Optional) Enter the email address associated with your Avid account to receive an email with a copy of your license file.

- 5 Click Submit, then follow the instructions on-screen to do the following:

- Download the license file (.bin) to your computer, then transfer the license file to a USB flash drive.

⚠ Do not use the System Restore drive. Use a separate USB flash drive (not included), formatted as FAT or FAT32.

- Remove the USB drive from your computer, then insert it into one of the USB ports on the back of the Master Module.

- 6 On the S6 touchscreen, tap Activate. A standard Windows Open dialog appears.

- 7 Navigate the dialog to the USB drive, select the downloaded license file (“S6xxx.bin”) and tap Open.
After a few moments your software will be activated.

- 8 After activating your software, if you are prompted to update module firmware after the system restarts do the following:

- Navigate to the Settings > Surface page and press Update.



If no Update option is displayed either the system hasn't completely booted yet, or a module is selected on that screen. Wait for the system to finish starting up, and be sure no module is selected on-screen (indicated by a lit rectangle surrounding that module).


- When prompted, confirm the update and then wait until all modules have updated (which can take several minutes). Do not turn off any modules during this process. The screen displays a message confirming that the update has completed.

- 9 Proceed to **Installing S6 Supporting Software**.

Installing S6 Supporting Software


Your Avid Master Account also provides workstation software for Windows and Mac, and S6 documentation. XMON EUCON and Studio Monitor Pro2 software options are included in these installers.

Whenever you update S6 system software you must also update workstation software on all connected workstations.

 *EUCON now installs into a default directory for all EUCON devices (including, Artist Series, S3, System 5 and S6). This lets you co-install all software for these devices. In practice, this means you do not need to uninstall and re-install EUCON software when switching between different EUCON control surfaces.*

After updating S6 system software, do the following:

- 1 If you have not already done so, on a separate computer navigate to <https://account.avid.com>, log in to your Avid Master Account (or create one if you have not already done so), and download WSControl (workstation) software, documentation, and other resources from the My Products and Subscriptions section under Pro Tools | S6 Software and Support.

 *You can download these components directly to the workstation(s) you plan to use with S6, or to a USB flash drive as described in the following steps.*

- 2 If necessary, transfer the installers to a USB flash drive.

 *Do not use the included System Restore USB drive! Use a separate USB flash drive.*

To install WSControl (workstation) software:

- 1 Insert the USB drive containing the downloaded WSControl installer into an available USB port on your workstation.
- 2 Navigate to the USB drive, double-click the Workstation Software installer and follow the instructions on-screen. To install XMON EUCON or Studio Monitor Pro2 (Windows only) make sure their options are checked.



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