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Chapter 1: Introduction

This document describes the new and changed features in S6 Software version 3.5 for Pro Tools® | S6 systems.

For a complete description of features, see New and Changed Features in S6 Software v3.5.

The previous version of S6 software was 2.2 (see Why Did S6 Software Jump from 2.2 to 3.5?).

System Requirements and Compatibility

S6 Software version 3.5 requires the following:

- S6 v3.5 software license
- Pro Tools 12.6
- 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/en/products/pro-tools-s6/specifications

DAW Compatibility At the time of this writing, S6 Software v3.5 is compatible with the following (or higher versions):

- Avid Pro Tools 12.6
- 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
- DAD/NTP Technology PRO | MON monitor control

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

Important!

The EUCON performance improvements included in S6 v3.5 makes v3.5 and later versions incompatible with all 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 any previous EUCON Surface software. All devices on the network must be running the same version of EUCON/EuControl. Please uninstall or remove from the same network all previous S6, System 5 Hybrid, S5-MC/MCPro, Pro Tools | Dock, Pro Tools | S3, and Artist Series software. Be sure to update other EUCON software to v3.5 or higher before using EuControl v3.5 or higher.

- 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.

Compatible software for System 5 will be released in the near future.
Product Activation and Registration, and Software License Activation

As soon as you have assembled your S6 system and confirmed a successful hardware installation, activate your S6 system software online. Use the alphanumeric code on the S6 System Software Activation Card included with your Master Module to activate and download all S6 system software and documentation.

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

💡 Be sure to activate your purchase using the Activation Card included with the Master Module so you can receive software updates and your software License Activation ID directly in your Avid account. Check your Avid account for system software updates, Workstation software, and monitor control software (XMON EUCON software).

Registering

By registering, you become eligible to receive the following:

- Technical support information
- Software update and upgrade notices
- Hardware warranty information

Software License Activation Information

After installing the new S6 MasterModule software, you might be prompted to activate or update your software license. For more information, see Licensing Improvements.
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:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>File &gt; Save</td>
<td>Choose Save from the File menu</td>
</tr>
<tr>
<td>Control+N</td>
<td>Hold down the Control key and press the N key</td>
</tr>
<tr>
<td>Control-click</td>
<td>Hold down the Control key and click the mouse button</td>
</tr>
<tr>
<td>Right-click</td>
<td>Click with the right mouse button</td>
</tr>
</tbody>
</table>

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 Changed Features in S6 Software v3.5

S6 Software v3.5 following new and changed features in the following areas:

• EUCON Improvements and Consolidation
• Navigation and Display
• Pan Indicators on Display Modules
• Soft Keys
• New and Improved Master Post Module Features
• New Master Joystick Module Features
• Additional Enhancements
  • LED Calibration and Brightness Control
  • Licensing Improvements
• Improved Management of Network Connections
• New and Changed Preference Settings

💡 S6 v3.5 requires a new software license. For instructions, see Updating S6 System and Workstation Software.

Be sure to check the S6 Software v3.5 ReadMe for additional information.

EUCON Improvements and Consolidation
(Requires Pro Tools 12.6 or Later)

This release includes a new version of EUCON that improves performance while loading sessions, banking, recalling Layouts, and attentioning tracks.

Why Did S6 Software Jump from 2.2 to 3.5?

The version numbering for S6 software has been changed to support co-releasing S6 software along with EuControl for Pro Tools S3, Pro Tools Dock, Artist Series, MCPro and other EUCON controllers. This simplifies development and testing, and improves reliability across all controllers. The performance improvements provided in S6 v3.5 are also included in the upcoming EUCON 3.5 release.

Important!

The EUCON performance improvements included in S6 v3.5 makes v3.5 and later versions incompatible with all 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 any previous EUCON Surface software. All devices on the network must be running the same version of EUCON/EuControl. Please uninstall or remove from the same network all previous S6, System 5 Hybrid, S5-MC/MCPro, Pro Tools | Dock, Pro Tools | S3, and Artist Series software. Be sure to update other EUCON software to v3.5 or higher before using EuControl v3.5 or higher.

• 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.

💡 Compatible software for System 5 will be released in the near future.
Navigation and Display

New navigation features include the following new User Preferences and Tracks Local Options settings:

💡 In addition to the new settings described below, the User Preferences page has been reorganized. See Improved Management of Network Connections.

Attention Most Recently Selected Track
(Settings > User, Attention)

In previous versions of S6 software, this setting was a simple on/off checkbox. When enabled, selecting a track by pressing its Select switch also attentioned that track.

Beginning in S6 software v3.5, this setting has a drop-down menu with Off, On, and the additional (new) choice From Focused DAW Only.

- **Off** Selecting a track does not automatically attention that track.
- **On** Selecting a track on any connected DAW automatically attentions that track. If Focus Workstation of Most Recently Attentioned Track is also enabled, the host DAW becomes the focused DAW.
- **From Focused DAW Only** Selecting a track on the focused DAW automatically attentions that track. Selecting a track on any other connected DAW does not attention that track, which also does not change DAW focus if Focus Workstation of Most Recently Attentioned Track is enabled.

Attention Track of Most Recently Selected Solo
(Settings > User, Attention)

When enabled, this setting links track attention with strip Solo selection. Soloing a track automatically attentions the corresponding track.

Pressing Clear Solo (to clear all currently soloed tracks) leaves the last soloed track attentioned.

Auto-Collapse Spill Zones with Layout Recall
(Settings > User, Strips)

When enabled, recalling a Layout automatically collapses the currently enabled Spill Zone(s).

Make sure neither Spill Zone is selected (make sure neither L Spill or R Spill are lit white).

If necessary, press L Spill and/or R Spill so that their switch LEDs light in the color corresponding to what is spilled (dark green for VCAs, light blue for Track Types, or dark blue for Layouts).
Auto Expand Functions
(Settings > User, Strips)

This setting lets you designate functions to automatically expand when they are selected. In use, enabling this setting can save you a step of first enabling Exp (Expand) on a strip before selecting a function.

To use Auto Expand Functions:
1. Go to the Settings > User page, and scroll down to the Strips section.
2. In the Auto Expand Functions section, tap to select each function you want to configure for auto expand.

Not all functions apply to all DAWs. For example, HEAT only applies to Pro Tools, and Quick Controls only applies to Cubase and Nuendo.

3. Bank the desired track to a strip on the surface.
   Make sure the strip is not below either Knob Module designated as an Expand Zone.

4. On a Process Module, press a Function switch for a function you enabled to Auto Expand in the previous step.
   In that strip on the Process Module, the Exp switch lights. On the corresponding Knob Module(s), parameters for the selected function occupy as many encoders as required.

5. To expand a different function on that strip, press the switch for the desired function.

6. To exit, do any of the following:
   • Press the lit Exp switch on a strip.
   • To collapse all currently expanded functions, press the Master Module All switch and then press any lit Exp switch.
   • Press a Function switch for any function that is not enabled for Auto Expand.
**Pan Indicators on Display Modules**

Additional pan information is now shown on Display Modules when in any Function view. The new User Setting *Panner Divergence and Position Display Mode* lets you configure how much information is shown.

**Panner Divergence and Position Display Mode** This setting lets you configure the display of divergence and pan position (trajectory lines) on Display Modules. The available settings are the same as those available on the Master Module surround panner, but only affect Display Modules.

To configure Display Module pan view:

1. Go to *Settings > User*, and scroll down to the *Display Module* section.
2. Tap the *Panner Divergence and Position Display Mode* selector and choose one of the following:

   - **None** When enabled, neither Divergence or pan lines are shown on Display Modules.
   - **Left** When enabled, left channel Divergence and pan lines are shown on Display Modules.
   - **Right** When enabled, right channel Divergence and pan lines are shown on Display Modules.
   - **Both** When enabled, both left and right channel Divergence and pan lines are shown on Display Modules.

**Soft Keys**

The following table lists the new Pro Tools commands available for assignment in the Soft Key Editor:

*Newly EUCONized Pro Tools commands*

<table>
<thead>
<tr>
<th>Command</th>
<th>Command Type</th>
<th>Category 1</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layered Editing (toggle on/off)</td>
<td>EUCON</td>
<td>Options Menu</td>
<td></td>
</tr>
<tr>
<td>Clear and Send to New Playlist</td>
<td>EUCON</td>
<td>Edit Menu</td>
<td></td>
</tr>
<tr>
<td>Copy Selection to Main playlist</td>
<td>EUCON</td>
<td>Edit Menu &gt;</td>
<td>Copy Sel Main Playlist</td>
</tr>
<tr>
<td>Copy Selection to New playlist</td>
<td>EUCON</td>
<td>Edit Menu &gt;</td>
<td>Copy Sel New Playlist</td>
</tr>
<tr>
<td>Copy Selection to Duplicate playlist</td>
<td>EUCON</td>
<td>Edit Menu &gt;</td>
<td>Copy Sel Dup Playlist</td>
</tr>
<tr>
<td>Show Frozen Tracks</td>
<td>EUCON</td>
<td>Navigation &gt;</td>
<td>Show Frozen Tracks</td>
</tr>
<tr>
<td>Hide Frozen Tracks</td>
<td>EUCON</td>
<td>Navigation &gt;</td>
<td>Hide Frozen Tracks</td>
</tr>
</tbody>
</table>
New and Improved Master Post Module Features
(Require Pro Tools 12.6 or Later)

Improved Functionality for Record Ready Switches

MPM (Master Post Module) Record Ready switches now arm and disarm Pro Tools tracks, including slaves of VCAs, and indicate Ready status of tracks, VCAs, and slaves of VCAs, without requiring any modifier keys be engaged while toggling Record Ready status.

While the Transport is stopped:
• Pressing a Record Ready switch record enables the corresponding Pro Tools track (Record Ready) and record disables the track if pressed again.
• Pressing a Record Ready switch on a VCA places all its member tracks into Record Ready. When the VCA track is in Record Ready you can spill the VCA and disarm individual slaves. The Record Ready switch on any VCA always arms and disarms all slaves.

The MPM Record Ready switch LEDs light red when the corresponding Pro Tools track Record Enable button is in any of the following states:

<table>
<thead>
<tr>
<th>Pro Tools Record Enable State</th>
<th>Mode and Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashing Blue and Red</td>
<td>TrackPunch/DestructivePunch Enabled and Record Enabled</td>
</tr>
<tr>
<td>Solid Blue</td>
<td>TrackPunch/DestructivePunch Enabled but not Record Enabled</td>
</tr>
<tr>
<td>Flashing Red</td>
<td>Record Enabled, but not TrackPunch/DestructivePunch Enabled</td>
</tr>
<tr>
<td>Solid Red</td>
<td>Recording</td>
</tr>
</tbody>
</table>

Post Module Sends Record with Arm
(Settings > User, Workstation/General)

When this option is enabled, the Master Post Module sends a Transport Record Arm command each time you punch in on a track.

MPM Master Record Strip(s) Punch Out when the Last MPM Strip is Punched Out

In S6 software v2.2, when any MPM strip was set to be a Master Record paddle, any other paddle would punch in the Master Record strip, but the Master Record paddle had to be manually punched out. In S6 v3.5 the Master Record is automatically punched out after all other tracks are punched out.

In addition, Input Monitor paddles on the MPM Master Record strip also follow Input Monitor Mode status of other strips.

💡 On the MPM, the designated Master Record strip is indicated by vertical lines appearing on either side of the track name.

Locking MPM Strip 1

You can lock strip 1 on an MPM so that it remains available and is unaffected by MPM banking and spilling, or by recall of Post Layouts. This is useful for configuring a strip as a traditional PEC/Dir master strip.

To lock an MPM strip:
1. Configure a Post Layout, or bank an MPM, so that the desired track is assigned to strip 1 on an MPM.
2. On that MPM, press and hold the Attention switch in the upper left corner.
3. While still holding Attention, press the strip 1 Link switch.
   The track name display for strip 1 becomes highlighted in yellow. Strip lock remains in effect for as long as the current session is open, or until you unlock it.
4. To unlock strip 1, hold Attention and press the strip 1 Link switch again.
Using MPMs in Multi-Operator Configurations

In systems with more than one MPM and only one recorder, make sure all MPMs are connected to the S6 that is connected to the recorder. This includes multi-operator configurations.

For more information, see the S6 Networking Guidelines.pdf, available for download from your Avid account and from our Knowledge Base.

New Master Joystick Module Features

S6 v2.2 added the ability to lock strips to anchor them in their current track assignment, unaffected by banking, nudging, spilling and Layout recall. The documentation for v2.2 failed to specify that this feature is also supported on Master Joystick Module strips, in addition to Fader Modules.

To lock a strip on a Master Joystick Module:

- Press Attention + Menu in the track controls for that strip on the Master Joystick Module.

You can also lock strip assignments on the Master Post Module (see Locking MPM Strip 1).
**Additional Enhancements**

S6 v3.5 provides the following miscellaneous enhancements.
- LED Calibration and Brightness Control
- Licensing Improvements

**LED Calibration and Brightness Control**

You can customize the brightness of LEDs on a per-module basis, to match the brightness of elements on modules of varying ages or revisions. Presets are provided for the most common settings, and you can copy and paste settings among modules.

💡 *To control the brightness of all OLEDs, LEDs, and Display Modules, use the Brightness controls in the Settings > System page.*

To calibrate module LEDs:

1. Go to the Settings > Surface page.
2. In the image of your surface arrangement, tap to select a module.
   The selected module is outlined in orange, and across the bottom of the screen the command LED appears.
3. Press LED. The LED Calibration screen appears.
4. Do the following:
   - To adjust brightness for small switch LEDs (such as Back, < and >), adjust the Mono Gamma slider.
   - To adjust brightness for larger switches (such as Function switches on Process Modules), adjust the Switch Red/Green/Blue Gamma sliders.
   - To adjust brightness for knobs, adjust the Knob Red/Green/Blue Gamma sliders.
   - Load one of the LED Presets.
   - Copy and Paste LED Settings.
5. To save your settings for the currently selected module, press Done.
   LED Calibration settings are stored on the Master Module.
6. To close without changing any settings, do any of the following:
   - Press Cancel.
   - Tap to select a different module in the arrangement.
   - Navigating to any other view on the MTM.
7. Tap to select another module and repeat the previous steps.
LED Presets

Presets are provided so that you can quickly match brightness on systems that include both old and new revisions of S6 modules.

To use LED Presets, first identify the revision of each module by viewing its Part Number in the Settings > Surface page, then load the appropriate Preset. The most common use of Presets is to configure new modules to match the brightness of older modules, as explained in the following instructions.

To determine module revision:
1. If you are already in the LED Calibration screen, press Done. Otherwise, go to the Setting > Surface page.
2. In the image of your surface arrangement, tap to select a module.
   The Part Number for the currently selected module is shown in the lower section of the screen. Note the last two numbers.
   • If the Part Number ends in -00, -01, -02, or -03, the module is an early (older) revision.
   • If the Part Number ends in -13 or -23, the module is a later (newer) revision.
3. Repeat the previous step to determine the revision of all other modules in your system.

To use an LED Calibration Preset:
1. In the image of your surface arrangement, tap to select a “new” module.
   The selected module is outlined in orange, and across the bottom of the screen the command LED appears.
2. Press LED. The LED Calibration screen appears.
   Brightness settings are loaded that approximately match those of earlier modules.
4. Adjust individual brightness parameters as appropriate (module brightness changes as sliders are adjusted).
5. To save the current settings, press Done. (See also Copy and Paste LED Settings).
   LED Calibration settings are stored on the Master Module.
6. To close without changing any settings, do any of the following:
   • Press Cancel.
   • Tap to select a different module in the arrangement.
   • Navigating to any other view on the MTM.
7. Tap to select another module and repeat the previous steps.

Copy and Paste LED Settings

To Copy and Paste LED Calibration settings among modules.
1. Go to the Settings > Surface page.
2. In the image of your surface arrangement, tap to select a module.
3. Press LED.
4. Adjust individual brightness parameters as appropriate (module brightness changes as sliders are adjusted).
5. Press Copy.
6. If you adjusted any settings, press Done to save those settings for the currently selected module.
7. In the image of your surface arrangement, tap to select a different module.
8. Press LED.
10. Press Done to save those settings for the currently selected module.
    LED Calibration settings are stored on the Master Module.
**Licensing Improvements**

S6 software licenses are now valid for the entire year of the currently valid Support Contract. In previous versions of S6 software, a new license was required for each major release.

All customers with current Support Contracts must activate v3.5 by registering your System ID, in order to transition to the new yearly license system and download S6 v3.5 software.

To receive your Activation ID, go to [https://my.avid.com/products/Hardware/console](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:


Once v3.5 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 for v3.5, your Avid Account will be updated with the new S6 software for you to download, and will also show your Support Contract dates.
Improved Management of Network Connections

The S6 Master Module can be connected to one or two networks simultaneously. In previous versions of S6 software, changing the S6 network configuration required manual editing of the Network Adapter settings and DHCP configuration files. Beginning with version 3.5, network ports can be configured from the S6 Surface > Local Options (Network Interface) screen of the Master Module. These settings make it easier to maintain network connections by letting you do the following:

- Set the Master Module NIC to either static IP or DHCP.
- Specify which static NIC will use the DHCP server.
- Define the IP range the DHCP server will serve.
- Select which NIC is the S6 network if both ports on the Master Module are connected.

Who Should Use These Settings

Do not use these settings if your system is working as expected, or if you do not have advanced network experience.

⚠️ These settings are for advanced users with prior networking experience only. Incorrect settings could render your system inoperable. Consult your IT department for guidance if you are not sure of any of the required settings.

- If upgrading a system running with default settings using Master Module port 2 and the internal DHCP, you should not have to adjust any of these settings.
- If you have changed your network settings in any way it is likely that will not need to edit any of these settings.
- If you get a network error, however, use these settings to select the desired configuration.

To connect the Master Module to a different network in addition to the S6 EUCON network:

1. Make sure you are using the internal DHCP server for the S6 Network (Ethernet port 2 on the back of the Master Module).
2. Connect the other port (Ethernet port 1 on the back of the Master Module) to your other network.
3. Navigate to Settings > About, and choose Shut Down. Wait until the Master Module has completely shut down.
4. Start the Master Module by pressing the switch on the top panel, behind the touchscreen (near the Talkback Thru port).

The following message should appear on the Master Module when it restarts.

More than one Network Interface detected. Please go to the Surface Page settings and select the interface used for the surface

If it does not, make sure port 1 has a valid network connection and IP address, and restart the Master Module again.

5. Tap to dismiss the message, then go to Settings > Surface and tap the Local Options (gear) icon at the lower right of the screen.
The Network Interface panel is displayed. The upper (Network Interface) section provides settings for a single S6 network connection. The lower (Network Interfaces) section provides settings for multiple S6 network connections.

6 Choose the correct adapter for the S6 using the Network Interface selector (the topmost settings).
   • If the Internal DHCP settings haven’t been changed then this will be the network with 192.168.2.1 address as shown below.
   • If the settings have been changed, or if you want to specify settings for the different adapters, continue reading.

To configure the Network Interface 1 and Network Interface 2 settings for multiple network connections:

1 Tap the Network Interface 1 IP Setting or Network Interface 2 IP Setting selector and choose an available setting.
Choices include the following:

- **Unknown (leave unchanged)** Indicates a port that could not be determined at startup, such as if that port was not connected.
- **Custom Static IP (leave unchanged)** Indicates a port that was set to an IP outside the S6 expected range through the OS. This method is no longer recommended, and should only be used if for whatever reasons you need to continue using the previously available (pre-v3.5) method of editing the `dhcpsvr.ini` file manually.
- **DHCP**
  - Range of supported IP addresses (192.168.2 – 192.168.10), with a fixed subnet mask of 255.255.255.0.

2. If desired, click to **Enable DHCP Server on Interface** 1 (or 2).
   - This setting is only available when you have set a static IP from the fixed range. It is unavailable if the NIC is set to DHCP or the Custom/Unknown setting.

3. Once the settings are changed, the NICs are updated and then the DHCP server scripts updated. The Database file will be deleted and the system will shut down automatically.

4. Wait for the Master Module to completely shut down, and then power cycle the entire S6 system (all modules).

⚠️ **All modules and workstations must be power cycled after making changes to the NIC or DHCP settings. Failure to power cycle all modules and workstations can result in some or all modules on the wrong network.**

**Desk ID**

It is allowed, though not recommended, to change the Desk ID at the same time as changing other Network Interface settings. If the Desk ID or selected interface is changed, the system will automatically shut down (the DHCP server/NIC IP change takes precedence). It is likely that you will have to reselect the interface once the system starts up again and after you power cycle all modules.

**Specifying the S6 NIC**

Do the following to specify the S6 NIC when both Master Module ports are connected, or to revert to a single network.

**To revert to a single (EUCON) network:**

1. Go to **Settings > Surface**, click the Network Interface selector, and choose First Available.
   - This selects which NIC is the S6 network if both ports on the Master Module are connected.

   ![Network Interface configured for just S6 (EUCON) network](image)

2. Remove the network cable from Master Module port 1, then restart S6.

💡 **If you remove the cable without restarting, the next time the system is restarted a warning message is displayed. Follow the on-screen instructions to reset the Network Interface to First Available and restart.**
New and Changed Preference Settings

The User Preferences page (Settings > User) has a new section Attention. This section provides all Attention-related User Preferences in one location, including the following new settings added in v3.5.

- Attention Most Recently Selected Track
- Attention Track of Most Recently Selected Solo

Settings > User, Attention settings

Two new settings have been added to the Strips section of the Settings > User page:

- Auto-Collapse Spill Zones with Layout Recall
- Auto Expand Functions

The Workstation/General section of the Settings > User page now provides the Post Module Sends Record with Arm setting.

The Display Module section of the Settings > User page now provides the Panner Divergence and Position Display Mode setting.
Chapter 3: Updating S6 System and Workstation Software

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

- **Downloading and Transferring Software Updates**
- **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 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.

### Downloading and Transferring Software Updates

To download S6 software and other resources:

1. On a separate computer navigate to www.account.avid.com and log in to your Avid Master Account.
   
   🌟 If you have not yet created your Avid account, refer to the S6 Guide for complete instructions.

2. Navigate to **Products Not Yet Downloaded** to redeem your download code and Activation ID #.

3. Retrieve your Activation ID number (My Products and Subscriptions > S6 x.x Software Updates). You will use this number later to activate your new software license.

4. Go to the **Products Not Yet Downloaded** section and click **Download Now**. After a few moments you will be taken to the S6 section of your My Products and Subscriptions page where software updates, Workstation software, documentation, and other resources are available.

5. Download the latest versions of the S6 Master Module Software, Workstation (Mac and Windows), and S6 documentation from your Avid account to your computer.

6. 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.

7. If necessary, extract (decompress) the .ZIP file containing the Master Module software to unzip it.

8. Copy the resulting file (.exe) to the top (root) level of your USB drive, then 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.
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, use either of the following methods to activate.

**Offline Activation** Requires a separate computer and USB flash drive.

**Online Activation** Requires the Master Module be connected to the Internet to allow license Activation and Deactivation.

Avid recommends reading each section first to help decide which method you want to utilize, and to familiarize yourself with the process.

💡 See also Licensing Improvements

Offline Activation

Make sure you have collected the required System ID# and software Activation number, installed the new software, and restarted your system.

**To activate S6 software using offline activation:**

8. After the system has restarted, the Software License Activation screen appears.

9. Make sure Offline is selected for the Activation Type. If not, click the selector and choose Offline.
10 On a separate computer go to http://www.avid.com/license to access the Software License Activation page.

11 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 field for System ID appears.
   • Enter your Device ID (shown on the S6 Software License Activation screen) into the Device ID field.
   • Enter your System ID into the System ID field.
   • (Optional) Enter the email address associated with your Avid account to receive an email with a copy of your license file.
     When a valid ID number is entered into each field, a green check mark appears. If any characters are incorrect, and until the cor-
     rect number of characters has been entered, an error message appears.

12 Click Submit, then follow the instructions on-screen to do the following:
   • Download the license file 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.


14 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.

15 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 mod-
ule).
   • 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.

16 Proceed to Installing S6 Supporting Software.
Online Activation

Online Activation requires the Master Module to be connected directly to the Internet.

- If your Master Module is already connected to the Internet (via Ethernet port 1 on the Master Module), skip to step 4.
- If your Master Module port 1 is already connected to a recommended router, but the router is not connected to the Internet, you must connect the WAN port of the router to the Internet. After doing so, skip to step 4.
- If you are currently using port 2 (S6 internal DHCP), you must first shut down, connect port 1 to the Internet, restart, update S6 Master Module software, and then Activate as explained beginning in step 1 below.

To activate S6 software using online activation:

1. Navigate the Master Module to Settings > About, and choose Shutdown.
2. Connect the Master Module to the Internet by connecting a network cable to Ethernet port 1 on the back of the Master Module.
3. Restart the Master Module.
4. Make sure you have collected the required System ID# and software Activation number.
5. After the system has restarted, the Software License Activation screen appears.
6. Make sure Online is selected for the Activation Type. If it is not, click the selector and choose Online.
7. Enter your Activation ID and System ID numbers. (Fields are not case-sensitive.)
   When the correct number of characters are entered into each field, a green check mark appears. Note that this only verifies the number of characters entered, not the accuracy of the characters (double-check that you have entered the correct IDs).
8. Tap Activate. After a few moments your software will be activated.
9. If you had to disconnect and reconnect your Master Module before activating, do the following:
   • Ignore any messages to update firmware for now.
   • Go to Settings > About, and press Shutdown. Wait for the Master Module to fully shut down.
   • Reconnect all devices as they were prior to activation.
   • Restart the Master Module.
10 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.

11 Proceed to Installing S6 Supporting Software.

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**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 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 S6 Software Updates.

    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.