



Whats New in Pro Tools | S6

Version 2.0

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

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Chapter 1: Introduction

This document describes the new and changed features in S6 Software version 2.0 for Pro Tools® | S6 systems.



For a complete description of features, see **New and Changed Features in S6 Software v2.0**.

System Requirements and Compatibility

S6 Software version 2.0 requires Pro Tools 12.1 or later, and is also compatible with Pro Tools 11.3.2 (though not all S6 v2.0 features and fixes will be available) and 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/US/products/Avid-S6/tech-specs>

Activation and Registration

As soon as you have assembled your S6 system and confirmed a successful hardware installation, activate your S6 system software on-line. Use the alphanumeric code 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.



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, and Studio Monitor Pro).

Registering

By registering, you become eligible to receive the following:

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

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 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/US/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.

<https://www.avid.com/US/Support/index.html>

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, available from the main S6 product page:

<http://www.avid.com/US/products/avid-S6>

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/US/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 v2.0

S6 Software v2.0 includes the following new and changed features:

- **Software Installation and License Activation**
- **Navigation, Surface Controls, and Display**
 - **Flip to Faders**
 - **Bank and Spill Zone Justification Settings**
 - **Indication of Hidden Tracks**
 - **Indication of Expand Mode on Display Modules**
 - **EQ, Dyn, and Pan on Display Modules in Expand Mode**
 - **Knob Speed and Sensitivity**
 - **Assignable Knob**
- **Automation Breakpoint Data on Display Modules**
- **Spill Zones**
 - **Configuring Spill Zones**
 - **QuickStart for Using Spill Zones**
 - **Spilling VCAs, Layouts, Tracks, and Workstations**
 - **Attention Track Function Spill (Expand Zones)**
- **Layouts**
 - **Automatic Saving and Loading of Layout Sets by DAW**
 - **Accessing Layout Mode**
 - **Saving Changed Layouts to New or Current**
 - **Creating New Layouts Based on Currently Banked Tracks**
 - **Spilling Selected Tracks to a Zone**
 - **Saving Changed Layouts to New or Current**
 - **Automatic Saving and Loading of Layout Sets by DAW**
- **Soft Keys**
 - **Overview of Changes to Default Soft Keys**
- **Other Additions and Enhancements**
 - **New Preference Settings**
 - **New Tracks Screen Local Options**
 - **New Home Screen Local Options**
 - **New Surface Arrangement Options for Attention Track Expand Modules**
 - **Send Mute Indication in Track Scroller**
 - **Improved EQ Mapping in Expand Mode**
 - **Soft Keys for Nuendo and Cubase**



Be sure to check the S6 Software v2.0 ReadMe for additional information.

Software Installation and License Activation

Starting with version 2.0, S6 Master Module software is licensed and must be activated (offline or online) before it can be used.

Offline Activation Requires a separate computer and USB flash drive.

Online Activation Requires the Master Module be connected to the Internet.

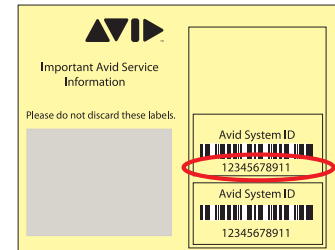
Before you Begin

◆ Go to <https://www.avid.com/US/account>, log into your Avid account, and retrieve your Activation ID number (My Products and Subscriptions > S6 Software Updates).

◆ Make sure you have your S6 System ID number at hand (shown at right, and included with the Master Module). This ID number (along with your S6 software Activation ID number) is required to activate your software license.



Your System ID is also printed on a label on the underside of the Master Module. If for any reason you cannot find your System ID, contact Avid support.



When you have both your Activation ID# and System ID, proceed to either **Offline Activation** or **Online Activation**. We suggest reading through each section first to help you decide which method you want to utilize, and to familiarize yourself with the process.

Offline Activation

To activate S6 software using offline activation:

1 Update S6 Master Module Software by doing the following:

- Log into your Avid account, download the software update and transfer the installer to a USB flash drive.
- On S6 go to **Settings > About**, choose **Logout**, then log back in as **Administrator**.
- Insert the USB flash drive into a USB port on the Master Module and launch the installer to update Master Module software.
- Follow the on-screen instructions to complete the installation (may include restarting the system).



*For step by step software installation instructions, see **Updating S6 System and Workstation Software**.*

When the system restarts, the Software License Activation screen appears. Help text appears in the lower half of the screen.

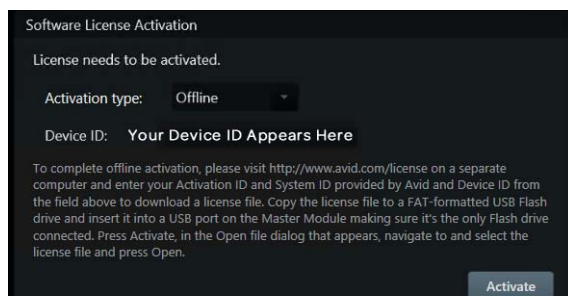


Figure 1. S6 Software License Activation screen for offline activation

2 Make sure **Offline** is selected for the Activation Type. If not, click 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 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.
 - Enter your email address (use the address associated with your Avid account) to receive an email with a copy of your license file attached to the message.

When a valid ID number is entered into each field, a green check mark appears. If any characters are incorrect, or if the correct number of characters has not been entered, an error message appears.

- 5 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.

- 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. Follow any instructions on-screen to update firmware, and be sure to update S6 Workstation software (included with the S6 software download) on all connected workstations.

 For step by step software installation instructions, see [Updating S6 System and Workstation 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.

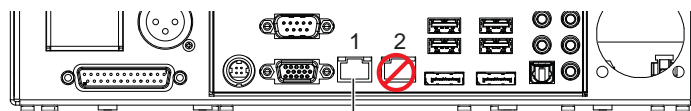


Figure 3. Master Module back panel Ethernet ports 1 (left) and 2 (right)

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.

⚠ When activating S6 software, do not connect to port 2, only to port 1.

3 Restart the Master Module.

4 Update S6 Master Module Software by doing the following:

- Download the software update and transfer the installer to a USB flash drive.
- On S6 go to **Settings > About**, choose **Logout**, then log back in as Administrator.
- Insert the USB flash drive into a USB port on the Master Module and launch the installer to update Master Module software.
- Follow the on-screen instructions to complete the installation (may include restarting the system).

 For step by step software installation instructions, see [Updating S6 System and Workstation Software](#).

When the system restarts, the Software License Activation screen appears. Help text appears in the lower half of the screen.

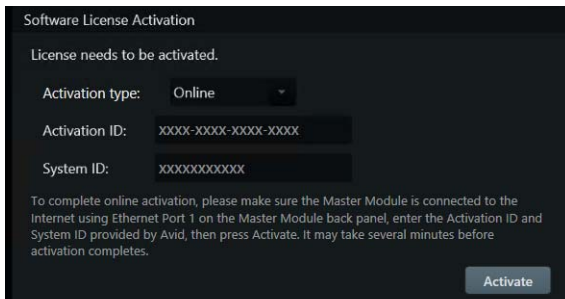


Figure 4. S6 Software License Activation screen for online activation

5 Make sure Online is selected for the Activation Type. If it is not, click the selector and choose Online.

6 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).


7 Tap Activate.

After a few moments your software will be activated.

8 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.

9 Follow any instructions on-screen to update firmware, and be sure to update S6 Workstation software (included with the S6 software download) on all connected workstations.

 For step by step software installation instructions, see [Updating S6 System and Workstation Software](#).

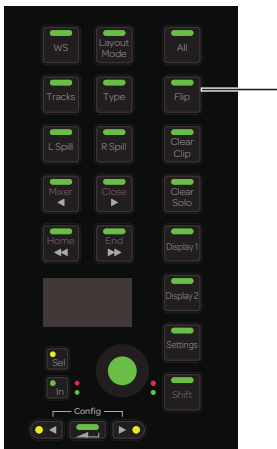
Navigation, Surface Controls, and Display

New surface navigation, control, and display features include the following:

- **Flip to Faders**
- **Bank and Spill Zone Justification Settings**
- **Indication of Hidden Tracks**
- **Indication of Expand Mode on Display Modules**
- **EQ, Dyn, and Pan on Display Modules in Expand Mode**
- **Knob Speed and Sensitivity**
- **Assignable Knob**

Flip to Faders

The **Flip** switch on the Master Module lets you flip parameter control of certain functions from knobs onto faders globally across the surface.



Master Module Flip switch

To flip rows of parameters sequentially to faders:

- 1 Press **Flip** on the Master Module.

The LED lights white and the first row of knobs flip to the faders. Volume control flips to the corresponding row of knobs, which also light white. On the Fader Module display, the currently flipped parameter name appears below the track name.

- 2 Press **Flip** again.

The second row of parameters flips to the faders, and volume control moves to the newly flipped knobs.

- 3 To flip the next row of parameters, press **Flip** again.

- 4 To exit Flip mode, continue pressing **Flip** until no more rows of parameters are available (it automatically disables), or press **Shift + Flip**.

Certain functions automatically cancel Flip mode, such as spilling tracks and enabling Expand on a flipped strip.

Bank and Spill Zone Justification Settings

Bank Justification settings let you specify how selected tracks are justified on the surface.



Banking to selected track behavior is determined by the current settings for Auto-Bank to Selected Track Mode setting in Settings > Preferences.

Separately, you can also set justification for each Spill Zone.



Bank and Spill Justification selectors in Settings > Preferences

To set bank justification:

- 1 Go to Settings > Preferences, and scroll to the Banking section at the top of the screen.
- 2 Tap the Bank Justification Mode selector and choose one of the following:

Left Tracks appear on strips starting with strip 1 (left-most strip), providing “end stop” banking.

Left of Master Module Tracks appear on strips starting with the strip closest to the left side of the Master Module.

Right of Master Module Tracks appear on strips starting with the strip closest to the right side of the Master Module.

Right Tracks appear on strips starting with the last (right-most) strip.

To set Spill Zone justification:

- 1 Go to Settings > Preferences, and scroll to the Banking section at the top of the screen.
- 2 To set justification for the left Spill Zone, tap the left-most selector under Spill Left and Spill Right Justification Mode and choose Left or Right. (These provide identical functionality as the Bank Justification modes, except they apply only to zones.)
- 3 Repeat for the right Spill Zone.



For more information on configuring and using spill zones, see [Spill Zones](#).

Indication of Hidden Tracks

Three new Preferences let you choose whether or not hidden tracks are shown in Banking, Layout, or VCA modes. When configured to be shown, hidden track names are dimmed on the touchscreen, on Fader Modules, and on Display Modules.

To configure hidden track display:

- 1 Go to Settings > Preferences.
- 2 In the Strips section, enable the following settings as desired:

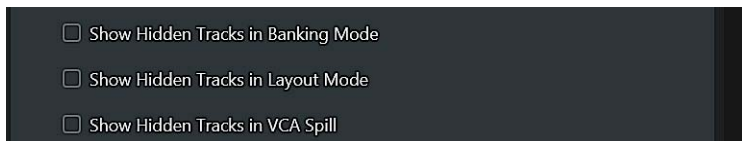
Show Hidden Tracks in Banking Mode When enabled, hidden tracks are visible in Banking mode and can be assigned to Layouts (default is disabled).

Show Hidden Tracks in Layout Mode When enabled, hidden tracks stored in Layouts are visible when the Layout is recalled (default is enabled).



In Layouts mode, hidden tracks are not shown in the track screen even when the preference to show hidden tracks is enabled.

Show Hidden Tracks in VCA Spill When enabled, hidden tracks are visible when their master VCA is spilled (default is enabled).



Hidden Track settings in Settings > Preferences

Hidden Tracks on the Touchscreen and Fader Modules

When enabled to be shown in Banking mode, hidden tracks on the Tracks and Home screens have dimmed track names in the Track matrix, Meter scroller and Function scroller. Track Numbers (if enabled) are hidden. On Fader Modules, strip displays are dimmed.

Hidden Tracks on Display Modules

When hidden tracks are shown, they are indicated on Display Modules and distinguishable from muted tracks as follows:

- If the track is hidden but unmuted, track name (only) is dimmed, and no track number is shown (“2” in Figure 5).
- If the track is hidden and muted, the entire strip is dimmed, and no track number is shown (“3” in Figure 5).
- If a track is muted, the entire strip is dimmed, track name is dimmed slightly, and track number is shown (“4” in Figure 5).
- If a track is inactive, the “@” symbol appears before its group or input/output assignments.

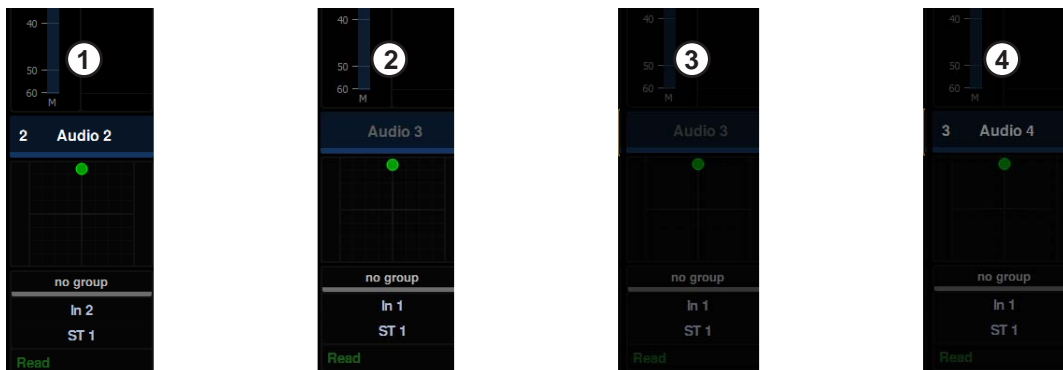


Figure 5. Hidden tracks (images 2, 3, and 4) on a Display Module

- 1 – Shown and unmuted
- 2 – Hidden
- 3 – Hidden and muted
- 4 – Muted

Indication of Expand Mode on Display Modules

Whenever any track is in Expand mode, an orange outline appears around the track name of the expanded track on its Display Module strip. When Expand mode is enabled on more than one strip, the outline appears around the most recently expanded strip name. If the Display Module is in any Function view, the knobs are also outlined in orange. When Display Modules are set to display two functions, both sets of knob functions are outlined.

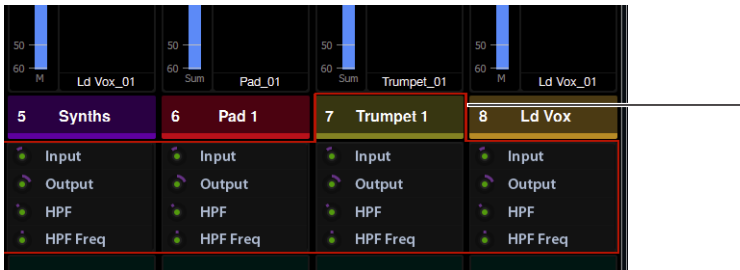


Figure 6. Indication of Expand mode on a Display Module (track 7)

EQ, Dyn, and Pan on Display Modules in Expand Mode

When Expand mode is enabled, Display Modules in any Function view show EQ or Dynamics graphs, or Pan, as follows:

- When EQ is expanded, the EQ graph appears on strip 3 (replacing the input and output Function display).
- When Dyn is expanded, the dynamics graph appears on strip 8.
- When Pan is expanded, pan appears on strip 8.

Knob Speed and Sensitivity

New Preference settings let you optimize knob response. Two pairs of controls are available (Maximum Speed, and Sensitivity) to configure response settings for function knobs and, separately, for pan knobs.

Knob Maximum Speed and Knob Sensitivity configure the response for all function knobs other than pan. Pan Knob Maximum Speed and Pan Knob Sensitivity configure the response for knobs controlling pan, only.

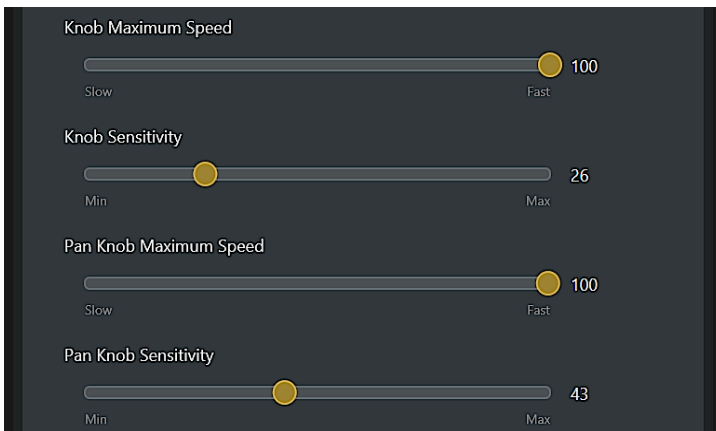


Figure 7. Knob Speed controls in Settings > Preferences

Rotating any knob slowly adjusts parameters at the finest resolution available from the function/parameter. The following settings determine response when knobs are turned quickly.

Speed Determines the range of a knob relative to the minimum to maximum values of the current parameter. At its lowest setting (10), rotating a knob quickly requires approximately two complete rotations to go from minimum to maximum. At its highest setting (100), parameters go from minimum to maximum value with a single rotation of the knob.

Sensitivity Determines how a knob reaches the current Speed setting. When set to its maximum setting (100), slowly rotating a knob adjusts parameters at the finest resolution available; rotating quickly adjusts parameters at the current Speed setting. At its lowest setting (0), response speed is roughly relative to rotation speed, and reaches maximum Speed only when turned very quickly.

Examples

- ◆ For “fine” control (a 1:1 relationship between knob rotation and parameter increments), rotate the knob slowly.
- ◆ To be able to cover an entire parameter range with one rotation of a knob, set Speed to its maximum setting (100). For example, set Speed to its highest setting to be able to sweep an EQ filter from lowest to highest frequencies with one twist.
- ◆ To further optimize knob response, adjust Sensitivity to set the knob speed required to achieve the current maximum speed.

Assignable Knob

(Requires Apple Logic Pro X 10.1.1, Steinberg Nuendo 7 or Cubase 8, or Pyramix 9 (or higher versions))

The Assignable Knob on the Master Module (to the left of the Soft Keys) can control knob or switch parameters in Logic Pro X, Nuendo, or Cubase. Once assigned, you can lock the knob to that control, letting you move to and adjust other parameters on-screen in the same application while retaining control of the chosen parameter from the knob. The Assignable Knob can be unlocked with a single press of the knob, making it available to be re-assigned to a different parameter.



Figure 8. Assignable Knob assigned to pan, locked (shown at left) and unlocked (shown at right)

A single Assignable Knob assignment is available for each connected application. When a different application is attentioned, the Assignable Knob becomes available to be assigned in that application if no previous assignment exists. Returning to the original application restores the knob assignment.



Locking the Assignable Knob to a parameter in one application does not maintain focus on that application's parameter if you focus S6 on a different application. Knob assignment is unique to each application.

To assign the Assignable Knob:

- 1 Do the following, as appropriate:
 - In Logic Pro X, click once on the desired control on-screen.
 - In Steinberg Nuendo or Cubase, hover the cursor over the desired control on-screen.
- 2 Press the Assignable Knob to assign and lock it to the control you targeted in step 1. While locked, the knob remains assigned to the parameter regardless of where you move the cursor on-screen.
- 3 To assign the knob to a different parameter, press the knob top again so it is unlocked, then repeat the previous steps to re-assign.

Automation Breakpoint Data on Display Modules

(M40 Systems with Display Modules Only)



Display Modules can show automation data along with waveforms. When enabled, automation can be shown for individual parameters on one or more strips. You can set a variable amount of opacity and control the left-to-right orientation of displayed automation data.

At left, pan automation is shown on a Display Module strip.

To enable and configure automation data on a Display Module:

- 1 Go to Settings > Preferences, and scroll to the Display section.

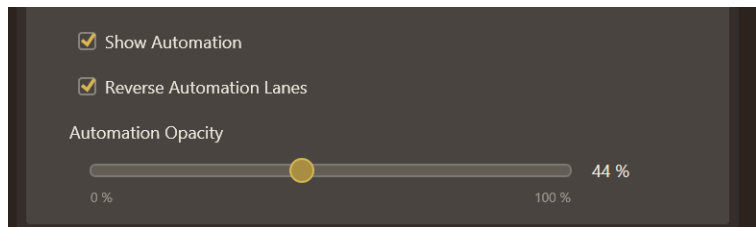


Figure 9. Automation settings in Settings > Preferences

- 2 Touch the Layout selector and choose any Waveform view.
- 3 Configure the following settings as desired:

Show Automation When enabled, automation breakpoint data can be shown on Display Modules and customized using the settings for Reverse Automation Lanes and Automation Opacity.

Reverse Automation Lanes Inverts the orientation of displayed automation data. (Pan is unaffected by this setting.)

Automation Opacity Adjusts the visibility of waveforms behind automation data. When off (0 percent), automation is shown as a single thin line. Raising the percentage adds an increasingly opaque fill.

To show automation data on a Display Module strip:

- 1 Hold down **Ctrl + Command/Win** on a Fader Module.
- 2 Touch a fader or knob.
In the corresponding Display Module strip, automation data for the touched parameter appears.

To show automation data display on all strips:

- 1 Press and hold down **Ctrl + Opt/Alt + Command/Win** on a Fader Module.
- 2 Touch a fader or knob.

On-screen in Pro Tools, the Track View for that track (or all tracks) shows the corresponding automation data. For example, if you touch a Process Module knob while it is assigned to Pan, on-screen in Pro Tools the corresponding track jumps to Pan view.

To exit automation display mode:

- 1 Hold down **Ctrl + Command/Win** on a Fader Module.
- 2 Press the strip **Select** switch on the Fader Module.

To exit automation display mode on all strips:

- 1 Hold down **Ctrl + Opt/Alt + Command/Win** on a Fader Module.
- 2 Press a strip **Select** switch on the Fader Module.

Spill Zones

This section explains how to configure, customize, and use S6 spill zones.

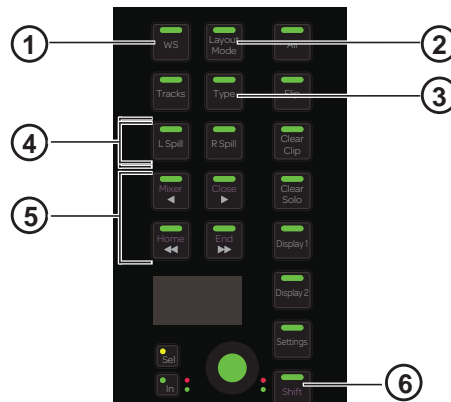
Spill Zones let you designate areas of the surface to spill VCAs, Layouts, tracks by type, and tracks by workstation. Up to two non-overlapping spill zones can be defined. Spill zones provide access to session elements in consistent locations, and leave strips outside the zone unaffected and available.

 *Expand Zones provide similar capabilities for attention track functions (see [Attention Track Function Spill \(Expand Zones\)](#)).*

QuickStart for Using Spill Zones

You can spill VCAs, Layouts, tracks, and workstations to spill zones by doing the following:

- Define up to two spill zones in **Settings > Surface** (see [Configuring Spill Zones](#)).
- VCAs can be spilled to a spill zone, or to as many adjacent strips as needed (standard VCA spill), directly from the Fader Module strip for the VCA master using its **Menu** switch (see [Spilling VCAs](#)). You can also configure VCAs to spill automatically to zones or to adjacent strips when the VCA is attentioned (see [Automatic Spill of Attentioned VCAs](#)).
- Layouts, tracks, and workstations can be spilled to zones by first enabling the **L Spill** or **R Spill** switches on the Master Module, enabling the **Layout Mode**, **Type**, or **WS** switches, then selecting the desired element to spill from the Soft Keys (see [Spilling Layouts, Tracks, and Workstations](#)).



Master Module switches for Spill Zones: 1) WS, 2) Layout Mode, 3) Type, 4) L and R Spill, 5) Nudge and Bank, and 6) Shift

- Once an element is spilled to a zone, the **L Spill** and **R Spill** switch LEDs light in colors matching the element that is spilled. Spill can be indicated on strips by lit **Menu** switches in colors corresponding to the type of element spilled, and you can also choose to use the strip Menu switches to unspill (see [Options for Spill](#)).

Color indication of spilled elements

Color	L Spill / R Spill LEDs	Strip Menu LEDs (when enabled to light)
Dark Green	VCA	VCA Master
Light Green		VCA slaves
Dark Blue	Layouts	Layouts
Light Blue	Track Type	Track Type
Light Blue	Workstation	Workstation

- Pressing an enabled Spill switch so it is lit white lets you use the Bank (<< and >>) and Nudge (< and >) switches to bank and nudge tracks within the selected spill zone, without affecting tracks outside the zone.

Options for Spill

Several Preference settings let you customize the following aspects of spill zone operation.

- Choose how you want spilled elements to be justified within zones (see [Bank and Spill Zone Justification Settings](#)).
- Choose whether or not to have spill zone **Menu** switch LEDs light, and whether they let you unspill (see [Spill Zone Menu Key State for Layouts, Workstations or Types](#)).
- Customize how many Master Module Soft Key banks are used for spill selection (see [System Soft Key Display Mode](#)).
- Choose whether or not Soft Keys automatically return to their previous view after selecting an element to spill (see [Auto Close Surface Recall Soft Keys](#)).

Configuring Spill Zones

This section explains how to define spill zones on the surface. Zone assignments are automatically saved on the Master Module.

To configure Spill Zone parameters:

- 1 Go to **Settings > Surface**, then touch **Config** (or press its Main Menu switch).
Buttons for **Surface**, **Expand**, **L Spill**, and **R Spill** appear below the **Diagnostics Info** display.

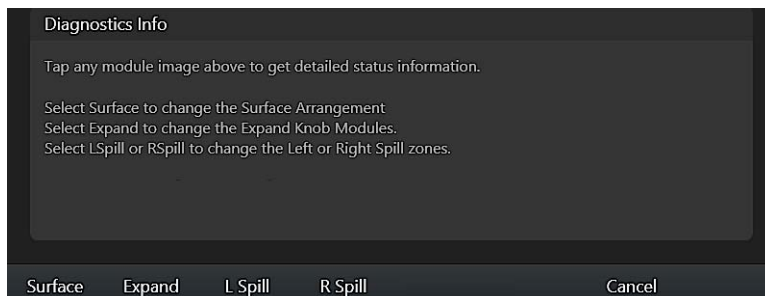


Figure 10. Settings > Surface, Config screen

- 2 Do either of the following:
 - To define the left spill zone, touch **L Spill**.
 - To define the right spill zone, touch **R Spill**.

The console dims, and the touchscreen displays the current surface configuration. Commands for **Undo**, **Done**, **Clear**, and **Cancel** appear along the bottom of the screen. Help text is shown in the Info area. If a previous zone was defined, the **Attention** keys are lit on all strips in the existing zone.

- 3 Press any track **Attention** key to assign the beginning strip of the spill zone.
- 4 Press another **Attention** key to assign the end of the zone.
A purple bar appears below all strips between, and including, the selected beginning and end strips.

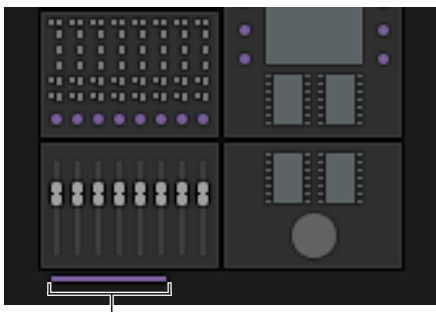


Figure 11. Strips 1 thru 6 defined as a spill zone

- 5 Do any of the following:
 - Touch **Undo** if you press the wrong Attention key.
 - Touch **Clear** to remove the spill zone.
 - Touch **Cancel** to exit the spill zone configuration screen without changing the current spill zone definition (if any).
- 6 Touch **Done** to accept the spill zone.
- 7 Repeat for the other zone, if desired.

Spilling VCAs, Layouts, Tracks, and Workstations

The following sections provide step-by-step instructions for spilling VCAs, Layouts, tracks, and workstations to spill zones.

Spilling VCAs

VCAs can be spilled to a spill zone, or to as many adjacent strips as needed (standard VCA spill), directly from the Fader Module strip for the VCA master using its **Menu** switch.

To spill a VCA:

- 1 On the Fader Module for a VCA strip, press and hold **Menu**.
The strip display shows Zone L and Zone R below the **Select** and **Swap** switches (which light yellow), and Spill L and Spill R above the two switches on either side of **Menu**.



Fader Module switches and display when spilling a VCA

- 2 While still holding **Menu**, do any of the following:
 - To spill the VCA to the left spill zone, press **Select**.
 - To spill the VCA to the right spill zone, press **Swap**.
 - To spill the VCA to the strips to the left or right of the master VCA (standard VCA spill), press either of the switches adjacent to **Menu** (above the **M S** indicators to spill to the left, or above **LG** to spill to the right).

When spilled, the **Menu** switch on the strip of the VCA master lights dark green, and the corresponding Spill switch (L or R) on the Master Module also lights dark green.



On spilled slaves, **Menu** is lit green if the option to light them is enabled (see [Spill Zone Menu Key State for Layouts, Workstations or Types](#)).

- 3 To bank or nudge tracks within a spill zone, make sure the corresponding Spill (L or R) switch is lit white (press if necessary), then use the Bank and Nudge switches on the Master Module.
- 4 To unspill a VCA, press **Shift + L Spill** or **R Spill** (whichever is lit dark green) on the Master Module, or press **Menu** on the master VCA or any spilled member strip.



You can configure VCAs to spill automatically to zones or adjacent strips when the VCA is attentioned (see [Automatic Spill of Attentioned VCAs](#)).

Spilling Layouts, Tracks, and Workstations

Spilling Layouts to a spill zone differs from simply recalling a Layout as follows:

- When a Layout is *spilled* to a zone, strips outside the zone are unaffected and remain on their currently banked tracks.
- When a Layout is *recalled*, the surface enters Layout mode in which only tracks that are in a Layout can appear on the surface. Strips that are not included in the Layout will be blank, or continue to show tracks from the previously recalled Layout (depending on whether their strips were scoped for recall when the Layout was created).



You can also spill selected tracks to a zone in Layout mode. For more information, see [Spilling Selected Tracks to a Zone](#).

Tracks can be spilled by type (such as Audio, Aux, Instrument, or Masters) into spill zones.

Tracks from other workstations can be spilled to zones, without having to focus the parent workstation/application.

To spill a layout, track type or workstation to a spill zone:

- 1 On the Master Module, press to enable **L Spill** or **R Spill**.
- 2 Press one of the following switches on the Master Module:
 - For Layouts, press **Layout Mode**.
 - For Track types, press **Type**.
 - For workstations, press **WS**.

The Master Module soft keys display available choices for the enabled element (Layouts, track types, or workstations).

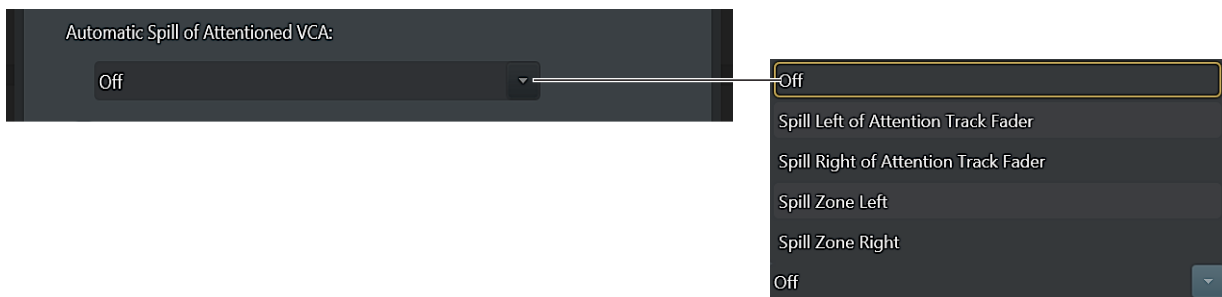
- 3 Press a soft key to select and spill the corresponding Layout, Track type, or workstation to the enabled spill zone (left or right).
 - When a layout is spilled the **Layout Mode** switch LED lights dark blue. The enabled **L Spill** or **R Spill** switch on the Master Module also lights dark blue.
 - When any track type is spilled, the enabled **L Spill** or **R Spill** switch on the Master Module is light blue.
 - When a workstation is spilled, the enabled **L Spill** or **R Spill** switch on the Master Module is light blue (the same color as when tracks are spilled).

On channel strips, **Menu** switches within the enabled zone light in the same color as the enabled **L Spill** or **R Spill** switch if the option to light them is enabled (see [Spill Zone Menu Key State for Layouts, Workstations or Types](#)).

- 4 To bank or nudge tracks within a spill zone, make sure the corresponding **L Spill** or **R Spill** switch is lit white (press if necessary), then use the Bank and Nudge switches on the Master Module.
- 5 To unspill, press **Shift + L Spill** or **R Spill** on the Master Module, or press **Menu** on any strip in the spill zone when the **Menu** keys are configured to unspill (see [Spill Zone Menu Key State for Layouts, Workstations or Types](#)).

Automatic Spill of Attentioned VCAs

In previous versions of S6 software there were three choices for Automatic Spill of Attentioned VCA: Off, Spill Left of Attention Track Fader, and Spill Right of Attention Track Fader. In v2.0 these settings are now available from a drop-down menu with two new choices to support automatic spill to either spill zone.



VCA Auto Spill settings in Tracks Local Options

Spill Zone Left Attentioning a VCA automatically spills it to the left spill zone.

Spill Zone Right Attentioning a VCA automatically spills it to the right spill zone.

Attention Track Function Spill (Expand Zones)

You can designate Knob Modules to be “expand” zones for the Attention track functions. Expand zones follow Home screen focus, and can be configured for primary and fallback function views.

M40 systems support up to two Knob Modules as Expand zones (M10 systems support one Expand zone).

 *New surface configuration options have been added to the Surface > Config screens to support module arrangements for Expand zones. For more information, see [New Surface Arrangement Options for Attention Track Expand Modules](#).*

Configuring Knob Modules as Expand Zones

To specify Knob Modules for Attention Track Spill:

- 1 Go to Settings > Surface, then press Config (or press its Main Menu switch).
Buttons for Surface, Expand, L Spill, and R Spill, appear across the bottom of the screen.
- 2 Tap Expand.
The knobs on all available Knob Modules light, and the Assign Expand Knob Module screen appears on the touchscreen. Commands for Undo, Done, Clear, and Cancel appear along the bottom of the screen.



Figure 12. Assign Expand Knob Module screen

- 3 Touch any knob on any lit Knob Module to assign that Knob Module as an Attention Track Expand module.
The touched Knob Module becomes unlit. On-screen, its block in the Surface configuration displays an Attention icon with a number (“1” or “2”), to indicate its current Expand Zone assignment.

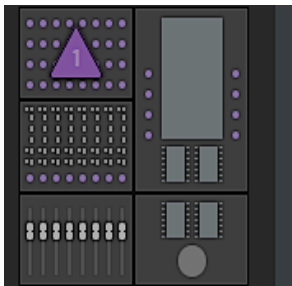


Figure 13. A Knob Module assigned for Attention Track Expand

- Press Undo if you pressed the wrong module hardware.
 - Press Clear to remove all Expand Knob Modules that are not fixed.
 - Press Cancel to go exit the Expand configuration screen without changing the current surface arrangement.
- 4 Press Done to accept the new arrangement.


Expand Knob Function Settings

The Home screen Local Options settings for Expand Knob Function and Backup Function Selected on Attention Change let you configure functions to display on Expand zone Knob Module(s) when a track is attentioned. Two pairs of selectors are available to set primary and backup functions on each of up to two Knob Modules.

To configure Expand Knob function preferences:

- 1 Navigate to the Home Screen, then tap its Local Options (gear) icon.

Two sets of selectors are provided, 1st and 2nd Expand Knob Function and Backup Function Selected on Attention Change, which correspond to Knob Modules configured as Expand Knobs in **Settings > Surface**. The left selector sets the primary function, and the selector to the right sets the backup function for the corresponding module.

 *M10 systems support a single Knob Module designated as an Expand zone; M40 systems support up to two Expand zones.*

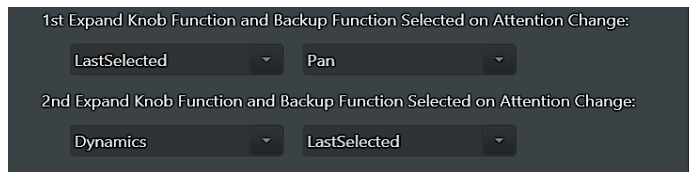



Figure 14. Settings for Expand Knob Function settings in Home screen Local Options

- 2 Tap to display the first (left-most) drop down menu.
 - To keep the Expand Knobs focused on the most recently edited function, choose **Last Selected**.
 - To specify a function, select a function such as Pan, Bus, EQ, or Dynamics. Not all functions are available in all applications.
- 3 Repeat for the second (right-most) “backup” drop down menu. This lets you define a knob function to display whenever you attention a track that does not contain the same function as the previously attentioned track.

Using Attention Track Expand Modules

When one (or two) Knob Modules are configured as Expand zones, their function assignment follows Home screen focus.

 *Attention Track Function Spill does not require use of the strip Exp (Expand) switch.*

For example, attentioning a strip expands the (last) selected or backup function (see [Expand Knob Function Settings](#)) to the Knob Module(s). Assigning a different function to the Attention Track knobs from the Home screen also changes the function of the Attention Track Expand modules.

To assign a different function to an Attention Track Expand module:

- 1 In the Home screen, tap to select a function in the Function scroller.
- 2 Tap the desired knobs in the Attention Track screen.

The bracket next to the tapped knobs flashes and, on designated Attention Track Expand module(s), the **Back** switch lights purple.
- 3 Touch any knob on a designated Knob Module.

Layouts

S6 software v2.0 includes the following new and changed features for Layouts.

- You can have the system automatically store and recall Layout sets (titles) to and from a connected DAW (see [Automatic Saving and Loading of Layout Sets by DAW](#)).
- The Layouts and Tracks screens have been consolidated (see [Consolidated Layouts and Tracks Screens](#)).
- The commands to access Layout Mode, and to recall Layouts from the Soft Keys, have changed (see [Accessing Layout Mode](#)).
- You can optimize how the system automatically saves Layouts that are built or altered without being explicitly stored (see [Saving Changed Layouts to New or Current](#)).
- The grids to store and recall Layouts have been improved (see [Redesigned Layout Store and Recall Grids](#)).
- You can create a new Layout based on currently banked tracks by double-tapping the Assign button (see [Creating New Layouts Based on Currently Banked Tracks](#)).
- You can spill selected tracks to spill zones while in Layout mode (see [Spilling Selected Tracks to a Zone](#)).

Automatic Saving and Loading of Layout Sets by DAW

Layouts can be automatically saved and loaded to/from a designated application on a connected workstation. You can designate the target application from the Workstation screen or from the Soft Keys. You can also disable automatic save/load by not designating any application.

Important Compatibility Information for S6 WSControl v2.x and EuControl Co-Installation

S6 software v2.0 adds the ability to automatically save and load S6 Layouts to/from sessions running on a designated workstation. If you use both S6 and S3/Artist series controllers on the same workstation, be sure to update EuControl software to v3.3.0 and higher before using S6 v2.0 or higher to prevent S6 Layouts from being overwritten by any associated with S3/Artist controllers.

To get the latest version of EuControl software, visit: www.avid.com/artistsupport

To designate an application for Layout save and load from the Workstation screen:

- 1 Navigate to the Workstation screen by doing either of the following:
 - Press **Settings**, then scroll the Settings screen to the Workstation page.
 - Press **Shift + WS**.



*In previous versions of S6 software, pressing **WS** jumped to the Settings > Workstation screen. Beginning with version 2.0, press **Shift + WS** to jump to the Workstations screen.*

- 2 In the Applications list at the lower right of the screen, tap to select an application.
A small blue star appears next to the selected application.



Indication of designated DAW in Settings > Workstation

- 3 If designating the selected application will potentially overwrite current Layouts, a warning dialog appears.
 - Press **OK** to load Layouts from the selected application (if any), replacing any Layouts currently loaded in S6.
 - Press **Cancel** to cancel the operation (no Layouts are loaded).

To designate an application for Layout save and load from the Soft Keys:

1 Press **WS**.

The Master Module Soft Keys list connected workstations in the left bank. Applications on the currently attentioned workstation are listed in the right bank. If the Soft Keys are configured to only use one bank, press the Soft Key **Next** to access the Applications list. (For more information, see [System Soft Key Display Mode](#).)

2 Select a workstation in the left bank of Soft Keys, then select an application in the right bank.

A small blue star appears next to the selected application.



Indication of designated DAW in Soft Keys

3 If designating the selected application will potentially overwrite current Layouts, a warning dialog appears.

- Press **OK** to load Layouts from the selected application (if any), replacing any Layouts currently loaded.
- Press **Cancel** to cancel the operation (no Layouts are loaded).

To disable automatic saving and loading of Layouts, do either of the following:

- In the **Settings > Workstation** screen, tap the currently designated Application name so that the blue star disappears.
- In the Soft Keys, press the Soft Key for the currently designated Application name so that the blue star disappears.


Consolidated Layouts and Tracks Screens

Several commands previously available only from within Layout Mode are now accessible at all times from the Tracks screen.

- The Tracks screen now provides the (Layouts) **Assign** button at all times along with previously available **Select** and **Attention** buttons. Tapping **Assign** once puts the system into Layouts mode. While in Banking mode, tapping **Assign** twice lets you assign all currently banked tracks to a new or current Layout (see [Creating New Layouts Based on Currently Banked Tracks](#)).
- Commands to **Recall**, **Edit**, **Save**, and **Load** Layouts are available at all times on the Tracks screen, letting you perform Layout-related actions without having to enable Layout mode first (such as loading a saved set of Layouts). Note that to access the **Store** Layouts function, Layouts mode must first be enabled.

Accessing Layout Mode

The switches for enabling Layout Mode to assign tracks (Layout Assign mode) and for Soft Key recall of Layouts have changed. The new commands simplify many Layout-related operations and provide more flexibility for tasks such as loading Layouts with or without being in Layout Assign mode.

 *Keep in mind that whenever the surface enters Layout mode, only tracks from the current or previously recalled Layout appear across the strips. If you want to work with tracks from a Layout while maintaining access to other strips you can spill the Layout to a spill zone. For more information, see [Spill Zones](#).*

To enable Layout mode to immediately begin assigning tracks:

- In the Tracks screen, tap Assign.

The **Layout Mode** switch LED lights blue. On the touchscreen, the Assign button becomes enabled and Layout commands Clear Strip and Clear All replace Record, Input, Solo, and Mute.

To enable Layout mode without automatically enabling Assign mode:

- 1 Do any of the following:

- Press **Shift + Layout Mode** on the Master Module.
- Press **Layout Mode** on the Master Module, then press a Soft Key to recall the corresponding Layout.
- Tap Recall on the screen and recall a Layout from the touchscreen.
- Tap Load on the screen and load a saved set of Layouts.

The **Layout Mode** switch LED lights purple. On the touchscreen, Record, Input, Solo, and Mute commands remain available.

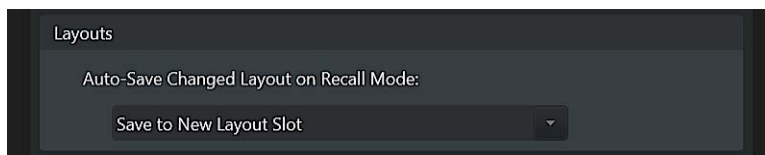
- 2 If you want to enable Layout Assign mode, tap Assign in the Tracks screen.

To exit Layout mode:

- Press **Shift + Layout Mode**.

Saving Changed Layouts to New or Current

In previous versions of S6 software, if you created or modified a Layout but pressed Recall before storing it, a backup Layout was created in the next available block in the grid. You can now specify whether to save the new track arrangement to a new Layout, or to the currently loaded Layout, using the selector in the Layouts section of **Settings > Preferences**.



Layouts settings in Settings > Preferences

To configure Layouts Auto-Save settings:

- 1 In Settings > Preferences, scroll to the Layouts section.
- 2 Tap the selector for Auto-Save Changed Layout on Recall Mode: and choose one of the following:

Off When enabled, no backup Layouts are created.

Save to New Layout Slot When enabled, backup Layouts are created in the next available block in the grid.

Save to Current Layout Slot When enabled, the current (last recalled) Layout is updated (no backup is created).

Redesigned Layout Store and Recall Grids

The Layout Store and Recall grids have been redesigned. Whereas in previous versions items were listed in rows (1–8, 9–16), the grids now list blocks and Layouts in columns (1–6, 7–12). This matches the way Layouts appear in the Soft Keys. In addition, a number is always displayed in each block.

Recall Layouts							
1 FX, VCAs	7 Submstrs & VCAs	13	19	25	31	37	43
2 FX, VCAs, Master	8 Ks Vx +1	14	20	26	32	38	44
3 Gtrs & Piano	9 Backup 9	15	21	27	33	39	45
4 Guitars	10 Backup 10	16	22	28	34	40	46
5 Backup 5	11 Backup 11	17	23	29	35	41	47
6 Keys & Voz_PT &	12	18	24	30	36	42	48

Layout Recall grid

Creating New Layouts Based on Currently Banked Tracks

You can create Layouts consisting of all tracks currently banked to the surface. This feature is useful for quickly saving the current state of the surface to a Layout. For example, if you use Pro Tools Memory Locations and Windows Configurations to store and recall shown or hidden tracks, you can recall those Memory Locations and quickly store each arrangement of tracks as a Layout.



To include or exclude hidden tracks, first configure S6 Hidden Track preferences to show hidden tracks in Banking and in Layout mode (see [Indication of Hidden Tracks](#)).

To create a new Layout based on all currently banked tracks:

- 1 In the Tracks screen Local Options, enable Double Tap Assign to Copy Tracks from Banking Mode into Current Layout.
- 2 Make sure the surface is in Banking mode (the **Layout Mode** switch LED should be off).
- 3 Arrange all desired tracks onto fader strips by recalling a memory location, by banking or nudging (do not spill to either spill zone – spilled tracks will be ignored).



Keep in mind that you can remove any unwanted tracks before storing the Layout, as explained below.

- 4 In the Tracks screen, double-tap the Assign button quickly.
All tracks currently banked onto strips are mapped to strips in the strip scroller, and the system enters Layout Assign mode.
- 5 If desired, add or remove tracks, or enable/disable strips using the Track matrix and lower strip scroller.
- 6 Press **Store**.
- 7 Do either of the following:
 - To create a new Layout, tap to select an empty Layout block. Enter a custom name for the Layout if desired.
 - To overwrite an existing Layout, tap its Layout block in the store grid.
- 8 Press **Store** to save the new Layout.

Spilling Selected Tracks to a Zone

You can spill tracks selected in the Track matrix to spill zones without having to create or recall a Layout.

To spill tracks to a zone while in Layout mode:

- 1 Press either **L Spill** or **R Spill** on the Master Module (only one can be active at a time).
- 2 Tap **Assign** so it becomes enabled.
Whenever L or R Spill are active, pressing **Assign** enables the Assign switch but does not put the surface into Layout mode.
- 3 Tap to select tracks in the Track matrix. Selected tracks have a green outline.
On-screen, the **Spill** button appears next to other Track commands.
- 4 Tap the **Spill** button. Tracks are spilled to the enabled zone in the order they were selected (not their absolute track order).
- 5 To bank or nudge tracks within a spill zone, make sure the corresponding **L Spill** or **R Spill** switch on the Master Module is lit white (press if necessary), then use the Bank and Nudge switches on the Master Module.
- 6 To unspill, press **Shift + L Spill** or **R Spill** on the Master Module. (If L Spill or R Spill are lit white, for bank/nudge, press again so it is lit blue to enable unspilling). Or, press **Menu** on any strip in the spill zone when the Menu keys are configured to unspill (see [Spill Zone Menu Key State for Layouts, Workstations or Types](#)).

Soft Keys

The default appset for Pro Tools has been updated with new and improved assignments for the Soft Key banks on the Master and Automation module, as well as the Automation Module switches in the Wheel, Locate, and Transport sections.

Take a few minutes to explore the default Soft Key assignments for Pro Tools to familiarize yourself with what is available, how the pages and keys are organized, and how to navigate among them. The following sections highlight some of the changes.

 *New appsets for Nuendo 7 and Cubase 8 (or later) are also included. For more information, contact Steinberg.*

Overview of Changes to Default Soft Keys

- ◆ Most Prev/Next navigation switches have been replaced with direct access jump keys for easier access to functions. Some keys affect other banks.
- ◆ Most Wheel functions (previously available from Automation Module Soft Keys) are assigned to switches around the wheel.
- ◆ Many new assignments have been added to the Locate and Transport switches.

Master Module Soft Keys Left

Automation 1 The navigation keys at the bottom have been changed to Playlists, Menu, and ChMeters1. A copy of the Automation 1 page is also available from the left Automation Module Soft Key panel to keep its automation commands available when the Master Module Soft Keys are displaying Layouts, tracks, or workstations.

Page The Page menu now has jump switches for Channel Meters and Master Meters, and new pages are available to access the Mixer and Edit page views.

Master Module Soft Keys Right

Groups The Groups switch jumps to pages that let you access the first 54 groups in a session (see [Groups Example using the Master Module Soft Keys](#)). Keys to Create and Delete groups are available, with New Mix Group, New Edit Group, and Suspend Group appearing on the left keys. The right navigation keys cycle through the three Groups pages, and a jump key jumps back to the main Session 1 page. Each Groups page lets you show, hide and select tracks, and modify, duplicate, and delete groups.

Session 1 The Session 1 page has jump keys for direct access to Tools and Setup, Open Recent, and Session Management. The Open Recent switches automatically switch back to Session 1 when you select a session to open.

Automation Module Soft Keys Left

The navigation keys provide direct access to Auto 1, Auto 2, Auto 3, and Auto 4 (they change depending on what page you are on). Pressing one of these switches and pressing the same one again takes you back to Auto 2.

Snapshots Snapshots are accessed from the new Extras page on the right bank on the Automation Module. The navigation keys cycle through the eight snapshot pages, each of which also provides a jump key to return to the Auto 2 page.

Automation Extras Automation Extras (previously called Automation 5) is accessed from the new Extras page on the right bank of the Automation Module bank.

Automation Module Soft Keys Right

Extras The first page is labeled Extras, with jumps for Snapshots and Automation Special as well as new User Pages, and Counters and Scrolling. Some functions previously available from this bank have been moved to the wheel, locate, and transport switches (see [Wheel, Locate, and Transport](#)). Jump switches let you access the Workflow, Tools, and Recording pages. All wheel functions previously available from this page have been moved to the switches around the wheel.

User Pages User Pages are new in S6 version 2.0, and are pre-built, consecutive pages of Soft Keys with pre-configured navigation keys. Use these pages to more quickly create and assign your own Soft Key commands.

Counters and Scrolling Lets you turn on and off the main counter rows as well as markers. There is also a key to cycle through all of the counters for the main counter, and all scrolling modes are on this page.

Wheel, Locate, and Transport

The default Pro Tools appset provides extended functionality for the Jog/Shuttle wheel and its surrounding switches, as well as for the Locate and Transport switches on the Automation Module. The following sections describe the default assignments.

In the tables for each section that follow:

- ◆ Several switches are labeled on the surface with both a primary and **Shift** function (such as “– / **Function**”). In the tables below, primary functions are listed first, with **Shift** functions listed second.
- ◆ When a switch enables a function that uses the wheel, such as **Jog**, “(wheel)” appears after the listed function. All other functions are accessed by pressing the listed switch(es).
- ◆ For Shift functions, hold down the **Shift** switch at the lower right of the wheel, on a Fader Module, or on the computer keyboard.
- ◆ Other functions require use of their listed modifier keys on the Fader Module, or computer keyboard equivalents.

Jog/Shuttle Wheel and Switches

Many of the Wheel and wheel switch functions previously available from the Soft Keys are now assigned to the Wheel switches.



Wheel and surrounding switches (Shift at lower right)

The following table lists the primary and **Shift** functions of the switches surrounding the Jog/Shuttle Wheel.

Switch Label	Primary Function	Shift Function	Other Functions
Jog	Jog (wheel)	Mark Out	
Shuttle	Shuttle (wheel)	Mark In	
Trim	Move Selection (wheel)	Zoom Amplitude (wheel)	
– / Function	Clip Gain Down	Trim to Start	Fade to Start (Opt/Alt) Nudge Contents Back (Cmd/Win)
+	Clip Gain Up	Trim to End	Fade to End (Opt/Alt) Nudge Contents Forward (Cmd/Win)
Zoom Horizontal / Scroll Horizontal	Zoom Horizontal	Scroll Horizontal	
Zoom Vertical / Scroll Vertical	Zoom Track Height	Scroll Vertical	
Shift			

Locate Switches

Several of the Locate switch functions have been reassigned or moved.



Automation Module Locate switches

The following table lists the primary and **Shift** functions of the Locate switches. Other functions require use of the modifier keys on the Fader Module.

Switch Label	Primary Function	Shift Function	Other Functions
Mark In	Mark In (wheel)		
Mem Loc	Show Memory Locations on Automation Module Soft Keys		
↓	Clear Selection / In	Restore Last Selection	
Mark Out	Mark Out (wheel)		
Trim +	Mix/Edit Window		
Trim -	Faders Off		
Store Current	Trim to Selection		
Store Locate	Consolidate Clip		
Edit	Edit Memory Location		
Recall	Undo	Revert	
Delete	Redo		
Clear	Save	Save As	Save Copy In (Opt/Alt) Save as Template (Cmd/Win)

Transport Switches



Figure 15. Transport controls

The following table lists the primary and **Shift** functions of the Transport switches. Other functions require use of the modifier keys on the Fader Module or computer keyboard.

Legend	Switch Label	Primary Function	Shift Function	Other Functions
1	<	RTZ (Return to Zero)	End of Session	
2	<	Select Previous Clip	Shift (Add to Selection)	Previous Clip (Opt/Alt)
3	>	Select Next Clip	Shift (Add to Selection)	Next Clip (Opt/Alt)
4	Back + >	Back and Play	Forward and Play	
5	R Mode	Record Mode	Abort Record	
6	Loc	Zoom Toggle	Zoom to Selection	Zoom to Session (Opt/Alt) Previous Zoom (Cmd/Win)
7	Back	Back	Forward	
8	<<	Rewind		
9	>>	Fast Forward		
10	□	Stop		
11	>	Play		
12	●	Record		
13	Loop	Loop Playback		

Soft Key Examples

The following sections describe how Soft Keys let you access commands for track groups and snapshot automation.

Groups Example using the Master Module Soft Keys

The first page of Soft Keys on the right bank of the Master Module is **Session Management 1**, providing Soft Keys such as **Workspace**, **Task Manager**, and **Big Counter** which open their corresponding windows on-screen in Pro Tools. The keys along the bottom are jump switches to jump to **Tools** and **Setup (Setup)**, **Open Recent (Recent)**, and **Session Management 2 (Session 2)** pages.

The **Groups** Soft Key is a jump key that, when pressed, lets you access group related commands (in the leftmost column) and the first three pages of available Groups in the other three columns.



Pressing the Groups Soft Key changes both Soft Key displays

For example, to modify a Pro Tools track group:

- 1 Press the Groups Soft Key to display Groups pages in both Soft Key banks.
- 2 Press the Soft Key for Modify Groups.
- 3 Press the Soft Key for a specific group (such as “a:guitars”).

On-screen in Pro Tools, the Modify Groups dialog opens, focused on the selected group.

- 4 Configure Group settings on-screen.

Also in the right bank are keys to navigate to pages of other Groups (19-36 and 37-54) that, when pressed, show the corresponding groups across both banks while keeping the Groups-related commands accessible from the left column of the left bank. The Session 1 switch returns both Soft Key banks to their first pages.

Snapshots Example using the Automation Module Soft Keys

The first page of Soft Keys on the left bank of the Automation Module provides the primary Automation pages, including the same Automation 1 page as found on the Master Module Soft Key bank. Other pages on this bank are accessed by switches in the various pages of the right bank.

Page 1 of the right bank of Automation Module Soft Keys is called Extras, which provides keys jump to pages for Snapshots, Automation Special, User Pages, Counters and Scrolling, Workflow, Tools, and Recording. Several of these jump keys change one or the other Soft Key banks on the Automation Module.

For example, press Snapshots in the Extras page on the right bank, and the left bank displays snapshot-related commands as well as available snapshots.



Pressing Snapshots in the right bank Extras page changes the left bank, leaving the Extras page visible and accessible

 *For instructions on how you can create your own Soft Keys, see the Soft Keys chapter of the S6 Guide.*

Other Additions and Enhancements

New Preference Settings

The following new settings in **Settings > Preferences** support new and enhanced features.

Banking Preferences

Bank and Spill Zone Justification See [Bank and Spill Zone Justification Settings](#).

Strips Preferences

Hidden Tracks See [Indication of Hidden Tracks](#).

Spill Zone Menu Key State for Layouts, Workstations or Types

This settings lets you optimize how **Menu** switches and their LEDs function when spilling Layouts, workstations, and track types.

LEDs Off When enabled, strip **Menu** switch LEDs do not light when elements are spilled.

LEDs On When enabled, strip **Menu** switch LEDs light in the same color as the element being spilled.

LEDs On and Collapse Spill When enabled, pressing a lit **Menu** switch while elements are spilled unspills.

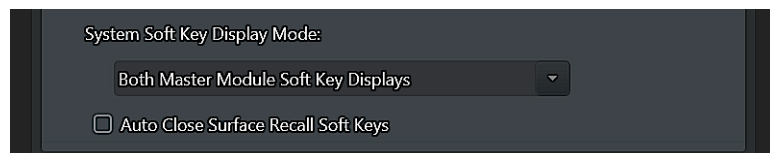
Knobs Preferences

See [Knob Speed and Sensitivity](#).

Soft Keys Preferences

System Soft Key Display Mode

These settings let you specify which Soft Key bank(s) to devote to system Soft Key functions including spilling and recalling Layouts, tracks, and workstations.



Soft Key settings in Settings > Preferences

Both Master Module Soft Key Displays When enabled, both banks show choices for the currently enabled element, even when the number of Layouts, tracks or workstations only requires one bank. Note that when spilling workstations, the left bank will show connected workstations and the right bank will show available applications on the currently attentioned workstation.

Left When enabled, only the left bank shows choices for the currently enabled element. When spilling workstations, use the **Previous** and **Next** Soft Key bank switches to access applications.

Right When enabled, only the right bank shows choices for the currently enabled element. When spilling workstations, use the **Previous** and **Next** Soft Key bank switches to access applications.

Auto Close Surface Recall Soft Keys

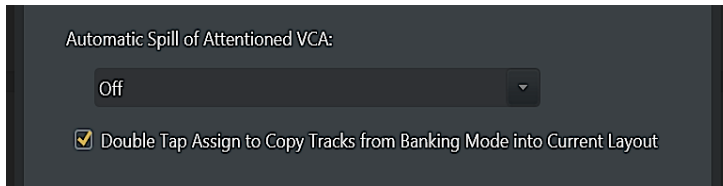
When this setting is enabled, Soft Keys automatically close (return to showing standard Soft Keys) after a Layout, track type, or workstation is spilled.

Display Module Preferences

Show Automation, Reverse Automation Lanes, and Automation Opacity See [Automation Breakpoint Data on Display Modules](#).

New Tracks Screen Local Options

The Tracks screen Local Options now provides the following settings for VCA spill, and for Layouts.



Layout settings in Tracks Local Options

Automatic Spill of Attentioned VCAs

See [Automatic Spill of Attentioned VCAs](#).

Double Tap Assign to Copy Tracks from Banking Mode into Current Layout

See [Creating New Layouts Based on Currently Banked Tracks](#).

New Home Screen Local Options

The Home screen Local Options include selectors for Expand Knob function select. See [Expand Knob Function Settings](#).

New Surface Arrangement Options for Attention Track Expand Modules

Four new surface configuration options are available to support Attention Track Expand module arrangements.

To configure the surface for Attention Track Expand modules:

- 1 Go to **Settings > Surface**, then touch **Config** (or press its Main Menu switch).
Buttons for **Surface**, **Expand**, **L Spill**, and **R Spill**, appear across the bottom of the screen.
- 2 Press **Surface**.
- 3 Select your **Frame Depth** and **Frame Width**, then press **Next**.
At the top of the screen, allowable module arrangements appear in columns. There are two pages of these columns, available by swiping them to the left or right.
- 4 Swipe the displayed module stacks to the left to show the available arrangements for **Expand Knob Modules**.



Module arrangements for Attention Track Expand modules in Settings > Surface > Config

- 5 To display the first page of arrangements, swipe to the right.
- 6 Drag module stacks to the frame diagram until it matches your physical arrangement of modules. All allowable module combinations are displayed.



New stacks in v2.0 provide new arrangements of Knob and Fader Modules to support Expand zones.

Send Mute Indication in Track Scroller

In the Home Screen Track Scroller, muted sends are now dimmed to make them more easily identifiable.



Home screen, Function scroller showing 1) unmuted and 2) muted sends

Improved EQ Mapping in Expand Mode

You can now access EQ Slope from strip EQ knobs (in EQ Function view and Expand mode) and from the touchscreen.

The following tables show the location of EQ parameters on Knob Modules when in Expand Mode.

EQ Parameter Layout in Expand Mode, Knob Module

Sel In	Knob	Sel In	Knob	Sel In	Knob	Sel In	Knob	Sel In	Knob	Sel In	Knob	Sel In	Knob	Sel In	Knob
	HPF Slope		LPF Slope												
	HPF Q		LPF Q				LF Q		LMF Q		MF Q		HMF Q		HF Q
HPF Type		LPF Type				LF Type		LMF Type		MF Type		HMF Type		HF Type	
	HPF Freq		LPF Freq		Input Freq		LF Freq		LMF Freq		MF Freq		HMF Freq		HF Freq
HPF Type		LPF Type				LF Type		LMF Type		MF Type		HMF Type		HF Type	
	HPF In/Out		LPF In/Out		Out- put Gain		LF Gain		LMF Gain		MF Gain		HMF Gain		HF Gain
HPF In/Out		LPF In/Out				LF In/Out		LMF In/Out		MF In/Out		HMF In/Out		HF In/Out	

Soft Keys

Soft Keys for Nuendo and Cubase

Appsets for Nuendo 7 and Cubase 8 are now installed along with S6 software, providing Soft Keys for these applications.

XMON

XMON now remembers its selected MIDI port. After updating to S6 v2.0, do the following to select the MIDI port to use for XMON. After selecting the MIDI port, the setting will persist and not need to be re-assigned.

To select the MIDI port for XMON:

- 1 Do either of the following:

Mac Right-click the XMON icon in the dock and select a MIDI port from the Select MIDI port menu. If you are using the included MIDI device, select it. Otherwise, select another MIDI port.

Windows In Windows, click the XMON icon in the task tray and select a MIDI port from the Select MIDI port menu. If you are using the included MIDI device, select it. Otherwise, select another MIDI port.

- 2 Quit the XMON application, then relaunch it.

Chapter 3: Updating S6 System and Workstation Software

The process of acquiring and updating S6 software involves these steps:

- Download the software update from your Avid Master Account and transfer the installer to a USB flash drive
- Log in as Administrator on the S6 Master Module and update Master Module software
- Follow the on-screen instructions to complete the installation
- Activate your S6 software license.
- Download and install S6 Workstation and other supporting software, including documentation

Downloading and Transferring Software Updates

To download S6 software and other resources:

- 1 On a separate computer navigate to account.avid.com and log in to your Avid Master Account (or create one if you have not already done so). Software updates (if any), Workstation software, documentation, and other resources are available in the My Products | Products I Own section, under S6 Software Updates.
- 2 Download the latest versions of the S6 Master Module Software (ZIP file) from your Avid account to your computer.



To save time, also download the available workstation software (WSControl for Mac and/or Windows) installers.

- 3 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.

- 4 Extract (decompress) the .ZIP file containing the Master Module software to unzip it.
- 5 Copy the resulting folder to the top (root) level of your USB drive.

Logging in as Administrator, Updating Master Module Software and Module Firmware

To install and update S6 Master Module software:

- 1 On the S6 Master Module Touchscreen, select Logout. (From the Home screen, navigate to Settings > About, then tap 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.
- 7 After the installer has completed you will be prompted to restart the system.
 - Tap Yes to restart the system immediately.
 - Tap Later to quit the install wizard. Do not launch the MasterModule application! Be sure to eject any USB drives, then in Windows go to Settings > Power and choose Restart.
- 8 When the system restarts, the Software License Activation screen appears. Follow the instructions on-screen to activate your license using either the offline or online options (for details, see [Software Installation and License Activation](#)).

9 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.

- 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.

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) allowing co-install of 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 and log in to your Avid Master Account (or create one if you have not already done so). WControl (workstation) software, documentation, and other resources are available in the **My Products / Products I Own** 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 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 WControl (workstation) software:

- 1 Insert the USB drive containing the downloaded WControl 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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