



S4/S6 Riser Kit Installation

This document provides instructions for installing Riser Kits in an Avid S4 or S6 control surface. Riser Kits raise modules when a better viewing and interaction angle is desired. Riser Kits for S4 and S6 include 1-bay and 2-bay kits. Expansion (“Extra”) kits are available to let you install Risers across three or more bays. For S6 (only), these different widths are available for both Reduced Depth (5-knob) and Full Depth (9-knob) frames. Only the Reduced Depth size is compatible with S4, and Risers match the rake angle of the S4 Channel Strip Module.

Required Items

This procedure requires only a small flat-head screwdriver and a clean, padded work surface with enough room to set modules

What's Included




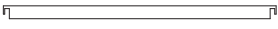
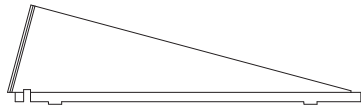




Riser Kits are available in the following configurations.

S4 / S6 Riser Kit Configurations

S4 / S6 (Reduced Depth)		S6 Only (Full Depth)	
S4/S6 RD Riser – 1 Bay	9900-74141-00	S6 FD Riser – 1 Bay	9900-74142-00
S4/S6 RD Riser – 2 Bay	9900-74139-00	S6 FD Riser – 2 Bay	9900-74143-00
S4/S6 RD Riser – Extra Bay	9900-74140-00	S6 FD Riser – Extra Bay	9900-74144-00

The following table and diagrams identify components in the Riser Kits. “RD” indicates S6 Reduced Depth (5-knob) frames and S4 frames. “FD” indicates S6 Full Depth (9-knob) frames. Other items are common to all Riser Kits.

S4 S6 Risers

Component	Name	Image	Part Number	# per Riser Kit		
				1-Bay	2-Bay	Extra
T-strips	Front		7020-71579-10	2	3	1
	Mid		7020-71579-20 (RD) 7020-71586-00 (FD)	2	3	1
	Rear		7020-71579-30 (RD) 7020-71587-00 (FD)	2	3	1
Riser Stop			7600-44343-00	1	2	1
Riser Sides			7020-71583-00 (RD) 7020-71585-00 (FD)	2	3	1
Riser Rear	(1-bay)		7600-44331-00	1		
	Left		7600-44331-10		1	
	Right		7600-44331-30		1	
	Middle		7600-44331-20			1

Overview

Installing Risers into an existing S4 or S6 is simple and requires the following steps, detailed in the following sections of this guide:

- [Preparing the System](#)
- [Removing T-Strips](#), [Removing Compression Panels](#), and [Removing Fill Panels](#)
- [Removing Modules](#)
- [Installing a Riser](#)

If you are installing Risers while also installing your S4 or S6, first follow the instructions in the *S4 or S6 Installation Guide.pdf*:


- After installing the frame (all systems), PSUs and network switch (S6 only), refer to this guide and follow the instructions beginning in [Installing a Riser](#).
- After the Risers and their modules are installed, return to the S4 or S6 Installation Guide.pdf to complete the system installation.

Preparing the System

Before you begin, be sure you have assembled all the required items, then shut down your system as described below.

To shut down the system:

- 1 Navigate the Touchscreen to **Settings > About** page, then touch **Shut Down**. Wait until the Master Module has completely shut down before proceeding.

 *Always shut down the Master Module from the About page before powering down the system!*

- 2 Turn off the source that supplies power to the S6 Power Strip (UPS, power conditioner or other).

Removing T-Strips

To remove T-strips:

- 1 Identify the chassis in which you will be installing a Riser, then identify the two T-strips that secure modules into each chassis.
- 2 Remove the T-strips one at a time.
Start at the top (back) of the control surface and use a small flat-head screwdriver to push down on the tab that holds the T-strip in place, then lift the strip out. Avoid pushing down too hard with the screwdriver to prevent breaking the tab.
- 3 Be sure to remove T-strips from both sides of each chassis.
You will not need to reinstall these original T-strips into Riser bays.

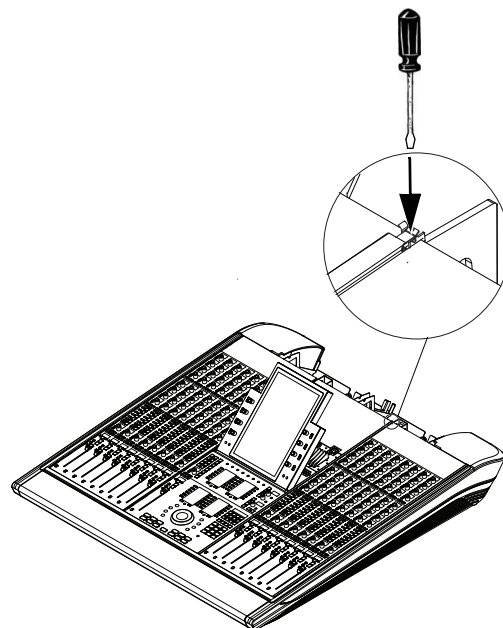


Figure 1: Removing T-strips (S6 shown)

Removing Compression Panels

Remove the Compression Panel from each chassis where you will be installing a Riser in order to remove modules and/or Fill Panels.

To remove Compression Panels:

- Remove the Compression Panel from the top-most slot of the chassis.
Push it gently towards the back of the console to compress its built-in springs, then lift out the front edge and remove the panel.

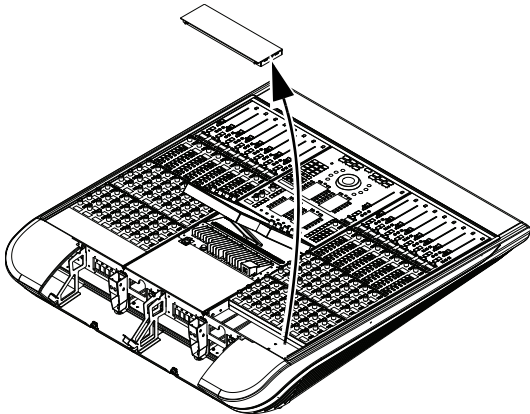


Figure 1. Removing a Channel Compression Panel (S6 shown)

Removing Fill Panels

If there are any Fill Panels in the chassis other than slot 1, remove them now.

To remove Fill Panels:

- Lift Fill Panels out of their slots.

Removing Modules

In each chassis where you will be installing a Riser, remove all modules except the one in slot 1 (closest to the front of the control surface), usually a Fader Module.

To remove the module:

- 1 Make sure you have a padded tabletop or other flat surface to place the module after it is removed.
- 2 Starting at the top of the chassis, carefully lift the rear-most module (usually a Knob Module) out of the chassis slightly, disconnect its power and Ethernet cables, then set the module aside.
- 3 Repeat step 2 for the next module(s).
- 4 Leave the module in slot 1. Usually this will be a Fader Module but could also be an Automation Module, or Option module with Mini Fill Panel.


Installing a Riser

After removing T-strips, Compression and Fill Panels, and modules, each Riser is installed by assembling it in the S4 or S6 frame.

To install a Riser:

- 1 Install the T-strips Front on either side of the Fader Module in slot 1.

If you are installing a 2-bay or wider Riser, install other T-strips Front (one for each additional slot 1 module).

 *If you are installing Risers at the same time as you are installing your S4 or S6 system, do not install a T-strip until after you have installed any other, adjacent modules that will not be on Risers.*

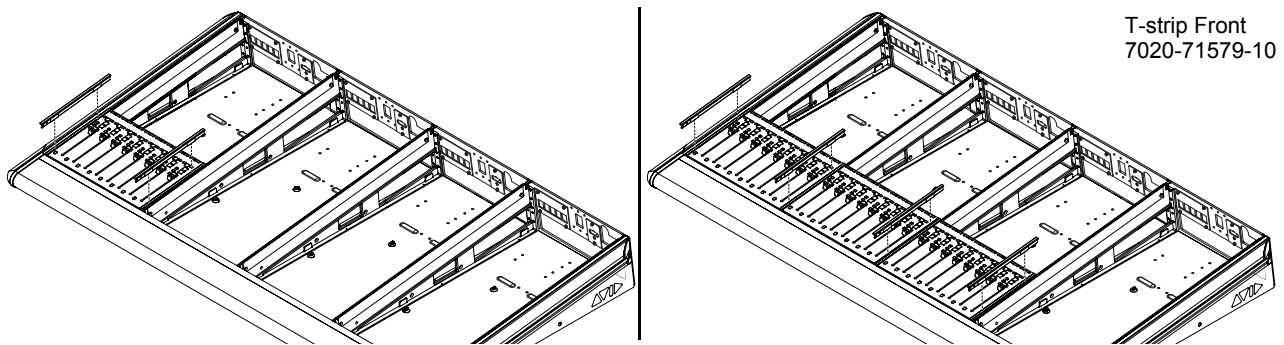


Figure 2. Installing T-strips Front for a 1-bay Riser (shown at left) and a 3-bay (shown at right)

- 2 Re-install the Compression Panel into each chassis. Make sure they are fully positioned against the back of the chassis.

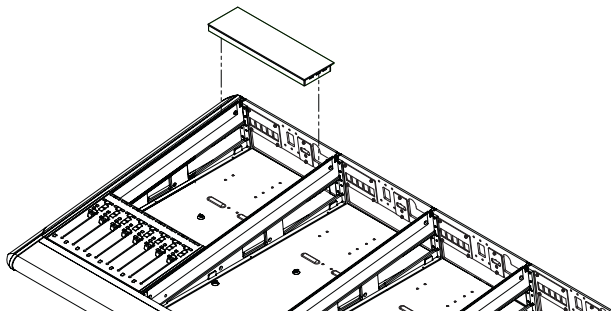


Figure 3. Reinstalling the Compression Panel

If you are installing a 2-bay or wider Riser, reinstall other Compression Panels.

- 3 Install the Riser Stop across the first chassis, inserting its end tabs into the slots along the top of the chassis side walls, then slide the Stop towards the rear of the chassis so it is against the Compression Panel. Repeat for other chassis.

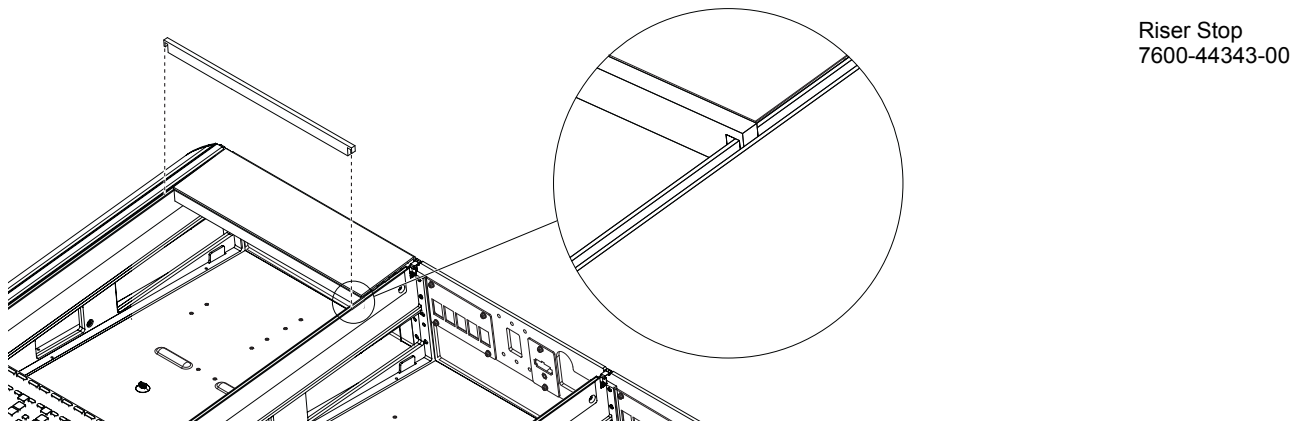


Figure 4. Installing the Riser Stop

- 4 Install the Riser Sides. Make sure the gap along the bottom of each Riser Side fits over the Riser Stop, and that the Sides seat fully into their slot along the top of the chassis wall.

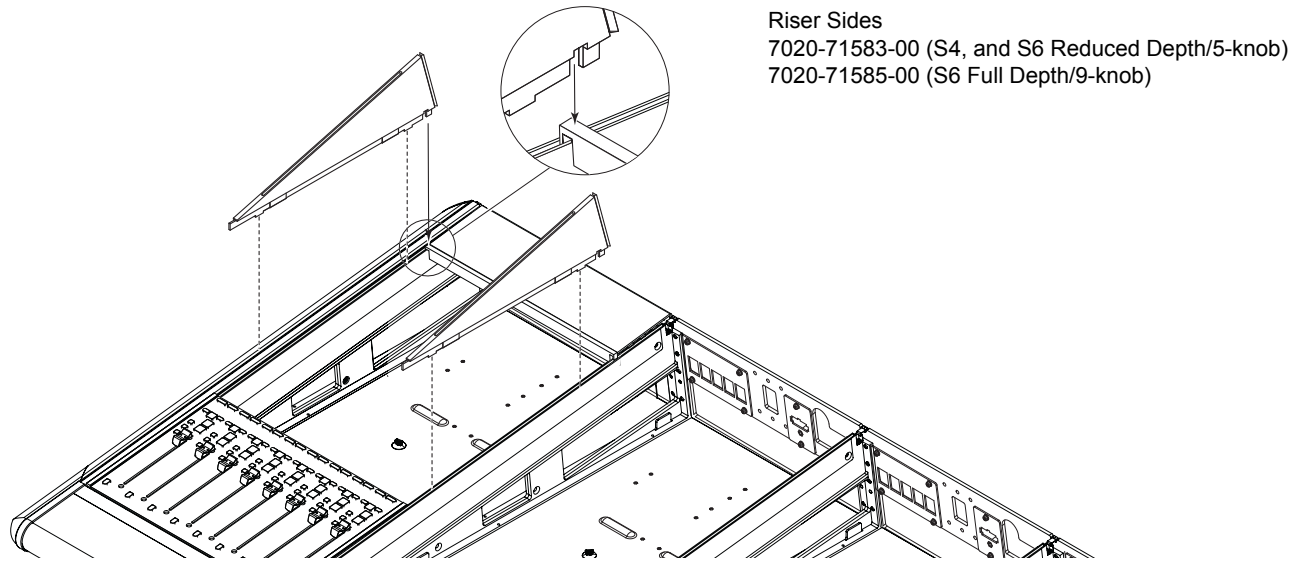


Figure 5. Installing 2x Riser Sides

If you are installing a single Riser you will install two Riser Sides, if installing two Risers next to each other you will install three Riser Sides, and if installing three Risers next to each other you will install four Riser Sides, and so on.

- 5 Install the Riser Rear panel(s) into each Riser. Be sure to orient the Riser Rear(s) correctly, aligning the slots in the Riser Rear with the triangular edge of the Riser Sides and sliding the components together. If they seem to stick or are difficult to push together make sure they are aligned correctly.

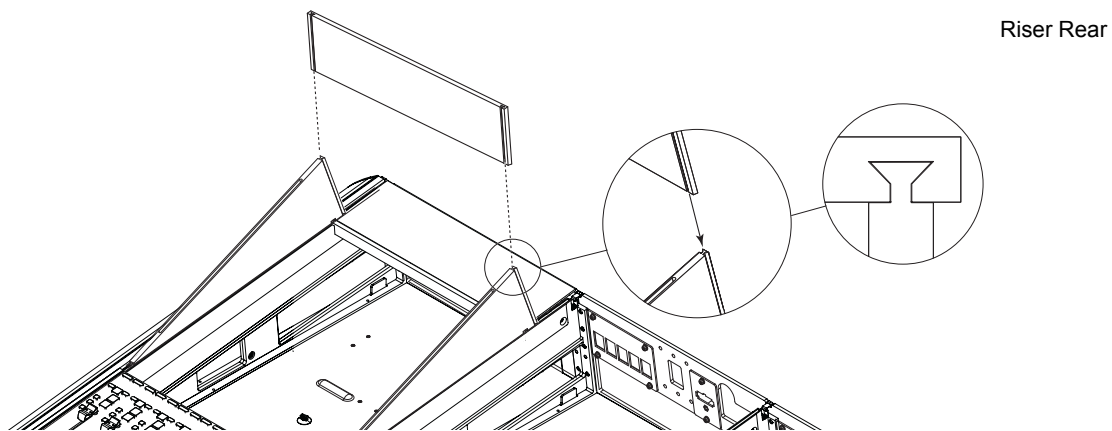


Figure 6. Installing a single Riser Rear

When installing a 2-bay, 3-bay (or wider) Riser, configure Riser Rears as shown below. 4-bay and wider use multiple Riser Rear Mid panels.

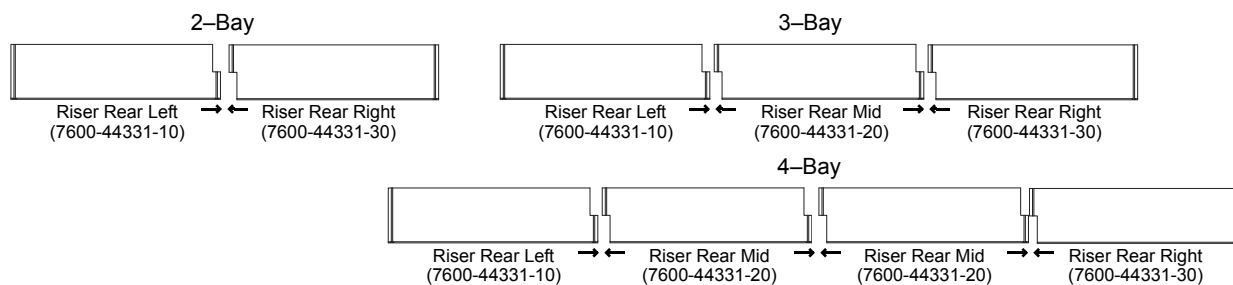


Figure 7. Configuration of Riser Rear panels for 2-, 3-, and 4-bay widths

- 6 Re-install the module (usually a Process Module in an S6 system) into slot 2 by positioning it close to the Riser, connecting Ethernet and power, then carefully setting the module onto the Riser. Make sure the module is seated fully at the bottom of the Riser. If using a Fill Panel in slot 2 place it into position.

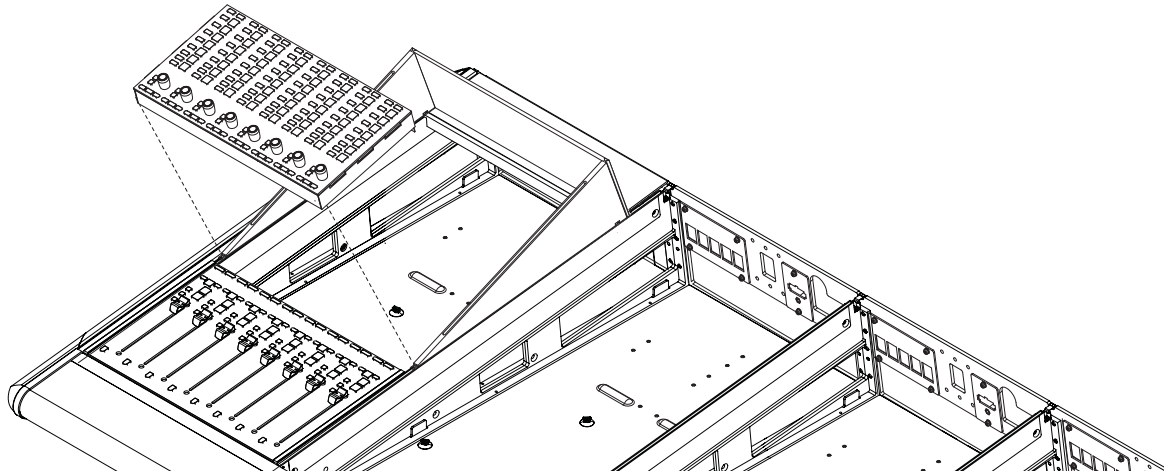


Figure 8. Re-installing a module into slot 2 on the Riser (Process Module on a 1-bay Riser shown)

- 7 Re-install the next module or Fill Panel into slot 3.

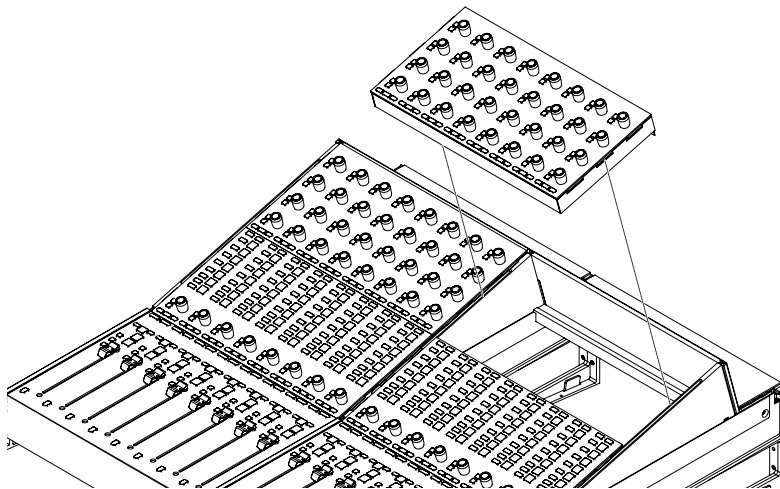
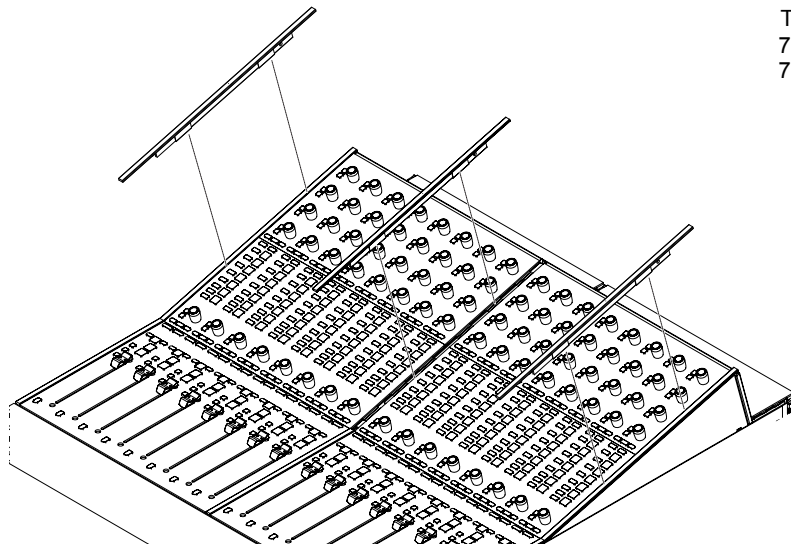


Figure 9. Re-installing a module into slot 3 on the Riser (Knob Module shown on a 2-bay Riser)

- 8 Repeat for additional modules until all modules (and/or Fill Panels) are re-installed and slots are filled on all Risers.

- 9 Install the included T-strips Mid to secure modules into each Riser.



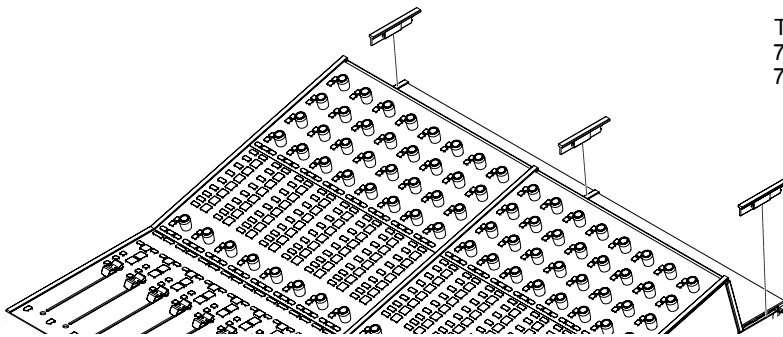
T-strips Mid
7020-71579-20 (S4 and S6 Reduced Depth/5-knob)
7020-71586-00 (S6 Full Depth/9-knob)

Figure 10. Installing T-strips Mid (3x shown on a 2-bay Riser)

- 10 Install the shortest T-strips Rear behind each Riser to secure the Compression Panels.



If you are installing Risers at the same time as you are installing your S4 or S6 system, do not install a T-strip until after you have installed any other, adjacent Compression or Fill Panels.



T-strips Rear
7020-71579-30 (S4 and S6 Reduced Depth/5-knob)
7020-71587-00 (S6 Full Depth/9-knob)

Figure 11. Installing T-strips Rear (3x shown on a 2-bay Riser)

If you installed Risers into an existing S4 or S6 system you are ready to start using your control surface.

If you installed Risers while also installing your S4 or S6, return to the *S4 or S6 Installation Guide.pdf* to complete the system installation.