How do I set up wireless control for the mixer? When connected without an AVB switch, wireless control is accomplished by using the included Wi-Fi dongle to connect the mixer to a wireless router. When connected with an AVB switch, wireless control is accomplished by connecting a wireless router to an open port on the AVB switch.

How many channels can I send across the network? At this time up to 32 input channels from the stage RM mixer, up to 32 input channels from the FOH AI Console mixer, Main LR from the FOH AI Console mixer, and Talkback from the FOH AI Console mixer are routed across the network.

Can I send Aux mixes between the mixers? At this time only the Main LR mix from the FOH AI Console mixer is routed across the network. All Aux mixes remain local to the mixer they are on. This is planned for a future update.

Can I control the RM mixer preamps from the AI Console mixer at FOH? Yes, in the PreSonus AVB Stage Box/Mixer configuration, any input on the FOH AI Console mixer that is sourced from the networked Stage RM mixer can control the preamp gain, -48V, and polarity directly from the console. The -48V and Polarity buttons on the associated channel will now control the remote Stage RM mixer input.

Can I customize the channel routing between mixers? At this time the network routing between mixers is fixed to provide a simple and reliable setup with little confusion as possible. In the future we will be adding flexible routing support.

Can I control the Aux mix from the RM mixer to the AI Console mixer at FOH? Yes, if a computer is connected to the network. There is no control of the RM mixes from the FOH AI Console mixer back to the remote Stage RM mixer.

Can I connect a computer via FireWire for recording and playback? Yes, you can connect a computer for playback and recording via FireWire at the FOH AI Console mixer. At this time FireWire playback/recording is not supported for the Stage RM mixer while in Stage Box/Mixer configuration.

Can I use UC Surface, QMix, and VSL to control the system? Yes, the RM mixer supports UC Surface and QMix and the AI Console mixer will also be controlled from UC Surface.

Will this system work with Dante networking? No, at this time Dante and AVB are not compatible. We will be offering a Dante option card for our mixers soon that will allow them to be used on a Dante network.

Will this system work with AES67 or Ravenna? No, at this time we have no support for AES67 or Ravenna.

Will this system work with Ableton Live? Yes, in the future we'll be adding Ableton Live support compatible with the AI Console mixer at FOH.

Can I control the Aux mixes from the FOH AI Console mixer to the RM mixer? Can I control the Ready mix from the FOH AI Console mixer to the Stage RM mixer all supported at the Stage RM mixer while in FireWire playback/recording.

Can I control the RM mixer from the FOH AI Console mixer at FOH? There is no control of the RM mixer from the FOH AI Console mixer. The best way to control the Stage RM mixer is to control the local analog, digital or remote mixer.

Can I control the Fat Channels from the FOH AI Console mixer at FOH? At this time there is no way to control the fat channel processing on the Stage RM mixer from the FOH AI Console mixer. The best way to control the Stage RM Fat Channel processing from FOH is to use a computer or iPad running UC Surface.

How does Talkback work? Between the two mixers? When set up in the PreSonus AVB Stage Box/Mixer configuration, the Talkback mixer input on the FOH AI Console mixer is automatically routed as the talkback source for the Stage RM mixer. Pressing Talkback on the FOH mixer also engages Talkback on the Stage mixer. All you have to do is choose which mixers you want to talk back to, to be routed to the Stage RM mixer using UC Surface.

Can I route inputs from the AI Console mixer at FOH back to the RM mixer on stage? Yes, all inputs at the FOH AI Console mixer are available as network sources for the Stage RM mixer inputs. This is great if you have wireless mic receivers or playback sources at FOH that need to be routed into the stage mixers.

Will this system work with VSL-AI, SL-Remote AI, and QMix-AI and the AI Console mixer supports VSL-AI, SL-Remote AI, and QMix-AI. In the future the AI Console mixer will also be controlled from UC Surface.

Does this system work with the StudioLive AI loudspeakers? Yes, we’ll support their use on the AI Loudspeakers will ship in Q2 2015. An AVB option card for the PreSonus SL AVB-MIX AVB option card does not yet support the PreSonus AVB network, supports the StudioLive AVB network along with our mixers.

PreSonus AVB Stage Box/Mixer configuration, the Talkback mixer input on the FOH AI Console mixer is automatically routed as the talkback source for the Stage RM mixer. Pressing Talkback on the FOH mixer also engages Talkback on the Stage mixer. All you have to do is choose which mixers you want to talk back to, to be routed to the Stage RM mixer using UC Surface.

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FireWire can source inputs from the local analog, digital, or remote mixer.

Stage RM mixer can source inputs from the local analog or remote mixer.

Control RM AI mixer preamps from StudioLive AI console mixer FOH.

Linked Talkback, Scene save and recall.

Simple one-step connection takes care of all default routing and setup.

Replacing heavy, noisy analog copper snake with a single EtherCAT cable.

Adds a complete monitor mixer on stage.

16 more aux mixes.

Separate Fat Channel processing and delay FX from FOH.

Control from UC Surface on a Windows® touch computer, Mac®, or iPad®.

Individual artist mix control with QMix, UC Surface™ on an iPad®.

FireWire, a remote RM mixer.

Stage RM mixer from the local analog, digital, or remote mixer.

Control RM AI mixer preamps from StudioLive AI console mixer FOH.

Linked Talkback, Scene save and recall.

Simple one-step connection takes care of all default routing and setup.

I ntroducing the next phase of Active Integration. The new SL-AVB-MIX AVB option card for StudioLive Series mixers lets you connect your AI Console mixer to an RM mixer for reliable, low latency audio networking and control. You can even adjust the on-stage RM mixer’s XMAX™ mic preamps directly from your front of house console. All StudioLive RM mixers ship with the AVB card already installed and will only need a firmware update to turn on this functionality.

Audio networking provides new, simpler ways to connect your audio gear and save the time, money and weight that comes with reels of copper audio snakes.

Unlike other networked stage boxes, using the RM mixer actually expands your mix system with a dedicated monitor mixer complete with its own Fat Channel processing and effects independent of what’s being used at FOH.
Five simple steps for using a StudioLive RM mixer as a stage box for your StudioLive AI Console mixer:

1. Connect mixers — direct peer to peer or through an AVB switch.
2. Turn on Stage Box option — from the FOH AI Console mixer Master Control screen, page down to digital option, select stage box option and change to “on” (this automatically configures the default system configuration and routing).
3. Select the channels you want to source remotely. FOH inputs can be sourced from local inputs or stage. Stage inputs can be sourced from local input or from front of house.
4. Set up your mix — Main mix at FOH sent to both FOH outputs and Stage main L/R outputs plus you have up to 14 aux mixes and 4 subgroups at FOH and an additional 16 aux mixes at stage.
5. Save and recall your scene set-ups — Saving and recalling at FOH saves settings for both mixers, saving and recalling at Stage is local to the stage making it easy to manage different monitor mixes independent of FOH.

Your snake is now one single CAT5 cable. Instead of a heavy, expensive, bulky copper hose monster that people always trip on.

With PreSonus AVB networking, we take the complexity out of the setup. You can take advantage of a networked audio system without needing an IT degree.

While we have lots of plans for expanding the capabilities of the PreSonus AVB network system, we’ve kept this first launch phase simple and focused on use as a remote stage box with monitor mixing system. The following Q&A details what the system can and can’t do at this time.

How many mixers can I connect together? At this time two mixers can be connected via PreSonus AVB. One AI Console mixer at FOH and one AI RM mixer at stage. Can I connect any AI Console mixer with any RM mixer? Yes, any of the three models of AI Console mixers (32.4.2AI, 24.4.2AI, 16.4.2AI) can connect with any of the two AI RM mixers (RM32AI, RM16AI).

Can I connect the two mixers directly (without a switch)? Yes, a single Ethernet cable from the FOH AI Console mixer to the Stage RM mixer is all that’s needed to establish a PreSonus AVB connection. When connected without an AVB switch, wireless control is accomplished by using the included Wi-Fi dongle to connect the mixers to a wireless router (see diagram below).

Do I need a special switch/router to use PreSonus AVB? Yes, if you plan on using a switch in your setup the switch must be a qualified AVB switch. At this time we’ve qualified the following AVB switches to work with the PreSonus AVB network.

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model</th>
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<tbody>
<tr>
<td>MOTU</td>
<td>AVB Switch</td>
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<tr>
<td>Extreme Networks</td>
<td>Summit X440-8t / Software: ExtremeXOS 15.4.1.2 / Hardware: Rev 11.0</td>
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Continued on the next page
FOH AI Console mixer main L/R mix. Able since the Main L/R outputs on the monitor mixes on the Stage RM mixer. All Aux mixes are available to use as processing.

From before or after the Fat Channel route the network send for that channel. Yes, setting up an individual channel’s mixer main mix.

Mixer configuration, the Stage RM respective holders.

PreSonus Audio Electronics. All other trademarks are the property of their respective holders.

PreSonus AI loudspeakers will ship in Q2 2015.

Scene save and recall.

Simple one-step connection takes care of all default routing and setup.

Replacing heavy, noisy analog copper snake with a single CAT5 cable as a snake.

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