STUDIO®
PRO

FENDER STUDIO PRO INTEGRATION WITH STUDIOLIVE® SERIES III MIXERS

USER MANUAL

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1 Fender Studio Pro Quick Start

Fender Studio Pro contains everything you need to jump start your recordings and production. Featuring a fast, flow-oriented, drag-and-drop interface, Fender Studio Pro was built by creative people for creative music production. And nowhere is this more apparent than while working with StudioLive Series III mixers and Fender Studio Pro.

The unique bidirectional control options make Fender Studio Pro and StudioLive Series III mixers an ideal combination for any sized studio.

1.1 About This Manual

We suggest that you use this manual to familiarize yourself with Fender Studio Pro before trying to use it with your mixer. This guide assumes that you have followed the installation and connection procedures described in the ***Using Your StudioLive as an Audio Interface with Universal Control User Guide***.

You cannot use your StudioLive as the audio interface for Fender Studio Pro without installing Universal Control. If you have not already done so, ***please download and install Universal Control and review the Using Your StudioLive as an Audio Interface with Universal Control User Guide before proceeding***.

This guide outlines basic features and functions of Fender Studio Pro as well as advanced integration features that are unique to StudioLive mixers. A complete Reference Manual is located in the Help Menu inside Fender Studio Pro.

Throughout this guide you will find ***Power User Tips***. These tips provide useful hints on how to best use Fender Studio Pro and take advantage of unique workflow functions and features.

This guide provides a general overview of Fender Studio Pro as well as more advanced explanations of the integration features available within Fender Studio Pro for StudioLive Series III mixers. The following companion guides are also available:

Hardware Guides:

- **StudioLive Series III Console Mixer Owner's Manual.** Use this reference guide to understand all the hardware functions on your StudioLive Series III console mixer (StudioLive SE 32, StudioLive SE 24, StudioLive SE 16, StudioLive 64S, StudioLive 32S, StudioLive 32SX, StudioLive 32SC, StudioLive 32, StudioLive 24, StudioLive 16).
- **StudioLive Series III Rackmount Mixer Owner's Manual.** Use this reference guide to understand all the hardware functions on your StudioLive Series III rackmount mixer (StudioLive 32R, StudioLive 24R, StudioLive 16R).

Software Guides:

- **Networking for StudioLive Remote Control.** This guide will assist you in creating a LAN network to remote control your StudioLive from a computer, tablet, or mobile device.
- **Capture 3 User Guide.** Included with StudioLive mixers is Capture, a digital-audio multitrack-recording application designed to make recording quick and easy.
- **QMix-UC User Guide.** This guide describes the features and functions of QMix-UC with every StudioLive mixer model.
- **Universal Control for StudioLive Mixers**. This guide describes the features and functions of Universal Control with every StudioLive mixer model. Universal Control can be used to remotely control every function on your StudioLive mixer or specific functions, depending on the set permissions, or to turn your tablet into additional screens for your mixer.

1.1 About This Manual

Additional Resources:

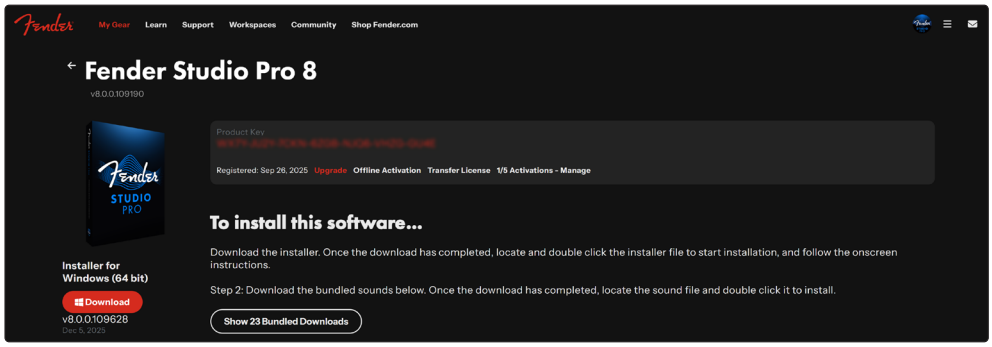
- **StudioLive Series III Advanced AVB Integrator Applications Guide.** This manual covers advanced AVB audio networking configuration for the StudioLive Series III mixers.
- **StudioLive Series III HUI for ProTools DAW Control Addendum.** StudioLive Series III console mixers can control Avid ProTools® using HUI emulation. This guide covers set-up and describes the control functions available.
- **StudioLive Series III MCU for Logic DAW Control Addendum.** StudioLive Series III console mixers can control Apple Logic® using Mackie Control Universal emulation. This guide covers set-up and describes the control functions available.
- **StudioLive Series III Stage Box Mode Addendum.** The StudioLive Series III rackmount mixers (StudioLive 32R, StudioLive 24R, StudioLive 16R) can be used as advanced stage boxes for any StudioLive Series III console mixer.

2 Installation and Authorization

Once you have installed the drivers for your audio interface and connected it to your computer, you can use the included Fender Studio Pro music-production software to begin recording, mixing, and producing your music. To install Fender Studio Pro, log into your MyFender account and register your interface. Your product key for Fender Studio Pro will automatically be registered to your MyFender account with your hardware registration.

2.1 Downloading and running the Fender Studio Pro installer

To install Fender Studio Pro, download the Fender Studio Pro installer from your MyFender account to the computer on which you will use it.



- **Windows users:** Launch the Fender Studio Pro installer and follow the onscreen instructions.
- **Mac users:** Drag the Fender Studio Pro application into the Applications folder on your Mac hard drive.

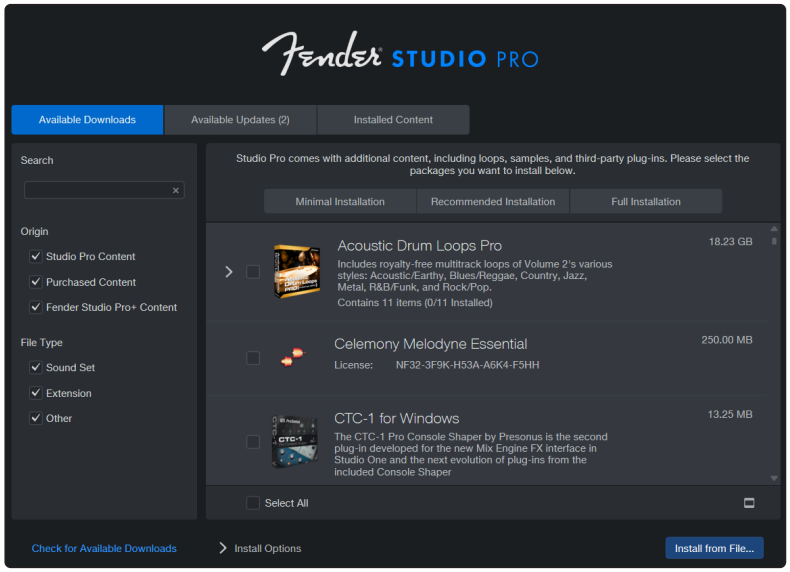
2.2 Authorizing Fender Studio Pro

When Fender Studio Pro is launched for the first time on your computer, it will communicate with your MyFender account and verify your registration. To ensure a seamless authorization process, make sure to download your installer to the computer on which you will be using it and be sure that your computer is connected to the Internet when you launch the application for the first time.

2.3 Installing bundled content for Fender Studio Pro

Fender Studio Pro comes bundled with an array of demo and tutorial materials, instruments, loops, and samples. The Fender Studio Pro bundle includes all that you need to begin producing music.

The first time you launch Fender Studio Pro, you will be prompted to install its companion content. Select the content you wish to add and click "Install." The content will automatically begin to download and install from your MyFender user account.



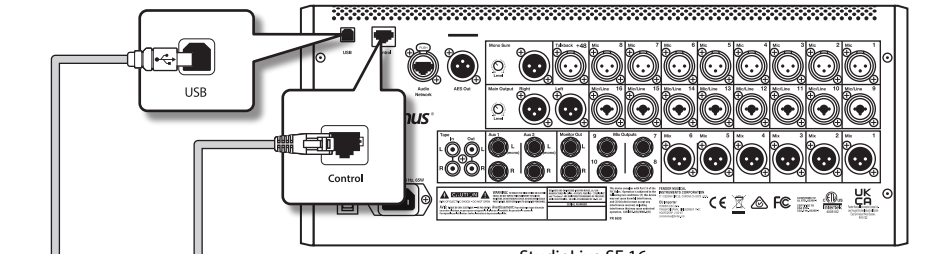
Power User Tip: *You may be prompted to enter your MyFender user account information. Clicking "Remember Credentials" will allow you to have immediate access to any content you purchase from Fender.*

3 Getting Started

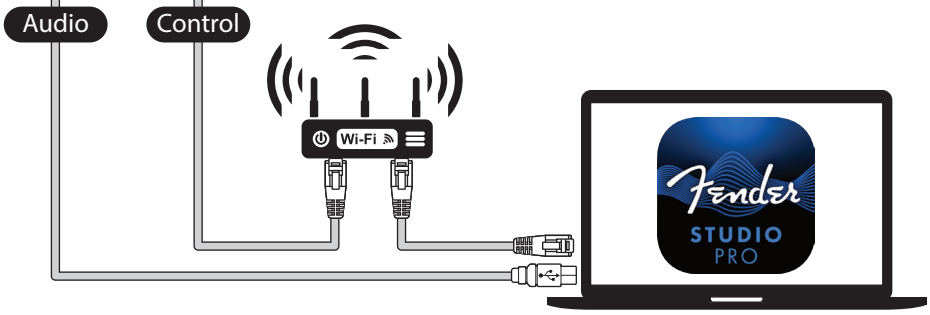
In addition to being a 64x64 audio interface, your StudioLive console mixer is also a powerful DAW controller.

To use DAW control mode for Fender Studio Pro, connect the control port on your mixer to an available Ethernet port on your computer or an available Ethernet port on the same router to which your computer is connected (wired or wirelessly).

You must connect the control port in addition to the USB port to your computer to use control and audio. DAW control over USB is not supported.



StudioLive SE 16



Laptop running Fender Studio Pro

Important: *If you are hardwiring your computer to the same router as your mixer, you must disable the wireless connection on your computer. UCNET does not support dual network connections.*

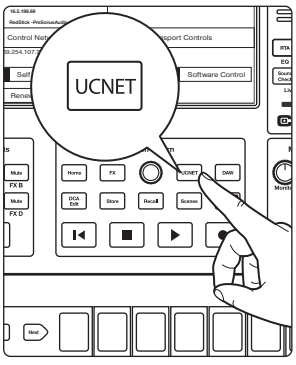
Note: *Ethernet-to-Thunderbolt and Ethernet-to-USBC adapters are also supported. Ethernet-to-USB adapters will not allow your computer to network to a StudioLive mixer.*

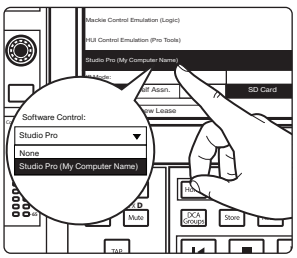
3.1 Controlling Fender Studio Pro

3.1.1 Making the Connections

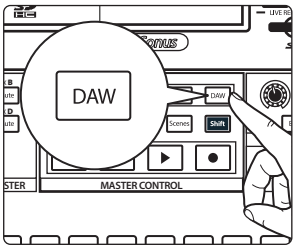
Fender STUDIO PRO

1. Once you have networked your mixer and your computer, the next step is to launch Fender Studio Pro. Fender Studio Pro will automatically detect your mixer, no setup within the application is required.
2. Press the UCNET button on your StudioLive mixer.





3. Tap on the Software Control menu on the Touchscreen and select Fender Studio Pro from the drop-down list.

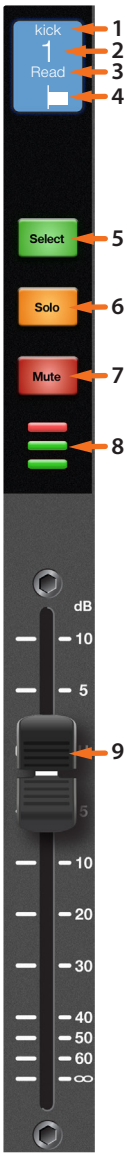


4. Press the DAW button on your mixer to start DAW control mode.

   Power User Tip: *DAW mode can be toggled on and off at will, allowing you to control your mixer's DSP engine and switch back to controlling Fender Studio Pro with the touch of a button.*

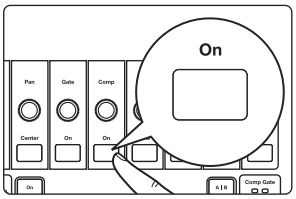
   You are now ready to control Fender Studio Pro!

3.1.2 Channel Controls



1. **Track Name.** Displays the track/bus name that the channel strip functions are controlling.
2. **Track Number.** Displays the track/bus number that the channel strip functions are controlling.
3. **Automation Mode.** Displays the currently selected automation mode for the track.
4. **Pan Position.** Displays the track's current pan position.
5. **Select button.** This button selects the corresponding track or bus in Fender Studio Pro and changes color to match the channel color codes you have chosen in your session.
6. **Solo.** Isolates the corresponding track's output signal in the mix.
7. **Mute.** Mutes the corresponding track's output signal in the mix.
8. **Meters.** Displays the corresponding channel's signal level.
9. **Touch-Sensitive Fader.** This 100 mm motorized fader can be used to control volume levels for any channel or bus in your mix.

3.1.3 Arming Tracks



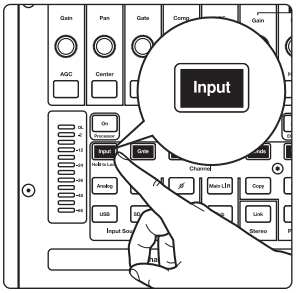
To Arm multiple tracks in Fender Studio Pro at once using your console, enable Input mode on your Fat Channel, then press and hold the button below the Record screen (StudioLive SE 32, 32S, and 64S) or the Comp On button (StudioLive SE 16, SE 24, 32SC, 32SX).

Tracks can be individually armed using this button while the desired track is selected, or from the touch screen. See **Section 3.3.** and **Section 3.4** for more information.

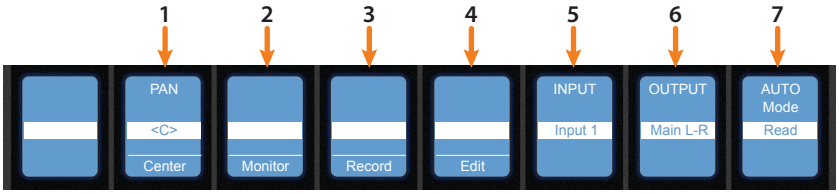
When a track is armed for recording, the track name will color-invert on the scribble strip display to indicate its arm status.

Power User Tip: *Pressing and holding the Record Arm Mode button in the Fat Channel also allows you to quickly check the record arm status of all the tracks in your session. While holding the Record Arm Mode button, the Select button for any track that is already armed for recording will turn red.*

3.1.4 Fat Channel Controls



Press Input in the Fat Channel to access the following Channel controls:

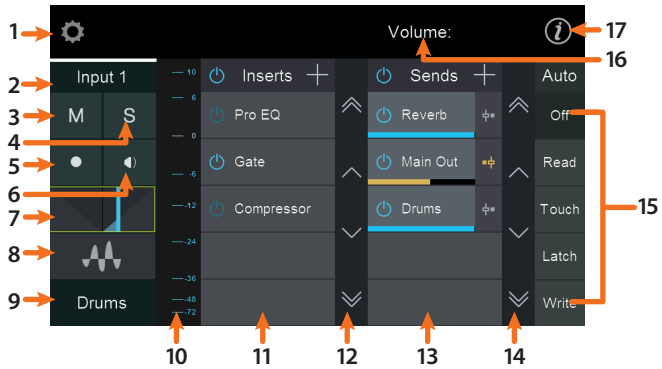


1. **Pan.** Use the encoder to adjust the panning of the currently selected channel. The current pan position will be displayed on the scribble strip display. Press the button to reset the pan position to the center.

   Power User Tip: *Panning can also be adjusted using the value encoder and the touchscreen on your mixer.* ***See Section 3.4 for more information.***
2. **Monitor.** Press this button to enable monitoring on the selected channel. Press and hold it to enable monitoring on multiple channels at once by pressing the Select buttons on the desired channels.
3. **Record.** Press this button enable record arm on the selected channel. Press and hold it to arm multiple channels for recording by pressing the Select buttons on the desired channels. ***See Section 3.2.1 for more information.***
4. **Edit.** Press this button to open the Control Link editor for your StudioLive mixer in Fender Studio Pro. From this window, you can assign any function in your session to the knobs and buttons in the Fat Channel section on your mixer. ***See Section 3.7 for more information.***
5. **Input.** Turn the encoder to change the Input for the selected audio track.
6. **Output.** Turn the encoder to change the Output for the selected track.
7. **Automation Mode.** Turn the encoder to change the Automation mode for the selected track. This mode can also be changed from the touchscreen, ***see Section 3.4 for more information.***

3.1.5 Touchscreen Controls

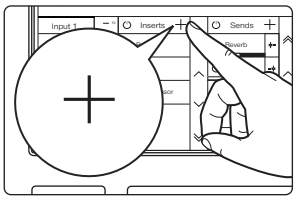
When any track is selected in Fender Studio Pro, the following controls are available on your StudioLive mixer's Touchscreen:



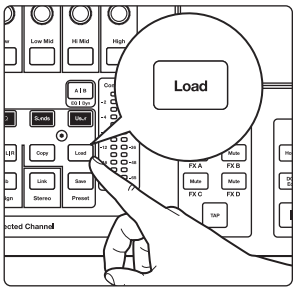
1. **Channel Settings.** Tap to open the Channel Settings window. From here you can change the color of the currently selected track as well as its name.
2. **Input.** Displays the Input source for the currently selected Track (Audio or MIDI input depending on track type).
3. **Mute.** Mutes the currently selected Track.
4. **Solo.** Isolates the currently selected Track.
5. **Record Arm.** Enables currently selected Track for recording.
6. **Monitor.** Enables input monitoring for currently selected Track.
7. **Pan.** Displays pan position. Tap to select and use the Value encoder to adjust.

8. **Type.** Displays Track type.
9. **Output.** Displays the Output destination for the currently selected Track.
10. **Metering.** Displays the metering for the currently selected Track.
11. **Inserts.** Displays the channel inserts. Tap the plus sign to insert a plug-in. Tap the plug-in name to instantiate its window in Fender Studio Pro and its controls on the StudioLive Fat Channel.
12. **Insert Scroll.** Use these arrows to scroll through additional channel inserts.
13. **Sends.** Displays the currently selected channel's sends. Tap the plus sign to add a new Send. Tap any send in the list to engage Aux Sends mode on the StudioLive Fat Channel to adjust the send level.
14. **Sends Scroll.** Use these arrows to scroll through additional channel sends.
15. **Automation Modes.** Tap to select the automation mode for the currently selected Track.
16. **Volume.** Displays the current fader position for the selected track.
17. **Info.** Use this integrated guide as a reference for unlabeled control functions on your console.

3.1.6 Inserts



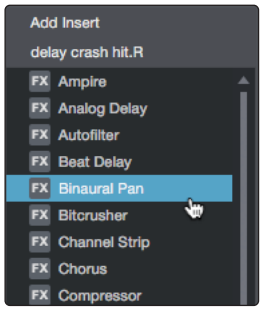
You can add and edit plug-ins to your session from the Touchscreen by pressing the Add Insert button.

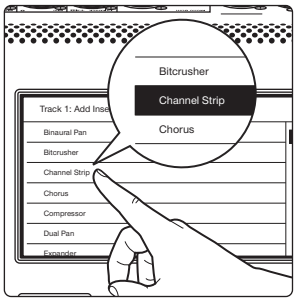


Power User Tip: *You can also open the Add Insert Screen by pressing the Load button in the Fat Channel.*

This will open the Add Insert screen on your mixer.

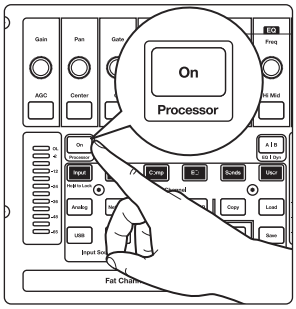
The Add Insert window in Fender Studio Pro will also open.





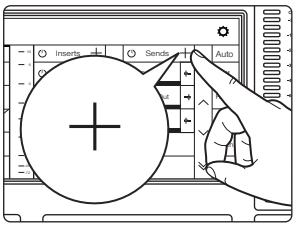
Select the plug-in you would like to insert by touching it on the Touchscreen or clicking it in Fender Studio Pro.

Tap the "X" to cancel.



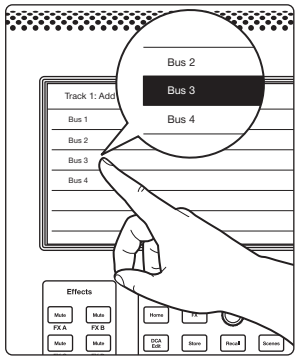
Power User Tip: *Press the Processor On button to disable or enable the currently selected channel's FX Chain.*

3.1.7 Sends



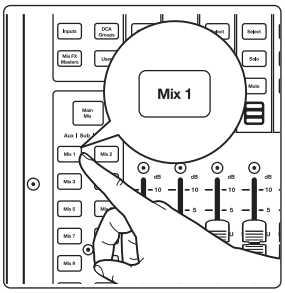
You can add and edit sends to your session from the Touchscreen by pressing the Add Sends button.

This will open the Add Sends screen on your mixer and the Add Sends window in Fender Studio Pro.



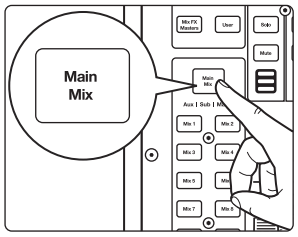
Select the send you would like to insert by touching it on the Touchscreen or clicking it in Fender Studio Pro.

Tap the "X" to cancel.



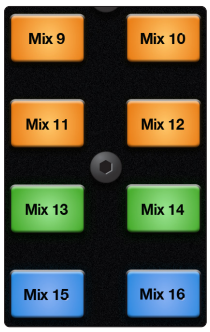
The first eight sends for every channel are also available on the faders by pressing the Mix 1-8 buttons. This will bring up the corresponding send slot for every channel. The active bus name for each will be displayed below the track name.

If no bus is active for the currently selected send slot on any given channel, this middle field will be blank.

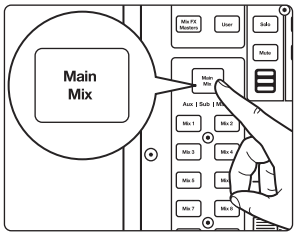


Power User Tip: *Press the Main Mix button to return to the main Fender Studio Pro mix.*

3.1.8 Cue Mixes



The first eight Cue Mix sends for every channel are available on the faders by pressing the Mix 9-16 buttons. This will bring up the corresponding Cue Mix send for every channel across the faders.



Power User Tip: *Press the Main Mix button to return to the main Fender Studio Pro mix.*

3.2 Mix Management

StudioLive DAW Control mode allows you to filter which channels you view locally on the mixer:

By default, the USER layer is active when you enable DAW mode and every channel type is displayed on your StudioLive mixer.

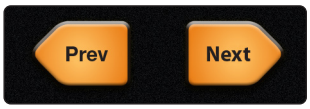
Press the Inputs button to view Input channels only.

Press the Aux Inputs button to view the FX Channels.

Press the DCA Groups button to view the VCA Channels.

Press the Mix / FX Masters button to view the Bus Masters.

Power User Tip: *On the StudioLive 24 and StudioLive 32, the FX Channels, VCA Channels, and Bus Masters will be displayed on the last bank of eight faders. In this way, you can split up large mixes and have access to critical channels quickly and easily.*



Use the Next and Prev buttons to view more channels.

3.3 Metering

Metering is a critical part of the production process. Fender Studio Pro's meters visually display audio levels according to your choice of metering style, and you can meter these levels at various stages in the signal path. For your convenience, these same meters are available on your StudioLive mixer and are scaled as follows:

- **Bottom Green LED:** -48 dBVU to -7 dBVU
- **Middle Green LED:** -6 dBVU to +9 dBVU
- **Top Red LED:** +10 dBVU

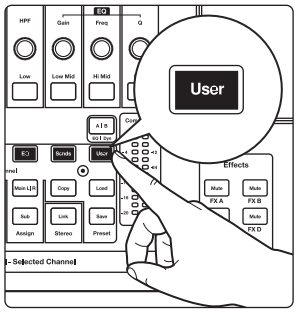
Power User Tip: *The top "clip" LED will remain illuminated for 5 seconds after the signal drops below -0.5 dBFS*

3.4 Control Link

Click on the External Devices drop down menu in the Control Link display and select UCNET Remote to launch the External Devices Editor for your StudioLive Fat Channel controls.

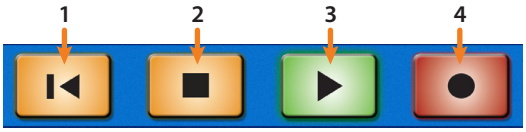
Using the editor, you can customize the functions you would like to map to the User layer of your console's Fat Channel.

Right-click on any control in the Control Link window and select "Assign Command" to customize your Fat Channel USER layer.



Press the USER button to access these controls remotely from your StudioLive.

3.5 Transport

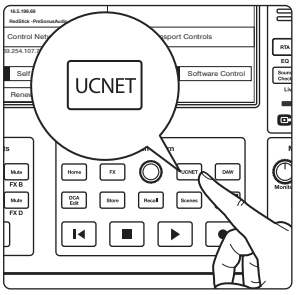


1. **Return to Zero.** Returns playback to the start position. Press with Option for Rewind. Press with CTRL to navigate to the previous marker.
2. **Stop.** Stops playback. Press with Option for Fast Forward. Press with CTRL to navigate to the next marker.
3. **Play.** Starts playback at current position.
4. **Record.** Starts Record at current position.

Press the Tap button to turn the Metronome on or off.

When DAW Mode is active, the Transport on your StudioLive mixer will always control your Fender Studio Pro session. However, you have two options for control when you are in Live Mixing mode and DAW mode is inactive.

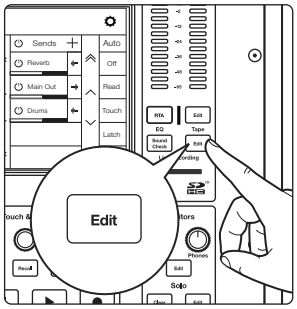
3.5 Transport



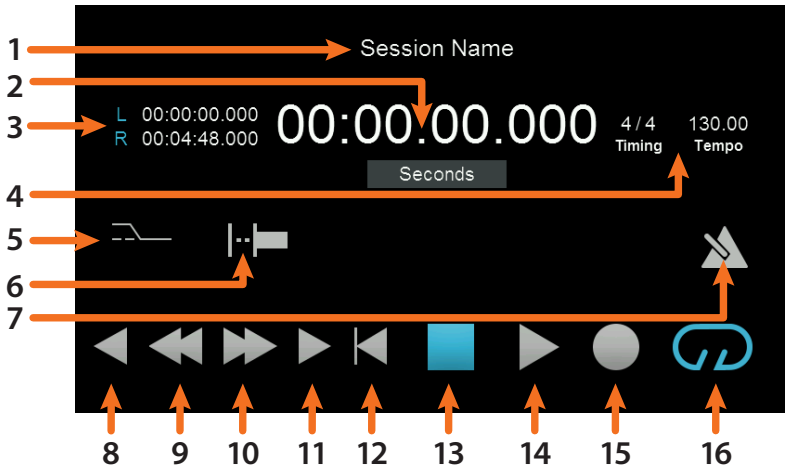
From the UCNET screen, you have the option to select which recording device the Transport will control: SD Card or Software Control.

When SD Card is active, the Transport will control the SD Capture session when DAW mode is inactive. When Software Control is active, the Transport will control the connected Fender Studio Pro session whether DAW mode is active or not.

3.5.1 Transport Screen (Software Control Mode)



While Software Control mode is active, pressing the Edit button in the Live Recording section will open the Transport screen:



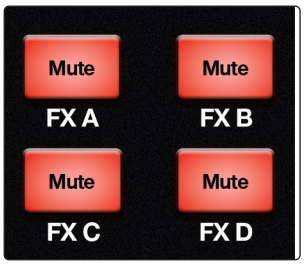
1. **Session Name.** Displays the current session's name.
2. **Current Position.** Displays the current position of the playback cursor.
3. **Loop Length.** Displays the current loop length.
4. **Time Signature and Tempo.** Displays the time signature and tempo of the current Fender Studio Pro session.
5. **Record Mode.** Tap to enable / disable Record Replace Mode.
6. **Preroll.** Tap to turn Preroll on or off.
7. **Click.** Tap to turn Click on or off.
8. **Previous Marker.** Tap to go to the previous marker.
9. **Rewind.** Tap and hold to rewind playback position.
10. **Fast Forward.** Tap and hold to fast forward playback position.
11. **Next Marker.** Tap to go to the next marker.
12. **Return to Zero.** Tap to return the playback cursor to the zero position.
13. **Stop.** Tap to stop playback.
14. **Play.** Tap to start playback.
15. **Record.** Tap to engage record.
16. **Loop.** Tap to turn looping on or off.

3.6 General Session Tools

In addition to remotely controlling various aspects of your session, your StudioLive also provides more general controls to simplify your Fender Studio Pro workflow. This section describes these additional functions.

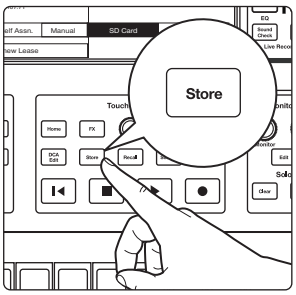
3.6.1 Views

The four FX Mute buttons on your StudioLive allow you to open and close the following views in your Fender Studio Pro session:

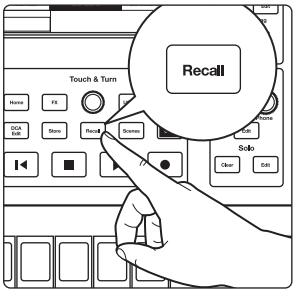


- **FXA Mute:** Open/Close Inspector
- **FXB Mute:** Open/Close Editor
- **FXC Mute:** Open/Close Mixer
- **FXD Mute:** Open/Close Browser

3.6.2 Save and Undo



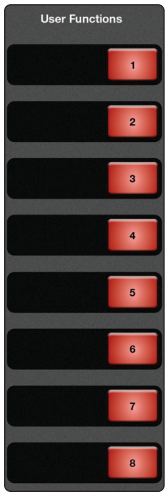
Press Store to save your session.



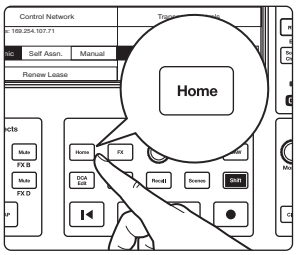
Press Recall to undo the last action.

Power User Tip: *Press SHIFT + Recall to Revert your Session to a previous version.*

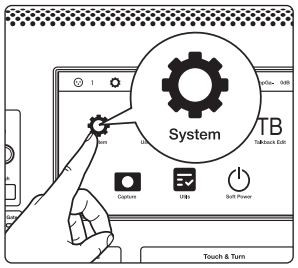
3.6.3 Quick Keys



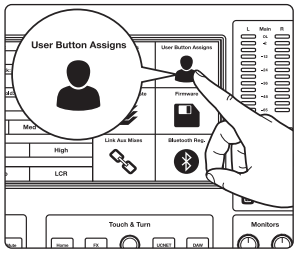
The User Function buttons can be assigned to any key command in Fender Studio Pro. To program your favorite commands:



1. While DAW Mode is active, press the Home button.



2. Touch the System icon on the Touchscreen.



3. Touch the User Assign Buttons icon the Touchscreen.

4. Assign functions to any of the eight User Function buttons by pressing the Edit button next to the corresponding User Function button name in the Touchscreen.

3.7 Active Mixer Controls

While Fender Studio Pro Control mode is active, the following mixer controls will still function as active controls for your StudioLive mixer, rather than your Fender Studio Pro session:

- Monitor Bus Controls
- Solo Bus Controls
- Tape Controls
- Talkback Controls

Power User Tip: *When a PreSonus Audio Interface with onboard Talkback (Quantum- or Studio 192-series) is selected as the audio interface for your Fender Studio Pro session, the StudioLive Talkback controls the Fender Studio Pro / Interface Talkback, not the StudioLive.*

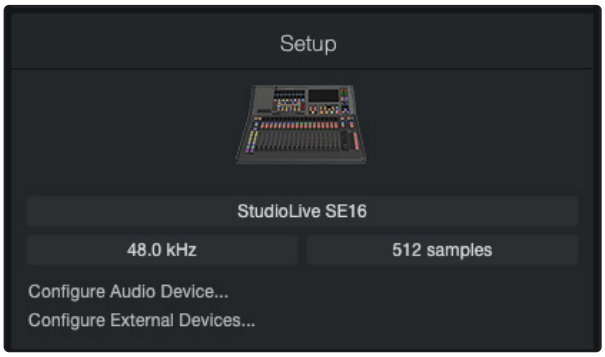
4 Getting Started In Fender Studio Pro

Fender Studio Pro was designed to work with Fender and PreSonus devices and provides unique interoperability and simplified setup. When Fender Studio Pro is launched, by default you will be taken to the Start page. On this page, you will find document-management and device-configuration controls, as well as a customizable artist profile, a news feed, and links to demos and tutorials from PreSonus. If you have an Internet connection on your computer, these links will be updated as new tutorials become available on the PreSonus Web site.

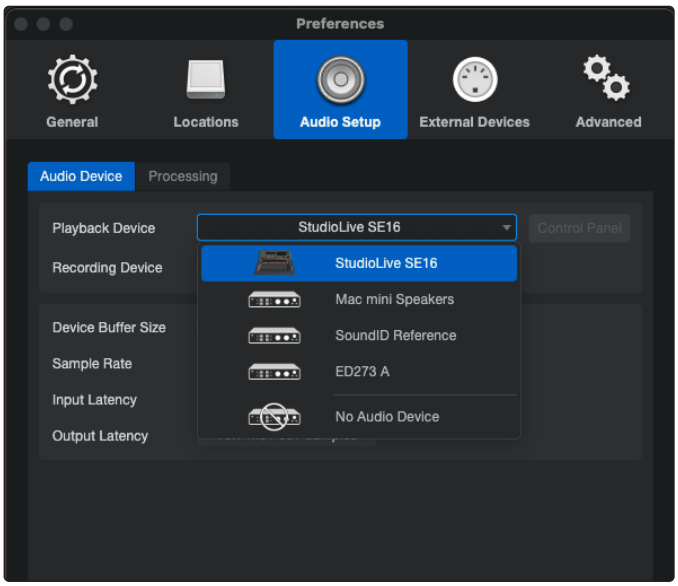
Complete information on all aspects of Fender Studio Pro is available in the User Manual located within Fender Studio Pro. The information in this tutorial covers only the basic aspects of Fender Studio Pro and is intended to get you set up and recording as quickly as possible.

4.1 Configuring Audio Devices

1. In the middle of the Start page, you will see the Setup area. Fender Studio Pro automatically scans your system for all available drivers and selects a driver. By default, it will choose your StudioLive driver if the device is connected.



2. If you do not see your device listed on the Start page when you launch Fender Studio Pro, click on the Configure Audio Devices link in the Setup area to open the Options window.



In the Options window, click on the Audio Setup tab and select your device driver from the pull-down.

4.2 Configuring MIDI Devices

From the External Devices window in Fender Studio Pro, you can configure your MIDI keyboard controller, sound modules, and control surfaces. This section will guide you through setting up your MIDI keyboard controller and sound modules. Please consult the Reference Manual located within Fender Studio Pro for complete setup instructions for other MIDI devices.

If you are using a third-party MIDI interface or USB MIDI-controller keyboard, you must install any required drivers for these devices before beginning this section. Please consult the documentation that came with your MIDI hardware for complete installation instructions.

***If you do not have any MIDI devices, please skip to* Section 4.3.**

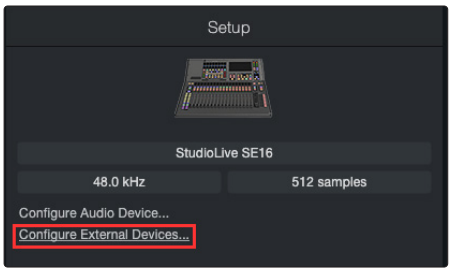
4.2.1 Setting up External MIDI Devices

A MIDI keyboard controller is a hardware device that is generally used for playing and controlling other MIDI devices, virtual instruments, and software parameters. In Fender Studio Pro, these devices are referred to as Keyboards, and they must be configured before they are available for use. In some cases, your MIDI keyboard controller is also used as a tone generator. Fender Studio Pro views the controller and tone-generation functions as two different devices; a MIDI keyboard controller and a sound module. The MIDI controls (keyboard, knobs, faders, etc.) will be set up as a Keyboard. The sound modules will be set up as an Instrument.

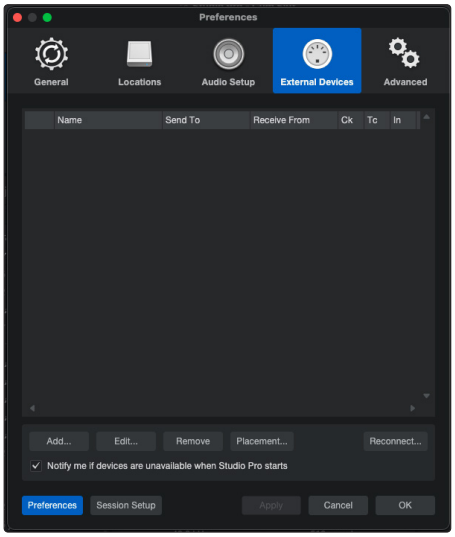
You can set up your external MIDI devices from the Setup area in the Start page. Before setting up a new Session for recording, take a moment to configure external devices.

Make sure you have the MIDI I/O on your external devices connected to an available port on your MIDI interface. If your MIDI device offers MIDI over USB, simply connect it to an available USB port on your computer. Make sure to install any necessary drivers.

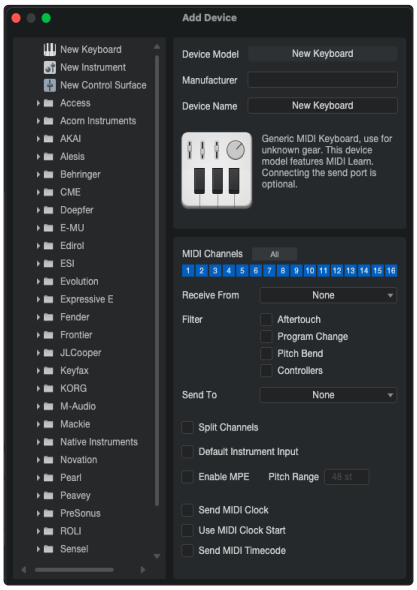
1. Click on the Configure External Devices link in the Setup area on the Start page to launch the External Devices window.



2. Click the Add button. This will launch the Add Device window.



3. From the menu on the left, select your MIDI controller from the list of manufacturers and models. If you do not see your MIDI controller listed, select New Keyboard. At this point, you can customize the name of your keyboard by entering the manufacturer and device names.



4. You must specify which MIDI channels will be used to communicate with this keyboard. For most purposes, you should select all MIDI channels. If you are unsure of which MIDI channels to choose, select all 16.
5. Fender Studio Pro allows you to filter out specific control functions. If you would like Fender Studio Pro to ignore Aftertouch, Pitch Bend, Program Change, or All CC messages, enable filtering for any or all of these messages.
6. In the Receive From drop-down menu, select the MIDI interface input from which Fender Studio Pro will receive MIDI data (that is, the MIDI port to which your keyboard is connected).

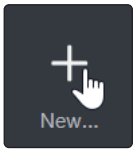
   Power User Tip: *In the Send To drop-down menu, select the MIDI interface output from which your Fender Studio Pro will send MIDI data to your keyboard. If your keyboard controller doesn't need to receive MIDI data from Fender Studio Pro, you can leave this unselected.*
7. If this is the only keyboard that you will use to control your external synthesizers and virtual instruments, you should check the box next to Default Instrument Input. This will automatically assign your keyboard to control all MIDI devices in Fender Studio Pro.
8. Click OK.

   If you have a sound module that you'd like to connect, leave the External Devices window open and add a new Instrument.

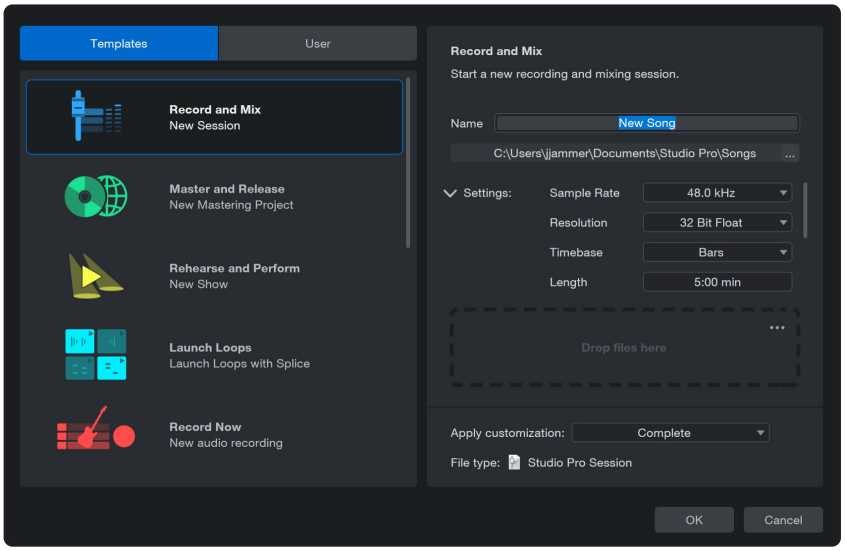
4.3 Creating a New Session

Now that you've configured your audio and MIDI devices, let's create a new Session. We'll start by setting up your default audio I/O.

1. From the Start page, select "New".



2. In the New window, name your Session and choose the directory in which you'd like it saved. From the Interfaces tab, you can select custom templates for your StudioLive mixer that will set all configuration and I/O settings for you. The rest of section will describe creating a Session from an empty session.



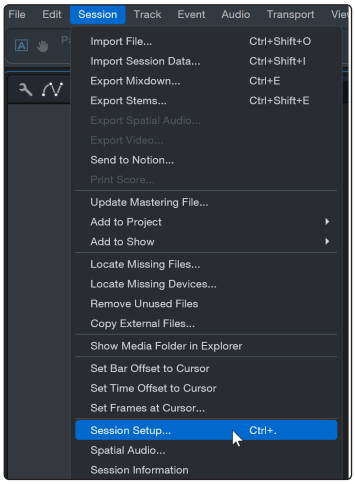
3. Select the "Record and Mix" option . At this point, you should give your Session a name and select your preferred sample rate and bit depth for recording and playback. You can also set the length of your Session and the type of time format you would like the timeline to follow (notation bars, seconds, samples, or frames). Click the OK button when you are finished.

   You must set your StudioLive mixer's sample rate from the System menu if you wish to record at rate other than what your StudioLive is set to. By default, Studio Pro will create a session that matches the rate to which your mixer is current set.

   Power User Tip: *If you plan to import loops into your Session, make sure that the Stretch Audio Files to Session Tempo option is selected. This will automatically import loops at the correct BPM.*

4.3.1 Configuring Your I/O

1. Click on Session | Session Setup to set your sample rate and resolution and configure your audio I/O.



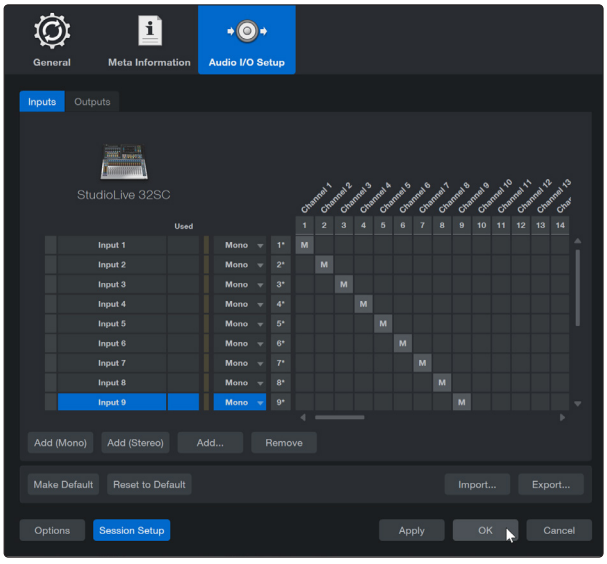
2. Click on the Audio I/O Setup tab.

3. From the Inputs tab, you can enable any or all of the inputs on your StudioLive mixer that you'd like to have available. With the exception of the StudioLive 16R, every StudioLive Series III mixer provides 64 inputs and 64 outputs. Depending on your session size, you may or may not wish to enable every USB I/O stream.

   Note: *If you have USB Compatibility Mode enabled on your console, you will only see 34 inputs and 34 outputs.*

   In general, we suggest that you create a mono input for each input channel on your StudioLive mixer that is connected to a physical input, either via the onboard inputs or over the network. If you plan on recording in stereo, you can create stereo channels as needed for the desired inputs on your mixer.

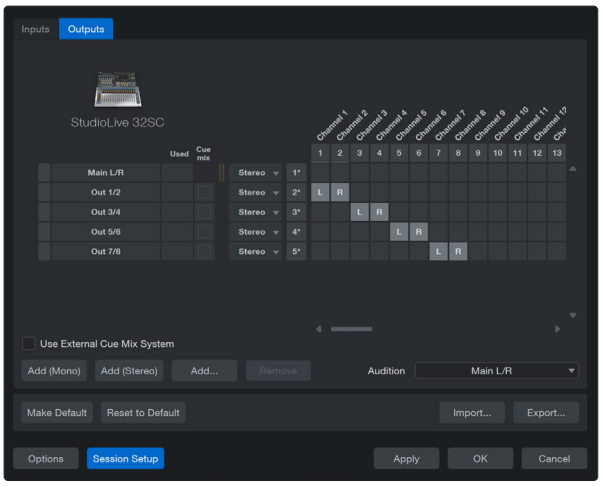
   You can give each input a custom name by simply clicking on the default name. Press the TAB key to edit the next name.



4. Click on the Outputs tabs to enable any or all of the USB returns to your StudioLive Mixer. Again, with the exception of the StudioLive 16R, every StudioLive Series III mixer is equipped with 64 USB streams that can be returned to any channel on the mixer.

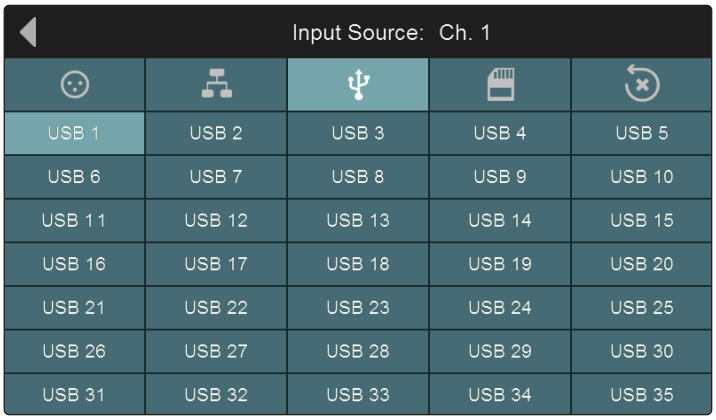
   It is recommended that you enable a USB return for every input channel on your StudioLive mixer or Compatibility Mode. This will make it easier to create monitor mixes or quick mix downs using the mixing facilites on your StudioLive.

In the lower right corner, you will see the Audition select menu. This allows you to choose the output from which you will audition audio files prior to importing them into Fender Studio Pro. In general, you will want this to be the main output bus. You can give each output a custom name by simply clicking on the default name. Press the TAB key to edit the next name.



Power User Tip: *If you would like this I/O configuration to be the same every time you open Fender Studio Pro, click the Make Default button.*

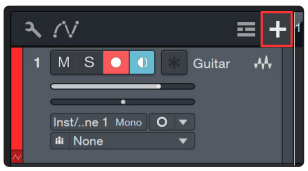
There are several ways to mix using your StudioLive mixer in Fender Studio Pro. If you would like to mix on your StudioLive, rather than within Fender Studio Pro, create one mono output for every Digital Return. By default, USB Returns are patched to their corresponding channel on your StudioLive mixer, however any USB Return can be routed to any input channel from the Input Source menu on your StudioLive console Touch Display or from Universal Control:



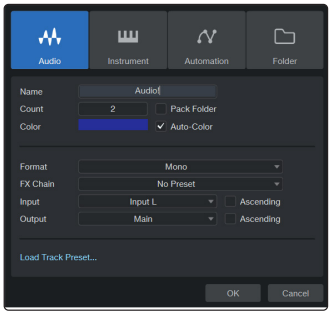
If you would like to mix inside Fender Studio Pro, you will need to create at least one stereo output for the Main bus. In general, it is recommended that you use the Tape Left/Right Return for Series III mixers as this allows you to return audio to your mixer without using a channel on your StudioLive. By default, USB Returns 63-64 are the source for the Tape input. This can be changed in the Input Source menu as well.

4.3.2 Creating Audio and MIDI Tracks

1. In the upper left corner of the Arrange window, you will notice several buttons. The button furthest to the right is the Add Tracks button. Click on this button to open the Add Tracks window.



2. In the Add Tracks window, you can customize the track name and color, add a preset rack of effects, and set the physical source for the input and output of your audio tracks. Most important, you can select the number and type of tracks you'd like to create.



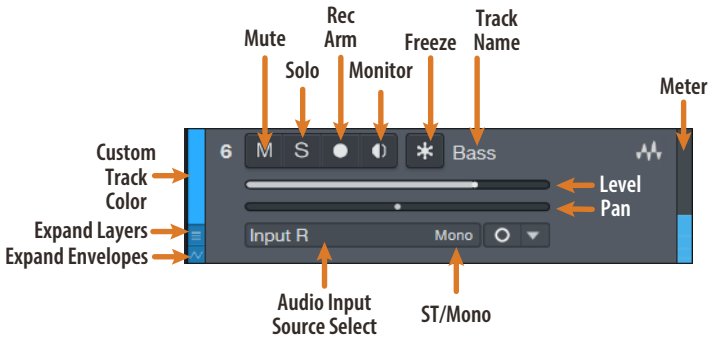
» **Audio.** Use this track type to record and playback audio files.

» **Instrument.** Use this track to record and playback MIDI data to control external MIDI devices or Virtual Instrument plug-ins.

» **Automation.** This track type lets you create automated parameter controls for your session.

» **Folder.** This track helps you to manage your session as well as to quickly edit multiple tracks at once.

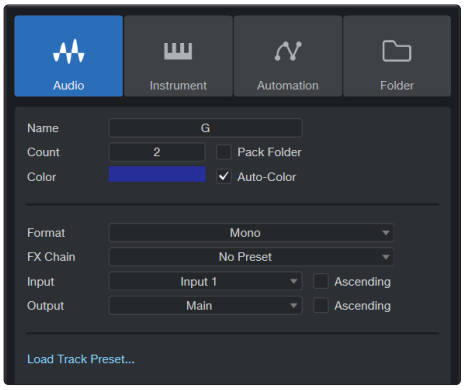
Power User Tip: *If you would like to add an audio track for each of the available inputs, simply go to Track | Add Tracks for All Inputs.*



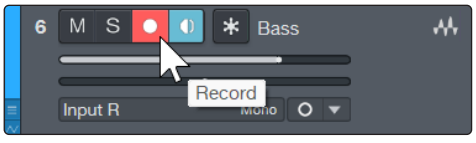
Note: *MIDI tracks are nearly identical to Audio tracks. The Input Source list for MIDI tracks lists available external MIDI devices as well as any virtual instruments that have been added to the Session.*

4.3.3 Recording an Audio Track

1. To begin recording, create an audio track from the Add Tracks window, set its input to Input 1 on your StudioLive mixer, and connect a microphone to the same input.



2. Select Record Enable on the track.



3. Turn up the Input 1 level on your mixer while speaking/singing into the microphone. This can be done from your mixer's control surface, or from Fender Studio Pro.

4. You should see the input meter in Fender Studio Pro react to the input. Adjust the gain so the input level is near its maximum without clipping (distorting).

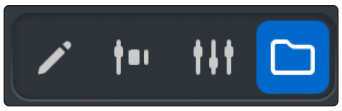
   You are now ready to start recording. For complete instructions, please consult the Fender Studio Pro User Manual located in Help | Fender Studio Pro User Manual.

5 Adding Virtual Instruments, Effect, and Files

You can add plug-ins and instruments to your Session by dragging-and-dropping them from the browser. You can also drag an effect or group of effects from one channel to another, drag in customized effects chains, and instantly load your favorite virtual instrument preset without ever scrolling through a menu.

5.1 Opening the browser

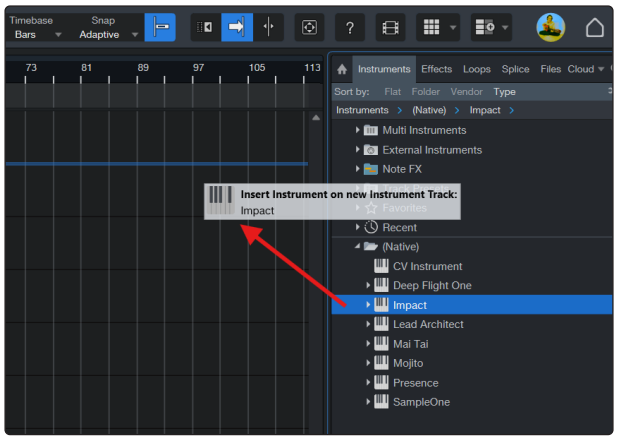
In the lower right corner of the Arrange window are three buttons:



- The Editor button opens and closes the audio and MIDI editors.
- The Channel Overview button opens and closes the Channel Overview window.
- The Console button opens and closes the Mixer Console window.
- The Browser button opens the browser, which displays all of the available virtual instruments, plug-in effects, audio files, and MIDI files, as well as the pool of audio files loaded into the current session.

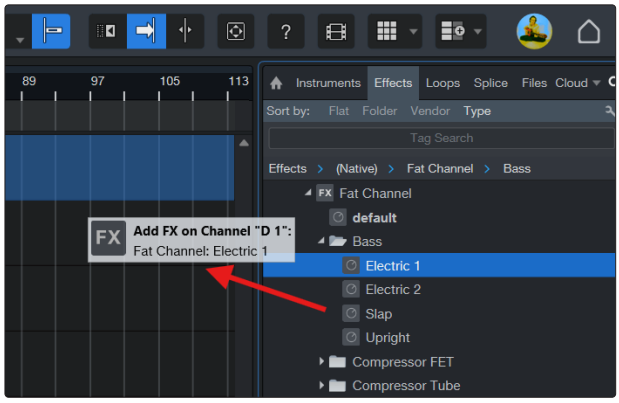
5.2 Drag-and-drop virtual instruments

To add a virtual instrument to your session, open the browser and click on the Instrument button. Select the instrument or one of its patches from the instrument browser and drag it into the Arrange view. Fender Studio Pro will automatically create a new track and load the instrument as the input.



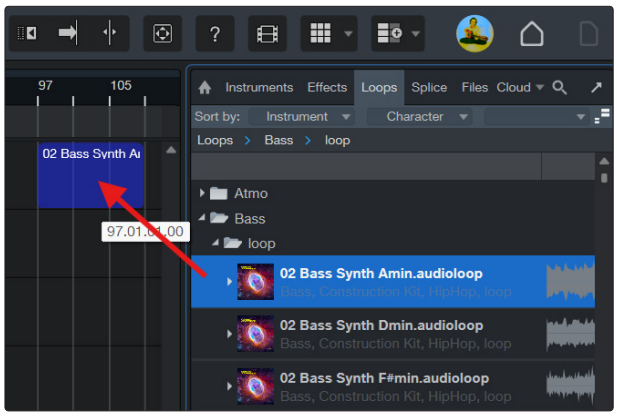
5.3 Adding Effects

To add a plug-in effect to a track, click the Effects button in the browser and select the plug-in or one of its presets in the effects browser. Drag-and-drop the selection over the track to which you would like to add the effect.



5.4 Drag-and-Drop Audio and MIDI Files

Audio and MIDI files can be quickly located, auditioned, and imported into your Session by dragging them from the file browser into the Arrange view. If you drag the file to an empty space, a new track will be created with that file placed at the position to which you dragged it. If you drag the file to an existing track, the file will be placed as a new part on the track.



6 StudioLive Integration

When connected to Fender Studio Pro as an audio interface, your StudioLive mixer is an integrated extension of your recording environment. The exclusive hybrid Fat Channel plug-in runs on your mixer's DSP and in Fender Studio Pro on your computer, so you can record and monitor with StudioLive-based processing and seamlessly switch to the Fender Studio Pro Fat Channel for playback.

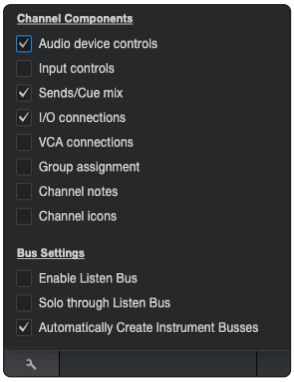
StudioLive Series III mixers are also provided with remote preamp controls from within Fender Studio Pro so you can recall recording session input controls in addition to your audio.

From Fender Studio Pro, you also have the option to set up cue mixes that allow you to monitor through your mixer and create custom mixes within Fender Studio Pro without creating an aux mix on your StudioLive.

6.1 Integrated StudioLive Controls

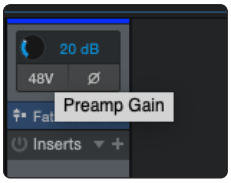
Fender Studio Pro offers integrated controls for StudioLive mixers allowing you to remotely control both your StudioLive preamps and the Fat Channel. As soon as you select a StudioLive mixer as the audio interface for Fender Studio Pro and create an audio track for any mixer input, you will find these controls in the console view in Fender Studio Pro. It should be noted that these controls are bidirectional, so changes made in Fender Studio Pro are reflected on your mixer and vice versa.

You can choose to hide the Fat Channel and Preamp controls for your StudioLive mixer from the Console Options menu.



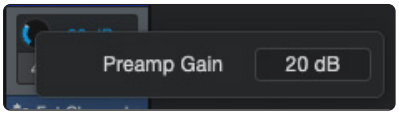
Simply uncheck the box next to "Audio Device Controls" in the Channel Components options.

6.1.1 Controlling Remote Mic Preamps



Once an audio channel is created and configured to use one of the StudioLive's input channels as the source, preamp controls for that channel on your StudioLive will be available in the Fender Studio Pro console.

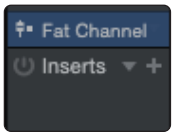
Above the channel in Fender Studio Pro, you will find controls for phantom power, polarity, and preamp gain. These remotely control the physical controls on your StudioLive mixer as well as mirror the controls in Universal Control.



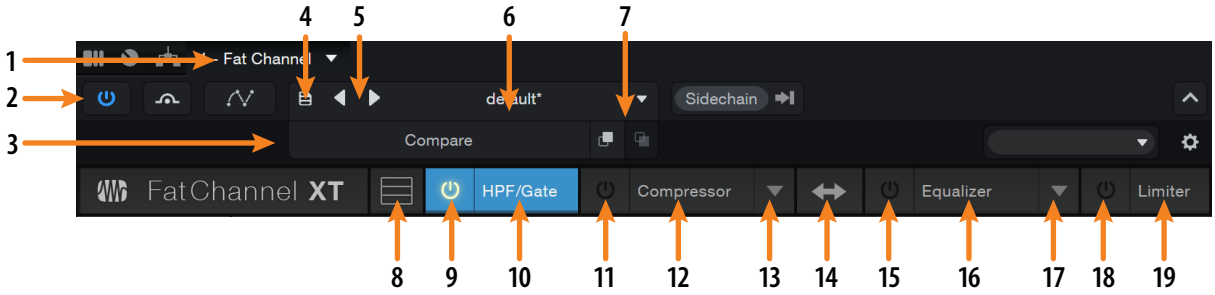
To adjust the preamp gain, click and hold on the dB read-out. Right-click on the gain knob to open a larger display.

6.1.2 Fat Channel Plug-in

Fender Studio Pro offers an exclusive hybrid plug-in format that allows the Fat Channel plug-in to run either on the DSP engine onboard your StudioLive mixer or on your computer's processor in Fender Studio Pro. So, while you're recording, the plug-in runs on your mixer's DSP. While you're playing back, it's running on your computer.

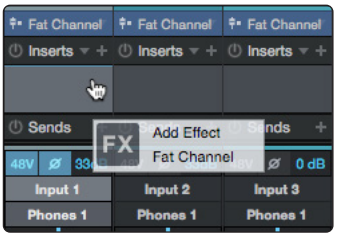


The StudioLive instance of the Fat Channel plug-in is automatically loaded into the mixer as soon as you select one of the analog inputs on your StudioLive as the source for an audio track. It will show up in blue above the inserts in the console.



1. **Current Channel.** Displays the channel on which the current Fat Channel plug-in is running.
2. **Apply DSP to Input Signal.** Prints the Fat Channel processing on the recorded audio.
3. **Compare.** Use this button to switch between two different Fat Channel settings.
4. **Preset Menu.** Click to view Store/Recall/Export/Import options for Fat Channel presets.
5. **Next / Prev track.** Advances to the next or previous track on which a Fat Channel is inserted.
6. **Preset List.** Click here to view the list of stored Fat Channel presets.
7. **Copy / Paste.** Use these buttons to copy settings from one channel to another.
8. **Stacked Mode.** By default, the Fat Channel displays one component at a time. Enabling Stacked Mode will allow you to view all the Fat Channel components as a single insert (As shown at the beginning of ***Section 5.1.2***).
9. **Gate On / Off.** Enables / disables the Noise Gate in the Fat Channel signal path.
10. **View HPF / Gate.** Click to view the High Pass Filter and Noise Gate controls.
11. **EQ On / Off.** Enables / disables the EQ in the Fat Channel signal path.
12. **View EQ.** Click to view the Equalizer controls.

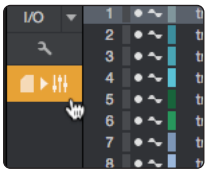
13. **EQ Models.** Click to select the Equalizer model you'd like to use. If you have purchased any Fat Channel add-on EQ models, they will be available here.
14. **EQ <-> Compressor.** Click to swap the EQ and the Compressor in the signal path.
15. **Compressor On / Off.** Enables / disables the EQ in the Fat Channel signal path.
16. **View Compressor.** Click to view the Compressor controls.
17. **Compressor Models.** Click to select the Compressor model you'd like to use. If you have purchased any Fat Channel add-on Compressor models, they will be available here.
18. **Limiter On/Off.** Enables / disables the Limiter in the Fat Channel signal path.
19. **View Limiter.** Click to view the Limiter controls.



To listen to your recording through the same Fat Channel processing as the audio you are monitoring, drag the DSP Fat Channel plug-in down to the channel insert. This will load an instance of the native Fat Channel plug-in.

By default, the "link to DSP button" will be enabled. This links the parameter controls between the native and DSP Fat Channel plug-in instances. So, editing either will change both.

Power User Tip: *You can also drag in your favorite Fat Channel plug-in presets from the Browser. Once inserted on your channel, clinking the "link to DSP" button will copy that preset to your DSP Fat Channel. This bidirectional workflow allows you to copy settings from your DSP Fat Channel to your DAW insert or vice versa.*



When DSP Fat Channel settings have been saved with a Fender Studio Pro session, you will be given the option to restore these settings on the mixer.

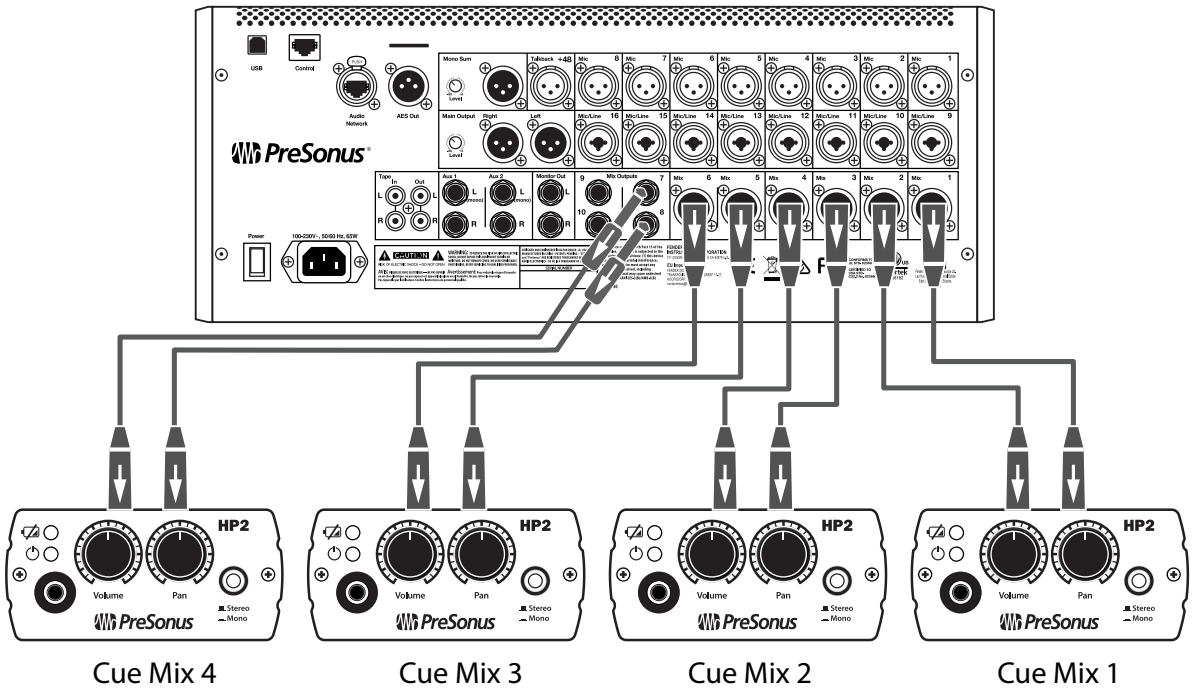
6.2 Mixing Capture Sessions

If your Capture Session has a StudioLive mix scene saved with it, your Fender Studio Pro mixer will load the scene into its console, complete with all your Fat Channel settings, fader levels, FX sends, mutes, solos, pan settings, and bus assignments. This allows you to mix your Capture sessions with the same Fat Channel settings you used live, even when you're away from your StudioLive mixer. Fender Studio Pro will create four FX buses and preserve any channel sends to them; however you will need to drag and drop your favorite reverb and delay plug-ins on these buses as there are no Native versions of the StudioLive reverb and delay engines. For linked channels, Fender Studio Pro will also load the Binaural Pan plugin to maintain the width control provided by your StudioLive mixer for stereo channels.

6.3 Setting Up Cue Mixes for StudioLive Series III Consoles

Because StudioLive Series III console mixers offer a DAW control mode for Fender Studio Pro, they are a natural fit for any studio environment using Fender Studio Pro as the main DAW. Cue Mixes can be set up two different ways. You can use the FlexMixes on your StudioLive mixer to create aux mixes for your musicians, or you can control the entire routing from within Fender Studio Pro. The former approach is great for initial tracking. The latter makes doing punch-ins and post-production recording more flexible and simpler. This section will go through the routing for this latter application.

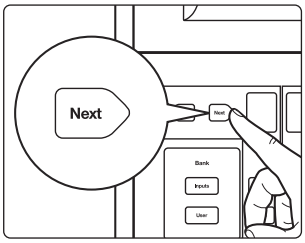
6.3.1 Step 1: Setting Up Your Mixer



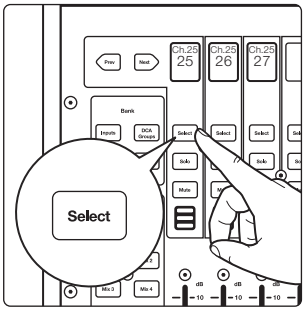
In this setup, we'll be setting up four stereo Cue Mixes using the last eight Digital Returns on your mixer. This scenario assumes that you are not using these inputs for other purposes. Other options for your Cue Mix returns are the Aux Inputs and the Tape Return. However, the same principles apply regardless of which Digital Return you wish to use.

In our example, we will be using FlexMixes 1-8 for our headphone mixes.

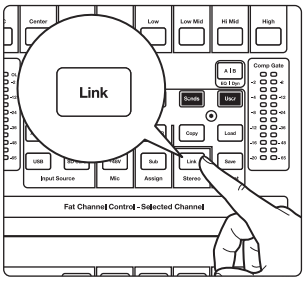
Configuring your Cue Mix Return Channels:



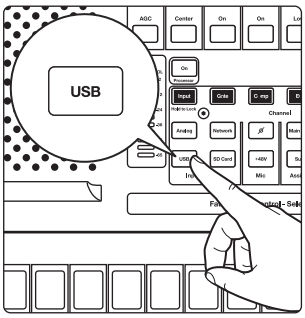
1. On your mixer, bank over to Inputs 25-32.



2. Press the Select button on Channel 25.

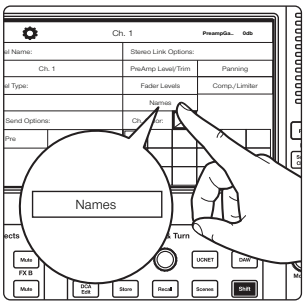


3. Press the Link button to stereo link Inputs 25-26.



4. Press the USB button to return audio from Fender Studio Pro to Inputs 25-26.

5. Press the Channel Settings gear on the Touchscreen.



6. Enable Names in Stereo Link options.

7. Name Channel 25 “Cue Mix 1.”
8. Repeat Steps 1-5 for Channels 27, 29, and 31, naming each Cue Mix 2, Cue Mix 3, and Cue Mix 4 respectively.

Configuring your Monitor Mixes

1. Select Mix 1 and link it to Mix 2.
2. Bank over to Channels 25-26 and raise the faders to unity.
3. Repeat Steps 1-2 for Mixes 3, 5, and 7 with Channels 27-28, 29-30, and 31-32 respectively.

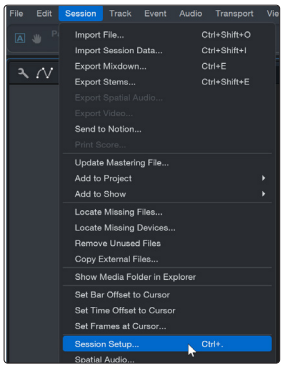
6.3.2 Configuring Audio Routing in Fender Studio Pro

You can set up monitor mixes within Fender Studio Pro using Cue Mixes. This feature gives you the ability to create monitor mixes with pre-recorded material without having to route everything back to your mixer. This is a great option for people mixing "in the box" or when you have just a few extra backing vocals to add at the end of a large session.

Simply designate a pair or pairs of outputs as a cue mix, and you'll find the Cue Mix controls in your Fender Studio Pro mixer. You can create a cue mix and send it to any Digital Return on your StudioLive mixer where it can then be routed to any output.

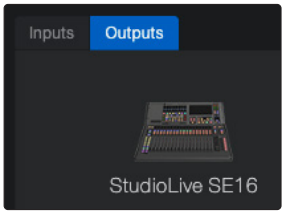
To begin, you must first enable Interface Mode from the System Menu of your console. In this mode, USB Returns routed directly to Mix outputs, bypassing the local FlexMixes as follows: USB Returns 1-32 to Channels 1-32, USB Returns 33-38 to Aux Input 1, 2, and Tape Return, USB Returns 39-54 to Mix Outputs 1-16.

1. From the Session menu, select "Session Setup."



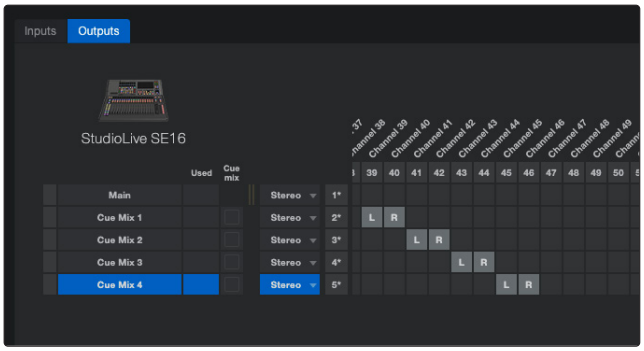
2. Click on Audio I/O Setup.

3. Click on the Outputs tab.



4. Add four new Stereo buses and label them Cue Mix 1, Cue Mix 2, Cue Mix 3, and Cue Mix 4, respectively.

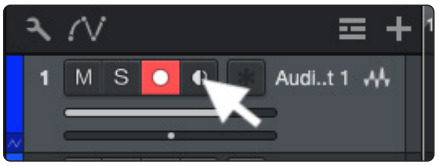
5. Route "Cue Mix 1" to Channels 39-40, "Cue Mix 2" to Channels 41-42, "Cue Mix 3" to Channels 43-44, and "Cue Mix 4" to Channels 45-46.



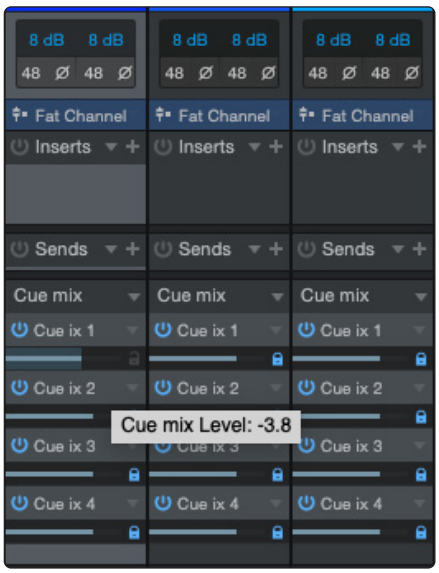
6. Check the box next to "Cue Mix" beside each of your new buses.
7. Click "Apply" and then "OK" to complete.
8.

6.3.3 Creating a Headphone Mix

Now that your mixer and your Fender Studio Pro session are configured, you can create a monitor mix. For the purposes of our tutorial, we will set up the headphone mix for Cue Mix 1 only. You can use these same steps for the other mixes as well.



For every channel you are monitoring live while recording, you must disengage the Fender Studio Pro monitoring option. You will be monitoring these channels from your console, not through Fender Studio Pro.



For the rest of the tracks in Fender Studio Pro, you will be using the Cue Mix 1 object in the Fender Studio Pro mixer to set the level in your headphone mix.

Cue Mix can be controlled by the Main level fader for Mix 1 on your console.

Power User Tip: *Cue Mixes can be controlled from your mixer while in DAW mode for Fender Studio Pro. While DAW mode is active, Mix 9 controls the mix levels for Cue Mix 1. See* **Section 3.1.8** *for more details.*

Be sure to check out **www.fender.com** for the latest feature lists, compatibility, and computer requirements.

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