

**Fender<sup>®</sup>**

**SR6325**  
**Powered Mixer**

**Operating Instructions**

## INTRODUCTION

325 Watts into 4 ohms (two 160 Watt - 8 ohm outputs)

Six Channel with Two Stereo input Channels

2-Band Channel EQ

Main and Monitor Graphic Equalizers

Digital Effects with 128 Presets

+24V DC Phantom Power

XLR and 1/4" Balanced Input Connectors

Channel Clip Indicators

Thank you for purchasing the SR6325, a 325 watt professional powered mixer from your friends at Fender® Pro Audio. We are sure you will find your new SR6325 to be both a unique and effective sound reinforcement product, providing years of trouble-free service.

With ease of set up in mind, the integrated mixer/amplifier design of your SR6325 makes it a complex and versatile unit, yet simple to operate. Enclosed in a boxtop style cabinet, your SR6325 features individual channel preamps, +24V DC Phantom power, a 9-band and a 5-band graphic equalizer, mic and line level channel inputs, a patch bay and on-board digital signal processing. With 1/4" TRS phone jacks, 3-pin XLR female input jacks and stereo RCA inputs, your SR6325 can accommodate almost any input connection and signal level.

Ideal for live music, rehearsal, churches, restaurants, auditoriums, hotel conference or meeting rooms, your SR6325 is suitable for a wide variety of sound reinforcement applications.

Designed to meet the most demanding needs of audio professionals, your SR6325 will provide years of reliable, trouble-free service, day in and day out. Please read through this owner's manual in order to more thoroughly understand the operation of your SR6325.

### Warning:

- **To reduce the risk of fire or shock Hazard, do not expose this unit to rain or moisture.**
- **No user serviceable parts inside, refer servicing to qualified personnel only.**
- **Allow at least 3" (7.6 cm) around the unit for proper ventilation.**
- **This unit must be earth grounded.**

## Input Channel Controls

### CHANNEL EFFECTS KNOB

This knob controls the amount of signal its respective channel sends to the overall effects mix. When the knob is set at 0, the output is “dry”. This signal is post-fader and post-EQ. In other words, adjustments to the channel Level control will effect the level sent to the effects mix.

### CHANNEL HIGH EQUALIZATION

Adjusts the amount of high frequency boost or cut in the channel. When this control is set at 0 (straight up), the channel is “flat” with no boost or cut. The range for this control is +/- 15dB.

### CHANNEL LOW EQUALIZATION

Adjusts the amount of low frequency boost or cut in the channel. When this control is set at 0 (straight up), the channel is “flat” with no boost or cut. The range for this control is +/- 15dB.

### CHANNEL MONITOR CONTROL

This knob controls the amount of signal its respective channel sends to the monitor mix. When the knob is set at 0, the channel’s signal is not sent to the monitor bus. This signal is pre-fader and pre-EQ. In other words, adjustments to the channel Level control will have no effect on the level sent to the monitor mix.

### CHANNEL GAIN AND CLIP INDICATOR

Adjusts the volume of the individual channel. Rotation the knob clockwise increases the respective channel’s contribution to the “Main Out” mix. Adjust this control after the Main or overall volume of the SR6325 is set.

The CLIP LED will illuminate when the channel’s overall signal level is 3dB below clipping. Occasional flickering of the Clip LED is acceptable; however, continuous illumination indicates the need to turn down the Level control.

## Input Channel Connections

### LINE

Plug your instrument in here. This ¼” TRS electronically balanced input jack is suited for use with items having a line level output such as high impedance microphones, keyboards, drum machines, etc. It accepts both balanced and unbalanced cables.

### MIC

Plug your microphone in here. This three pin XLR balanced female connector is intended for input signals from low impedance microphones. Phantom power is applied to the mic inputs via the Phantom Power switch on the rear panel.

Channels 5 and 6 have dual RCA-type inputs. Use these inputs for connecting CD, DVD, computer or cassette players.

## Patch Bay Panel Connections

### MAIN OUT

This ¼”, unbalanced line level output is designed to feed the SR6325’s main bus signal to an external power amplifier or main house mixer.

### MAIN IN

This ¼” unbalanced jack is a direct input to the *built-in* power amplifier. This is a *switching* jack, and when you plug into the MAIN IN, you interrupt the internal flow of signals going from the outputs of the main mixing *bus* to the inputs of the *built-in* power amp. This allows you to insert a signal control device such as a speaker processor, an additional equalizer, or a compressor/ limiter into the Main signal path.

### MON OUT

This ¼”, unbalanced line level output is designed to feed the SR6325’s monitor bus signal to an external power amplifier or monitor system. The five-band Monitor Equalizer is used to EQ the signal present at the Mon. Output.

### REC OUT

These unbalanced phono (RCA) jacks are designed for use with a tape recorder. The signal is “pre-EQ”, meaning that adjustments to the Main Equalizer will not have an effect on the Rec. Out signal. The signal level is fixed, and adjustments to the level are made via the input level controls on your recorder.

### EFFECTS SEND/ FOOTSWITCH

This jack may be used to connect a standard on/off footswitch (Fender part number 099-4055-000) for the internal digital effects processor *or* alternately, as an effects *send* jack. In this latter function, it would send the signal to an external effects unit.

## Master Control Panel

### MAIN EQUALIZER

This nine-band graphic equalizer allows for +/- 12dB of gain for each frequency. The Main Equalizer affects the sound at the powered speaker outputs and the Main output jack.

### MONITOR EQUALIZER

This five-band graphic equalizer allows for +/- 12dB of gain for each frequency. The Monitor Equalizer affects the sound at the Mon. output jack.

### MAIN CONTROL & CLIP LED

The main output volume control of the SR6325. Any adjustments to this control will affect the signal level at the Main Out as well as the volume of the powered speaker outputs. A Clip LED indicates high signal levels within the main mix bus. Reduce the Main control or the channel Gain settings if the Clip LED is more than slightly active.

### MONITOR CONTROL & CLIP LED

The monitor output volume control of the SR6325. Any adjustments to this control will affect the signal level at the Mon. Out. A Clip LED indicates high signal levels within the monitor mix bus. Reduce the Monitor control or the channel monitor settings if the Clip LED is more than slightly active.

### MAIN EFFECTS CONTROL

Adjusts the amount of Digital Effects Processing (DSP) signal level sent to the main mix. Rotating the knob clockwise increases the DSP signal sent to the main mix. When the knob is set to 0, the output is "dry" (no DSP). Adjustments to this knob affects the DSP level present at the Main Out, Rec. Out, and the main PA speakers.

### MONITOR EFFECTS CONTROL

Adjusts the amount of Digital Effects Processing (DSP) signal level sent to the monitor mix. Rotating the knob clockwise increases the DSP signal sent to the monitor mix. When the knob is set to 0, the output is "dry" (no DSP).

### POWER LED & SWITCH

The Power LED will illuminate when the SR6325 is plugged in and turned on. The AC power on/off switch is on the rear panel of the unit.

## PHANTOM POWER

The Phantom power LED indicates phantom power is present on all the XLR microphone inputs to power condenser microphones. Regular dynamic mics may be connected while the Phantom power is activated without encountering problems. The Phantom power switch is located on the rear panel.

## Digital Effects Processor (DSP)

### EFFECTS SELECT CONTROL

The Effects Select control selects from five banks of reverb sounds, delays and other effects. Bank A contains Room reverb settings. Bank B contains Chamber and Plate reverb settings. Bank C contains Hall reverb settings. Bank D contains delay effects. Bank E contains special effects. Rotate the Effects Select control to the basic type of effect you prefer. This is a continuous type of control so you may simply rotate it in either direction to reach the desired setting. Lists of effect banks appear in this manual and on the front panel of the SR6325.

### EFFECTS

#### Bank A Rooms

- 0.8s Warm small room
- 0.8s Bright small room + 60ms doubling delay
- 1.0s Bright small room + 175ms delay
- 1.2s Warm room + med. Chorus
- 1.5s Bright med. room
- 1.5s Bright med. room + 80ms slap delay
- 2.5s Warm large room

#### Bank B Halls

- 1.5s Warm med. hall
- 2.0s Bright med. hall + 50ms doubling delay
- 2.5s Dark med. hall
- 3.0s Warm hall + slow Chorus
- 3.5s Bright med. hall
- 5.0s Dark large hall
- 8.0s Dark huge hall

#### Bank C Chambers and Plates

- 0.5s Bright plate
- 0.8s Bright chamber + 125ms regen delay
- 0.8s Bright plate + 200ms regen delay
- 1.2s Bright chamber
- 1.2s Bright plate
- 2.5s Warm chamber

### Bank D Delay

- 60ms Slap delay
- 100ms Slap delay + med. chorus
- 150ms Medium regen delay
- 200ms Regen delay + slow chorus
- 250ms Low regen delay
- 300ms Medium Regen delay
- 350ms Regen delay + slow chorus

### Bank E Special Effects

- 1.2s decay 200ms gated reverb
- 1.0s delay 200ms reverse reverb
- Dual pitch shift – major 3<sup>rd</sup> and 5<sup>th</sup>
- Medium flanger
- 500ms High regenerated delay

## Rear Panel

### PARALLEL SPEAKER OUTPUTS

The SR6325 power amplifier has two 1/4" jacks for speaker connections. You may connect one 8-Ohm speaker cabinet to *each* jack or a *single* 4 Ohm speaker to either jack. Connecting two 4-Ohm speakers (i.e. a 2-Ohm load), will not harm the SR6325, but the output power will be limited. If the amp overheats, the built-in thermal breaker will shut the amplifier off until it cools down (usually, in a few minutes).

Do not obstruct the flow of air around the heat sink on the rear of the SR6325, as this may cause the power amplifier to overheat.

### POWER SWITCH & FUSE

The power switch and fuse are located on the back panel. If you must replace the fuse, *always* replace it with the same type - a 6.0A 250V slo-blo (T3.0A 250V in 220-240V export models).

## Basic Setup

**Important:** Heed all safety warnings when operating the SR6325.

1. Make sure the power switch is in the OFF position and all volume levels are in the 0 position.
2. Plug the supply cord into a grounded power source with the correct voltage.
3. Connect the speaker cables from the SR6325 Parallel Speaker Output jacks to the input jacks of the speaker cabinets (4 ohm load minimum).
4. Connect the cord(s) from any outboard gear, microphones, or other signal sources to the appropriate input jacks on your SR6325.

5. First, turn all outboard gear, instruments and other equipment ON, then the SR6325.

6. Increase volume controls and effects level controls to their desired levels, listening for feedback or ringing.

7. When shutting down the SR6325, turn OFF the SR6325 first, then any additional outboard gear, instruments or other equipment.

## Specifications

Part Number	071-6325-000	(120v)
	071-6325-030	(240v) Aust
	071-6325-040	(230v) UK
	071-6325-060	(230v) Euro

Power	120V AC, 60 HZ, 550W
	240V AC, 50 HZ, 550W
	230V AC, 50 HZ, 550W

### Pre-Amplifier

Mic Input Impedance	1200 Ohms
Line Input Impedance	10k Ohms (balanced)
RCA Input Impedance	5k Ohms (unbalanced)
Balanced Input Gain	+56dB (max.)
Channel EQ Range	+/- 15dB
Graphic EQ Range	+/- 12dB
Phantom power	+24 V DC
Frequency Response	20Hz to 20kHz (+/-3dB)

### Power Amplifier

Power Output	325W @ 4 ohms
	208W @ 8 ohms
Input Sensitivity	1.4V RMS
Frequency Response	20Hz to 20kHz (+/-1dB)

### Dimensions

### Weight

Specifications subject to change without notice.

A PRODUCT OF:  
**Fender Musical Instruments Corp.**  
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