

Presonus StudioLive 24.4.2 Digital Recording Mixer

- 24 mic/line inputs with high-headroom Class A XMAX mic preamplifiers
- 4 subgroups
- Stereo/mono main out
- 10 auxiliary mixes
- 32-in/26-out FireWire digital recording interface (24-bit/44.1 kHz and 48 kHz)
- Studio One Artist Digital Audio Workstation software for Mac and PC
- Capture 1.1 recording software for Mac and PC
- Direct recording interface compatible with Logic, Nuendo, Cubase, Sonar, Digital Performer, Ableton Live, and more
- 24 channel strips
- Trim control with -20 to +20 dBV line/-15 to +65 dBu mic gain range (80dB!)
- +48V phantom power switch for condenser microphones
- FireWire Input Select
- 100 mm precision faders
- Lighted Solo and Mute buttons
- Access to Fat Channel functions
- 15-LED ladder metering + clip LED
- Analog ¼" insert (rear panel)

4 subgroup buses, each with:

- Solo
- Mute
- Access to Fat Channel functions (except high-pass filter and phase reverse)

10 aux sends, each with:

- Solo
- Pre/post-fader send
- Output-level control
- Access to Fat Channel functions (except phase reverse)
- Mix and Mix/Pan Fat Channel metering
- **Available sources:** 24 input channels, Aux A and B, Tape Input, Talkback

2 internal effects sends, each with:

- Mute
- Pre/post-fader send
- Output-level control
- Access to Fat Channel (except phase reverse)
- Effects-send Select for Fat Channel metering
- Mix button for aux-bus mixing and Fat Channel metering

Master Section:

- Aux Input A and B
- Level Control and Select (Fat Channel metering) switch
- Access to all Fat Channel functions (except phase reverse)

Talkback System:

- Mic Level control
- Output Select (Aux 1-2, 3-6, 7-10, Main)
- Talk button
- Rear-panel XLR mic input with level control and continuous 48V phantom power

2 Track In

- Level control
- Tape Input to Mains button
- FireWire source on/off

Solo Bus

- Cue Mix volume control
- PFL/AFL and Solo In Place (SIP) buttons

Monitor Bus

- Headphone-output level control
- Control-room monitor-level control
- Solo Bus to Monitor button
- Tape Input to Monitor button
- Main L/R FireWire Return to Monitor button
- Main Mix to Monitor button

Fat Channel with rotary encoders:

- Pan with dedicated 15-LED display
- Stereo link for input channels, aux buses, and subgroups
- Phase reverse (main channels only)
- High-pass filter: 6 dB/oct., sweepable from Off to 1 kHz (main channels and aux's only)
- 4-band fully parametric equalizer
 - Low EQ: sweepable from 36 Hz to 465 Hz, ± 15 dB, switchable shelf or peaking
 - Low Mid EQ: sweepable from 90 Hz to 1.2 kHz, ± 15 dB, variable Q 0.1 to 4.0
 - High Mid EQ: sweepable from 380 Hz to 5 kHz, ± 15 dB, variable Q 0.1 to 4.0
 - High EQ: sweepable from 1.4 kHz to 18 kHz, ± 15 dB, switchable shelf or peaking
 - Master EQ On/Off button
- Gate: Threshold: 0 to ∞ dB, Attack: 0.02 to 500 ms, Release: 0.05 to 2 sec, Bandpass Key Filter: 40 Hz to 16 kHz, second-order resonant bandpass filter Q (0.7) with Key Listen function
- Compressor: Threshold, -56 to 0 dB; Ratio 1:1 to 14:1, LIM =:1; Attack 0.2 to 150 ms; Release 2.5 to 900 ms; Makeup Gain 0 to 28 dB; Soft Knee switch; Auto Mode with 10 ms Attack and 150 ms Release
- Limiter: variable Threshold -28 dBfs to 0, :1 Ratio
- Output Assign: 4 subgroups and main with post-EQ/post-dynamics option
- All settings can be copied among channels and saved as user presets.
- 50 channel-strip presets for drums, bass, guitars, keyboards, and vocals

2 internal digital effects-processors, each with 50 customizable reverb and delay presets

- 31-band graphic equalizers
 - Assignable in four stereo pairs
 - Mono or stereo operation
 - Main outputs, aux outputs, subgroup outputs
- Scene Store and Recall
- Global Scene Storage: all current StudioLive settings
 - Up to 80 at a time
- Automatic Global AutoStore
- Individual channel-strip Scene storage
 - Up to 48 at a time, plus?
 - 50 factory presets for instruments and vocal
- Copy and Paste between channels
- Customizable naming (for example, "Saturday Gig" or "Main Worship Service")
- Lockout mode to keep inspired amateurs from changing your settings

Metering/Displays

- 24 x 16- LED Fat Channel matrix:
 - Pre-dynamics/pre-fader input
 - Post-dynamics/post-fader output
 - Gain reduction

- Aux 1-10 and EFX A/B output
- Fader-position recall
- 8 x 15-LED main meter bank
 - Selected channel level
 - Selected channel gain reduction
 - Sub buses 1 to 4
 - Main stereo outputs
- 15-LED horizontal Pan/Balance display
- 64 x 194 LCD matrix
 - Effects parameters
 - Scene creation, storage, and recall System menus
- 2-digit Channel Selected display

Input/Output:

- 24 main inputs, each with XLR mic, 1/4" line, and 1/4" inserts
- 2 1/4" stereo (L/R) aux inputs
- 1 XLR talkback-mic input with phantom power and level control
- Unbalanced RCA stereo (L/R) tape inputs and outputs
- XLR stereo (L/R) main outputs with level control
- 1/4" stereo (L/R) main outputs
- XLR mono output with level control
- 1/4" stereo (L/R) control-room outputs
- 1/4" Headphone output
- 4 1/4" subgroup outputs
- 10 1/4" aux outputs
- 24 pre-insert, balanced direct outputs, Ch. 1-8, 9-16, 17-24 (DB25 sockets) S/PDIF digital out
- 2 FireWire 400 ports

Digitalia:

- High-definition analog-to-digital converters (118 dB dynamic range)
- Unlimited-headroom, 32-bit floating point, digital mixing and effects processing
- Internal sample frequency 44.1 kHz and 48 kHz

Physical:

- Rugged, non-flex steel chassis
- 100 mm long-throw faders
- Military-grade, quick-touch buttons
- BNC 12V lamp socket
- Optional dust covers available