

# PreSonus StudioLive 24 Series III Digital Mixer

## Specifications

### Microphone Preamplifier

- **Input Type:** XLR female, balanced
- **Frequency Response to Main Output:** 20Hz-20kHz, +/-0.5dBu (at unity gain)
- **Input Impedance:** 1 k Ohms
- **THD to Main Output:** Less than 0.005-percent, +4dBu, 20Hz-20kHz, unity gain, unweighted
- **S/N Ratio to Main Output:** 94dB (+4dB, 20kHz BW, unity gain, A-weighted)
- **Common Mode Rejection Ratio:** 65dB (1kHz at unity gain)
- **Gain Control Range:** 0dB to +60dB (+/-1dB)
- **Maximum Input Level:** +12dBu (unity gain)
- **Phantom Power:** 48VDC, switchable per channel (+/-2VDC)

### Line Inputs

- **Type:** 1/4" TRS female, balanced
- **Frequency Response to Main Output:** 20Hz-20kHz, +/-0.5dBu (at unity gain)
- **Input Impedance:** 10 k Ohms
- **THD to Main Output:** Less than 0.005-percent, +4dBu, 20Hz-20kHz, unity gain, unweighted
- **S/N Ratio to Main Output:** 94dB (+4dB, 20kHz BW, unity gain, A-weighted)
- **Maximum Input Level:** +18dBu

### Tape Inputs

- **Type:** RCA female, unbalanced (stereo pair)
- **Maximum Input Level:** +12dBu, +/-0.5dBu

### XLR Outputs

- **Type:** XLR male, balanced
- **Maximum Output Level:** +24dBu, +/-0.5dBu
- **Output Impedance:** 100 Ohms

### Line Outputs

- **Type:** 1/4" TRS female, balanced
- **Maximum Output Level:** +18dBu, +/-0.5dBu
- **Output Impedance:** 100 Ohms

### Tape Outputs

- **Type:** RCA female, unbalanced (stereo pair)
- **Maximum Output Level:** +18dBu, +/-0.5dBu
- **Output Impedance:** 100 Ohms

## Headphone Output

- **Type:** 1/4" TRS female, active stereo
- **Maximum Output:** 100mW/ch. at 60 Ohm load
- **Frequency Response:** 20Hz-20kHz (+/-0.5dB)
- **THD+N:** 0.01-percent, 1kHz, max. gain, 20Hz BW, unweighted
- **S/N Ratio:** 96dB, 1kHz, max. gain, 20Hz BW, unweighted

## System Crosstalk

- **Input to Output:** -90dB (+4dBu, 20Hz-20kHz, unweighted)
- **Adjacent Channels:** -87dB (+4dbU, 20Hz-20kHz, unweighted)

## Digital Audio and Control

- **ADC Dynamic Range:** 115dB (A-weighted, 48kHz)
- **DAC Dynamic Range:** 115dB (A-weighted, 48kHz)
- **USB Recording Port:** USB 2.0, type-B
- **Bluetooth Input:** 4.1, stereo
- **AES/EBU Output:** XLR male
- **Network Control Port:** RJ-45
- **AVB Audio Network Port:** Locking XLR Ethernet
- **Internal Processing:** 32-bit, floating point
- **Sampling Rate:** 48kHz, 44.1kHz
- **A/D/A Bit Depth:** 24
- **Reference Level for 0dBFS:** +18dBu
- **Total System Latency:** 1.9ms (local routing, analog in-analog out, all processing active)

## Clock

- **Jitter:** Less than 20ps RMS (20Hz-20kHz)
- **Jitter Attenuation:** Greater than 60dB (1ns in, 1ps out)

## Power

- **Connector:** IEC
- **Input Voltage Range:** 90-230VAC (+/-10-percent)
- **Power Requirements:** 85W (continuous)

## Physical

- **Height:** 165.36mm / 6.51"
- **Width:** 659.81mm / 25.98"
- **Depth:** 583.84mm / 22.97"
- **Weight:** 13.6kg / 30lbs