

- **Type:** 1/4" TS Female, Unbalanced, Hi-Z
- **Maximum Input Level (min. gain, 1 kHz @ 0.5% THD+N):** +9 dBu ±1.0 dB
- **Gain Control Range:** 43 dB, ±1 dB (+12 to +55 dB)
- **Frequency Response to Analog Outputs:** 20 Hz to 20 kHz, +0.5/-1.5 dB
- **Frequency Response to USB (Direct):** 20 Hz to 20 kHz, +0.5/-1.5 dB
- **Dynamic Range (min. gain, A-wtd):** > 105 dB
- **Dynamic Range (mid. Gain, unwtd):** > 108 dB
- **THD+N (1 kHz, -1 dBFS, A-wtd):** < 0.01%
- **THD+N (1 kHz, -1 dBFS, unwtd):** < 0.01%
- **Input Impedance:** > 1 MOhm

Note: All Channel Inputs sum through Mic preamp

Line Inputs

- **Type:** 1/4" TRS Female, Balanced
- **Maximum Input Level (min. gain, 1 kHz @ 0.5% THD+N):** +26 dBu ±1.0 dB
- **Gain Control Range:** Mono Channels - 40 dB, ±1 dB (-5 to +35 dB); Stereo Channels - 0 dB or +10 dB (+10 dB Boost)
- **Frequency Response to Analog Outputs:** 20 Hz to 20 kHz, +0.5/-1.5 dB
- **Frequency Response to USB (Direct):** 20 Hz to 20 kHz, +0.5/-1.5 dB
- **S/N Ratio to Analog Outputs (+4 dBu):** 85 dB
- **THD+N (1 kHz, -1 dBFS, A-wtd):** < 0.01%
- **Input Impedance (Balanced):** 10 kOhm

Note: All Channel Inputs sum through Mic preamp

Main, Control Room, Monitor, and FX Outputs

- **Type (Main Outputs):** XLR Male, Impedance Balanced
- **Type (Control Room, Monitor, FX Outputs):** 1/4" TRS Female, Balanced
- **Rated Output Level (Main Outputs):** +24 dBu, ±1.0 dB
- **Rated Outputs Level (Control Room, Monitor, FX Outputs):** +18 dBu
- **Frequency Response:** 20 Hz to 20 kHz, +0.5/-1.5 dB
- **Dynamic Range (A-wtd):** > 108 dB
- **THD+N (Bandwidth 20 Hz - 20 kHz, -1 dBFS, unwtd):** < 0.01%
- **Output Impedance:** 100 Ohm

Headphone Output

- **Type:** 1/4" TRS Female, Stereo, Unbalanced
- **Maximum Output Level:** 150 mW/channel @ 60 Ohm
- **Frequency Response:** 20 Hz to 20 kHz, +0.5/-1.5 dB
- **Dynamic Range (A-wtd):** > 103 dB
- **THD+N (Bandwidth 20 Hz - 20 kHz, -1 dBFS, unwtd):** < 0.01%

System Crosstalk

- **Input to Output (Ref = +4dBu, 20 Hz to 20 kHz, unwtd):** -90 dBu
- **Adjacent Channels (Ref = +4 dBu, 20 Hz to 20 kHz, unwtd):** -85 dBu

Signal Level LED

- **Signal:** -30 dBFS (pre-EQ)
- **Clip:** -3.0 dB before clip (pre- or post-EQ)

Channel EQ

- **Low Cut:** 100 Hz, -18 dB/Octave
- **High Shelving:** ±15 dB @ 10 kHz
- **Mid Peaking (Mono Channels):** ±15 dB @ 140 Hz to 3.5 kHz (variable)
- **Mid Peaking (Stereo Channels):** ±15 dB @ 2.5 kHz
- **Mid-Band Q:** Boost: 1.0, Cut: 2.5
- **Low Shelving:** ±15 dB @ 100 Hz

Digital Audio

- **Host Interface:** USB 2.0
- **ADC Dynamic Range (Component):** 114 dB
- **ADC Dynamic Range (Measured: A-wtd, 48 kHz):** 105 dB
- **DAC Dynamic Range (Component):** 114 dB
- **DAC Dynamic Range (Measured: A-wtd, 48 kHz):** 105 dB
- **Signal-to-Noise (a-weighted):** -96 dB
- **Bit Depth:** 24-bit
- **Internally Supported Sample Rates:** 44.1, 48, 88.2, 96 kHz
- **Jitter:** < 80 ps RMS (20 Hz – 20 kHz)
- **Jitter Attenuation:** > 60 dB (1 ns in => 1 ps out)

SD Recorder

- **Supported Media Format:** FAT16 formatted SD card, FAT32 formatted SDHC card

- **Media Storage Capacity:** SD card: 2 GB; SDHC card: 32 GB
- **Recording File Format:** Stereo WAV
- **Playback File Formats:** Stereo WAV, MP3 (96-320 kbs, 32 / 44.1 / 48 kHz)
- **Sampling Rate (WAV):** 44.1 kHz
- **Bit Depth:** Recording - 24-bit; Playback - 16- or 24-bit

Power/Environmental

- **Connector:** IEC
- **Input Voltage Range:** 90 to 240 VAC
- **Recommended Ambient Operating Temperature:** 0 to 40 Celsius / 32 to 104 Fahrenheit

Physical

- **Height:** 3.5" (89 mm)
- **Width (Chassis only):** 11" (284 mm)
- **Depth:** 12.3" (313 mm)
- **Weight:** 7.1 lbs (3.2 kg)