

## Microphone Preamplifier

|  |  |
|--|--|
| Input Type   | XLR Female, balanced                           |
| Frequency Response to Main Output (at unity gain)                    | 20-20 kHz, $\pm 0.5$ dBu                       |
| Input Impedance  | 1 k $\Omega$                                   |
| THD to Main Output   | <0.005%, +4 dBu, 20-20 kHz, unity gain, unwt'd |
| S/N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd) | 94 dB  |
| Common Mode Rejection Ratio (1 kHz at unity gain)                    | 65 dB  |
| Gain Control Range ( $\pm 1$ dB)                                     | 0 dB to +60 dB                                 |
| Maximum Input Level (unity gain)                                     | +12 dBu  |
| Phantom Power ( $\pm 2$ VDC)   | 48 VDC, switchable per channel                 |

## Line Inputs

|  |  |
|--|--|
| Type   | 1/4" TRS Female, balanced                      |
| Frequency Response to Main Output (at unity gain)                    | 20-20 kHz, $\pm 0.5$ dBu                       |
| Input Impedance  | 10 k $\Omega$                                  |
| THD to Main Output   | <0.005%, +4 dBu, 20-20 kHz, unity gain, unwt'd |
| S/N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-wtd) | 94 dB  |
| Maximum Input Level  | +18 dBu  |

## Tape Inputs

|                     |                                      |
|---------------------|--------------------------------------|
| Type                | RCA Female, unbalanced (stereo pair) |
| Maximum Input Level | +12 dBu, $\pm 0.5$ dBu               |

## XLR Outputs

|                      |                        |
|----------------------|------------------------|
| Type                 | XLR Male, balanced     |
| Maximum Output Level | +24 dBu, $\pm 0.5$ dBu |
| Output Impedance     | 100 $\Omega$           |

## Line Outputs

|                      |                           |
|----------------------|---------------------------|
| Type                 | 1/4" TRS Female, balanced |
| Maximum Output Level | +18 dBu, $\pm 0.5$ dBu    |

Output Impedance 100Ω

## Tape Outputs

Type RCA Female, unbalanced (stereo pair)

Maximum Output Level +18 dBu, ±0.5 dBu

Output Impedance 100Ω

## Headphone Output

Type ¼" TRS Female, active stereo

Maximum Output 100 mW/ch. @ 60Ω load

Frequency Response 20 Hz – 20 kHz (± 0.5 dB)

THD+N 0.01%, 1 kHz, max gain, 20 Hz BW, unwt'd

S/N Ratio 96 dB, 1 kHz, max gain, 20 Hz BW, unwt'd

## System Crosstalk

Input to Output -90 dB (Ref = +4 dBu, 20 Hz-20 kHz, unwt'd)

Adjacent Channels -87 dB (Ref = +4 dBu, 20 Hz-20 kHz, unwt'd)

## Digital Audio and Control

ADC Dynamic Range 115 dB (A-wtd, 48 kHz)

DAC Dynamic Range 115 dB (A-wtd, 48 kHz)

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 48 kHz, 44.1 kHz

A/D/A Bit Depth 24

Reference Level for 0 dBFS +18 dBu

Total System Latency 1.9 ms (local routing, analog in-analog out, all processing active)

## Clock

|        |                             |
|--------|-----------------------------|
| Jitter | <20 ps RMS (20 Hz - 20 kHz) |
|--------|-----------------------------|

|                    |                            |
|--------------------|----------------------------|
| Jitter Attenuation | >60 dB (1 ns in, 1 ps out) |
|--------------------|----------------------------|

## Power / Environmental

|           |     |
|-----------|-----|
| Connector | IEC |
|-----------|-----|

|                     |                              |
|---------------------|------------------------------|
| Input-Voltage Range | 90 to 230 VAC ( $\pm 10\%$ ) |
|---------------------|------------------------------|

|                                 |     |
|---------------------------------|-----|
| Power Requirements (continuous) | 85W |
|---------------------------------|-----|

|   |  |
|---|--|
| Recommended Ambient Operating Temperature | 0° to 40° Celsius / 32° to 104° Fahrenheit |
|---|--|

## Physical

|        |                   |
|--------|-------------------|
| Height | 6.51" (165.36 mm) |
|--------|-------------------|

|       |                    |
|-------|--------------------|
| Width | 32.37" (822.21 mm) |
|-------|--------------------|

|       |                    |
|-------|--------------------|
| Depth | 22.97" (583.48 mm) |
|-------|--------------------|

|        |                     |
|--------|---------------------|
| Weight | 37.2 lbs. (16.9 kg) |
|--------|---------------------|

**As a commitment to constant improvement, PreSonus® Audio Electronics, Inc., reserves the right to change any specification stated herein, at any time, without notification.**