

## 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, unweighted
S/N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-weighted)	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, unweighted
S/N Ratio to Main Output (Ref = +4 dB, 20 kHz BW, unity gain, A-weighted)	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

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)
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## Power / Environmental

Connector	IEC
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Input-Voltage Range	90 to 230 VAC ( $\pm 10\%$ )
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Power Requirements (continuous)	85W
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Recommended Ambient Operating Temperature	0° to 40° Celsius / 32° to 104° Fahrenheit
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## Physical

Height	6.51" (165.36 mm)
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Width	25.98" (659.81 mm)
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Depth	22.97" (583.84 mm)
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Weight	30 lbs. (13.6 kg)
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