

Specifications

Audio Performance Specifications

Unless specified otherwise, default test configuration:

Sample Rate: 48kHz, Bandwidth: 20 Hz to 20 kHz

Measurement device output impedance: 40 Ω (20 Ω unbalanced)

Measurement device input impedance: 200 k Ω (100 k Ω unbalanced)

Unless otherwise quoted all figures have a tolerance of ± 0.5 dB or 5%

Microphone Inputs

Frequency Response	± 0.1 dB
Dynamic Range (A-Weighted)	110.5 dB
THD+N (@ 1kHz)	< 0.0015 % @ -8 dBFS, < 0.005 % @ -1 dBFS
EIN (A-Weighted, 150 Ω termination)	-130.5 dBu
Maximum Input Level	+5.5 dBu
Gain Range	62 dB
Input Impedance	1.2 k Ω

Line Inputs

Frequency Response	± 0.05 dB
Dynamic Range (A-Weighted)	110.5 dB
THD+N (@ 1kHz)	< 0.0015 % @ -8 dBFS, < 0.005 % @ -1 dBFS
Maximum Input Level	+24 dBu
Gain Range	62 dB
Input Impedance	10 k Ω

Instrument Inputs

Frequency Response	± 0.05 dB
Dynamic Range (A-Weighted)	110.5 dB
THD+N (@ 1kHz)	< 0.0015 % @ -8 dBFS, < 0.005 % @ -1 dBFS
Maximum Input Level	+15 dBu
Gain Range	62 dB
Input Impedance	1 M Ω

Monitor Outputs (Balanced)

Frequency Response	± 0.05 dB
Dynamic Range (A-Weighted)	111.5 dB
THD+N (@ 1kHz)	< 0.0012% @ -8 dBFS, < 0.002 % @ -1 dBFS
Maximum Output Level	+12.5 dBu
Output Impedance	1 Ω

Headphone Output

Frequency Response	± 0.05 dB
Dynamic Range	110 dB
THD+N (@ 1kHz)	< 0.0015% @ -8 dBFS, < 0.0020% @ -1 dBFS
Maximum Output Level	+10 dBu
Output Impedance	10 Ω

Digital Audio

Supported Sample Rates	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Clock Source	Internal
USB	USB 2.0
Low-Latency Monitor Mix	Input to Output: < 1ms
Roundtrip Latency at 96 kHz	Windows 10, Reaper: < 4ms (Safe Mode Off) Mac OS, Reaper: < 5.2ms

Physical

Analogue Inputs 1&2

Connectors	XLR "Combo" for Microphone/Line/Instrument on rear panel
Input Gain Control	Via front panel
Microphone/Line/Instrument Switching	Via front panel switches
Phantom Power	Via front panel switches
Legacy 4K Analogue Enhancement	Via front panel switches

Analogue Outputs

Connectors	1/4" (6.35 mm) TRS jacks on rear panel
Stereo Headphone Output	1/4" (6.35 mm) TRS jack on rear panel
Monitor Outputs L/R Level Control	Via front panel
Monitor Mix Input - USB Blend	Via front panel
Monitor Mix - Stereo Input	Via front panel
Headphones Level Control	Via front panel

Rear Panel Miscellaneous

USB	1 x USB 2.0, 'C' Type Connector
Kensington Security Slot	1 x K-Slot

Front Panel LEDs

Input Metering	Per Channel - 3 x green, 1 x amber, 1 x red
Legacy 4K Analogue Enhancement	Per Channel - 1 x red
USB Power	1 x green

Weight & Dimensions

Width x Depth x Height	234mm x 157mm x 70mm (including knob heights)
Weight	880g
Box Dimensions	265mm x 198 x 104mm
Boxed Weight	1.18kg

Troubleshooting & FAQs

Frequently Asked Questions and additional support contacts can be found on the Solid State Logic Website at:

www.solidstatellogic.com/support