

APPENDIX - TECHNICAL SPECIFICATIONS

Digital Inputs and Outputs

Connectors: RCA Phono (S/PDIF)
 Formats: S/PDIF (24 bit), EIAJ CP-340, IEC 958
 Output Dither: HPF/TPDF dither 24/20/16/8 bit
 Sample Rates: 44.1 kHz, 48 kHz
 Processing Delay: 0.1 ms @ 48 kHz
 Frequency Response DIO: DC to 23.9 kHz \pm 0.01 dB @ 48 kHz

Analog Inputs

Connectors: 1/4" phone jack, balanced
 Impedance, Bal / Unbal: 21 kOhm / 13 kOhm
 Max. Input Level: +24 dBu
 Min. Input Level for 0 dBFS: 0 dBu
 Sensitivity: @ 12 dB headroom: -12 dBu to +12 dBu
 A to D Conversion: 24 bit, 128 x oversampling bitstream
 A to D Delay: 0.65 ms / 0.70 ms @ 48 kHz / 44.1 kHz
 Dynamic Range: 100 dB typ, 20 Hz - 20 kHz
 THD: typ < 92 dB (0,0025 %) @ 1 kHz
 Frequency Response: +0/-0.1 dB @ 48 kHz, 20 Hz to 20 kHz
 Crosstalk: <-95 dB, 20 Hz to 20 kHz

Analog Outputs

Connectors: 1/4" phone jack, balanced
 Impedance Balanced / Unbalanced: 40 Ohm
 Max. Output Level: +20 dBu (balanced)
 Output Ranges: Balanced: 20/14/8/2 dBu
 Unbalanced: 14/8/2 dBu
 D to A Conversion: 24 bit, 128 x oversampling bitstream
 D to A Delay: 0.63 ms / 0.68 ms @ 48 kHz / 44.1 kHz
 Dynamic Range: 104 dB typ, 20 Hz to 20 kHz
 THD: typ <-94 dB (0.002 %) @ 1 kHz,
 +20 dBu Output
 Frequency Response: +0/-0.5 dB @ 48 kHz, 20 Hz to 20 kHz
 Crosstalk: <-100 dB, 20 Hz to 20 kHz

EMC

Complies with: EN 55103-1 and EN 55103-2
 FCC part 15, Class B, CISPR 22, Class B

Safety

Certified to: IEC 65, EN 60065, UL6500 and CSA E65

Environment

Operating Temperature: 32° F to 122° F (0° C to 50° C)
 Storage Temperature: -22° F to 167° F (-30° C to 70° C)
 Humidity: Max. 90 % non-condensing

Control Interface

MIDI: In/Out/Thru: 5 Pin DIN
 Pedal: 1/4" phone jack

General

Finish: Anodized aluminum front
 Plated and painted steel chassis

Display

Dimensions: 23 character / 280 icon STN-LCD display
 19" x 1.75" x 8.2" (483 x 44 x 195 mm)
 Weight: 4.1 lb. (1.85 kg)
 Mains Voltage: 100 to 240 VAC, 50 to 60 Hz (auto-select)
 Power Consumption: <15 W
 Warranty Parts and labor: 1 year

Due to continuous development these specifications are subject to change without notice.