

APPENDIX - TECHNICAL SPECIFICATIONS

Digital Inputs and Outputs

Connectors:	XLR (AES/EBU), RCA Phono (S/PDIF)
Formats:	AES/EBU (24 bit), S/PDIF (24 bit), EIAJ CP-340, IEC 958
Output Dither:	HPF TPDF dither 8-22 bit
Word Clock Input:	BNC, 75 ohm, 0.6 to 10 Vpp
Sample Rates:	32 kHz, 44.1 kHz, 48 kHz
Processing Delay:	0.5 ms @ 48 kHz
Additional Delay:	0-1000 ms at all sample rates
Frequency Response DIO:	DC to 23.9 kHz \pm 0.01 dB @ 48 kHz

Sample Rate Conversion

Type:	Asynchronous
Dynamic Range:	120 dB
THD+N:	-106 dB 44.1 to 48 kHz @ 1 kHz, -2 dBFS
Input Rate Range:	31 kHz to 49 kHz

Analog Inputs

Connectors:	XLR balanced (pin 2 hot)
Impedance:	20 kohm (balanced)
Max. Input Level:	+28 dBu (balanced)
Min Input Level (for 0 dBFS):	-4 dBu (balanced)
A to D Conversion:	24 bit (1 bit, 128 times oversampling)
A to D Delay:	0.8 ms @ 48 kHz
Dynamic Range:	>103 dB (unweighted), >106 dB(A)
THD:	-95 dB (0.0018 %) @ 1 kHz, -6 dBFS (FS @ +18 dBu)
Frequency Response:	10 Hz to 20 kHz: +0/-0.2 dB
Crosstalk:	<-80 dB, 10 Hz to 20 kHz, typical -100 dB @ 1 kHz

Analog Outputs

Connectors:	XLR balanced (pin 2 hot)
By-pass:	Through relay
Impedance:	40 ohm (balanced)
Max. Output Level:	+26 dBu (balanced)
Full Scale Output Range:	-4 dBu to +26 dBu (balanced)
D to A Conversion:	24 bit (1 bit, 128 times oversampling)
D to A Delay:	0.57 ms @ 48 kHz
Dynamic Range:	>100 dB (unweighted), >104 dB(A)
THD:	-86 dB (0.005 %) @ 1 kHz, -6 dBFS (FS @ +18 dBu)
Frequency Response:	10 Hz to 20 kHz: +0/-0.5 dB
Crosstalk:	<-60 dB, 10 Hz to 20 kHz, typical -90 dB @ 1 kHz

EMC

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

Certified to:	IEC 60065, EN 60065, UL 6500 and CSA E65 CSA FILE #LR108093
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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

PCMCIA Interface

Connector:	PC Card, 68 pin type 1 cards
Standards:	PCMCIA 2.0, JEIDA 4.0
Card Format:	Supports up to 2 MB SRAM

Control Interface

RS232	9 Pin SUB-D
GPIO, Pedal, Fader:	1/4 inch phone jack

General

Finish:	Anodized aluminum face and top plate Plated and painted steel chassis
LCD:	56 x 128 dot graphic LCD-display
Dimensions:	19" x 1.75" x 8.2" (483 x 44 x 208 mm)
Weight:	5.2 lb. (2.35 kg)
Mains Voltage:	100 to 240 VAC, 50 to 60 Hz - (auto-select)
Power Consumption:	<20 W
Backup Battery Life:	>10 years

Warranty

Parts and labor:	1 year
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Due to continuous development these specifications are subject to change without notice.