

16 Specifications

ANALOG I/O

all specifications are subject to change

THD+N at Maximum Volume, 1kHz, 22Hz-22kHz BW	
+20dBu out	<0.0008%
+10dBu out	<0.0008%
0dBu out	<0.002%
Intermodulation Distortion SMTPE/DIN 4:1 50Hz, 7kHz	
@+20dBu out	<0.002%
@ 0dBu out	<0.0015%
Frequency Response	
Balanced Inputs +/-3dB	3Hz to 1.25MHz
Unbalanced Input +/-3dB	3Hz to 275kHz
Dynamic Range	
20-22kHz bandwidth	118dB
20-22kHz bandwidth and A weighting filter	121dB
Output Noise	
20-22kHz bandwidth, at -20dB gain	-99dBu
20-22kHz bandwidth and A weighting filter, at -20dB Gain	-102dBu
Phase Deviation	
20Hz to 20kHz	<10 degrees
10Hz to 100kHz	< 19 degrees
Crosstalk any channel	
100Hz	<104dB
1kHz	<100dB
20kHz	<79dB
Balanced Input CMRR	
60Hz	>70dB
1kHz	>70dB
10kHz	>70dB
Gain Range	
-104dB to +13dB	
Channel Tracking Accuracy	
Any channel	+/-0.1dB
Maximum Output Level	
+26dBu	
Maximum Input Level	
Balanced inputs	+25dBu
Unbalanced inputs	+21dBu
Impedances	
Balanced inputs	88k Ohms
Unbalanced inputs	53k Ohms
Balanced outputs	300 Ohms
Minimum load impedance	300 Ohms
External Talkback Mic Preamp Gain	
+7dB to +70dB in 1dB steps	

continued >

DIGITAL TO ANALOG CONVERTER FIXED OUTPUTS all specifications are subject to change**Output Levels**

User selectable (0dBFS)	-76dBu to +24dBu in 0.5dB steps
Fixed output trim range (0.5dB steps)	

THD+N

1kHz, -1dBFS, (0dBFS = +20dBu), 20-22kHz bandwidth	0.0006%
--	---------

Dynamic Range

20-22kHz bandwidth, 0dBFS = +20dBu (AES17 filter)	117dB
20-22kHz bandwidth, 0dBFS = +20dBu (A-weighted)	119dB

Input Lock Range**AES3/SPDIF**

44.1kHz	+/-400Hz
48kHz	+/-700Hz
88.2kHz	+/-1200Hz
96kHz	+/-1300Hz
176.4kHz	+/-2000Hz
192kHz	+/-2000Hz

ADAT LIGHTPIPE™

44.1kHz	+/-400Hz
48kHz	+/-700Hz
88.2kHz	+/-1200Hz
96kHz	+/-1300Hz

ADAT LIGHTPIPE™

44.1kHz	+/-50Hz
48kHz	+/-70Hz
88.2kHz	+/-50Hz
96kHz	+/-70Hz

s-Lock™ Capture Range

44.1kHz	+/- 6Hz
48 kHz	+/- 7Hz
88.2 kHz	+/- 14Hz
96 kHz	+/- 20Hz
176.4 kHz	+/- 24Hz
192 kHz	+/- 30Hz

Word Clock / Superclock Input

Impedance (switchable)	75 ohm / 1Meg ohm
Minimum Voltage	3V peak to peak
Maximum Voltage	5V peak to peak
Word clock frequencies supported	44.1, 48, 88.2, 96, 176.4, 192kHz
Superclock frequencies supported	N/A
USB Supported Sample Rates	44.1, 48, 88.2, 96, 176.4, 192kHz, DSD64 2.8224MHz, DSD128 5.6448MHz

POWER SUPPLY / GENERAL

Power consumption	60W
Input Voltage	100VAC – 240VAC / 50-60Hz

Dimensions

Main chassis IEC 2U	3.5" x 10.5" x 17"
Remote control unit	8.9" x 5.1" x 2.2"

Weight

Main chassis	7.8lbs
Remote control unit	2.2lbs