SPECIFICATIONS

Operating conditions	
Temperature	Room temperature (from 0° C / 32° F to +50° C / 122° F)
Amplification and power supply	
Amplification class	Class D
Output power EIA	4 x 1000 W RMS (at 8 Ω)
(1% THD, 1 kHz, all channels driven)	4 x 1000 W RMS (at 4 Ω)
Power supply model	Universal Switched Mode Power Supply (SMPS) with Power Factor Correction (PFC)
Power factor	> 0.9 (4 Ω full power)
Mains rating	100 - 240 V~ ±10%, 50-60 Hz
Nominal current requirements	20 A for 100-120 V, 10 A for 200-240 V
Audio specifications	
Frequency response 20 Hz - 20 kHz	± 0.25 dB at 8 Ω
Distortion THD+N (20 Hz - 10 kHz)	< 0.05% , at 8 Ω, 11 dB below rated power
Noise level (20 Hz - 20 kHz, 8 Ω, A-weigthed)	- 71 dBV
Channel separation (at 1 kHz , 8 Ω)	> 80 dB
Latency (for both analog and digital inputs)	Standard operating mode: 3.84 ms
	Low latency operating mode: 0.76 ms
DSP	
Digital Signal Processor (DSP)	SHARC 32 bit, floating point, 96 kHz sampling rate
I/O routing	Flexible 4x4 routing matrix
Per output channel	Built-in EQ station with 8 IIR, 3 FIR EQ filters
	Array morphing (LF contour, zoom factor)
	Air absorption compensation filters
	Internal IIR and FIR EQ algorithms for speaker phase linearization and improved impulse responses
	L-DRIVE protection (excursion, temperature and over-voltage)
Output delay	0 ms to 1000 ms
Transducers protection	L-DRIVE: excursion / temperature / over-voltage
Circuits protection	
Mains and power supply	Over and under voltage / over temperature / overcurrent (inrush current protection)
Power outputs	Over current / short circuit / over temperature
Cooling	Cooling fans with temperature control speed
Inputs	
Analog: 4 balanced analog line inputs with passively connected link	
A/D conversion	4 cascaded 24-bit analog/digital converters (130 dB dynamic range)
Input impedance	22 kΩ (balanced)
Max. input level	22 dBu (balanced, THD 1%)
Digital: 2 AES/EBU inputs (4 channels) with electronically buffered link and failsafe relay	
Standard	AES/EBU (AES3)
Sampling frequency (Fs)	44.1, 48, 64, 88.2, 96, 128, 176.4 or 192 kHz
Word length	16, 18, 20 or 24 bits
Synchronization	Signal resampled to internal clock at 96 kHz
Sampling frequency	96 kHz (SRC referenced to the amplified controller internal clock)
Dynamic range	140 dB
Distortion (THD+N)	< -120 dBfs
Bandpass ripple	± 0.05 dB (20 Hz - 40 kHz, 96 kHz)
Fallback mode	AB to CD: digital to analog / digital to digital
Switchover conditions	No clock, loss of lock, CRC error, bipolar encoding error or data slip
Constant delay	Independent of input Fs
Constant level	Upon user setting of AES/EBU gain, independent of input Fs
Input gain	-12 dB to +12 dB, 0.1 dB steps
AVB inputs	
Stream capacity	One class A stream
Latency	2 ms (typical, depends on talker) format IEC 61883-6 AM824 at 48 kHz or 96 kHz
Channel count	4 channels from one stream that may contain up to 8 channels
Clock	Synchronized on clock of the connected AVB input stream (upsampling at 96 kHz in case of stream at 48 kHz)
Remote control and monitoring	
Network connection	Dual-port Ethernet Gigabit interface, Avnu certified bridge fowarding up to 32 streams
L-Acoustics remote control software	LA Network Manager
Third-party management solutions	QSC® / SNMP / Extron® / Crestron®
Physical data	
Height	2U
Weight	11.3 kg / 24.9 lb
Protection rating	IP3x