

Specifications

XPA U 758

Audio

Voltage gain	20x (26 dB)
CMRR.....	75 dB @ 1 kHz (typical)

Audio Input

Number/signal type	8 balanced/unbalanced
Connectors	(4) 3.5 mm captive screw connector, 5-pole
Impedance	>10 k Ω balanced/unbalanced, DC coupled
Nominal level	+4 dBu, balanced
Maximum level	+20 dBu, balanced
Input sensitivity	
8 ohms.....	+4 dBu (1.23 Vrms)
4 ohms.....	-1 dBu (0.71 Vrms)
Input signal detection threshold.....	-65 dBu \pm 3 dB, balanced

Audio Output

Output Number/Signal Type.....	8 channels, 4 or 8 ohms
Connectors	(4) 5 mm screw lock captive screw connector, 4-pole
Load impedance.....	4 ohms minimum
Amplifier type	Class D
Output power	75 watts per channel, 8 ohms, 1 kHz, 0.1% THD 50 watts per channel, 4 ohms, 1 kHz, 0.1% THD
Frequency response	20 Hz to 20 kHz, \pm 1 dB
THD + Noise	0.1% @ 1 kHz at 3 dB below clipping
S/N	100 dB, 20 Hz - 20 kHz, unweighted
Damping factor	>100 @ 8 ohms

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV \approx 2 dBu

Control/remote

Control port	(1) 3.5 mm captive screw, 2-pole
Pin configurations	
Standby power control (contact closure)	Pin 1 = GND, pin 2 = Standby

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General

Power supply 100 VAC to 240 VAC, 50-60 Hz, internal
Power consumption and thermal dissipation

XPA U 758		115 VAC, 60 Hz				230 VAC, 50 Hz			
		AC Line Current	AC Power Consumed	Thermal Dissipation		AC Line Current	AC Power Consumed	Thermal Dissipation	
Condition		A	W	W	BTU/hr	A	W	W	BTU/hr
Active (1/8 power), all channels driven	8 Ω	0.9	96.7	21.7	74	0.5	95.0	20.0	68
	4 Ω	0.7	72	22	75	0.4	70.7	20.7	71
Quiescent (idle)		0.1	9.6	9.6	33	0.1	9.4	9.4	32
Standby		< 0.1	< 0.1	< 1	< 1	< 3	< 0.1	< 1	< 1

Temperature/humidity

Storage -40 to +158°F (-40 to +70°C) / 10% to 90%, non-condensing
Operating +32 to +122°F (0 to +50°C) / 10% to 90%, non-condensing
Cooling..... Convection, no vents
Protection Clip limiting, thermal, short circuit, DC output
Indication Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or a short circuit.
Over Temp LED indicates when the amplifier exceeds the recommended operating temperature for optimal unit longevity.
Power LED indicates power state, DC output protection (see XPA Ultra Series User Guide for details).
Rack mount Yes, with included mounting brackets or optional rack shelf
Enclosure..... Metal
Enclosure dimensions 1.7" H x 8.7" W x 10.5" D (1U high, half rack wide)
43 mm H x 220 mm W x 267 mm D
Product weight 4.2 lbs (1.9 kg)
Vibration ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance..... CE, CCC, CEC, CISPR 22 Class B, C-tick, c-UL, ENERGY STAR® qualified amplifier, European Code of Conduct, FCC Class B, ICES, KC, RoHS, UL, VCCI Class B
UL rated for use in plenum airspaces:
meets UL 2043 and CAN/ULC_S142:16 for heat and smoke release
meets UL/IEC 6238-1 for Multimedia Equipment
meets UL 62368-1, IEC 62368-1, and BSEN 62368-1 for Multimedia Equipment
Product warranty 3 years parts and labor
Everlast power supply warranty..... 7 years parts and labor

NOTE: All nominal level are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com

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