

Specifications

XPA 2004

Audio

Voltage gain	23x (27 dB)
Crosstalk	75 dB (typical) @ 1 kHz
CMRR.....	75 dB (typical) @ 1 kHz

Audio input

Number/signal type.....	4 balanced/unbalanced
Connectors.....	(4) 3.5 mm captive screw connectors, 3 pole
Impedance.....	>10k ohms unbalanced/balanced, DC coupled
Nominal level.....	+4 dBu (1.23 Vrms), balanced
Maximum level.....	+21 dBu (8.69 Vrms), balanced
Input sensitivity	+4 dBu (1.23 Vrms)
Input signal detection threshold.....	-40 dBu \pm 3 dB, balanced

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

Audio output

Number/signal type.....	4 channels, 4 or 8 ohms; or 2 bridged mono, 8 ohms
Connectors.....	(2) 5 mm screw lock captive screw connectors, 4 pole

NOTE: These connectors accept wires of 22 AWG to 12 AWG.

Load impedance.....	4 ohms (8 ohms if bridged) minimum
Amplifier type	Class D
Output power	100 watts rms per channel, 8 ohms, 1 kHz, 0.05% THD 200 watts rms per channel, 4 ohms, 1 kHz, 0.05% THD 400 watts rms (bridged mono), 8 ohms, 1 kHz, 0.05% THD
Frequency response	20 Hz to 20 kHz, \pm 1 dB
THD + Noise	0.1%, 20 Hz-20 kHz, 8 ohms, 3 dB below clipping
S/N.....	100 dB, 20 Hz - 20 kHz, unweighted
Damping factor	>100 @ 8 ohms

Control/remote – amplifier

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

General

Power Internal
 Input: 100-240 VAC, 50-60 Hz

Power consumption and thermal
 dissipation

		115 VAC, 60Hz				230 VAC, 50Hz			
		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	8Ω	0.8	89.3	39.3	134	0.44	89.9	39.9	136
	4Ω	1.3	146.5	46.5	159	0.68	146.2	46.2	158
Quiescent (idle)		0.3	28.7	28.7	98	0.20	29.0	29.0	99
Standby		<0.1	<1	<1	<3	<0.1	<1	<1	<3

Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Cooling Convection, no vents, with heat sinks on the sides

Protection Clip limiting, thermal, short circuit, DC output

Indication Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or a short circuit

Mounting

Rack mount..... Yes, with included mounting brackets

Enclosure type Metal

Enclosure dimensions 1.7" H x 17.4" W* x 12.0" D (1U high, full rack wide)
 (4.3 cm H x 44.2 cm W* x 30.5 cm D)

*Width excludes rack ears. 19.0" (48.3 cm) W with rack ears.

Product weight 9.2 lbs (4.2 kg)

Vibration ISTA 1A in carton (International Safe Transit Association)

Regulatory compliance

Safety BSMI, CCC, CE, c-UL, GS, PSE, S-Mark, UL
 Meets UL 60065, IEC 60065, and BSEN 60065 for AV equipment.

EMI/EMC..... CE, CISPR 22 Class B, CISPR 24, C-tick, EN55103-1, EN55103-2, FCC Class B,
 ICES, KCC, VCCI Class B

Environmental..... Complies with the appropriate requirements of ENERGY STAR® (ENERGY STAR
 qualified amplifier), EU code of conduct, RoHS, WEEE

Warranty 3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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

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