

Specifications

XPA U 4004 FX

Audio

Voltage gain	
8-ohm mode	65x (36 dB)
4-ohm mode	46x (33 dB)
70 V mode	58x (35 dB)
100 V mode	81x (38 dB)
CMRR.....	75 dB (typical) @ 1 kHz

Audio Input

Number/signal type.....	4 balanced/unbalanced
Connectors.....	(4) 3-pin 3.5 mm captive screw connectors
Impedance	>10k ohms balanced/unbalanced, DC coupled
Nominal level	+4 dBu, balanced
Maximum level	+20 dBu, balanced
Input sensitivity	
8 ohm/4 ohm modes	+4 dBu (1.23 Vrms) for 800 W @ 8/4 ohms +1 dBu (0.87 Vrms) for 400 W @ 8/4 ohms
70 V/100 V modes	+4 dBu (1.23 Vrms)
Input signal detection threshold.....	-65 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, 8 ohm, 4 ohm, 70 V or 100 V
Connectors.....	(4) 2-pole, 5 mm screw-lock captive screw connectors
Load impedance	
8-ohm mode	8 ohms minimum
4-ohm mode	4 ohms minimum
70 V mode	6.25 ohms minimum for 800 W
100 V mode	12.5 ohms minimum for 800 W
Amplifier type	Class D
Output power	400 W per channel (all channels driven), 4 Ω / 8 Ω / 70 V / 100 V, 1 kHz, 0.2% THD 800 W per channel (one channel driven per pair), 4 Ω / 8 Ω / 70 V / 100 V, 1 kHz
Frequency response	20 Hz to 20 kHz, $\pm$ 1 dB, 4 Ω / 8 Ω / 70 V / 100 V
THD + Noise	0.1% @ 1 kHz, 8 ohms, at 3 dB below clipping
S/N.....	100 dB, 20 Hz - 20 kHz, unweighted
High pass filter	
70 V or 100 V modes	80 Hz, 12 dB per octave rolloff (switch selectable)

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

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Control/remote — amplifier

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

General

Power 100 VAC to 240 VAC, 50-60 Hz, internal
 Power Consumption and Thermal Dissipation

XPA U 4004 FX		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	8Ω	3.2	343.1	76.2	260	1.7	335.7	68.8	235
	4Ω	3.3	350.5	88.5	302	1.7	343.9	81.9	280
	70 V	2.6	276.0	52.0	177	1.3	270.9	46.9	160
	100 V	2.4	255.8	43.5	148	1.2	251.3	38.9	133
Quiescent (idle)		0.3	21.4	21.4	73	0.3	19.7	19.7	67
Standby		0.1	<1	<1	<3	0.1	<1	<1	<3

Ambient 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 Fan, front-to-rear, variable speed

Protection Clip limiting, thermal, short circuit, DC output

Indication Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or a short circuit
 Power LED indicates DC output protection (see the *XPA U 4004 FX User Guide* for details)

Mounting

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

Rear rack ear mounting depth.. 15.48" to 26.13" D (front rack rails to rear rack rails)
 (393 mm to 664 mm D)

Enclosure type Metal (aluminum)

Enclosure dimensions 1.74" H x 17.31" W x 16.5" D (1U high, full rack wide)
 (44 mm H x 440 mm W x 419 mm D)
 (Width excludes faceplate and rack ears. Depth excludes rear rack ears.)

Product weight 14 lb (6.4 kg)

Regulatory compliance..... CE, CEC, CISPR 22 Class B, C-Tick, c-UL, European Code of Conduct, FCC Class B, ICES, RoHS, UL, VCCI Class B
 meets UL 62368-1, IEC 62368-1, and EN 62368-1 for AV equipment
 ENERGY STAR® qualified amplifier

Warranty 3 years parts and labor

Everlast power supply warranty..... 7 years parts and labor

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NOTE: All nominal levels 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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