

Circuit Topology

A fully modular audio power amplifier with a high-efficiency switch mode power supply (SMPS), independent, fully discrete, dual differential, high current, short signal path Class A/B amplifier modules, Optimized Class H™ power supply topology, and microprocessor-controlled fault protection.

Power Output

ALL MODELS: Power Output Per Channel

300 watts RMS per channel; 20 Hz - 20 kHz; THD < 0.1%; into 8 Ohms

550 watts RMS per channel; 20 Hz - 20 kHz; THD < 0.2%; into 4 Ohms

800 watts RMS per channel; 20 Hz - 20 kHz; THD < 0.5%; into 2 Ohms

ALL MODELS: FTC Rated Power; 2 Channels Driven; 20 Hz - 20 kHz; THD <0.1%

300 watts RMS per channel; THD < 0.1%; into 8 Ohms (120 VAC line).

490 watts RMS per channel; THD < 0.1%; into 4 Ohms (120 VAC line).

Power Output Per Channel: All Channels Driven; THD <0.1% ; into 8 ohms

XPA two Gen3: 300 watts RMS per channel

XPA three Gen3: 275 watts RMS per channel

XPA four Gen3: 260 watts RMS per channel

XPA five Gen3: 250 watts RMS per channel

XPA six Gen3: 225 watts RMS per channel

XPA seven Gen3: 200 watts RMS per channel

Power Bandwidth (at rated power; 8 Ohm load)

20 Hz to 20 kHz + / - 0.1 dB.

Broad Band Frequency Response

5 Hz to 80 kHz (+ 0 / - 0.15 dB).

THD + noise

< 0.005%; at 200 watts RMS; 1 kHz; 8 Ohms

Signal to Noise Ratio (8 Ohm load)

> 115 dB; ref FTC rated power; unbalanced input (A-weighted).

> 86 dB; ref 1 watt; unbalanced input (A-weighted).

Minimum Recommended Load Impedance

4 Ohms; which equals one 4 Ohm load or two paralleled 8 Ohm loads.

Damping Factor (8 Ohm load)

> 500.

Speaker Output Connections

Audiophile grade, gold plated, 5-way binding posts.

Power Supply

High efficiency, audiophile grade, Switch Mode Power Supply (SMPS).

Input Sensitivity (for rated power; 8 Ohm load)

1.5 V.

Gain

29 dB.

Input Connections

Unbalanced (RCA); balanced (XLR); one each per channel, independently selectable.

Input Impedance

33 kohms (balanced).

23.5 kohms (unbalanced).

Trigger

Trigger Input: 5 - 12 V (AC or DC); <10 mA input current required.

Trigger Output: 12 VDC; can drive any load up to 120 mA.

Power Requirements

Between 100 VAC and 250 VAC @ 50 / 60 Hz (automatically detected).

Front Panel Controls and Indicators

Standby; push button (halo ring changes color to indicate Standby or On).
Status LEDs; one per channel; blue.
Status LEDs change to red to indicate a fault condition.

Rear Panel Controls

AC Power switch; rocker switch (switches AC main power).
Status LEDs switch; disables front panel Status LEDs and dims Standby button halo.
Input selector switches (one per channel); metal toggle switches; select between balanced and unbalanced inputs.
Circuit Breaker; press button to reset circuit breaker.

Protection

The XPA Gen3 is protected against excessive operating temperature, shorted speaker connections, ground faults, and other common fault conditions.

Dimensions:

17" wide x 8" high x 19" deep (unboxed; including feet).
17" wide x 7" high x 19" deep (unboxed; without feet).
24-1/2" wide x 12" high x 24-3/4" deep (boxed).

Weight

XPA two Gen3:	35.5 lbs (unboxed)
XPA three Gen3:	39 lbs (unboxed)
XPA four Gen3:	42.5 lbs (unboxed)
XPA five Gen3:	46 lbs (unboxed)
XPA six Gen3:	49.5 lbs (unboxed)
XPA seven Gen3:	53 lbs (unboxed)

* For boxed weight, add 5 lbs to the above weights