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# ANTHEM AVM60 11.2 CHANNEL DTS:X DOLBY ATMOS AV PROCESSOR / 3 X EMOTIVA XPA-1 GEN2 500W MONO BLOCK / EMOTIVA XPA-9 GEN3 9 5X100W & 4X60W POWER AMPLIFIER COMBO



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BRAND:** Discontinued Products  
**Product Code:** AVPP-ANT-  
AVM60-EMO-3XPA1-XPA-9  
**Call for Price:**

## Description

**ANTHEM AVM60 11.2 CHANNEL DTS:X DOLBY ATMOS AV PROCESSOR / 3 X EMOTIVA XPA-1 GEN2 500W MONO BLOCK / EMOTIVA XPA-9 GEN3 9 5X100W & 4X60W POWER AMPLIFIER COMBO**

**ANTHEM AVM60 11.2 CHANNEL DTS:X DOLBY ATMOS AV PROCESSOR**

## MULTI-CHANNEL FLEXIBILITY

Few A/V Preamplifier-Processors offer the innovation and performance found in the all new AVM 60. Features include Dolby Atmos & DTS:X immersive audio decoding, support for UHD Blu-ray and 4K60 through HDMI 2.0a with HDR. HDCP 2.2 and 18.2 Gbps are also included allowing switching for compatibility with the latest video formats.

Audiophile-friendly features include a toroidal power supply, premium differential-output D/A converters with 32-bit conversion and sampling rate optimized filters for hi-res

sound. Premium A/D converters with 106 dB signal to noise ratio ensure the highest-quality sound when using analog sources.

DTS Play-Fi offers easy-to-use music playback from popular streaming services and locally networked sources, controlled through iOS, Android or PC apps.

## **AVM 60 FEATURES & FUNCTIONS**

- 11.2 Pre-Amplifier Channels
- Dolby Atmos®
- DTS:X™
- ARC™ Anthem Room Correction
- 4 Speaker Profile Memories
- Quad Core Digital Signal Processing
- Two Sub Out Jacks (parallel)
- Premium 32-bit / 768 kHz Differential-Output D/A Converters
- Wireless Network Connection
- DTS Play-Fi® – Local and Streaming
- HDMI & Video
- HDMI 2.0a
- HDCP 2.2
- 4:4:4 Subsampling at 4K60 (18.2 Gbps)
- High Dynamic Range (HDR)
- Dolby Vision™ Compatible
- Hybrid Log Gamma (HLG)
- BT.2020 Color Gamut
- On-Screen Display with 4K 50/60
- 4K 50/60 Switching



## **ADDITIONAL FEATURES & FUNCTIONS**

FM Tuner

Low Standby Mode power consumption

Remote control app for iOS (Apple) and Android (coming soon!)

### **Decoding**

Dolby TrueHD

DTS-HD Master Audio

Listening Modes

AnthemLogic – (11.2 channels)

## **Dolby Surround**

DTS Neo:6 – Cinema, Music

All-Channels – All-Speaker Stereo

## **Inputs**

8 HDMI inputs (7 rear and 1 front-panel input)

Digital Audio Inputs: 2 Coaxial + 3 Optical

5 Stereo Analog RCA Inputs

HDMI On-Screen Display – setup, video adjustments, status, song/artist info from radio stations

MHL Supported Inputs

xvYCC, Adobe RGB, Adobe YCC601, sYCC601, Deep color

2 Parallel Outputs

Consumer Electronic Control (CEC)

Audio Return Channel

Standby Pass-through

## **CUSTOM INSTALLATION**

IR Control

RS-232 Control

IR Input (Configurable)

12V Trigger Output

Control System Drivers

Additional Features

Backlit Remote Control

Sidemount Rack Kit (sold separately)

## **DESIGN DETAILS**



Wireless network connectivity

Easy-to-read intuitive display

Brushed anodized aluminum aesthetic

## **True-Balanced XLR Pre-Out**

Electrical noise in audio is often generated due to the connection with other AV components and due to the connection between the preamplifier-processor and amplifier, as well as from other sources of external noise. To ensure the AVM 60 is not affected by

this distortion, it uses True-Balanced XLR Pre-Out connections to achieve a balanced transmission that is highly noise resistant.



AVM 60 rear view

## Wi-Fi Music Streaming with DTS Play-Fi®

Limitless music. App-controlled convenience. Wireless connectivity. Everyone wants instant access to their digital audio library, anywhere in the home. And Anthem's AVM 60 with DTS Play-Fi® technology is the perfect, high performance means of delivery. Anthem AVM 60 can take full dynamic advantage of the better-than-CD-quality sound quality delivered by the DTS Play-Fi® streaming technology.

## Partnered With the Leader in Wi-Fi Streaming

Partnered with the leader in Wi-Fi streaming, DTS Play-Fi wi-fi streaming technology supports a host of high quality file formats. Controlled directly from your smart device or computer in any operating system, the "Open Ecosystem" of DTS Play-Fi technology makes it easy to stream music throughout your home, and to add more wireless streaming devices on the fly.



**BRING YOUR MOVIES TO LIFE WITH IMMERSIVE SOUND**

## **Dolby Atmos®**

### **What is Dolby Atmos?**

Dolby Atmos® is a revolutionary new audio technology that transports you into extraordinary entertainment experiences.

Fills your room with captivating sound

Sound comes from all directions, including overhead, to fill the room with astonishing clarity, richness, detail, and depth.

Puts sounds into motion all around you

The specific sounds of people, music, and things move all around you in multidimensional space, so you feel like you are inside the action.

Delivers the full impact of the artist's work

Artists have amazing new capabilities to tell their stories, accent their games, or perform their music to achieve the greatest expressive impact.

## **DTS:X**

### **What is DTS:X?**

DTS:X is the next generation audio codec from DTS that leverages object-based audio to enable new audio experiences in immersion and interactivity.

DTS:X places sound where it would occur naturally in space, creating the most lifelike, multi-dimensional audio experience ever. Free from channel restrictions, sound can be placed and moved to where you would hear it in the real world. Because DTS:X doesn't require any specific speaker layout, you can arrange your home theater system however you want it. With DTS:X you're in control of your listening experience. That hard-to-hear line in a movie can be lifted out of the background sounds for a more personal entertainment experience.

### **Works With All DTS Content**

DTS will playback all DTS formats including DTS Digital Surround and DTS-HD Master Audio. DTS:X bitstreams are backward-compatible with older DTS AVRs and sound great.

## **Object-Based Audio**

An audio object is the combination of the waveform where captures the audio, and metadata which represents the spatial location in which the object should be heard. Audio objects free content from specific speaker layouts for optimal listening.

This means the same DTS:X content will sound great whether it's rendered on stereo or a fully immersive surround sound system.

## **Immersive**

DTS:X places sound where it would occur naturally in space, creating the most lifelike, multi-dimensional audio experience ever. Be prepared — this improved immersion and heightened realism makes horror movies scarier, comedies more laugh-out-loud, and car chase scenes even more real.

## **Interactive**

You are in control of your listening experience. That hard-to-hear line in a movie can be improved at a touch — lift the dialogue out from the background sounds when you want clarity and experience a more personal entertainment experience.

## **Backwards Compatible**

Your movie collection gets a new lease on life! Rest assured that our celebrated catalog of DTS-HD Master Audio soundtracks are best heard with DTS:X. Take your favorite Blu-ray, DVD or digital movie to new heights.

## **Flexible**

We made sound move, so your speakers don't have to. Because DTS:X doesn't require any specific speaker layout, you can arrange your home theater system however you want.

## **EMOTIVA XPA-9 GEN3 - 9 CHANNEL POWER AMPLIFIER**

The new XPA-9 is a nine-channel audiophile quality power amplifier. The XPA-9 is populated with five of our High-Powered Single Channel Modules, and two of our Stereo Modules, for a total of five high-powered channels and four lower-powered channels. This combination is ideal for a surround sound system that is used for both music and home theater listening, and includes height speakers.

In a 5.1.4 system, the front speakers and surrounds are powered by high-powered

channels, while the height speakers are driven by the lower powered stereo modules. In a 7.1.2 system, the front speakers and side surrounds are powered by high-powered channels, while the less critical rear surrounds and height speakers are driven by the lower powered stereo modules. Even though the channels differ in terms of maximum power output, they feature perfectly matched electrical characteristics, and the same superb Class A/B sound quality.

**The XPA-9 is perfect for powering:**

A 5.1.4 Dolby Atmos or DTS-X system

A 7.1.2 Dolby Atmos or DTS-X system

A 5.1 channel system with two additional pairs of speakers in other zones

A 7.1 channel system with one additional pair of speakers in another zone

A 7.1 or 7.2 channel system that also includes two pairs of smaller speakers in other zones

The power output capabilities of the various channels on the XPA-9 were optimized to provide the best sound quality in real-world listening conditions; the main channels, which are the most critical for both dynamic music reproduction and crystal clear dialog, receive the most power.

**Configuration:**

5 x High-Powered Single-Channel Modules

2 x Stereo Modules

**Power output (Stereo Modules):**

65 watts/channel RMS into 8 Ohms; two channels driven

100 watts/channel RMS into 4 Ohms; two channels driven

**Sound Quality First**

Designed first and foremost to sound superb in all types of audio systems with all types of music.

Low noise, low distortion, wideband amplifier design with traditional Class A/B output stage ensures smooth, detailed sound, without a trace of strain or harshness.

Totally stable with real world speakers in real systems; not just on a test bench.

## **Modern Efficient Circuit Design**

Optimized Soft-Switch Class H™ power supply topology delivers improved efficiency without compromising audio performance.

Switched Mode Power Supply (SMPS) offers all of the performance of a traditional linear power supply, with improved efficiency and reliability, and reduced overall weight.

## **Quality Construction**

Top quality parts and construction throughout for years of reliable trouble-free service.

Heavy steel 4RU chassis with milled aluminum faceplate offers strength and rugged good looks.

Solid machined gold-plated RCA input connectors provide a reliable connection with a wide variety of audio interconnects.

Fully modular construction allows you to purchase as many channels as you need today, and then add more channels later when and if you need them.

## **Flexible Signal Connections and Power Options**

Gold plated five-way speaker binding posts with clear shields allow you to use a wide range of speaker cables with bare wires, lugs, or banana plugs.

Choice of balanced or unbalanced input for each channel, independently controlled by reliable metal toggle switches.

Remote trigger input and output allow the XPA-9 Gen3 to control and be controlled by other trigger-enabled equipment.

World compliant AC line voltage operation enables the XPA-9 Gen3 to operate on any line voltage between 100 VAC and 250 VAC 50/60Hz.

Standard IEC power inlet fits all standard IEC power cables and most custom audiophile power cables.

## **Protection**

Audiophile-grade fault protection is entirely transparent under normal listening conditions, yet protects the amp and your other equipment from virtually all common faults.

The XPA-9 Gen3 is protected from AC line faults by a rugged resettable rear panel push-button circuit breaker.



### **3 X EMOTIVA XPA-1 GEN2 500W MONOBLOCK**

#### **Emotiva XPA-1 Gen 2 Monoblock Power Amplifier Highlights Summary**

600 watts into 8 ohms, 1,000 watts into 4 ohms

Switchable Class A and A/B modes

Balanced and Unbalanced Connections

Oddly spaced binding posts

No handles or rack mounts provided

The XPA-1 Gen 2 is the ultimate expression of our X-Series Gen 2 power amplifiers, reflected in its differential-all-the-way-through design, superior build quality, and even tiny—but meaningful—touches like machined, gold-plated RCA connectors, a high-quality metal toggle switch for input selection, and an informative metering system that can be dimmed or turned off entirely. Every aspect of the XPA-1 Gen 2 has been carefully considered and engineered to deliver an amazing experience, delivering a upto massive 1000 watts of power.

#### **FEATURES**

Fully discrete, fully balanced, Differential Reference™ design

Massive, high current toroidal power supply, switchable Class A and Class A/B operating modes

Massive, high current toroidal power supply

Advanced microprocessor operating system which protects the amplifier from all fault conditions.

Balanced and unbalanced inputs, Trigger input and output

Precision blue LED power meter with switchable modes, dimmable or defeatable.

Machined, gold plated, unbalanced RCA input .

Heavy duty, gold plated, clear jacketed audiophile speaker binding posts.  
Soft-touch power switch, Solid milled aluminium faceplate.  
Automatic 120/230 AC voltage detection and switching, Laser etched serial number badge



## **SPECIFICATIONS**

### **AVM 60 SPECIFICATIONS**

#### **PREAMPLIFIER (MEASURED AT XLR OUTPUT)**

Maximum Output (<0.1% THD) 8.4 Vrms, subwoofer channel 9.9 Vrms

Frequency Response (2 Vrms output) 10 Hz — 35 kHz (+0, -0.25 dB)

Frequency Response, Analog-Direct (2 Vrms output) 10 Hz — 80 kHz (+0, -0.25 dB)

THD+N (2 Vrms output) -95 dB

S/N Ratio (2 Vrms output, IEC-A filter) 110 dB

XLR Configuration Pin 1: Ground, Pin 2: Positive, Pin 3: Negative

## **POWER CONSUMPTION**

Typical Load 60 W

Standby 0.3 W

Standby IP Control Enabled 4.7 W

Standby HDMI Bypass Enabled 8.2 W

## **DIMENSIONS**

Height 6-1/2" (16.5 cm)

Height with Rackmount Kit 4U

Width 17-1/4" (43.9 cm)

Depth (not including power cord) 14-1/2" (36.4 cm)

Weight 20 lb (9 kg)

## **POWER REQUIREMENT**

120 V version: In countries where the line voltage is 120 V, this product operates from a single phase AC power source that supplies between 108 V and 132 V at a frequency of 60 Hz.

220-240 V version: In countries where the line voltage is 220, 230, or 240 V, this product operates from a single phase AC power source that supplies between 198 V and 264 V at a frequency of 50 Hz.

## **SPECIFICATIONS FOR EMOTIVA XPA-9 GEN 3**

### **Circuit Topology**

The XPA-9 Gen3 is 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.

The XPA-9 is powered by a high efficiency, audiophile grade, Switch Mode Power Supply (SMPS).

### **Audio Specifications**

The XPA-9 Gen3 features five of our High-Powered Single Channel Modules and two of our Stereo Modules.

## **Audio Specifications (High-Powered Single Channel Modules):**

### **Power Output:**

300 watts RMS/channel; 20 Hz – 20 kHz; THD<0.1%; 8 Ohms; one channel driven.  
550 watts RMS/channel; 20 Hz – 20 kHz; THD<0.2%; 4 Ohms; one channel driven.  
300 watts RMS/channel; THD<0.1%; 8 Ohms; two channels driven.  
490 watts RMS/channel; THD<0.1%; 4 Ohms; two channels driven.

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/-2 dB.

THD + noise: < 0.005%; at 100 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 (per channel): 4 Ohms**

(which equals one 4 Ohm load or two paralleled 8 Ohm loads).

Damping Factor (8 Ohm load): > 500.

Input Sensitivity (for rated power; 8 Ohm load): 1.5 V.

Gain: 29 dB.

### **Input Impedance:**

33 kOhms (balanced).  
23.5 kOhms (unbalanced).

## **Audio Specifications (Stereo Modules):**

### **Power Output:**

65 watts RMS/channel; 20 Hz – 20 kHz; THD<0.1%; 8 Ohms; one channel driven.  
100 watts RMS/channel; 20 Hz – 20 kHz; THD<0.2%; 4 Ohms; one channel driven.  
65 watts RMS/channel; THD<0.1%; 8 Ohms; two channels driven.  
100 watts RMS/channel; THD<0.1%; 4 Ohms; two channels driven.

Power Bandwidth (at rated power; 8 Ohm load): 20 Hz to 20 kHz (+ / – 0.1 dB).

Broad Band Frequency Response: 50 Hz to 80 kHz +0/-1.5 dB.

THD + noise: < 0.02%; at 60 watts RMS; 1 kHz; 8 Ohms.

**Signal to Noise Ratio (8 Ohm load):**

> 105 dB; ref FTC rated power; unbalanced input (A-weighted).

> 85 dB; ref 1 watt; unbalanced input (A-weighted).

**Minimum Recommended Load Impedance (per channel): 4 Ohms**

(which equals one 4 Ohm load or two paralleled 8 Ohm loads).

**Damping Factor** (8 Ohm load): > 500.

**Input Sensitivity (for rated power; 8 Ohm load):** 0.8 V (800 mV).

**Gain:** 29 dB.

**Input Impedance:**

33 kOhms (balanced).

23.5 kOhms (unbalanced).

**Input And Output Connections**

Input Connections (High-Powered Single Channel Modules):

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

**Input Connections (Stereo Modules):**

2 Unbalanced (RCA); 2 balanced (XLR); two per channel, independently selectable.

Speaker Output Connections: Audiophile grade, gold plated, 5-way binding posts.

**Trigger:**

Trigger Input: 5 – 12 V (AC or DC); 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.

## **Mechanical**

### **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:**

53 lbs (unboxed).

58 lbs (boxed).