

# Specifications

## MDX-8

<b>Channels / Zones</b>	8 channels/Up to 4 zones
<b>Power Output RMS per Channel (8 Ohm)</b>	60 Watts
<b>Power Output RMS per Channel (4 Ohm)</b>	120 Watts
<b>High Output Mode (Bridged) RMS per Channel (8 Ohm)</b>	200 Watts
<b>Frequency Response</b>	10Hz – 20kHz ±0.5dB
<b>Digital-to-Analog Converter</b>	PCM up to 24-bit/192 kHz
<b>Inputs (analog)</b>	4 x RCA pairs (left/right)
<b>Inputs (digital S/PDIF)</b>	1 x Optical (Toslink)
<b>Inputs (network)</b>	RJ-45 10Base-T/100 Base-TX ethernet port
<b>Input (trigger)</b>	1 x 3.5mm (5-24V DC/AC)
<b>Inputs (other)</b>	Micro-USB (for ARC); RS-232
<b>Outputs (speaker level)</b>	4 x removable Euroblock style (left/right) accommodate wire up to 12AWG
<b>Output (analog, passthrough)</b>	—
<b>Outputs (subwoofer)</b>	4 x RCA (with bass management and room correction)
<b>Outputs (digital matrix)</b>	—
<b>Output (trigger)</b>	1 x 3.5mm (5-24V DC/AC)
<b>Audio In-Out Matrix</b>	Yes
<b>Advanced Load Monitoring</b>	Yes
<b>Controls (via web-based UI)</b>	Bass level: ±10dB for each zone; Treble level: ±10dB for each zone; Level balancing: ±12dB for each zone
<b>Controls (back panel)</b>	Power Mode: Auto, Trigger, External Command; Network Reset (pinhole); Factory Reset (pinhole); Mains Power: On/Off
<b>Room Correction (for each zone)</b>	Anthem Room Correction (ARC®)
<b>Microphone (for room correction)</b>	Included dual input microphone (3.5mm and mini-USB)
<b>Setup</b>	Web-based user interface
<b>IP Control (via IP or RS-232)</b>	Drivers for Control 4, Crestron, Elan, RTI, Savant, URC
<b>AC Voltage</b>	120V±10%~50/60Hz 220-240V±10%~50/60Hz
<b>Rack Mount Ears/Feet</b>	Included
<b>Rack Space (feet removed)</b>	2U
<b>Dimensions (H x W x D, with feet)</b>	3.9" x 17" x 17" (9.9 x 43.2 x 43.2 cm)
<b>Weight</b>	21 lbs. (9.5kg)

## MDX-16

<b>Channels/Up to 8 zones</b>	16 channels/Up to 8 zones
<b>Power Output</b>	60 Watts
<b>Power Output RMS per Channel (4 Ohm)</b>	120 Watts
<b>Power Output RMS per Channel (8 Ohm)</b>	200 Watts
<b>Frequency Response</b>	10Hz – 20kHz ±0.5dB
<b>Digital-to-Analog Converter</b>	PCM up to 24-bit/192 kHz
<b>Inputs (analog)</b>	8 x RCA pairs (left/right)
<b>Inputs (digital S/PDIF)</b>	2 x coaxial; 2 x optical (Toslink)
<b>Inputs (network)</b>	RJ-45 10Base-T/100 Base-TX ethernet port
<b>Input (trigger)</b>	1 x 3.5mm (5-24V DC/AC)
<b>Inputs (other)</b>	Micro-USB (for ARC); RS-232
<b>Outputs (speaker level)</b>	8 x removable Euroblock style (left/right) accommodate wire up to 12AWG
<b>Output (analog, passthrough)</b>	—
<b>Outputs (subwoofer)</b>	8 x RCA (with bass management and room correction)
<b>Outputs (digital matrix)</b>	1 x optical (Toslink)
<b>Output (trigger)</b>	1 x 3.5mm (5-24V DC/AC)
<b>Audio In-Out Matrix</b>	Yes
<b>Advanced Load Monitoring</b>	Yes
<b>Controls (via web-based UI)</b>	Bass level: ±10dB for each zone; Treble level: ±10dB for each zone; Level balancing: ±12dB for each zone
<b>Controls (back panel)</b>	Power Mode: Auto, Trigger, External Command; Network Reset (pinhole); Factory Reset (pinhole); Mains Power: On/Off
<b>Room Correction (for each zone)</b>	Anthem Room Correction (ARC®)
<b>Microphone (for room correction)</b>	Included dual input microphone (3.5mm and mini-USB)
<b>Setup</b>	Web-based user interface
<b>IP Control (via IP or RS-232)</b>	Drivers for Control 4, Crestron, Elan, RTI, Savant, URC
<b>AC Voltage</b>	120V±10%~50/60Hz 220-240V±10%~50/60Hz
<b>Rack Mount Ears/Feet</b>	Included
<b>Rack Space (feet removed)</b>	2U
<b>Dimensions (H x W x D, with feet)</b>	3.9" x 17" x 17" (9.9 x 43.2 x 43.2 cm)
<b>Weight</b>	24 lbs. (10.8kg)

Specifications subject to change without notice.



### One Order. One Shipment. Done.

Put the power of Anthem and Paradigm together to create the BEST experience for your customers.

Anthem's MDX includes custom DSP profiles for Paradigm CI speakers and subwoofers to equalize frequency response. Using Paradigm CI speakers and subwoofers with the Anthem MDX's custom DSP profiles also provides the added advantage of tracking voltage, current, frequency and impedance for output management and integration with Advanced Load Monitor of the channels.

Team Anthem MDX with these Paradigm products:

- CI Home speakers
- CI Pro speakers
- CI Elite speakers
- Garden Oasis
- Stylus Series
- Décor Collection
- In-Wall subwoofers
- Defiance subwoofers
- MilleniaSub subwoofer
- Seismic 110 subwoofer

A  T H E M

POWER

LAN

1

2

3

4

5

6

7

8

MDX-16

# MDX SERIES

THE MOST ADVANCED AND VERSATILE DISTRIBUTION SOLUTION EVER



MDX-8



MDX-16

# Your Multi-Room Music System Solution.

New Anthem MDX Series is the first distribution solution to feature fully powered independent-zone subwoofer connections, as well as ARC® Genesis room correction for each zone.

MDX Series features today's cutting-edge Anthem distribution technology so you can expect smooth, efficient, consistent high power and reliability. MDX Series is engineered to simplify your next custom audio system installation, and to blow your clients away with extreme performance in any setup.

## Web-Based Setup

Nothing could be simpler than on-site configuration and calibration using our intuitive Web-based controls.

The specially designed, adaptive user interface works on any device. Custom configure zones, from input assignments to zone names. Adjust levels (and every aspect of performance) independently.

## Dedicated Subwoofers for Each Zone

Install and control subwoofers independently in separate zones, with dedicated outputs (both low- and high-level, including bridge mode), and zone-independent settings for the new, more advanced Anthem Room Correction (ARC Genesis). Toggle ARC Genesis on/off in each zone to hear the benefits of premium room optimization.

## Zone Configuration Options

Zones can have custom names, multiple inputs, independent playback, and tuning controls. Bridge zones for more power. Enable subwoofer bass management in any zone, instantly set crossover frequency, level, phase, and polarity.

Only the MDX Series gives you this much control over multiple zones, supporting more creative system designs and more thrilling audio performance.

## Digital Inputs, Digital Switching

MDX Series accepts inputs up to 24-bit/192kHz PCM to provide the most flexibility supporting high-resolution source materials.

Fast, efficient Ultra-Class-D is supported by proprietary Advanced Load Monitoring technology, delivering reliable performance under even the most demanding loads. Our high-efficiency design meets and exceeds global power-saving standards.

Smooth, instantaneous digital switching output allows the linking of digital inputs between multiple MDX and analog pass-through connections allow daisy-chaining of multiple MDX units.

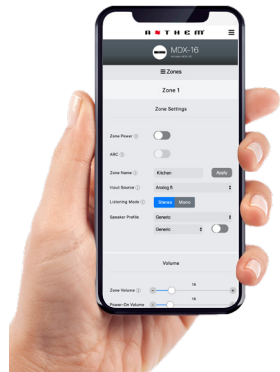
## Matrixing Capabilities

Full digital/analog matrix switching allows you to assign any analog RCA, digital coaxial, or digital optical input to any output, either pre-configured via the web interface or switched in real-time via IP commands.

## Automation Compatibility

Robust IP/RS-232 connection capability ensures compatibility with leading home automation systems, with easily downloaded drivers available for:

- Control 4
- Crestron
- ELAN
- RTI
- Savant
- URC



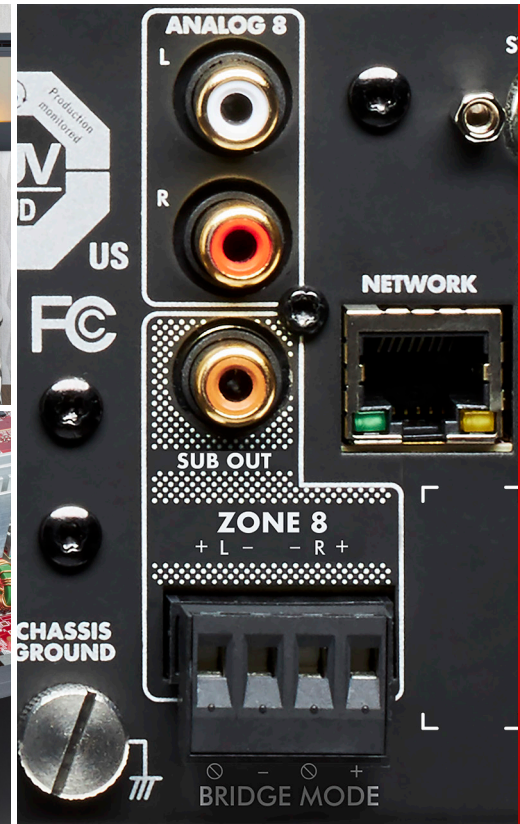
MDX-16 16 channels / up to 8 zones

# Comparison Chart

	MDX-16	MDX-8
<b>ZONES (CHANNELS)</b>	8 (16)	4 (8)
<b>AUDIO INPUTS</b>		
Stereo RCA Analog Input	8	4
Coaxial RCA Digital input	2	—
Toslink (Optical) Digital Input	2	1
<b>AUDIO OUTPUTS</b>		
Mono RCA Analog Sub Output	8	4
Stereo Speaker Level Output	8	4
Watts 8 ohms	60 W	60 W
Watts 4 ohms	120 W	120 W
Stereo RCA Passthrough	2	—
Toslink (Optical) Digital Output	1	—

## CONTROL CONNECTIVITY

Ethernet (RJ-45)	1	1
Micro USB	1	1
Serial (RS-232)	1	1
3.5mm Triggers (In/Out)	2	2



# Multi-zone connections. Separate subwoofers for each zone. Independent room optimization. Easy web-based setup.

## MDX includes these key features and more...

- **60 W (8 Ohms) / 120 W (4 Ohms)** with all channels driven, or bridges to provide 200 W (8 Ohms).
- **8- or 16-channels of Ultra-Class-D**, each supported by Advanced Load Monitoring technology, delivers fast, reliable performance even under the most demanding loads.
- **24-bit/192kHz digital-to-analog converter (DAC)** maintains the integrity of high-resolution source materials.
- **Customized pre-set DSP settings** maximizes performance and provides unparalleled protection when connecting to Paradigm CI speakers and subwoofers.
- **Separate zone-specific bass management and subwoofer integration** via a passive (RCA) or active (powered by another zone in bridge mode) connection.
- **Bridging allows up to 200 W** for high power applications such as subwoofers.
- **Digital switching output allows linking of digital inputs** between multiple MDX units.
- **Analog pass-through connections allow daisy chaining** of multiple MDX units.
- **Speaker terminal block connections accept up to 12 AWG**, ideal for long speaker cable runs.
- **IP/RS232 capability ensures compatibility with leading home automation systems.**
- **ON/OFF switched via IP/RS232, 12 V trigger, or auto sensing.**
- **High-efficiency design** meets global power saving standards.
- **Secure, professional rack-mount arms included.**

# ARC<sup>®</sup> GENESIS

## Anthem Room Correction (ARC<sup>®</sup>)

Transform the sound in any space.

Anthem Room Correction (ARC<sup>®</sup>) technology is the world's most advanced and user-friendly room optimization system. Installers love it because it instantly improves performance in even the most demanding settings. Customers love it because the results are undeniable.

**ARC Genesis** is compatible with Mac OS X and Windows operating systems. Each MDX Distribution Amplifier comes with an ARC microphone. Just download the free ARC Genesis software to your laptop from **AnthemARC.com** and follow the step-by-step directions. The ARC microphone, placed in the listening space, takes precise measurements. Our proprietary ARC software compares the acoustic response of the room to the ideal in-room response, unique to each room. Sophisticated DSP accurately equalizes the response and automatically sets low-frequency crossover curves to account for the room's unique acoustic signature. Achieve the most accurate, naturally blended audio with the touch of a button!

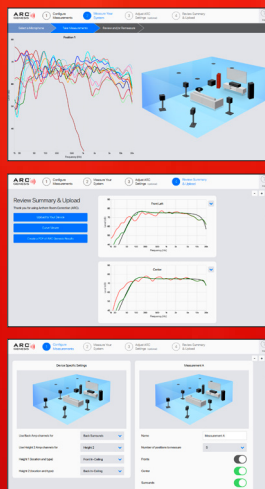


Mac OS X



Windows

ARC<sup>®</sup>  
Microphone  
(included)



ARC<sup>®</sup> Genesis Software  
(free download)