

MRX 710 / 510 / 310

AWARD-WINNING A/V RECEIVERS

ARC1M)))

ANTHEM ROOM CORRECTION SYSTEM

ANTHEM®

“A FANTASTIC-SOUNDING PRODUCT ... WELL WORTHY
OF A SERIOUS AUDITION - DON'T DELAY.”

~ What Hi Fi on the MRX 700





MRX 710 shown



“AMONG THE NUMEROUS ROOM CORRECTION SYSTEMS I HAVE TESTED, ARC CURRENTLY STANDS OUT AS THE BEST.”

~ David Rich, *Secrets of Home Theater & High Fidelity*

WHY DO MRX A/V RECEIVERS OFFER THE BEST VALUE IN THE RECEIVER MARKET?

A receiver is a space-saving, cost-effective alternative to separates (i.e. preamplifier, A/V processor and external power amplifier). It offers everything you need to drive a music and home theater system. One caveat! All A/V receivers are not created equal!

Anthem A/V receivers stand out from the crowd for five important reasons:

- 1 Anthem Room Correction included with every MRX model.
- 2 The robust quality of our amplification.
- 3 Reference quality component parts wrapped in a sleek industrial design.
- 4 A feature set chosen to enhance listening – no frivolous additions.
- 5 Price! The Performance-to-Value relationship inherent in MRX receivers has been winning accolades and awards from day one.





ARC 1M

WHY ANTHEM ROOM CORRECTION IS THE BEST ROOM CORRECTION SYSTEM ON THE MARKET

Even when the finest speakers are perfectly positioned, the room can have a dramatic negative impact on sound quality. Room dimensions, dead spots, archways, even furniture, can turn a room into an additional instrument adding unwanted coloration and resonances to sound.

ARC 1M, featuring the award-winning Anthem Room Correction (ARC) system, was designed exclusively for MRX receivers. In minutes, ARC 1M adjusts for the room's effect on the speakers in a way that mimics our hearing. This way your Anthem gear and Paradigm speakers can do what they do best — allow you to lose yourself in the music or movie.

ARC 1M ...

- Connects quickly via ethernet.
- Offers a high level of digital signal processing that allows for incredibly precise correction curves.
- The option to print 'before and after' room-measurement graphs ... ARC's improvements will be obvious in the 'after' graphs!
- Fully automated or a manual ARC setup? It's up to you!
- Includes calibrated microphone and stand.

How does ARC 1M do what it does?

ARC 1M analyzes each speaker's in-room response then sets output levels, crossover frequencies and correction parameters for each.

ARC 1M applies correction for up to 7 channels plus the subwoofer.

Unlike other room correction systems, ARC allows for multiple microphone measurements. Multiple measurements allow for peaks and nulls to be identified providing far more accurate room correction.

ARCuracy! Your connected PC's 64-bit floating point processor calculates the correction curves to the n'th degree of accuracy.

Separate configurations are available for music, movies, or any other application where more than one configuration is useful.

ARC 1M applies correction to peaks and dips in room response – a far more natural and accurate approach.

Multiple Channels of Clean High Power – 7 channels in MRX 710 and MRX 510; 5 channels in MRX 310 (see *Technical Specs* for power output numbers.)

General

- Video Conversion from Composite Video and Component Video to HDMI
- 7 Rear HDMI inputs and a front-panel input on MRX 710 and MRX 510 with cover door.
- HDMI Audio Return Channel
- Dual HDMI outputs
- Fast HDMI switching
- 1080p24 mode
- 4K Upscaling and Pass-Through
- Dolby Volume
- AM/FM Tuner
- Software Updates via the USB port
- Dual speaker configuration
- Speaker crossover adjustable in 10-Hz increments
- Bi-amp the front L/R speakers with MRX 710 and MRX 510
- Easy-to-read on-screen menus
- High-quality status displays
- 3D support

Decoding

- Dolby TrueHD and Dolby Digital Plus
- DTS-HD Master Audio and High-Resolution Audio

Listening Modes

Anthem's dual processor DSP circuit delivers a full suite of modes:

- AnthemLogic – Cinema, Music
- Dolby Pro Logic IIx – Movie, Music (including Center Width, Dimension and Panorama adjustments)
- DTS Neo: 6 – Cinema, Music
- All-Channels – All-Speaker Stereo

Inputs

- Up to 20 input configurations
- Analog Video Inputs: 1 Composite + 2 Component
- Digital Audio Inputs: 2 Coaxial + 3 Optical
- 5 Stereo Analog RCA Inputs
- Optical, coaxial and analog inputs send 2-channel music to a second audio zone.

Custom Installation

- IP Control: Command set is comprehensive yet easy to work with. Drivers for popular control systems and remote control apps for iOS (Apple) and Android. Similar commands and feedback can also be used through serial control.
- IR Input and Emitter Output
- Trigger Output
- Second Audio Zone
- RS-232 Control

Additional Features

- Backlit Remote Control
- Power consumption in standby: <0.3 W
- Sidemount Rack Kit (*sold separately*)
- Includes 1 remote

Warranty

- 3 years

ANTHEM



MRX 710 shown

Superb Anthem Amplification! MRX receivers benefit from our Advanced Load Monitoring to keep a constant eye on output. Voltage and current are monitored to keep output transistors within their safe operating area. A unique heatsink tunnel helps maintain cool operation. Inside the tunnel, temperature is also monitored. During normal use, the tunnel's temperature is below the threshold at which its fan needs to turn on. In demanding situations, where the temperature rises above an initial threshold, the fan comes on at low speed. If the temperature rises above the second threshold, the fan moves into high speed. Since the fan is designed for quiet running and music will typically be louder, fan noise is not an issue.

This proprietary design allows MRX amplifiers not only to work harder, but work harder for longer periods without shutting down. Only in extreme situations, where speaker impedance is very low and the music level excessive, will the amplifier shut down to protect itself.

MRX TECHNICAL SPECS

PREAMPLIFIER

Maximum Output (<0.1% THD)	3.5 Vrms, subwoofer channel 6.1 Vrms
Frequency Response (2 Vrms output)	8 Hz to 28 kHz (+0, -0.25 dB)
Frequency Response, Analog-Direct Mode (2 Vrms output)	8 Hz to 50 kHz (+0, -0.25 dB)
THD+N (2 Vrms output)	<0.03%
S/N Ratio (2 Vrms output, IEC-A filter)	102 dB
L/R channel separation (analog input, 1 kHz)	96 dB

PREAMPLIFIER AND AMPLIFIER

Frequency Response (full power output)	10 Hz to 30 kHz (+0, -0.5 dB)
THD+N (1W output)	<0.04% (20 Hz to 20 kHz)
S/N Ratio (full power output, IEC-A filter)	101 dB

AMPLIFIER

Maximum continuous output into 8 ohms, 20 Hz to 20 kHz, 0.1% THD:

MRX 710	120 W (2 channels driven), 90 W (5 channels driven)
MRX 510	100 W (2 channels driven), 75 W (5 channels driven)
MRX 310	80 W (2 channels driven), 60 W (5 channels driven)

POWER CONSUMPTION

Maximum	500 W (MRX 710/510), 400 W (MRX 310)
Standby (default ECO mode)	<0.3 W
Standby IP Control enabled	2.0 W (1.8 W if network cable is not connected)
Standby HDMI Bypass enabled	5.6 W
Standby IP Control and Standby HDMI Bypass enabled	6.6 W

DIMENSIONS (all models)

Height	6-1/2" / 16.4 cm including feet,
	4 rack units with special rack mount
Width	17-1/4" / 43.9 cm
Depth	14-5/8" / 37.2 cm

WEIGHT (unpacked)

MRX 710	30.8 lb / 14.0 kg
MRX 510	30.2 lb / 13.7 kg
MRX 310	27.8 lb / 12.6 kg



MRX AWARDS TO DATE ...



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anthemAV.com.

