

ANTHEM

MRX SERIES

A/V RECEIVERS

1120 | 720 | 520

NEW FEATURES & FUNCTIONS FOR THIRD GEN MRX



FREE MRX CONTROL APP

MRX 1120 | 140W+

11.2 PRE-AMPLIFIER & 11 AMPLIFIER CHANNELS

- Dolby Atmos®
- DTS:X™ Ready
- 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)
- BT.2020 Color Gamut
- On-Screen Display with 4K 50/60
- 4K 50/60 Switching

MRX 720 | 140W+

11.2 PRE-AMPLIFIER & 7 AMPLIFIER CHANNELS

- Dolby Atmos®
- DTS:X™ Ready
- 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)
- BT.2020 Color Gamut
- On-Screen Display with 4K 50/60
- 4K 50/60 Switching

MRX 520 | 100W+

5.2 PRE-AMPLIFIER & 5 AMPLIFIER CHANNELS

- ARC™ Anthem Room Correction
- 4 Speaker Profile memories
- Two Sub Out Jacks (parallel)
- Premium 32-bit / 768 kHz Differential-Output D/A Converters

HDMI & VIDEO

- HDMI 2.0a
- HDCP 2.2
- 4:4:4 Subsampling at 4K60 (18.2 Gbps)
- High Dynamic Range (HDR)
- BT.2020 Color Gamut
- On-Screen Display with 4K 50/60
- 4K 50/60 Switching

ARC

- Works on ALL Channels
- Improved Algorithms for seamless integration between speakers and subwoofers



COMPARISON CHART

	MRX 1120	MRX 720	MRX 520	AVM 60
AUDIO FEATURES				
Preamplifier Channels	11.2	11.2	5.2	11.2
Amplifier Channels	11	7	5	
Dolby Atmos	•	•		•
Dolby TrueHD	•	•	•	•
DTS:X Ready	•	•		•
DTS-HD Master Audio	•	•	•	•
Anthem Room Correction	•	•	•	•
Speaker Profile Memories	4	4	4	4
Crossover Settings	40-250 Hz	40-250 Hz	40-250 Hz	40-250 Hz
Digital Signal Processor	Quad-Core 32-bit	Quad-Core 32-bit	Tri-Core 32-bit	Quad-Core 32-bit
Lip-Sync Adjustment Range	300 ms	300 ms	300 ms	300 ms
Dolby Volume	•	•	•	•
DTS Play-Fi® Music Player – Local and Streaming	•	•		•
Spotify Connect	•	•		•
FM Tuner	•	•	•	•
Optical Inputs	3	3	3	3
Coaxial Inputs	2	2	2	2
All Digital Inputs Accept 24-Bit / 192 kHz	•	•	•	•
Stereo Analog Inputs	5	5	5	5
Analog Direct Mode	•	•	•	•
Premium 768 kHz / 32-Bit Differential-Output D/A Converters	•	•	•	•
32-Bit Conversion for all Digital and Analog-DSP Sources	•	•	•	•
Sampling Rate Optimized D/A Filters	•	•	•	•
True Balanced XLR Pre-Out				•
Subwoofer Jacks (parallel)	2	2	2	2
Optical Output (passthrough of coax/optical in)	•	•	•	•
Any Source Downmix to Line-Out	•	•	•	•
Any Source Downmix to Zone 2 (if following Main source)	•	•	•	•
Zone 2 Plays 2-channel Optical/Coaxial Sources	•	•	•	•
Zone 2 Plays Analog Sources	•	•	•	•
LISTENING MODES				
AnthemLogic	11.2 channels	11.2 channels	5.2 channels	11.2 channels
Dolby Surround	•	•		•
Dolby Pro Logic II			•	
DTS Neo:6	•	•	•	•
All Channels	•	•	•	•

COMPARISON CHART

	MRX 1120	MRX 720	MRX 520	AVM 60
HDMI AND VIDEO PROCESSING				
Inputs – Rear	7	7	7	7
Input – Front	•	•		•
MHL – Supported Inputs	1R+1F	1R+1F	1R	1R+1F
HDCP 2.2	•	•	•	•
HDMI 2.0a	•	•	•	•
On-Screen Display with UHD 4K 50/60	•	•	•	•
4:4:4 Chroma Subsampling at 4K60 (18.2 Gbps)	•	•	•	•
High Dynamic Range (HDR)	•	•	•	•
BT.2020 Color	•	•	•	•
xvYCC, Adobe RGB, Adobe YCC601, sYCC601, Deep Color	•	•	•	•
Outputs (parallel)	2	2	2	2
Consumer Electronic Control (CEC)	•	•	•	•
Audio Return Channel	•	•	•	•
Standby Pass-Through	•	•	•	•
NETWORK CONNECTION				
Wireless	•	•		•
Ethernet	•	•	•	•
CUSTOM INSTALLATION				
IP Control	•	•	•	•
RS-232 Control	•	•	•	•
Control System Drivers	•	•	•	•
IR Input	•	•	•	•
12V Trigger Output (configurable)	•	•	•	•
Rackmount Kit (sold separately)	•	•	•	•
ADDITIONAL FEATURES				
Toroidal Transformer	•			•
Advanced Load Monitoring	•	•	•	
Input Configurations	30	30	30	30
Power-On Input Assignment	•	•	•	•
Auto Power Off	•	•	•	•
Eco Mode for Standby	•	•	•	•
Front USB Port for Updates	•	•	•	•
Backlit Remote Control	•	•	•	•
Android Remote Control App	•	•	•	•
iOS Remote Control App	•	•	•	•
Warranty (US/Canada)	3 years	3 years	3 years	3 years

TECHNICAL SPECS

Preamplifier

Maximum Output (<0.1% THD) 4.2 Vrms, subwoofer channel
 5.2 Vrms Frequency Response (2 Vrms output) 10 Hz - 31 kHz (+0, -.25 dB)
 Frequency Response, Analog-Direct (2 Vrms output) 10 Hz - 48 kHz
 (+0, -.25 dB) THD+N (2 Vrms output) -95 dB
 S/N Ratio (2 Vrms output, IEC-A filter) 110 dB

Preamplifier + Amplifier THD (1 W output)

MRX 1120 / 720 -88 dB ch 1-5, -75 dB
 back/height MRX 520 -88 dB

Speaker Impedance

Compatible with 4 Ohms or higher impedance.

Maximum Continuous Output (1% THD)

	MRX 1120	MRX 720	MRX 520
Channels 1-5, Two Driven into 8 Ohms	140 W	140 W	100 W
Channels 1-5, Two Driven into 6 Ohms	170 W	170 W	130 W
Remaining Channels, Two Driven into 8 Ohms	60 W	60 W	n/a
Remaining Channels, Two Driven into 6 Ohms	75 W	75 W	n/a

Power Consumption

	MRX 1120	MRX 720	MRX 520
Typical Load	570 W	485 W	365 W
Standby	0.3 W	0.3 W	0.3 W
Standby IP Control Enabled	4.7 W	4.7 W	2.4 W
Standby HDMI Bypass Enabled	8.2 W	8.2 W	5.8 W

Dimensions (all models)

Height 6-1/2" / 16.5 cm
 Height with Rackmount Kit 4U
 Width 17-1/4" / 43.9 cm
 Depth (not including power cord) 14-3/4" / 37.5 cm

Weight (unpacked)

MRX 1120 32 lb / 14.5 kg
 MRX 720 31 lb / 14 kg
 MRX 520 28.2 lb / 12.8 kg



MRX Generation 2 and 3 Remote

ACCOLADES OF MRX GEN 1 & GEN 2

