



MA4

Technical Specifications



MA4 Streaming Amplifier

The MA4 is a four plus one zone, high-power streaming amplifier that combines a best-in-class matrix preamp, native high-resolution streaming, and efficient Class-D amplification in a compact 2RU chassis. Delivering over 1.4kW of continuous amplification, the MA4 provides headroom and control for large speakers and invisibles. Each zone features a dedicated audiophile grade pre-amp with an ESS Sabre DACs and per-zone DSP for precise tuning. The MA4 integrates natively with leading control systems for direct browsing and login to Apple Music, Spotify, TIDAL, SiriusXM, and more—plus AirPlay 2 built-in for instant guest access. Stack multiple units to 96 zones under a single driver. Engineered for 24/7 residential and commercial duty.

Connectivity

Audio Outputs (5 Zones Total)	(4) Stereo Amplified Zone Outputs, (1) Pre-Amplified Output with Analog RCA
Audio Inputs (4 Total)	(2) Analog RCA, (2) Digital Coax
Analog Output	Unbalanced, stereo RCA type, line level audio output
COAX	Stereo Coaxial, RCA type, SPDIF (PCM)
USB	USB 3.0 Type A
LAN Connection	(1) 8-wire RJ45 with 2 LED indicators; 10/100/1000 Mbps/sec BaseT Ethernet port; green LED indicates link status; yellow LED indicates Ethernet activity
eAudioCast	Provides audio-over-Ethernet technology when paired with other Autonomic devices

Environmental

Temperature	32°F to 104°F (0°C to 40°C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	297 BTU/hr

Audio Specifications

Output Power (8 Ω)	120 Watts per Channel
Output Power (4 Ω)	180 Watts per Channel
Output Power (8 Ω Bridged)	350 Watts per Channel
Power Ratings	All Channels Driven, Continuous Output > 30sec without throttling
THD+N	0.02%, UL Rated 1/8th Power, 4 Ohm
S/N Ratio (Line Input to Amplified Output)	100dB (IHA-A Rated, 0.75Vrms Input)
Frequency Response	20Hz - 20kHz
Dynamic Range	100dB
Output Impedance (Speaker-Level)	20 m Ω below 1kHz, 150 m Ω @20kHz
Output Impedance (Line-Level)	300 Ω
Digital-to-Analog Conversion	ESS Sabre ES9033Q, 32 Bit 768kHz
Analog-to-Digital Conversion	ESS Sabre ES9820Q, 32 Bit 768kHz
Supported Sample Rates	44.1/48/96/192 kHz at 16-bit or 24-bit resolution
Streaming Services	Deezer, iHeartRadio, Murfie, Napster, PANDORA® Internet Radio, SiriusXM Internet Radio, Slacker Radio, Spotify, TIDAL, TuneIn, SoundMachine, Qobuz

M-SERIES



Native Streaming + AirPlay 2

Direct browsing and playback of Apple Music, Spotify, TIDAL, SiriusXM, Deezer, Qobuz, TuneIn, and Sound-Machine inside supported control systems. AirPlay 2 enables instant casting; Apple Homekit enables native scene/control integration.

Per-Zone DSP Engine

Seven-band parametric EQ with multiple filter types, tone control, crossovers, gain, delay, volume normalization, speaker profiles, and ducking per zone—tuned from the control system or front panel.

Integrated Matrix + Dedicated Preamps

Route any source to any zone with a built-in 8×8 matrix. Each output path includes an ESS Sabre DAC and dedicated audiophile-grade preamp feeding the onboard power stage for low noise, wide dynamic range, and minimal crosstalk.

Scalable System Architecture

Network-stackable to large deployments—aggregate up to 96 zones managed by a single driver. Open API and comprehensive drivers streamline programming for Crestron, Control4, Josh.ai, RTI, URC, and Nice/

Installer I/O and Events

Opto-isolated trigger inputs and 12V trigger outputs support doorbells, paging, and amplifier control with ducking and logic rules. Triggers are fully addressable over IP or usable as GPIO expansion.

I/O and Control Interfaces

Trigger Outputs	(6) Trigger Outputs (12v 100mA)
Trigger Inputs	(4) Trigger Opto-Isolated Inputs (5-24v AC/DC)
Other I/O	Reset Button, Power Button
Control System Protocols	IP, 2-way documented API
Control Interfaces	Control4, Crestron, Crestron Home, Elan, Josh.ai, Lutron, RTI, URC, AMX, WebUI, Tunebridge App for iOS and Android devices

Power

Power Connection	110V-240V IEC 60320-1C13/C14 power cord (included)
Main Power Consumption	235W @ 1/8 Power, All Channels Driven, 4 ohms
Standby Power	6W
Power Cord (USA/Canada)	IEC C13 to NEMA 5-15, 3 Wire, 14Ga, 6ft

Miscellaneous

Height	3.46" (88mm) 2U
Height (with feet)	3.88" (99mm)
Width	17.2" (437mm)
Depth	14.0" (254mm)
Unit Weight	14.3 lbs (6.5 kg)
Shipping Weight	22.5 lbs (10.2 kg)
Mounting	Four (4) screw on feet included; two rack ears included
Warranty	2-year limited warranty

Questions? Contact Autonomic at **+1 914-598-1647** or email us at **sales@autonomic-controls.com**

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