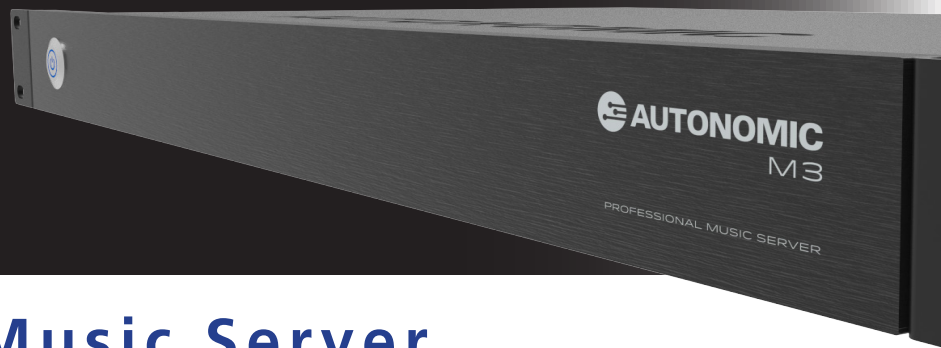




M3

Technical Specifications



M3 Professional Music Server

The M3 is a high-fidelity three-source music server that offers access to an extensive library of music options, enabling users to play any song from their favorite online services and personal libraries. It integrates seamlessly with popular home automation systems, providing direct access to streaming music accounts, custom playlists, and favorites. Designed with industrial-grade components for ultimate reliability, the M3 is the ideal choice for high-end residential and commercial installations. Elevate your audio experience with the M3—where luxury meets performance.

Storage

Internal Storage	Optional 1TB M.2 NVMe Drive
External Storage	Expandable via USB external hard drives or network shared storage

Connectivity

Audio Outputs (3 Total)	(Analog RCA: Output A, B, C) (Digital Coax: Output A, B, C) (Optical: Output A, B, C) (HDMI: Assignable) (eAudioCast: Outputs A, B, C)
Audio Inputs (2 Total)	(1) Analog RCA (1) Digital Coax
Analog Output	Unbalanced, stereo RCA type, line level audio output
COAX	Stereo Coaxial, RCA type, SPDIF (PCM)
Optical	Toslink, PCM
USB	(1) USB 3.x
HDMI	Stereo HDMI, Type A, PCM
LAN Connection	(1) 8-wire RJ45 with 2 LED indicators; 10/100/1000 Mb/s BaseT Ethernet port; green LED indicates link status; yellow LED indicates Ethernet activity

Audio Specifications

THD+N	0.005%, 1kHz, 2VRMS Line Out
S/N Ratio, Line Input to Line Output	106db, 20 - 20kHz, A-weighted
S/N Ratio, Digital Input to Line Output	106db, 20 - 20kHz, A-weighted
Dynamic Range	100dB
Max Line-In Level	4.0V RMS
Max Line-Out Level	2.2V RMS
Input Impedance	10Kohm
Output Impedance	300 Ohm
Digital-to-Analog Conversion:	ESS Sabre
Analog-to-Digital Conversion:	ESS Sabre
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
Audio Formats:	.aif, .aifc, .aiff, .alac, .au, .cda, .flac, .m4a, .mp2, .mp3, .mpa, .rmi, .snd, .wav, .wma, .wpl
Local Synchronization:	Mirage Media Sync for both Mac and Windows: download from web-based configuration under Firmware tab

M-SERIES



State-of-the-Art DSP Engine

The M3 features a 7 Band Parametric EQ featuring 5+ filter types, tone control, crossover, gain, delay, volume normalization, speaker profiles, mixing, ducking, and more.

Native Support of Apple® AirPlay 2 and HomeKit



Integrated Matrix and Dedicated Pre-Amp

Each output allows for the distribution of any audio stream or input directly to 70v amplifiers for commercial environments, or multichannel amplifiers.

Enhanced System Flexibility

Analog and digital audio inputs allow for integration of various audio sources and provides more options for customization in complex installations without the need for external hardware.

Trigger Inputs/Outputs

For doorbell chimes and amplifier control, opto-Isolated to reject unwanted noise from external sources. The triggers are fully addressable via Control Systems or IP Protocol for use as GPIO Expansion.

I/O and Control Interfaces

Trigger Outputs	(3) 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, KNX, Leviton, Lutron, ON Controls, RTI, Savant, URC, AMX, Command Fusion, Windows/Mac, on-screen display (OSD), mobile devices and computers, Mirage Media Controller for iOS and/ or Android devices

Power

Power Connection	110V-240V IEC 60320-1C13/C14 power cord (included)
Main Power Consumption	30W MAX @ 100–240 V AC, 50–60Hz
Standby Power	0.3W
Power Cord (USA/Canada)	IEC C13 to NEMA 5-15, 3 Wire, 18Ga, 6ft

Environmental

Temperature	32°F to 104°F (0°C to 40°C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	102 BTU/hr (Max)

Miscellaneous

Height	1.74" (44mm) 1RU
Height (with feet)	2.25" (57mm)
Width	17.2" (437mm)
Depth	10.0" (254mm)
Unit Weight	5 lbs (2.3 kg)
Shipping Weight	~10lbs (4.6kg)
Mounting	Four (4) screw on feet included; two rack ears included, can be wall mounted vertically by rotating rack ears
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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