AUTONOMIC

MIRAGE MMS·1E

Specifications

The MMS-1e Mirage Music Streamer is a solid-state, single-source music player complete with the features and functionality expected from the Mirage family of products. Seamlessly integrate the MMS-1e into any of the popular automation systems, and deliver playback of pure, 24-bit/192kHz high-resolution audio, in addition to the most popular online music streaming services. Mirrored physical outputs allow for the utmost flexibility. Paired with the eSeries Digital Amplifier, the MMS-1e supports up to two discrete streams of audio-over-Ethernet using eAudioCast™ technology.

Hi·Res AUDIO

eSERIES

MIRAGE
AUDIO SYSTEM

High Resolution Output

As with the premium music servers in the lineup, the MMS-1e supports full High Resolution Audio (HRA) at 24bit/192kHz.

Flexible Output Options

The MMS-1e supports one analog output through its on board HRA 24bit/192kHz DAC, plus mirrored High Resolution PCM digital outputs in both Coax and HDMI formats.

eAudioCast™

The MMS-1e will support one physical stream mirrored to Analog, PCM, and HDMI outputs. Our proprietary eAudioCast™ technology enables two network streams of audio to be played back on the MMS-1e versus usage of the single stream available with use of one of the physical outputs. eAudioCast™ network streams are only available for use when the MMS-1e is paired with a complementing eSeries Mirage Digital Amplifier.

All Solid State

All eSeries products are completely solid state. Autonomic has eliminated all moving parts from its entire lineup with solid state storage and re-engineered passive cooling systems, which translates to years of trouble free and silent performance, lower power consumption, and snappier responsiveness.

Wi-Fi Support

The MMS-1e supports both wired and bi-directional Wi-Fi connections for convenient placement.

SPECIFICATIONS

Streaming Services	Deezer, iHeartRadio, Murfie, Napster, PANDORA® Internet Radio, SiriusXM Internet Radio, Slacker Radio, Spotify, TIDAL, TuneIn,
Audio Formats	.aif, .aifc, .aiff, .au, .cda, .flac, .m4a, .m4p, .mp2, .mp3, .mpa, .rmi, .snd, .wav, .wma, .wpl
Internal Storage	32 GB Flash Memory; holds approximately 10,000 songs
External Storage	Expandable via USB external hard drives or network shared storage
Pre-Amp Audio Output	(1) analog, unbalanced, stereo RCA type, line level audio output
Digital Audio Output	(1) Stereo Coaxial, RCA type, PCM (1) Stereo USB for connection to external DAC PCM (1) Stereo HDMI PCM
Digital-to-Analog Conversion	High-resolution 24bit/192kHz
Supported Sample Rates	44.1/48/96/192 kHz at 16-bit or 24-bit resolution
S/N Ratio	96db, A weighted
Video Outputs for OSD	HDMI (Max Resolution of 1920 X 1080)
Local Synchronization	Mirage Media Sync for both Mac and Windows: download from web-based configuration under Firmware tab
Cloud-based Synchronization	Google Drive Cloud Sync (fees for online storage may apply)
Control System Protocols	IP, 2-way documented API
Control Interfaces	AMX, Command Fusion, Control4, Crestron, Elan, KNX, Leviton, Lutron, ON Controls, RTI, Savant, URC, Windows/Mac, on-screen display (OSD), mobile devices and computers, Mirage Media Controller for Apple iPad, iPhone/iPod Touch, Android and Amazon Kindle
LAN Connection	(1) 8-wire RJ45 with 2 LED indicators; 10/100/1000 Mbits/sec BaseT Ethernet port; green LED indicates link status; yellow LED indicates Ethernet activity
Wireless LAN	802.11 a/b/g/n/ac; Dual-band 2.4 GHz/5GHz
USB	(2) USB 2.0
Power Connection	100V–240V AC ~ 50-60Hz: External DC 5 V @ 2A (included)
Main Power Consumption	10W @ 100–240 V AC, 50–60Hz
Environmental Requirements	Humidity: 10% to 90% RH (non-condensing) Temperature: -13°F to 185°F (-25°C to 85°C)
Dimensions	with feet: 6" x 3.9" x 1.4"; with brackets: 6.5" x 3.9" x 1.3" (with feet: 153mm x 100mm x 36mm; with brackets: 165mm x 100mm x 33mm)
Net Weight	1 lb (0.5 kg)
Mounting	(4) feet included; (2) brackets for structured wire cabinet / wall mount included
Warranty	2-year limited warranty

INTEGRATE ANY STREAMING SERVICE WITH YOUR CONTROL SYSTEM

MirageAudioSystem.com

AUTONOMIC

MIRAGE M·120E

Specifications

The M-120e Mirage Digital Amplifier is part of the eSeries audio ecosystem, which can support up to 96 rooms of high resolution audio utilizing distributed eSeries components connected to the home's standard ethernet network.

Each M-120e provides four rooms of audio at 30 Watts per zone and its small form factor offers maximum installation flexibility with options for mounting in a structured wiring enclosure or on a wall. There are connections for two local source inputs, four powered speaker outs, and mirrored digital PCM outputs for zones 1 & 2. The amplifier can output four discrete programs sourced from its local inputs, sources connected to remote M-120e amplifiers, or eSeries Media Streamers such as the MMS-1e.

Wired with a single Cat5 Ethernet connection, the M-120e can be placed anywhere in the home or accessed wirelessly when used with the MMS-1e Mirage Music Streamer.

eSERIES

MIRAGE
AUDIO SYSTEM

High-resolution Support

All eSeries amplifiers support high-resolution audio (HRA), at 24bit/192kHz using proprietary eAudioCast™ audio over Ethernet.

Installation Flexibility

The small form factor, eAudioCast technology, and the included mounting accessories afford installers with maximum flexibility in placement. The M-120e can be mounted on a wall near zone speakers, or in a structured wire cabinet. Distributed eSeries components stream audio and control signals through the home network using a single Cat-5e connection to a router or switch.

Virtually Unlimited Zones

Multiple eSeries amplifiers can be utilized in any combination on a single ethernet network to support up to 96 zones of high-resolution audio with network-wide grouping capabilities.

Many Control Options

The entire system can be controlled using the Mirage Media Controller application for iOS and Android devices, and eSeries audio systems are fully compatible with the rich library of Autonomic Control System modules for all major automation platforms.

SPECIFICATIONS

Rated Output Power All Channels	15W per channel, 8Ω loads
Total Harmonic Distortion (THD)	<0.1% (10 Watt, 8Ω load)
Speaker Impedance (Z1-Z4)	4Ω–8Ω
Input Sensitivity and Impedance (S1)	0.72V / 22KΩ
Balanced Audio	0.72V / 680Ω
Frequency Response	20Hz–20kHz
Tone Control	±12dB, 100Hz (Bass) ±12dB ,10kHz (Treble)
Signal-to-Noise Ratio	96dB (IHA-A, 1V input / unbalanced)
Source Inputs	(2) Analog source inputs, (2) Digital PCM outputs for zones 1 & 2 Impedance: 75Ω 0.5V RMS, (4) powered speaker channels
LAN Connection	(1) 8-wire RJ45 with 2 LED indicators; 10/100 Mbits/sec BaseT Ethernet port; green LED indicated link status; yellow LED indicated Ethernet activity
Keypad Controllers	(2) **KP-6 In-wall keypad controller ports**
Infrared Out	(1) IR transmit for control of third-party devices; 3.5mm jack current limited to 25mA
Zones	(4) Zones, expandable to 96 zones with additional supported Autonomic amplifiers
Audio Adjustments	Per-zone adjustments for Bass, Treble, Balance, Loudness, Audio Delay (up to 600ms), Zone Linking
Power Supply	100–240V AC Ext DC 15V @ 5.3
Power Consumption	79.5W
Environmental Requirements	Humidity: 10% to 90% RH (non-condensing) Temperature: -13˚F to 185˚F (-25˚C to 85˚C)
Dimensions	6.5" x 5.8" x 1.4" (165mm x 147mm x 35mm)
Net Weight	2 lbs (0.85 kg)
Mounting	(4) brackets for structured wire cabinet / wall mount
Warranty	2-year limited warranty

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