

Competitive Analysis: Streaming Music Players

Brand	SnapAV Autonomic			Native Control System Competitive Music Players						Competitive Music Players																				
	Autonomic			Control4		Crestron		Savant		Sonos		Denon Heos		CasaTunes				Fusion Research				Lode Audio		Rusound		NuVo				
	Models	MMS-5e	MMS-3e	MMA-1e	EA-1	EA-3	EA-5	NSP-1	SMS-2A	Music on the Host	Connect	ConnectAmp	Link	Amp	Drive	CT-1	CT-2	CT-3	CT-4	Ovation Solo	Duet	ONS-3	Ovation Play-Fi	LA1	LA4	XZone4	Xsource	P100	P200	P3100
Features																														
Number of Outputs / Players Why is this important? The number of outputs informs an integrator of how many independent and simultaneous streams of audio can be played back on the unit in question.	5	3	1																											
Type of Outputs Why is this important? A variety in inputs allows integrators to match a player to their application of choice. Autonomic amplifiers provide a mix of analog or digital inputs. eSeries amplifiers can receive eAudioCast streams, removing the need for physical audio connections from player to amplifier meaning less wiring for installers and the option to decentralize all components which are being transferred over the home network and a standard Cat5e Ethernet connection.	Player 1: Analog, COAX, USB, HDMI, eAudioCast (when paired with Autonomic eSeries amplifier) Player 2: Analog, COAX, eAudioCast Player 3: Analog, COAX, eAudioCast Player 4: Analog, COAX, eAudioCast Player 5: eAudioCast	Player 1: Analog, COAX, USB, HDMI, eAudioCast (when paired with Autonomic eSeries amplifier) Player 2: Analog, COAX, eAudioCast Player 3: eAudioCast	Player 1: Analog, COAX, USB, HDMI, eAudioCast (when paired with Autonomic eSeries amplifier) Player 2: eAudioCast																											
In-house development of Operating System Why is this important? This means the operating system is designed and developed by the manufacturer and not based on third-party open source software. Furthermore it means that business relationships are in place with partners such as the streaming service providers. This is important because if they are making changes to their technology, partnered manufacturers are informed and prepared to accommodate the changes. I.e., SiriusXM changed API. Open sourced platforms lost SiriusXM without notification when they flipped the switch. Autonomic was aware of the changes a year in advance and was able to adjust their software to accommodate.	Y	Y	Y																											
Local Onboard Storage Why is this important? This allows local music to be stored on the HDD or SSD of the unit, meaning any device feeding content to the unit does not need to be powered on or can leave the house and the content is still available for playback.	Y (254 GB SSD)	Y (120 GB SSD)	Y (32 GB SSD)																											
iTunes Integration Why is this important? Using the Mirage Media Synchronization software, iTunes libraries inclusive of playlists can be copied and stored on the internal solid-state drive in the Autonomic music player. This software is constantly running in the background on the users computer(s) feeding iTunes to the Autonomic music streamer. Anytime the computer is on and connected to the network, the software will run and update the locally stored library accordingly with any changes detected. This also means that if a laptop is carrying content over to the player, it can leave the house and the iTunes content is still available for playback.	Y (Mirage Media Synchronization Software)	Y (Mirage Media Synchronization Software)	Y (Mirage Media Synchronization Software)																											
Gracenote Why is this important? Metadata cleanser that cleans up local library information and also presents high resolution album art for local content and streaming services.	Y	Y	Y																											
Expandable Storage Capabilities Why is this important? If the onboard storage is not enough space for local content additional storage can be added with the option to mount or import the content from the drive. You can also point an Autonomic player to any NAS drive on the network and playback content.	Y	Y	Y																											
High Resolution Audio Playback Support Why is this important? When the iPod was introduced, it was all about quantity and convenience. History is proving that people are starting to care about sound quality again, which can be seen in the online music streaming services race to support and provide content of the highest and best resolution. As bandwidth continues to improve, larger audio files are becoming easier and more convenient to access. Many manufacturers are watching this emerging trend and supporting the ability to playback these hi-res files via their hardware. Some manufacturers, such as Sonos can only pass through CD quality 16-bit/44.1kHz audio files which means if a customer has a library full of content with bit and sampling rates higher than this the hardware may not be able to output the content, or even worse it won't sound good. As the technology continues to advance, manufacturers that have built-in support of hi-res are better positioned. It adds to the future proof story since technology moves so quickly. Verified high-resolution audio players have access to the universally accepted Hi-Res logo.	Y (Up to 24-bit/192kHz)	Y (Up to 24-bit/192kHz)	Y (Up to 24-bit/192kHz)																											
Built-In Online Music Streaming Services																														
Pandora	Y (Supports free and/or paid accounts and can support multiple simultaneous streams of one account)	Y (Supports free and/or paid accounts and can support multiple simultaneous streams of one account)	Y (Supports free and/or paid accounts and can support multiple simultaneous streams of one account)																											
Spotify	Y	Y	Y																											
SiriusXM	Y	Y	Y																											
SiriusXM for business	Y	Y	Y																											
TuneIn Radio	Y	Y	Y																											
iHeartRadio	Y	Y	Y																											
Add-on URLs for radio stations not in TuneIn or iHeartRadio database	Y	Y	Y																											
Slacker Radio	Y	Y	Y																											
Tidal	Y	Y	Y																											
Deezer	Y	Y	Y																											
Murfi	Y	Y	Y																											
Napster (formerly known as Rhapsody)	Y	Y	Y																											
Apple Music	-	-	-																											
Amazon Music	-	-	-																											
Google Play	N	N	N																											
Soundcloud	N	N	N																											
AirPlay	Y (Supported on all outputs)	Y (Supported on all outputs)	Y (Supported on all outputs)																											
TuneBridger(R) or a form of Universal Search	Y	Y	Y																											
Playlists	Y	Y	Y																											
Mixed Content Playlists Why is this important? Mixed content playlists allows users to build playlists from their local libraries in addition to any virtual library based streaming service.	Y	Y	Y																											
Synchronization of local or iTunes playlists	Y	Y	Y																											
Favorites	Y	Y	Y																											
Multi-Location Synchronization Why is this important? This feature enables synchronization of local content using Google Drive across multiple locations. (i.e., primary residence and vacation home, or retail HQ to retail stores)	Y	Y	Y																											
Control System Protocols																														
IP Control Protocol	Y	Y	Y																											
RS-232	Y	Y	Y																											
2-way documented API	Y	Y	Y																											
Control Interfaces Supported																														
AMX	Y	Y	Y																											
Command Fusion	Y	Y	Y																											
Control4	Y	Y	Y																											
Crestron	Y	Y	Y																											
Elan	Y	Y	Y																											
Niles	Y	Y	Y																											
Spekercraft	Y	Y	Y																											
Key Digital Compass Control	Y	Y	Y																											
KNX	Y	Y	Y																											
Leviton	Y	Y	Y																											
Lutron	Y	Y	Y																											
HomeWorks QS	Y	Y	Y																											
Radio Ra2	Y	Y	Y																											
Caseta	-	-	-																											
On Controls	Y	Y	Y																											
RTI	Y	Y	Y																											
Savant	Y	Y	Y																											
URC	Y	Y	Y																											
Other options																														
Rack Mountable	Y (accessories included)	Y (accessories included)	Y (accessories included for standard wall box mount option or accessory custom rack shelf available from Middle Atlantic)																											
MSRP	\$4,250.00	\$1,995.00	\$995.00																											
Warranty	2-year limited	2-year limited	2-year limited																											
Remote Management	Y	Y	Y																											

(Y) Indicates Coming Soon