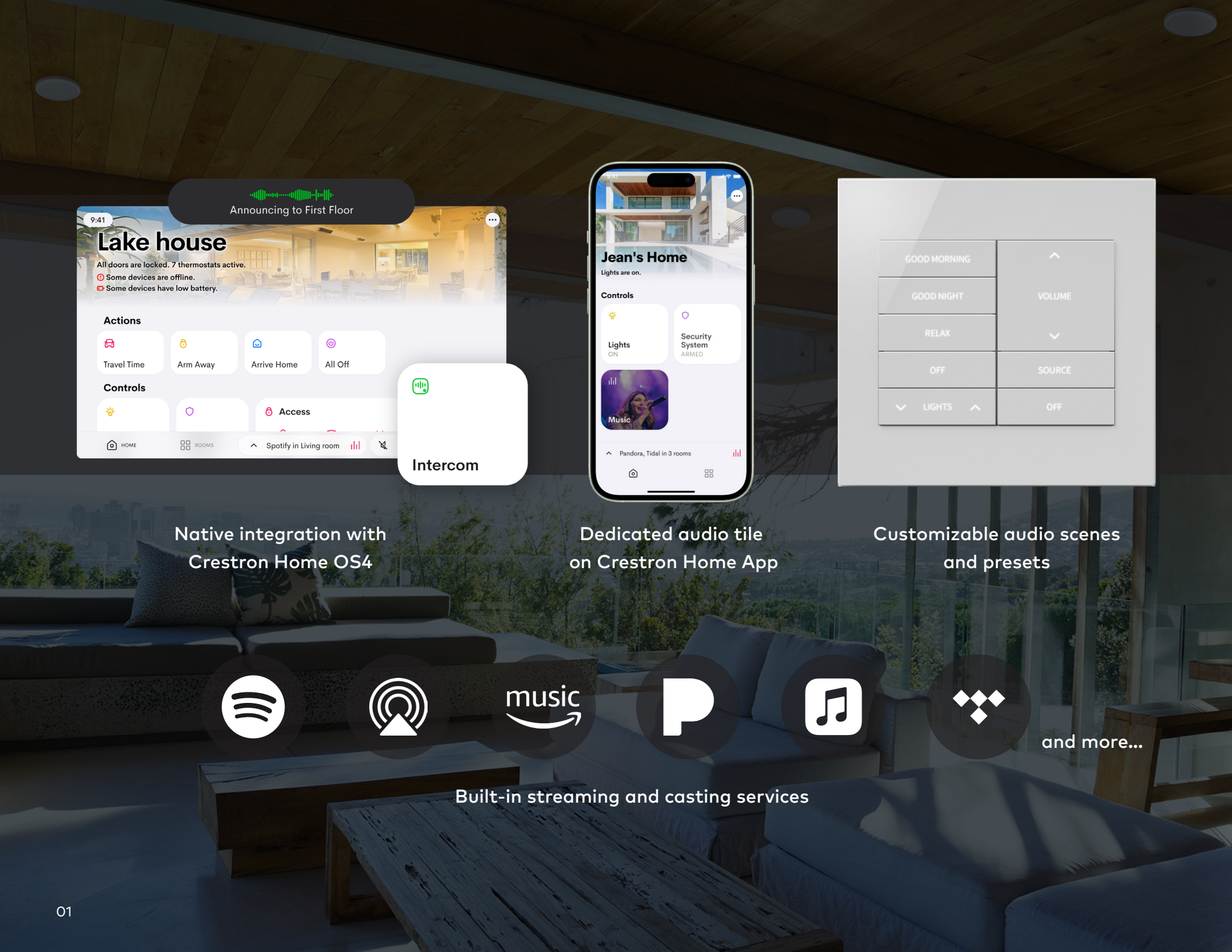


DMNAX[®]

AUDIO-OVER-IP

2025 LOOKBOOK



Whole Home DM NAX Ecosystem

EFFORTLESS WHOLE-HOME AUDIO TAILORED TO YOUR LIFE—FROM STREAMING TO SCENES TO SMART CONTROL

Native integration with Crestron Home® OS 4

Seamless control of audio zones, sources, and scenes from touchscreens, mobile apps, and voice assistants – including a **dedicated audio tile** on the Crestron Home OS home screen

Built-in streaming and casting services

Spotify Connect™, Airplay® 2, Amazon Music™, Pandora®, Apple Music®, TIDAL®, SiriusXM®, Deezer®, Qobuz®, SOUNDMACHINE®, and Internet Radio for instant access throughout the home

Scalable Zone Architecture with Matrix Routing

Up to **256 discrete audio zones** via DM NAX Audio IP-based architecture

Built-in matrix routing enables flexible audio routing and source sharing across zones

Integrated DSP for Advanced Audio Optimization

DM NAX AoIP features built-in **digital signal processing**, including parametric EQ, loudness contouring, and dynamic range control per zone

Precise tuning for room acoustics, speaker characteristics, and listening preferences- Including advanced room measurement and correction with HouseCurve

Certified Audio Profiles for Precision Tuning

Supports **manufacturer certified audio profiles** that automatically applies **optimized EQ, crossover, and dynamics** for specific speaker models, saving setup time and ensuring consistent sound

Priority-Based Audio Interrupts

DM NAX supports **audio ducking for intercom, gate, and doorbell events**, automatically attenuating background music to ensure critical notifications are clearly heard. **Built-in chime tones** simplify integration of doorbell alerts without requiring external audio sources or processors

Encoder/Decoder Functionality

Sends and receives AoIP streams across DM NAX AoIP, **Dante® AoIP**, and **AES67** networks, including seamless integration with DM NVX® AV over IP

Customizable audio scenes and presets

Tailor **audio environments** for entertaining, relaxing, or waking up—automatically **triggered by schedules** or events from **intuitive UI's** like keypads

What's in the space...

Learn more about each solution on the following pages

Amplifiers & Audio Routing

PAGES 05-06 →

Expand audio coverage and routing flexibility with scalable amplifiers and AoP processors for every zone.

Audio Interfaces & Inputs

PAGE 07-08 →

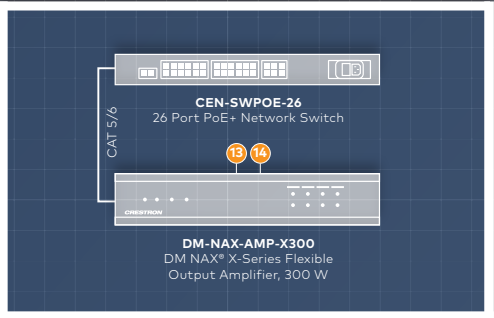
Integrate Bluetooth, USB, legacy, and pro-grade audio sources into the DM NAX ecosystem for seamless connectivity across the home.

FLOOR PLAN KEY

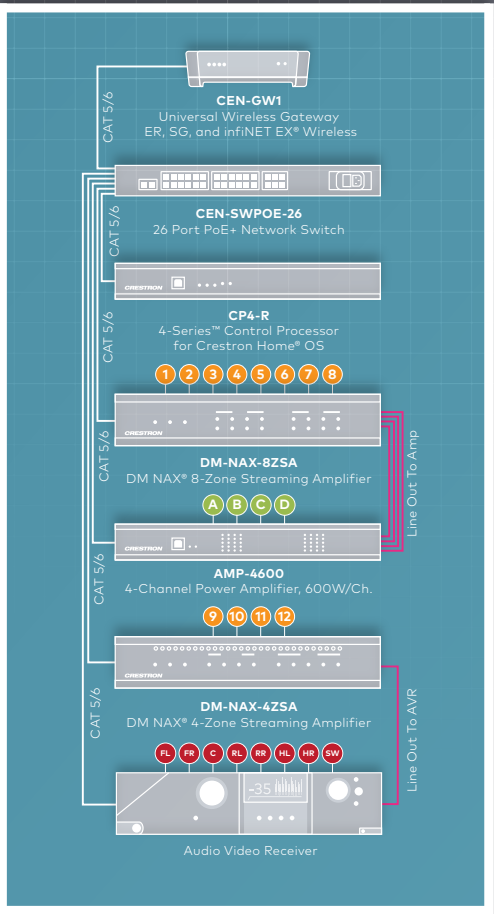
- AUDIO ZONES
- LANDSCAPE AUDIO ZONES
- AVR AUDIO ZONE
- CONTROL DEVICES
- NAX EDGE DEVICES



Pool House Equipment



Main House Equipment



Amplifiers & Audio Routing

DM-NAX-8ZSA

8 Amplified Stereo Zones (16 Channels): Ideal for large multi-room Estates with high output needs

150W @ 8 Ω / 300W @ 4 Ω per Channel, Bridgeable to 500W

Dedicated Streaming Service Player per Zone: Each zone has its own independent stream, allowing users to play different content in every room simultaneously

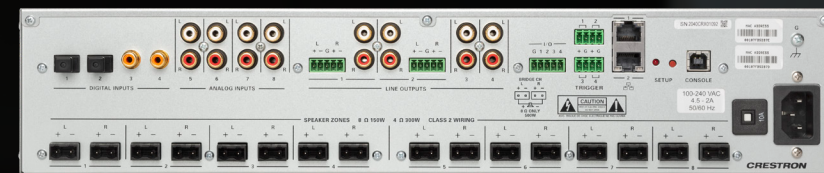
Output Bussing and Zone Grouping: Enables dynamic or permanent zone linking for synchronized playback

Line-level outputs enable integration with a modular amplifier to drive outdoor zones, supporting synchronized audio across indoor and outdoor areas for unified multi-zone playback

DM-NAX-4ZSA-50

Four zones of amplified audio with line-level outputs

4 amplified zones + 1 line-level output: Compact solution for smaller installations or zone expansions like integrating a media room with an AVR via preamp level audio



FLAGSHIP DM NAX STREAMING AMPLIFIER
DM-NAX-8ZSA
DM NAX® 8-Zone Streaming Amplifier

DM-NAX-AMP-X300

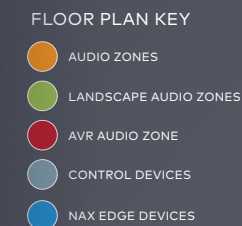
Configurable output: 4x75W, 2x150W, or 1x300W bridged: Versatile power options for Lo-Z ($4/8\Omega$) or Hi-Z (70V/100V) systems

Compact half-rack form factor: Ideal for tight spaces or modular installations

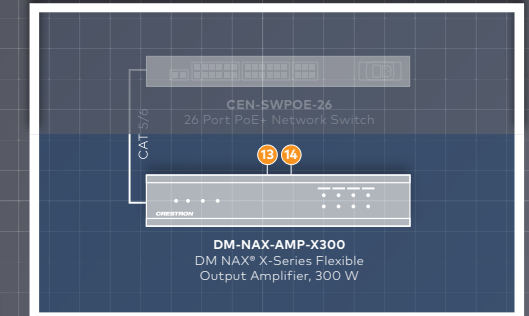
Single-cable setup: Network and PoE++

Requires only a network connection with PoE++ for both power and data, simplifying installation and reducing cabling complexity)

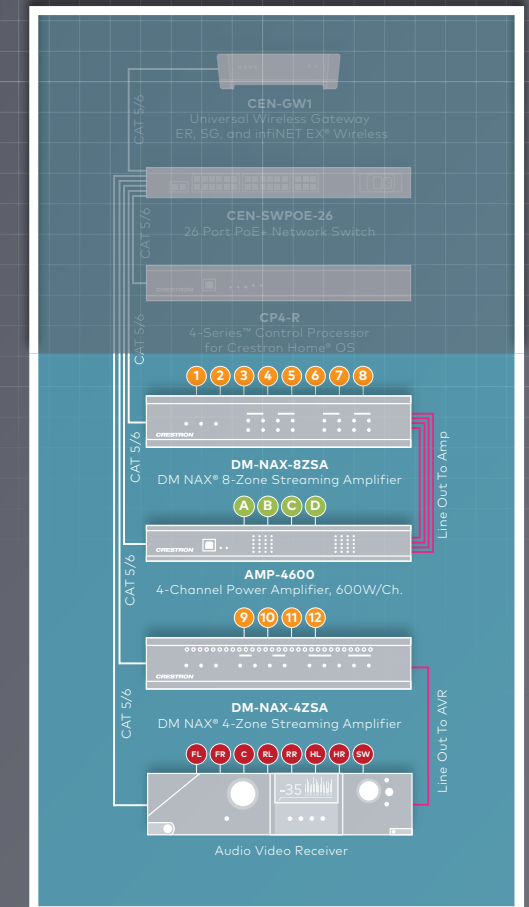
Seamless DM NAX ecosystem integration – Instantly receives audio-over-IP streams from DM NAX devices via Dante®, AES67, or local inputs, making it a plug-and-play solution for expanding zones or powering remote areas



Pool House Equipment



Main House Equipment



Audio Interfaces & Inputs

Integrates Bluetooth, USB, legacy, and pro-grade audio sources into the DM NAX ecoosystem for seamless connectivity across the home

DM-NAX-BTIO

Bring Bluetooth® Communications to DM NAX AoIP for Guest and Equipment Connectivity

Enables **Bluetooth audio** ingress into the DM NAX network via AoIP, allowing **wireless source integration** in zones like home gyms and entertainment areas—**ideal for devices without network or AirPlay® 2 support**

DM-NAX-AUD-USB

USB Audio Bridge for Professional and Personal Use

Enables **bidirectional USB audio** to and from a PC into/from the DM NAX AoIP network, supporting real-time routing of system audio—including conferencing and media playback—to distributed zones within Crestron Home®

DM-NAX-AUD-IO

Legacy Audio Integration for Entertainment Spaces

Provides analog audio ingress to the DM NAX AoIP network via **balanced and unbalanced line-level inputs (RCA and 3.5mm)**. It enables legacy source integration—such as turntables or karaoke systems—into distributed audio zones with full Crestron Home® OS control

DM-NAX-2XLRI-1G

Pro-Grade Audio Input for Outdoor Events and Live Performances

Converts dual balanced XLR inputs to AoIP with mic/line-level support, phantom power, and onboard DSP for enhanced audio quality. Mixes mic and AoIP signals into a unified stream and includes local analog output for legacy systems or wallplates. Fully compatible with Crestron Home® for distributed control and playback

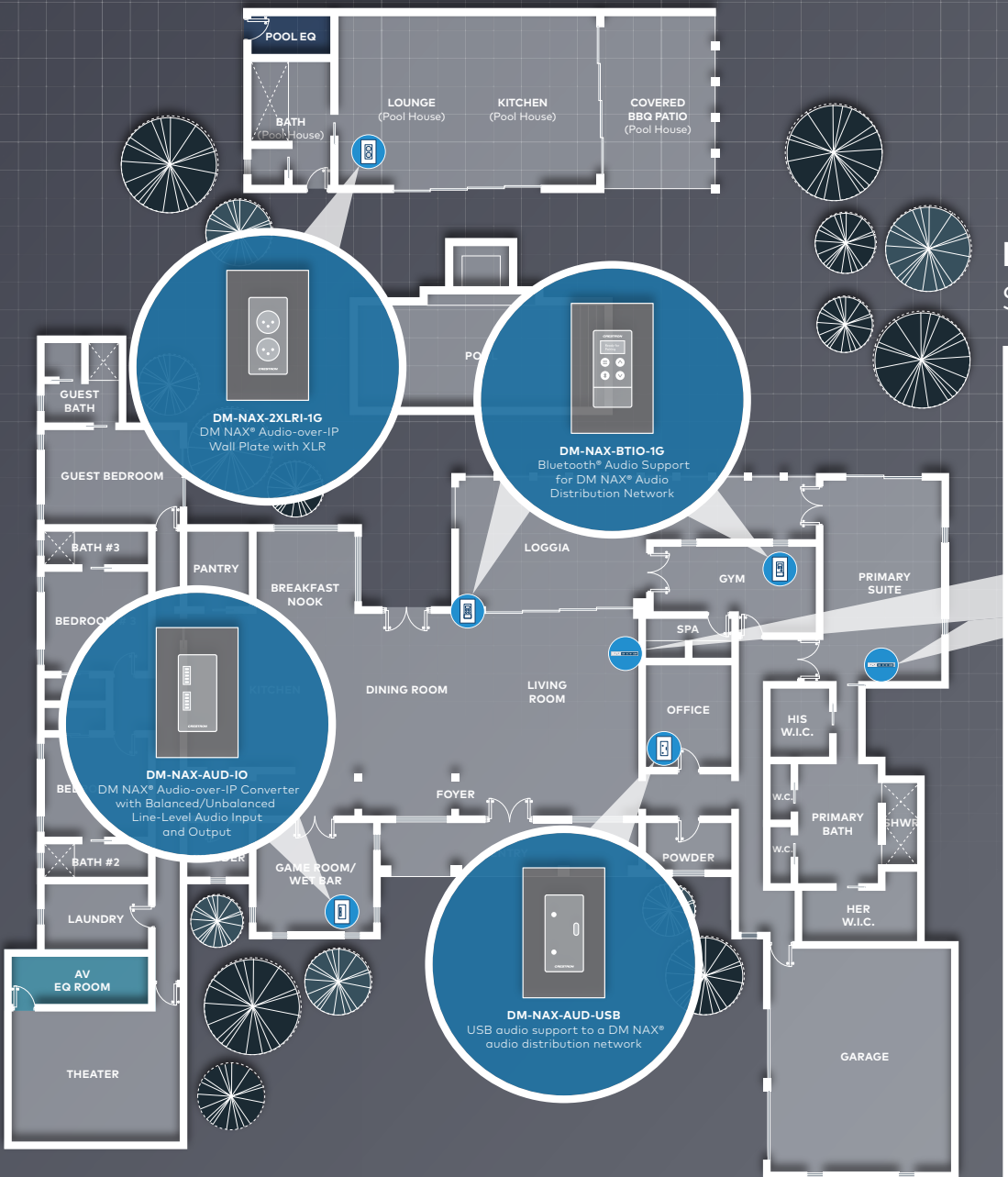
DM-NAX-XSP

AoIP Audio Return Processor for Smart Displays

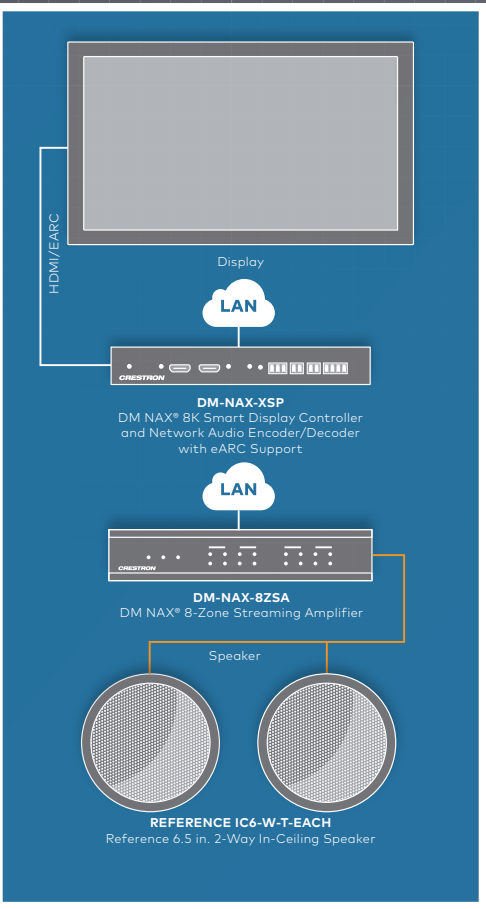
Integrates smart TV audio into the DM NAX ecosystem via HDMI® eARC connectivity, placing multi-channel audio, including Dolby Atmos® and DTS:X® audio technologies, onto the AoIP network. It supports downmixing to stereo for flexible zone distribution



- FLOOR PLAN KEY
- AUDIO ZONES
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DM-NAX-XSP Sample Routing





DM-NAX-BTIO-1G
DM NAX® Audio-over-IP Wall Plate
with Bluetooth® Audio Support

DM NAX® AUDIO OVER IP INTERMODEL COMPARISON													
Model (click to visit product page)	Max Output Zones	Max Stereo AoIP Streams	Amplified Outputs	Line Outputs	Inputs (Analog/Digital)	Music Streaming Services	DSP	Direct Casting Services	Mixer (In x Out)	AoIP Protocol	Form Factor	Device Operation Mode Capability (Comm/Resi)	Notable Features
DM-NAX-8ZSA	8	8 in 24 out	8 x 150W	4 Stereo unbalanced RCA line-level outputs	4 Stereo analog (RCA) 4 Digital S/PDIF (2 Toslink® and 2 Coaxial)	Yes ^[4]	Full DSP ^[1] per output	Airplay® 2 and Spotify Connect™	No ^[2]	AES67 and DM NAX® audio over IP	2RU	Residential	Full featured flagship model
DM-NAX-4ZSA-50	4+1	5 in 9 out	4 x 50W	4 Stereo unbalanced RCA line-level outputs	2 Stereo analog (RCA) 2 Digital S/PDIF (2 Toslink® and 2 Coaxial)	Yes ^[4]	Full DSP ^[1] per output	Airplay® 2 and Spotify Connect™	No ^[2]	AES67 and DM NAX® audio over IP	1RU Half- Rack	Residential	GaN class D Amp, stackable
DM-NAX-4ZSP	4	4 in 16 out	0	4 Stereo analog (balanced phoenix/ unbalanced RCA)	4 Stereo analog (RCA) 4 Digital S/PDIF (2 Toslink® and 2 Coaxial)	Yes ^[4]	Full DSP ^[1] per output	Airplay® 2 and Spotify Connect™	No ^[2]	AES67 and DM NAX® audio over IP	1RU Half- Rack	Residential	Pre-Amp only, ideal for expansion
DM-NAX-16AIN	0	0 in 16 out	0	0	8 stereo unbalanced analog (RCA) includes (4) 5-pin phoenix balanced connector 8 Digital SPDIF (4 Toslink® and 4 Coaxial)	No	No	No	No	AES67 and DM NAX® audio over IP	1RU	Residential	16 input encoder for audio over IP
DM-NAX-XSP	0	1 in 1 out	0	0	HDMI® / eARC / Toslink®	No	Downmixing surround sound (Dolby Atmos®, DTS:X) to stereo AoIP streams	No	No	AES67 and DM NAX® audio over IP	Roombox	Residential	eARC audio over IP processor, downmix to 2ch audio over IP
DM-NAX-AMP-X300	4 Mono, 2 Stereo ^[3]	2 in 2 out	1 x 300W, 2 x 150W, 3 x 75W, 4 x 75W	4 Balanced/ unbalanced analog (phoenix)	4 Balanced/unbalanced line/mic-level via 3-pin phoenix	No	Full DSP ^[1] per output	No	9 x 12	AES67 and DM NAX® audio over IP	1RU Half- Rack	Residential or Commercial	Flexible amp, stackable, no streaming built in , 4 channel Dante® AoIP input and outputs
DM-NAX-AUD-IO	4 Mono, 2 Stereo	1 in 1 out	0	1 Balanced/ unbalanced stereo analog (phoenix)	2 x Line In, signal generator	No	Bass and treble boost and cut, loudness, adjustable delay, tone profiles, and a full 10-band EQ per output	No	5 x 4	AES67 and DM NAX® audio over IP	Flexible mount, surface mount, 1-Gang or rack	Residential or Commercial	Stereo balanced line-level analog audio to audio over IP
DM-NAX-BTIO-1G	8 Mono, 4 Stereo	2 in 2 out	0	1 Stereo unbalanced (3.5mm)	1 x Line In 3.5mm, 1 Bluetooth®, signal generator	No	Input gain, balance, delay	No	9 x 8	AES67 and DM NAX® audio over IP	1-Gang wallplate	Residential or Commercial	Bluetooth audio over IP wallplate
DM-NAX-2XLRI-1G	4 Mono, 2 Stereo	1 in 1 out	0	2 Balanced (phoenix)	2 x XLR mic/line inputs with phantom power, signal generator	No	Gain, mute, compensation, 5-band parametric EQ, delay	No	5 x 4	AES67 and DM NAX® audio over IP	1-Gang wallplate	Residential or Commercial	Balanced XLR input to audio over IP, audio over IP stream to balanced line outs
DM-NAX-AUD-USB	8 Mono, 4 Stereo	2 in 2 out	0	1 Unbalanced stereo analog (3.5mm)	2 Channel Input via USB, 1 Line In 3.5mm, signal generator	No	Compensation, mute, tone, 10-band parametric EQ, delay	No	9 x 8	AES67 and DM NAX® audio over IP	Flexible mount, surface mount, 1-Gang or rack	Residential or Commercial	2 Channel Bi-directional USB audio interface
SAROS DM-NAX-IC4A	4 Mono, 2 Stereo	2 in	4 out	0	Signal generator	No	Mute, 10-Band Parametric EQ	No	5 x 4	AES67 and DM NAX® audio over IP	In Ceiling Speaker	Residential or Commercial	POE+ Speaker, powers up to 4 passive speakers

Notes:

[1] Full DSP Features

- 10-Band Parametric EQ per Output
 - EQ Filter Types: EQ, High Pass, Low Pass, Treble Shelf, Bass Shelf, Notch
- Center Frequency: 10 Hz to 20 kHz per band
- Gain: +20/-40 dB per band
- Bandwidth: 0.1 to 4.0 octaves per band

• Zone Volume Control: -80 to +20 dB

• Adjustable Delay

• Speaker Protection and Output LimitingBass and Treble Boost/Cut: ±12 dB

• Loudness Compensation: On/Off

• Tone Profiles: Flat, Classical, Jazz, Pop, Rock, Spoken Word

• Balance Control: Left/Right

• Dynamic Range Control: Off/Low/Medium/High

• Fixed or Variable Output Level with or without DSP applied

• Bus Volume Offset: ±12 dB per zone for output bussing

• Speaker Profiles: Built-in for Crestron and third-party models (on select models)

[2] No matrix mixing but has a built in routing matrix to route inputs to outputs

[3] 4 Mono Output Channels (4 amplified, 4 Balanced Line Out) in Commercial Mode, 2 stereo zones in Residential Mode

[4] Music streaming services (where applicable) include, Pandora®, SiriusXM®, TIDAL®, Deezer®, Qobuz®, SOUNDMACHINE®, and Internet Radio

All models support AES67 and/or Dante® audio over IP interoperability.

Resources

Continue Your Journey
with More DM NAX®
Audio-over-IP Resources



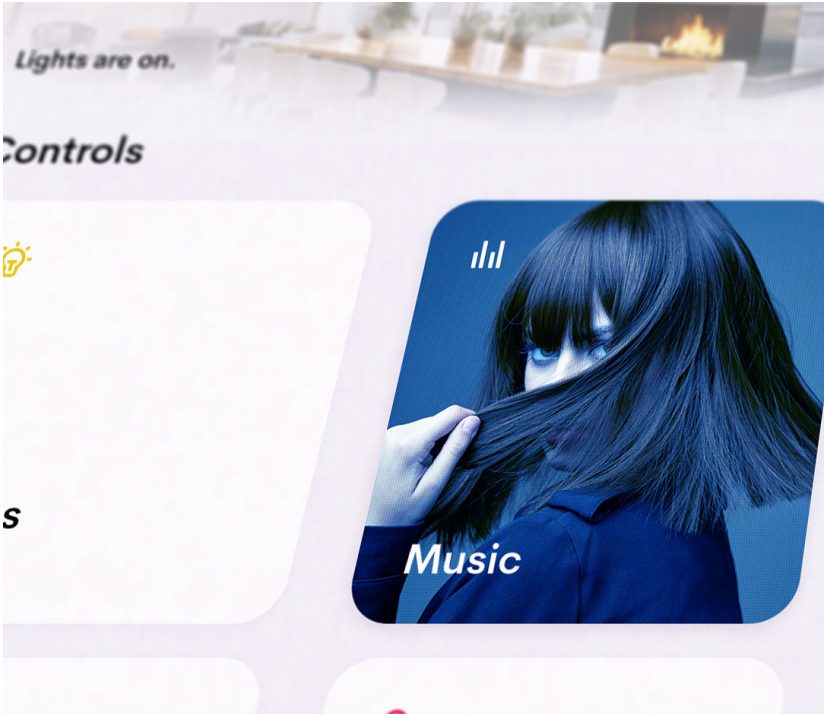
Design Ideas: Whole Home Technology

Crestron Home® OS blends the elements of simplicity, luxury, and relaxation to anywhere you call home

Designs include a bubble diagram, system design, and system CAD



Learn more about Whole Home Technology
crestron.com/designideas



DM NAX® Audio-over-IP Webpage

Send high-fidelity sound from any source to any space. Every note. In no time flat. It's done with DM NAX Audio-over-IP technology



Learn more about DM NAX® Audio-over-IP
crestron.com/Products/Featured-Solutions/DM-NAX-Audio



Expand the Power of DM NAX® Audio-over-IP with DM NAX Edge Devices

Video walk-through deepdive of the DM NAX Audio-over-IP Edge devices



Watch here to learn more about DM NAX Edge Devices
youtu.be/-GKK532aYKs



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