AUDIO MATRIX SWITCHES
8 SOURCE, 8 ZONE AND 24 SOURCE, 24 ZONE

TRIAD AUDIO MATRIX SWITCHES

The Triad 8 × 8 and 24 × 24 Audio Matrix Switches distribute stereo audio sources to powered amplifiers to deliver high-resolution audio throughout the home while preserving high-resolution audio quality. They include stereo RCA, digital coax, and digital optical audio inputs to integrate with virtually any audio source. Stereo analog (RCA) audio outputs distribute sources to audio/video receivers and multi-room amplifiers. Each output can be adjusted with independent gain, bass, treble, five-band EQ, balance, loudness, and monosumming controls. Triad multi-room audio solutions are built from the ground up to deliver high-resolution audio throughout the home and hide neatly out of sight.

Use Triad Audio Matrix Switches with Triad speakers, Triad Power Amplifiers, and Control4 EA Series Entertainment and Automation Controllers to deliver a fantastic high-resolution audio experience throughout the home.

Triad Audio Matrix Switches require OS 2.10 or higher.

FEATURES

- Share up to 8 (or 24) audio sources to as many as 8 (or 24) audio zones for multi-room audio distribution

- High signal-to-noise ratio delivers dynamic, high-resolution audio to every room in the house
- All audio inputs and outputs support resolutions up to 192 kHz/24 bit
- Independent output controls adjust volume, bass, treble, five-band parametric EQ, balance, loudness, and monosumming
- Independent input gain control for each source for consistent levels when switching between sources
- Two output zones can be grouped into a single 2.1 (stereo speakers + subwoofer) audio zone
- 12V trigger outputs enable simple on/off control of Triad power amplifiers or other devices that support 12V power-on capabilities
- Audio sensing supports programmable events based on the presence of audio
- Ethernet control
- Rack-mount ears included
- Built-in EQ presets for Triad speakers

TRIAD▲

TRIAD AUDIO MATRIX **SWITCHES**

SPECIFICATIONS

AUDIO SPECIFICATIONS

THD	<0.005%, 20 Hz – 20 kHz
SNR	>105 dB, A-weighted—input to output
Frequency response	20 Hz – 20 kHz +/- 0.2 dB
Volume control per channel	0.5 dB steps, +0 to -80 dB range
Mute	Available on all outputs
Source input gain	0.5 dB steps, 0 to +12 dB on every input
Monosumming	Configurable per stereo output pair, each output combines the L/R input signal
Five-band parametric EQ	Adjustable per stereo output, +/- 12 dB, 0.5 dB steps
Supported sample rates	44.1 kHz, 48 kHz, 96 kHz, 192 kHz—at 16- or 24-bit resolution
Analog input voltage	2V
Analog output voltage	2V

POWER

AC mains power	Universal 100-240VAC, 50-60 Hz, 10W (8 × 8), 20W (24 × 24)

THERMAL

	8 × 8 AMS	24 × 24 AMS
Operating temperature	32°F ~ 113°F (0°C ~ 45°C)	32°F ~ 113°F (0°C ~ 45°C)
Thermal dissipation (heat losses)	1.32W / 4.5 BTU/hour (standby) 7.09W / 24.2 BTU/hour (max)	1.79W / 6.1BTU/hour (standby) 15.22W / 52.0BTU/hour (max)
Humidity	5% to 95% non-condensing	5% to 95% non-condensing
Storage	-4°F ~ 158°F (-20°C ~ 70°C)	-4°F ~ 158°F (-20°C ~ 70°C)

CONNECTIONS

	8 × 8 AMS	24 × 24 AMS
Source inputs (Digital inputs are either coax or optical and are stereo PCM only)	8 × stereo analog (RCA) 4 × digital coax 4 × digital optical Inputs 5-8 are either analog or digital	16 × stereo analog (RCA) 8 × digital coax 8 × digital optical
Zone outputs	8 × stereo analog (RCA)	24 × stereo analog (RCA)
12V trigger outputs	2 × mono 3.5 mm (1/8″) outputs	4 × mono 3.5 mm (1/8″) outputs

MISCELLANEOUS

	8 × 8 AMS	24 × 24 AMS
Front power LED	1 × status LED	1 × status LED
System status LED	1 × RGB LED	1 × RGB LED
Ethernet	1 × RJ-45	1 × RJ-45
ID button	Yes	Yes
Factory restore button	Yes	Yes
Dimensions without feet (H×W×D)	1.75 × 17.5 × 10.38″ (4.4 × 44.5 × 26.4 cm)	3.5 × 17.5 × 10.38″ (8.9 × 44.5 × 26.4 cm)
Dimensions with feet (H×W×D)	2.13 × 17.5 × 10.38″ (5.4 × 44.5 × 26.4 cm)	3.88 × 17.5 × 10.38″ (9.8 × 44.5 × 26.4 cm)

PRODUCT NUMBER

	8 × 8 AMS	24 × 24 AMS
Triad Audio Matrix Switches	TS-AMS8	TS-AMS24

TRIAD®