TRIAD ONE
STREAMING AMPLIFIER

TRIAD ONE
SINGLE-ZONE, HIGH-RESOLUTION STREAMING AMPLIFIER

The Triad One is a single-zone, high-resolution streaming amplifier and the easy way to add music into any room of a Control4-enabled home without the need to pull wire back to a central location. The Triad One supports high-resolution audio playback, up to 192 kHz / 24 bit, with a built-in amplifier boasting an impressive 105 dB signal-to-noise ratio and 100 watts per channel—enabling incredible sound in any room. Also included is a built-in 10-band parametric EQ delivering exceptional sound output and room optimization.

The Triad One is also a great alternative to an AVR in a bedroom, kitchen, or other location when surround sound is not a requirement. Not only does the Triad One have digital and analog audio inputs to take the audio output from a TV to power a soundbar, it has two IR outputs to control the TV and another local source, if needed.
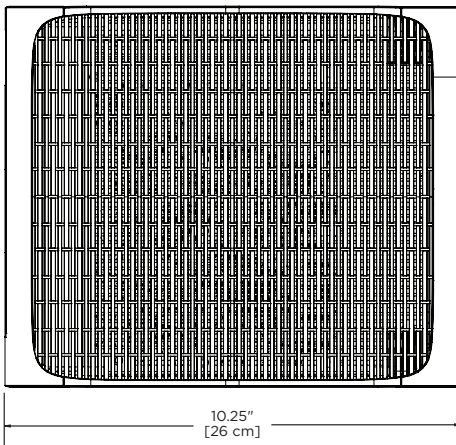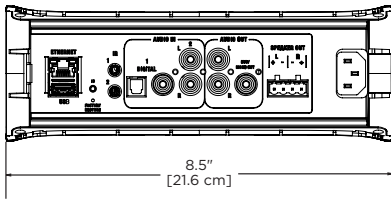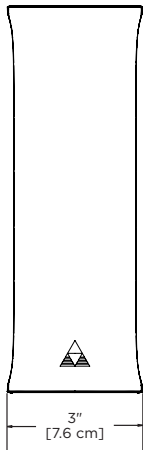
A line-level subwoofer output rounds out the system for deep bass when connected to a powered subwoofer. The Triad One is available in white and black, can be placed horizontally or vertically, and can be installed on a bookshelf, in a rack, or mounted behind a TV.

FEATURES

- Add a high-resolution, amplified audio zone to any Control4 system
- Built-in streaming music services synchronized with EA controllers
- Network control of audio and volume over a wired or WiFi connection
- Analog and digital audio inputs support audio resolutions up to 192 kHz / 24 bit
- Volume, bass, treble, 10-band parametric EQ, balance, loudness, and mono summing
- Input gain for analog source input
- Audio sensing supports programmable events based on the presence of audio
- Built-in EQ presets for Triad speakers
- Supports native Control4 streaming services including Pandora, Spotify, TIDAL, Napster, Sirius XM, Deezer, and iHeartradio
- Supports built-in Control4 digital media playback including My Music, ShairBridge, and DLNA

TRIAD

TRIAD ONE STREAMING AMPLIFIER

DIMENSIONS

3"
[7.6 cm]

8.5"
[21.6 cm]

10.25"
[26 cm]

SPECIFICATIONS

Audio inputs	2 inputs, 1 analog stereo and 1 digital, (S/PDIF coax or TOSLINK optical)
Audio outputs	1 stereo analog out, 1 sub/mono audio out
Zone speaker outputs	1 stereo, Phoenix-style connector
USB	1 USB 2.0 port—supports playback of media stored on USB
IR	2 IR ports—3.5 mm jack
Ethernet	RJ45 jack for local network connection, 10/100/1000BaseT
WiFi	2 internal antennas, 2.4 GHz and 5 GHz, 802.11b/g/n
Front power LED	1 × RGB status LED
ID and factory restore buttons	Yes
Dimensions (H x W x D)	3 × 8.5 × 10.25" (7.6 × 21.6 × 26 cm)

POWER AMPLIFIER

Rated wattage/channel	100W @ 4 Ω / 60W @ 8 Ω
Minimum load impedance	Tolerates 3 Ω loads
Frequency response	+/- 0.5 dB, ref 1 kHz, 20 - 20,000 Hz, 4 or 8 Ω
THD	< 0.01% 1 kHz at all output levels below clipping
Noise	< -105 dB reference to rated power A-weighted

ANALOG AUDIO INPUT

Maximum input level	2V RMS
Analog to digital conversion	2V RMS = 0 dBFS
Analog frequency response	+/- 0.1 dB 20-20,000 kHz ref 1 kHz
Analog dynamic range	>114 dB A-weighted
THD in a 20 kHz bandwidth	< 0.001% 20 - 20,000 Hz up to 2V RMS

DIGITAL AUDIO INPUTS

S/PDIF input	Accepts IEC 60958 standard inputs in 16/24-bit PCM stereo only, surround not supported
Accepted sample rates	30-200 kHz for direct input mode; 44.1k, 48k, 96k, 192k for streaming output mode
Optical input TOSLINK	Standard TOSLINK levels

GENERAL AUDIO

DSP audio processing	24-bit audio processing double-precision filters
Signal-to-noise ratio	> 105 dB
Tone controls	+/- 12 dB with 650 Hz turnover frequency in 0.5 dB steps
10-band EQ	Ten one-octave filters in 0.5 dB Steps, +/- 12 dB
Volume control	Attenuates from 0 to -80 dB and off in 0.5 dB steps
Loudness control	Continuously variable from 100% volume to off
Subwoofer output	Mono summing of stereo audio or crossover mode
Subwoofer crossover type	4th order (24 dB/octave) Linkwitz-Riley
Crossover frequencies	80 Hz, 90 Hz, 100 Hz, 110 Hz, 125 Hz, 140 Hz
Signal present detectors	-30 dB low-pass filtered

THERMAL

Operating temperature	32° F ~ 102° F (0° C ~ 40° C)
Humidity	5% to 95% non-condensing
Storage	-4 °F ~ 158 °F (-20 °C ~ 70 °C)

PRODUCT NUMBER

Triad One (Black)	TS-SAMP1-100-BL
Triad One (White)	TS-SAMP1-100-WH

TRIAD®

TRIAD SPEAKERS INC. | PORTLAND, OR