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 equalizer 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.
TRIAD ONE
STREAMING AMPLIFIER

DIMENSIONS

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

Anallog 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

Volume control
Ten one-octave filters in 0.5 dB Steps, +/- 12 dB

Loudness control
Attenuates from 0 to -80 dB and off in a tapered curve

Subwoofer output
Continuously variable from 100% volume to off

Subwoofer crossover type
Mono summing of stereo audio or crossover mode

Crossover frequencies
4th order (24 dB/octave) Linkwitz-Riley

Signal present detectors
80 Hz, 90 Hz, 100 Hz, 110 Hz, 125 Hz, 140 Hz

-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-SAMPI-100-BL

Triad One (White)
TS-SAMPI-100-WH