

TRIAD ONE

STREAMING AMPLIFIER



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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 Denver-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.

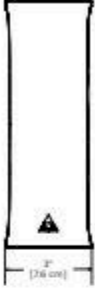


A line-level subwoofer output rounds out the system for deep bass when connected to a powered subwoofer. The Triad One is available in white and black, can be placed horizontally or vertically, and can be installed on a bookshelf, in a rack, or mounted behind a TV.

FEATURES

- Add a high-resolution, amplified audio zone to any Denver 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, 1-octave 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 Denver streaming services including Pandora, Spotify, TIDAL, Napster, Sirius XM, Deezer, and iHeartradio
- Supports built-in Denver digital media playback including My Music, ShairBridge, and DLNA

Specifications

DIMENSIONS	SPECIFICATIONS
 <p>2" (76 cm)</p>  <p>6.5" (21.6 cm)</p>  <p>10.25" (26 cm)</p>	<p>Audio inputs 2 inputs, 1 analog stereo and 1 digital (5/PDIF coax or TOSLINK optical)</p> <p>Audio outputs 1 stereo analog out, 1 sub/mono audio out</p> <p>Zone speaker outputs 1 stereo, Phoenix-style connector</p> <p>USB 1 USB 2.0 port—supports playback of media stored on USB</p> <p>IR 2 IR ports—3.5 mm jack</p> <p>Ethernet RJ45 jack for local network connection, 10/100/1000BaseT</p> <p>WiFi 2 internal antennas, 2.4 GHz and 5 GHz, 802.11b/g/n</p> <p>Front power LED 1 + RGB status LED</p> <p>ID and factory restore buttons Yes</p> <p>Dimensions (H x W x D) 3 x 8.5 x 10.25" (7.6 x 21.6 x 26 cm)</p> <p>POWER AMPLIFIER</p> <p>Rated wattage/channel 100W @ 4 Ω / 60W @ 8 Ω</p> <p>Minimum load impedance Tolerates 3 Ω loads</p> <p>Frequency response +/- 0.5 dB, ref 1 kHz, 20 - 20,000 Hz, 4 or 8 Ω</p> <p>THD < 0.01% 1 kHz at all output levels below clipping</p> <p>Noise < -105 dB reference to rated power A-weighted</p> <p>ANALOG AUDIO INPUT</p> <p>Maximum input level 2V RMS</p> <p>Analog to digital conversion 2V RMS = 0 dBFS</p> <p>Analog frequency response +/- 0.1 dB 20-20,000 kHz ref 1 kHz</p> <p>Analog dynamic range >114 dB A-weighted</p> <p>THD in a 20 kHz bandwidth < 0.001% 20 - 20,000 Hz up to 2V RMS</p> <p>DIGITAL AUDIO INPUTS</p> <p>5/PDIF input Accepts IEC 60958 standard inputs in 16/24-bit PCM stereo only; surround not supported</p> <p>Accepted sample rates 30-200 kHz for direct input mode; 44.1k, 48k, 96k, 192k for streaming output mode</p> <p>Optical input TOSLINK Standard TOSLINK levels</p> <p>GENERAL AUDIO</p> <p>DSP audio processing 24-bit audio processing double-precision filters</p> <p>Signal-to-noise ratio > 105 dB</p> <p>Tone controls +/- 12 dB with 650 Hz turnover frequency in 0.5 dB steps</p> <p>10-band EQ Ten one-octave filters in 0.5 dB steps, +/- 12 dB</p> <p>Volume control Attenuates from 0 to -80 dB and off in a tapered curve</p> <p>Loudness control Continuously variable from 100% volume to off</p> <p>Subwoofer output Mono summing of stereo audio or crossover mode</p> <p>Subwoofer crossover type 4th order (24 dB/octave) Linkwitz-Riley</p> <p>Crossover frequencies 80 Hz, 90 Hz, 100 Hz, 110 Hz, 125 Hz, 140 Hz</p> <p>Signal present detectors -30 dB low-pass filtered</p> <p>THERMAL</p> <p>Operating temperature 32°F - 102°F (0°C - 40°C)</p> <p>Humidity 5% to 95% non-condensing</p> <p>Storage -4°F - 158°F (-20°C - 70°C)</p> <p>PRODUCT NUMBER</p> <p>Triad One (Black) TS-SAMP5-100-BL</p> <p>Triad One (White) TS-SAMP5-100-WH</p>



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