



Abyss 8 Triple 8" High-Resolution Hybrid Subwoofer

ABYSS8SW

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Abyss™ 8 is one of the smallest, most compact subwoofers that MartinLogan has ever built, but don't let its small footprint fool you, it is capable of bass completely unexpected from its ultra-compact size. The key to its deceptively strong, yet detailed sound is its Hybrid Woofer System which utilizes a pair of 8" passive radiators to bolster its active 8" woofer. This woofer system is driven by powerful amplification, and a precision DSP engine, all contained inside a beautiful, yet robust, 1" thick cabinet. To complement the impressive power and musicality of Abyss 8, MartinLogan engineers included an array of connectivity options ranging from XLR to the built-in wireless option. Abyss 8 also features MartinLogan's powerful and intuitive control app for convenient setup and adjustment, as well as being compatible with the award-winning Anthem Room Correction (ARC®) system.

Abyss 8 is no ordinary 8" subwoofer. Featuring a unique 8" Hybrid Woofer System, Abyss 8 combines an active 8" aluminum woofer with two 8" aluminum passive radiators. This innovative design offers the enhanced output of a ported subwoofer while maintaining the compact size and tight bass associated with sealed subwoofers. Enjoy the best of both worlds without compromises like larger cabinets or port noise. Abyss 8's custom-designed aluminum woofers are engineered for peak performance using advanced Klippel analysis. The light weight, high strength, and excellent heat dissipation properties of aluminum make it ideal for delivering clean, powerful bass in such an ultra-compact design.

Features

- Triple 8" Hybrid Woofer System includes one active 8" woofer and two 8" passive radiators
- Built-in Class D Magnitude® amplifier delivers 500 watts RMS
- Ultra-high-resolution 500MHz Vojtko DSP engine with 64-bit processing for clean, high-output, high-fidelity bass
- Built-in wireless receiver with included wireless transmitter for cable-free connection to your receiver or amp
- Frequency response: 23-200 Hz (±3dB)
- Precision-crafted, 1" - thick MDF cabinet with reinforced woofer baffles and center brace
- Optional Anthem Room Correction for custom equalization, tuning, and calibration

Digital Signal Processing	Ultra High-Resolution 500MHz Vojtko DSP Engine with 64bit processing
Frequency Response	23–120 Hz ±3 dB (Anechoic via LFE input)
Low Frequency Transducer	Triple 8" (20.3cm) Hybrid Woofer System consisting of a single high-excursion, anodized-aluminum cone in a stamped steel basket with dual anodized-aluminum cone passive radiators
Cabinet	Precision-crafted, sealed MDF enclosure featuring a robust 1-inch thick MDF structure with reinforced woofer baffles and center brace

Amplifier	Magnitude MT-1kW Amplifier with 1,000W peak (500W continuous)
Controls (Backplate)	Level: Interactive LED Backlit Knob Tone Sweep: Sweep Start and Pause (with status light) Power Mode: On, 12v Trigger, Auto Wireless Audio Pairing Button (for included MartinLogan wireless transmitter)
Controls (via Bluetooth)	Level: -40 to 12dB (Min-Max) Low-Pass Filter (Frequency): 35–120Hz (1° Increments) Low-Pass Filter (Order): Bypass, Third, Fourth Phase: 0–180° (1° Increments) Phase (Polarity): Normal, Inverted Preset Listening Modes: Movie, Music, Night 20–30Hz Level: ±10dB Anthem Room Correction (ARC Genesis): On, Off Tone Sweep (120-20Hz): On, Off, Pause (Frequency)
Wireless Inputs	Integrated Wireless Receiver, Wireless Transmitter Included
Inputs	Line Level: Left, Right, and LFEXLR: LFE Speaker Level: Left and Right (requires banana plugs)
Power Draw	Max: 500W Standby (Wireless Disabled): 0.5W Standby (Wireless Enabled): <2W *Transmitter and Subwoofer combined
Feet	Integrated Anti-Vibration Feet (carpet spikes included)
Weight	46.7 lbs (21.2 kg)
Dimensions (H x W x D)	13.5" x 13.2" x 13.2" (34.3cm x 33.5cm x 33.5cm)
Finish	Gloss Black or Satin White