



## Abyss 10 Triple 10" High-Resolution Hybrid Subwoofer

ABYSS10GB

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Despite its compact size, the aptly named Abyss 10 plays deep with surprising authority. Featuring a unique 10" Hybrid Woofer System, Abyss 10 combines an active 10" aluminum woofer with two 10" 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 10'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 a compact design.

Like its smaller sibling, Abyss™ 8, the Abyss 10 provides deceptively strong, yet detailed sound thanks to its 10" Hybrid Woofer System. Abyss 10 utilizes a pair of 10" passive radiators to bolster its active 10" woofer, resulting in even higher levels of output capability and deeper low frequency extension. This woofer system is driven by powerful amplification, and a precision DSP engine, all contained inside an elegant 1" thick cabinet. To complement the impressive output and speed of Abyss 10, MartinLogan engineers included a variety of connections ranging from XLR to the built-in wireless option. Abyss 10 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.

### Features

- Triple 10" Hybrid Woofer System includes one 10" active woofer and two 10" passive radiators
- Built-in Class D Magnitude® amplifier delivers 800 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: 22-120 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	22–120 Hz ±3 dB (Anechoic via LFE input)
Low Frequency Transducer	Triple 10" (25.4cm) 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-1.6kW Amplifier with 1,600W peak (800W 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: 800W Standby (Wireless Disabled): 0.5W Standby (Wireless Enabled): <2W *Transmitter and Subwoofer combined
Feet	Integrated Anti-Vibration Feet (carpet spikes included)
Weight	55.6 lbs (25.2 kg)
Dimensions (H x W x D)	15.4" x 15" x 15" (39.1cm x 38cm x 38cm)
Finish	Gloss Black