

Technical Specifications

Deviation:

- ±1 dB in the audible band
- ±5° relative phase throughout entire overlap
- Exceptional pair-matching
- Usable output extends from 20 Hz to 40 kHz

Drivers:

- BilletCore™ ultra-high-rigidity woofer and mid-woofer
- ForgeCore™ ultra-low-distortion tweeter

Filters:

- Hailey™ is fully passive
- Proprietary DualCoherent™ crossover at 65 Hz and 1.75 kHz
- Designed using software developed in-house
- ToroAir™ inductors eliminate cross-talk

Sensitivity:

- 87 dB / 2.83 V / 1 m 2π anechoic

Impedance:

- 4Ω nominal, 3Ω minimum

Dimensions:

- Hailey™ 1.1 - 43x20x44 cm (17x8x17") HxWxD
- Hailey™ 1.2 - 122x33x54 cm (48x13x21") HxWxD

Weight:

- Hailey™ 1.1 - 27 kg (60 lbs) per channel unpackaged
- Hailey™ 1.2 - 77 kg (170 lbs) per channel unpackaged

MMDesign

YG Acoustics™ constantly strives to update and improve existing products as well as create new products and technologies. Therefore, specifications and construction details are subject to change without notice.



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YG ACOUSTICS™



Hailey™ 1.2

HAILEY™
Pure Harmony

Description

Hailey™ delivers the lifelike natural sound of YG Acoustics™' Sonja™ flagship, at a price that is accessible to a wider audience within the ultra-high-end. The technologies of Hailey™ mirror those of Sonja™, using equally stunning industrial design, and the same world-class precision-manufacturing. The result is astonishing sonic performance — unequaled, with the exception of the flagship itself — in a gorgeous marvel of engineering and craftsmanship. Hailey™ - spectacular sonics, timelessly elegant form, pure harmony... handmade in U.S.A.

Hailey™ uses a fully CNC-machined construction and proprietary toroidal air-core crossover inductors. The revolutionary drivers, machined in-house for Sonja™, make an encore appearance in Hailey™, with a brand-new and remarkably lightweight 7.25" (18.5 cm) midrange driver that offers a phenomenal

strength-to-weight ratio. These enhancements result in ultra-low distortion, while preserving the industry-leading frequency and phase response that YG Acoustics™ is famous for.

The bass and midrange units are made in-house using YG Acoustics™' proprietary **BilletCore™*** technology: the drivers are precisely machined out of massive slabs of aircraft grade aluminum. This unique process offers overwhelmingly superior dynamics, musical delicacy and low distortion due to industry-leading rigidity and accuracy (tight tolerances).

The tweeter incorporates YG Acoustics™' ingenious **ForgeCore™*** system: in-house CNC-cutting introduces sophisticated 3D geometries into the motor system. The resulting improvement is greatly reduced distortion and a sense of ease to the sound. YG Acoustics™ crossover circuits are all created using proprietary software developed entirely in-house. **DualCoherent™*** technology provides the best frequency response and relative phase available. Competing speakers are optimized in either the frequency domain (most common) or time domain. Only YG Acoustics™ has the ability to optimize both domains simultaneously.

Hailey™'s crossover uses **ToroAir™*** technology: in-house CNC-wound toroidal air-core inductors are unique in eliminating cross-talk (cross-contamination) common in crossover circuits. The result is preservation of high-frequency detail without harshness, brightness or sibilance.

Hailey™'s exquisite **Cabinet*** combines visual refinement with over-engineering. It is constructed of precision-machined aircraft-grade aluminum alloy. This material, using vibration-free pressurized assembly, allows for the most acoustically desirable enclosures achievable. The structure is optimized for each module's specific frequency range. This ensures freedom from vibration, even at very high volume levels.

FocusedElimination™* anti-resonance technology keeps mechanical losses lower than any competing speaker, by combining the minimized turbulence of a sealed design with the low friction otherwise associated with enclosure-free concepts.

YG Acoustics™ speakers are not voiced. All measurements are verified using extensive listening tests, but the speakers are not artificially manipulated. YG Acoustics™ speakers simply convey the recording - nothing more, nothing less. The end-result: Hailey™ is a champion of transparency, 3D-soundstaging, dynamics, bandwidth, inner-detail, and the natural sound of a live performance that YG Acoustics™ is famous for. This is all presented in a refined, elegant speaker with an exquisite fit-and-finish that is the showpiece of the world's finest listening environments.

Configurations

Hailey™ is available in two modular configurations, which can be expanded from one to the next at any time, without the need to replace existing modules:

- **Hailey™ 1.1** - an ultra-high-end compact speaker
- **Hailey™ 1.2** - an ultra-high-end floorstanding speaker. Consists of Hailey™ 1.1 interlocked atop a matching bass module.

Hailey™ is fully compatible with multichannel audio and home-theater systems. Hailey™ speakers can also be combined with speakers from YG Acoustics™' other lines for properly phase-coherent multichannel systems.

* For additional details about these technologies, see our separate technology brochures

