



YG ACOUSTICS



## CARMEL 3

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Our Reference range demonstrates the very best that can be achieved in accuracy and musicality. We are honored that these models are some of the most awarded loudspeakers in the world.

They combine advanced materials with cutting edge science and engineering. They are designed without compromise, with the singular aim of transporting listeners into the heart of the music.

Carmel 3 delivers the highest accuracy and musicality possible from a compact two-channel loudspeaker. We have applied many of our technologies from the XV, Sonja and Hailey to a compact form factor that is compatible with any room. Carmel 3 throws a huge sound-stage with effortless detail. Incredible delicacy is combined with huge power and authority.

The Reference speakers are structured from high-grade aerospace aluminum, machined in-house to an incredible precision. They are meticulously hand-built by experts in our Colorado and Cambridge workshops.

The Reference 3 models include new technologies and design innovations based on novel theoretical models, detailed multi-domain simulations and thousands of hours of listening. The end result: loudspeakers which convey every nuance of emotion, each musical cue from the tiniest micro-detail to the visceral impact of the most thunderous crescendo.

An entirely new, hybrid Lattice tweeter uses a novel airframe in a specially-selected aerospace alloy, machined by YG Acoustics. It delivers exceptionally low distortion over a huge bandwidth, with wide angular dispersion to support a large sweet-spot.

The 18 cm (7.25") midbass driver uses an advanced motor with extremely powerful Neodymium rare earth magnets, driving a YG proprietary aluminum cone to deliver industry-leading performance.

Groundbreaking, third-generation Ultracoherent crossovers apply a deep understanding from simulation to deliver performance never before possible.

## SPECIFICATIONS

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### **SPEAKER TYPE**

2-way passive floor-standing loudspeaker

### **DRIVERS**

26 mm (1") proprietary YG Lattice hybrid tweeter  
18.5 cm (7.25") proprietary YG aluminum cone midbass driver with neodymium motor magnets

### **CROSSOVER**

Ultracoherent circuit with crossover at 1.75 kHz  
Exceptional phase alignment:  $\pm 5^\circ$  relative phase between drivers from 700 Hz to 3.3 kHz, covering range where driver relative output is within 25 dB  
Optimized for frequency response, phase alignment, phase slope and transient response  
Custom capacitors, including pure metal foil models  
Metal foil resistors for exceptional imaging and transient response  
Advanced, resonance-damped inductors  
Exceptional components such as exotic copper foil capacitors and OFC Litz copper inductors  
Custom, anti-resonance PCB with low dielectric constant and dissipation factor, with computationally optimized layouts minimizing component interactions

### **RESPONSE**

Usable output extends from 32 Hz to 40 kHz  
Exceptionally low distortion throughout range  
Excellent pair matching

### **SENSITIVITY**

87 dB

### **IMPEDANCE**

6 Ohms average  
3.2 Ohms minimum

### **DIMENSIONS**

103 × 23 × 31 cm (H × W × D)  
41 × 9 × 13" (H × W × D)

### **WEIGHT**

39 kg per speaker unpackaged  
85 lbs per speaker unpackaged

### **FINISHES**

Standard finishes are silver and black  
Please contact your dealer for other finish options

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Founded in 2002, YG Acoustics is recognized as one of the leading manufacturers in the high-end audio industry. Everyone at YG loves music and our loudspeakers reflect our passion. They provide the most accurate, most musical performance possible today.

Our drive to recreate the emotional magic of a live performance constantly inspires us to push the boundaries of audio technology. Over the years, our journey has led us to many proprietary innovations in design, materials and manufacturing.

More importantly, our speakers provide the clearest of windows into the performance. They communicate every nuance of emotion, every musical cue from the tiniest micro-detail through to the physical impact of the most thunderous crescendo. At YG we are lucky enough to hear our speakers every day. They can bring tears to our eyes or leave us with ear-to-ear grins that last the whole day. We hope you like them as much as we do.

Please note that at YG we are constantly updating our products. All specifications and finishes are indicative and subject to change.