

# isis *Signature*



**AVALON**  
ACOUSTICS

HIGH RESOLUTION

REFERENCE TRANSDUCERS

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How does one describe the indescribable? Surpassing all previous design conventions, ISIS Signature represents a profound achievement in pinpoint accuracy from a full range high-energy transducer. At its inception, ISIS was recognized by the critics as "Revolutionary". Retaining its classic form, ISIS Signature has been fully redesigned utilizing our proprietary Silent Inert Composite system, eliminating the eigenmode sonic degradation of any single material design. We have retained the all-neodymium magnetic technologies of the drive units, controlling each with proprietary all-phase, high-current networks connected throughout with our custom-smelted precious metal conductors. Low frequency impedance structure is flat, without system resonance, and easily driven.

The result is a large dynamic system that behaves like a small monitor, revealing the most subtle details of space and time combined with the ability to create explosive sound pressure contrasts. The noise floor is lower, the transient response faster, the storage of stray energy less than ever before. Octave to octave energy balance is equivalent throughout the extended bandwidth envelope, developed without compression and displayed on the blackest of backgrounds. Foremost, it is music in its most 3-dimensionally dynamic form.

*"A signature is the mark we make to signify responsibility. We pledge our bond that the article is authentic, truthful, and faithfully represents our intentions. Each Signature design is a reaffirmation of my personal commitment to Fidelity. Not a concept to be taken lightly, Fidelity is a vow of allegiance to preservation of truth, without leaving any fingerprints.*

*The delicately nuanced structure of music requires an authentic translation, lest we lose the intent and humanity of the artist. Each of these Signature designs is a work of art unique unto itself, a portal into an exploration of musical history and self."*

*Neil Patel*



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### FEATURES

- Advanced light weight driver diaphragm materials minimize energy storage and time-domain distortion.
- Proprietary Second-Generation Neodymium magnetic structures for improved dynamic range.
- Smooth, wide polar response for superlative imaging capabilities.
- Silent Inert Composite materials and techniques utilized throughout.
- Proprietary hard-wired conductors and circuitry, eliminating deleterious sonic effects of printed circuit boards.
- Wide bandwidth crossover circuitry for precise inter-driver phase alignment
- Careful crossover control of all magnetic field interaction.
- Proprietary magnetics technology increases energy transfer and reduces noise floor.
- Constrained-mode damping system absorbs cabinet vibrations.
- Acoustically engineered grille assembly decreases edge diffraction effects.
- Distinctive faceted cabinet design provides optimal polar characteristics for seamless dispersion.

### SPECIFICATIONS:

Driver Complement: 1" Concave Diamond Diaphragm tweeter  
7" Concave Ceramic Midrange  
2 x 13" Nomex Kevlar Composite Woofers

All drivers utilize proprietary neodymium magnetic technologies.

Sensitivity:	90 dB
Impedance:	4 Ohms Nominal
Frequency Response:	20 Hz to 100 kHz
Recommended Power:	50 to 500 Watts
Wiring Methods:	Two Position Binding Post
Dimensions:	60" (152 cm) H, 14.5" (37 cm) W, 17" (43 cm) D
Weight:	175 pounds each (80 kg each)