THE TECHNOLOGY OF A NEW SOUND DESIGN.

WHAT IS HOLOGRAPHIC IMAGING?
It's the vivid recreation of the sonic space on a recording and the exact positioning of instruments and singers within that space.

Think of these two pages as a narrative spec sheet—highlighting some of the concepts which have gone into developing this new mode of stereo enjoyment.

ANGLING THE WOOFER UPWARD.
This projects smooth, flat sound at the critical crossover point directly toward your ear and ample hall-simulating midrange reverberation throughout the reflected sound.

WIDER IMAGING AREA.
Imaging is no longer appreciated just in the "sweet spot." The asymmetrical offset of the tweeter on its baffle improves imaging over a wider listening angle.

BETTER GEOMETRY = BETTER IMAGING.
Unique narrow cabinet baffle minimizes diffraction and reflection effects for superb stereo imaging. New low frequency design delivers more energy from a small cabinet and maximum performance in any location.

STRONG, PRECISE IMAGING.
Our ultrawide-dispersion, louvered 3/4" (19 mm) tweeters produce precision localization on axis, along with treble airiness throughout the room. It's the best of both worlds. Other speakers use beamy, 1-inch (25 mm) tweeters, on wider cabinet fronts, too.

BETTER "REAL WORLD" FREQUENCY RESPONSE.
Here is actual frequency response measured in a real, typical living room. Note its serious smoothness across the crucial, ear-sensitive midrange and upper midrange. This simply means better and more accurate sound. (Any speaker system's response below 500 Hz will vary from room to room and speaker location to speaker location.)

SPECIFIC MATERIALS CHOSEN FOR BEST RESULTS IN EACH DRIVER APPLICATION.
Pulp paper cones are used where deep bass is required; rigid carbon-loaded polypropylene cones with minimal high frequency break-up are specified in some models to assure smooth midrange response.

DOME TWEETERS FOCUS CENTRAL STAGE.
They project unconfined sound into the room rather than localizing it to the speakers. The result is a clear
central stage that's more enjoyable. Several types of dome materials have been used, each making its own special contribution to the sound. All are soft-fiber or aluminum dome and ferrofluid-cooled for low resonance. (Fig. F)

WHEN IS A CABINET NOT JUST A CABINET?
When it's actually a performance component. These striking cabinet shapes are unusually rigid and strong, minimizing "panel talk."

Non-parallel cabinet walls reduce internal standing waves that affect cone motion. So the loss of musical detail is minimized. (Fig. G)

FEWER, BETTER CROSSOVERS.
H/1 crossovers are of minimalist design to reduce power loss and ensure the smoothest sound.

HOLOGRAPHIC IMAGING SPEAKERS ARE EASY TO DRIVE.
Some recent amp designs balk with speakers of less than 6 or 8 ohms impedance. But it's not usually the nominal impedance number—it's the complexity of that impedance. That's no problem with H/1 speakers. They're easy to drive regardless of their rated impedance number. (Fig. H)

HIGH-Q, LOW-Q ARRANGEMENT.
(Fig. I) In Model 4 the upper woofer and the higher-Q (low resonance) lower woofer combine coverage for powerful, deep output. The graph shows their excellent summed output. (Fig. J)

- 6" Polypropylene woofer
- Twin acoustic suspension cabinet
- 6" Heavy-paper cone, high Q woofer

Biamping capability on Models 4, 5 and 6 means cleaner playback with more power available for the potent bass and mid bass.

And with filtered acoustic suspension, we get increased efficiency for the digital era. The control of a sealed woofer side with the sensitivity of the vented side is the best of both worlds. Dual vents at different spacings, furthermore, blend smoothly for accurate bass reproduction.

AR's driving philosophy for four decades. In the H/1 Series, the handsome enclosure means a smaller footprint in your living room, too.
It's startling. Because you're used to speakers that merely flood a room with ambience. Or you're used to imaging that's pretty much been left, right and center. So when you hear the H/T Series speakers for the first time, you hear the nearly three dimensional effect of imaging and ambience combined and projected into the room. You hear music recreated in its proper position. And your expectations will be much higher from that moment on.

*Speaker Stands optional extra.
THINK OF IT AS A MUSICAL HOLOGRAM.
And you’re right in the middle of it. Imaging is actually 10-15% more focused than conventional speakers, so you can pinpoint instruments with striking accuracy. We’ve combined that improvement with a more spacious, natural musical ambience that envelops you in what we call the Spatial Sound Stage.

For instance, our small diameter dome tweeters cover a wider angle that gives you a livelier performance. Listen to cymbal crashes...brushwork...guitar transients...string sections...female vocals. Electrifying.

Woofers configurations on the other hand are all different to give you optimum, accurate bass in each model, without distortion.

But from bookshelf model to tower, each sleek, uncompromising design projects a stereo performance unlike anything you’ve heard before.

ALL RIGHT, WHAT’S THE ANGLE?
While the look is certainly distinctive, in this case form really does follow function. The speakers look like they’re leaning back because this design allows us to throw the music into the room with more precision so more people can enjoy it. The tilt effect minimizes sound diffraction and reflection for better stereo imaging and ambience.

All Holographic Imaging Speakers are designated left and right.

Models 1 and 2 could be considered "bookshelf"—used upright or on their sides—or on speaker stands. Ideal for apartments or smaller rooms. In both models, the acoustic suspension woofer (6" and 8" respectively) is on top—angled precisely to loft into the room for smooth, natural response without smudgy rolloff. The wide-dispersion tweeter sits below on an angled baffle for more focused imaging in a broader area.
Model 3 adds a 2½" midrange to the 8" woofer and low resonance tweeter. Phenomenal sound from a mid-sized speaker system, this is our most versatile design for room settings. Comes standard with floor spikes, increasing imaging stability.

Model 4 will exhilarate you with two 6" acoustic suspension woofers in addition to a ¾" tweeter. The second woofer is a high-Q, low-resonance system hidden below that fires up from its own sealed enclosure to blend with the other woofer for potent, deep bass.

Now stand back. Model 5 features one 8" woofer and Model 6 features two 8" woofers. They’re hiding below the head unit, mounted on an interior center panel. (See the cutaway drawing on the overleaf.) They fire into a sealed chamber to integrate flawlessly with the
midrange which is angled at the top. The tweeter sits between the midrange and woofers. Models 5 and 6 come standard with floor spikes. Other finish options are available—see your dealer.

**AR CAN BREAK THE RULES BECAUSE WE MADE THE RULES.**

You know our reputation for innovations. Four decades worth that have brought stereo to where it is today. Or should we say to where it was yesterday? Because today the Holographic Imaging Speaker takes us beyond conventional “stereo-filled” rooms. Beyond mere “sweet spots.”

To a wider area of clear, focused imaging than ever before. Wrapped in an ambience that swirls around you. For stereo enjoyment even we never imagined.

Listen.
<table>
<thead>
<tr>
<th>Type and Driver Complement</th>
<th>M1</th>
<th>M2</th>
<th>M3</th>
<th>M4</th>
<th>M5</th>
<th>M6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic three-way. One 5 3/4&quot; (193 mm) ferrite-coated, orthoradial dispersion, low-resistance soft ferrite cone (1.3 kHz to 20 kHz)</td>
<td>Dynamic three-way. One 5 3/4&quot; (193 mm) ferrite-coated, orthoradial dispersion, low-resistance soft ferrite cone (1.3 kHz to 20 kHz)</td>
<td>Dynamic three-way. One 5 3/4&quot; (193 mm) ferrite-coated, orthoradial dispersion, low-resistance soft ferrite cone (1.3 kHz to 20 kHz)</td>
<td>Dynamic three-way. One 5 3/4&quot; (193 mm) ferrite-coated, orthoradial dispersion, low-resistance soft ferrite cone (1.3 kHz to 20 kHz)</td>
<td>Dynamic three-way. One 5 3/4&quot; (193 mm) ferrite-coated, orthoradial dispersion, low-resistance soft ferrite cone (1.3 kHz to 20 kHz)</td>
<td>Dynamic three-way. One 5 3/4&quot; (193 mm) ferrite-coated, orthoradial dispersion, low-resistance soft ferrite cone (1.3 kHz to 20 kHz)</td>
<td></td>
</tr>
<tr>
<td>Dynamic two-way. One 3 5/8&quot; (93 mm) cone</td>
<td>Dynamic two-way. One 3 5/8&quot; (93 mm) cone</td>
<td>Dynamic two-way. One 3 5/8&quot; (93 mm) cone</td>
<td>Dynamic two-way. One 3 5/8&quot; (93 mm) cone</td>
<td>Dynamic two-way. One 3 5/8&quot; (93 mm) cone</td>
<td>Dynamic two-way. One 3 5/8&quot; (93 mm) cone</td>
<td></td>
</tr>
<tr>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td></td>
</tr>
<tr>
<td>One 8&quot; (203 mm) carbon/mica-filled polypropylene cone with natural-rubber surround, free-air resonance of 32 Hz</td>
<td>One 8&quot; (203 mm) carbon/mica-filled polypropylene cone with natural-rubber surround, free-air resonance of 32 Hz</td>
<td>One 8&quot; (203 mm) carbon/mica-filled polypropylene cone with natural-rubber surround, free-air resonance of 32 Hz</td>
<td>One 8&quot; (203 mm) carbon/mica-filled polypropylene cone with natural-rubber surround, free-air resonance of 32 Hz</td>
<td>One 8&quot; (203 mm) carbon/mica-filled polypropylene cone with natural-rubber surround, free-air resonance of 32 Hz</td>
<td>One 8&quot; (203 mm) carbon/mica-filled polypropylene cone with natural-rubber surround, free-air resonance of 32 Hz</td>
<td></td>
</tr>
<tr>
<td>One 3 5/8&quot; (93 mm) polypropylene cone</td>
<td>One 3 5/8&quot; (93 mm) polypropylene cone</td>
<td>One 3 5/8&quot; (93 mm) polypropylene cone</td>
<td>One 3 5/8&quot; (93 mm) polypropylene cone</td>
<td>One 3 5/8&quot; (93 mm) polypropylene cone</td>
<td>One 3 5/8&quot; (93 mm) polypropylene cone</td>
<td></td>
</tr>
<tr>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td>Acoustic suspension, high-style enclosure</td>
<td></td>
</tr>
</tbody>
</table>

### Crossovers

<table>
<thead>
<tr>
<th>Frequency Response</th>
<th>M3</th>
<th>M4</th>
<th>M5</th>
<th>M6</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
</tr>
<tr>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
<td>2 kHz to 24 kHz. 12 dB/octave highpass into tweeter (tweeter range begins &gt;1 octave above resonance)</td>
</tr>
<tr>
<td>1 kHz to 24 kHz. 12 dB/octave highpass into midrange</td>
<td>1 kHz to 24 kHz. 12 dB/octave highpass into midrange</td>
<td>1 kHz to 24 kHz. 12 dB/octave highpass into midrange</td>
<td>1 kHz to 24 kHz. 12 dB/octave highpass into midrange</td>
<td>1 kHz to 24 kHz. 12 dB/octave highpass into midrange</td>
</tr>
<tr>
<td>7 kHz to 24 kHz. 12 dB/octave highpass into tweeter, with mylar capacitors</td>
<td>7 kHz to 24 kHz. 12 dB/octave highpass into tweeter, with mylar capacitors</td>
<td>7 kHz to 24 kHz. 12 dB/octave highpass into tweeter, with mylar capacitors</td>
<td>7 kHz to 24 kHz. 12 dB/octave highpass into tweeter, with mylar capacitors</td>
<td>7 kHz to 24 kHz. 12 dB/octave highpass into tweeter, with mylar capacitors</td>
</tr>
<tr>
<td>Optimum phase driver crossover and haffe offsets</td>
<td>Optimum phase driver crossover and haffe offsets</td>
<td>Optimum phase driver crossover and haffe offsets</td>
<td>Optimum phase driver crossover and haffe offsets</td>
<td>Optimum phase driver crossover and haffe offsets</td>
</tr>
</tbody>
</table>

### Frequency Response

<table>
<thead>
<tr>
<th>Sensitivity</th>
<th>M3</th>
<th>M4</th>
<th>M5</th>
<th>M6</th>
</tr>
</thead>
<tbody>
<tr>
<td>88 dB SPL at 1 m in 2.83 V input</td>
<td>88 dB SPL at 1 m in 2.83 V input</td>
<td>88 dB SPL at 1 m in 2.83 V input</td>
<td>88 dB SPL at 1 m in 2.83 V input</td>
<td>88 dB SPL at 1 m in 2.83 V input</td>
</tr>
</tbody>
</table>

### Recommended Amplifier Requirements

<table>
<thead>
<tr>
<th>Amplifiers rated for 4-8 ohm impedance/Power output 10-100 watts</th>
<th>Amplifiers rated for 4-8 ohm impedance/Power output 10-100 watts</th>
<th>Amplifiers rated for 4-8 ohm impedance/Power output 10-100 watts</th>
<th>Amplifiers rated for 4-8 ohm impedance/Power output 10-100 watts</th>
<th>Amplifiers rated for 4-8 ohm impedance/Power output 10-100 watts</th>
</tr>
</thead>
</table>

### Dimensions

| H 18 3/4' (530 mm) W 9 3/4' (248 mm) x 8 1/4' (210 mm) | H 21 1/2' (546 mm) W 9 3/4' (248 mm) x 8 1/4' (210 mm) | H 21 1/2' (546 mm) W 9 3/4' (248 mm) x 8 1/4' (210 mm) | H 28 1/8' (714 mm) W 9 3/4' (248 mm) x 8 1/4' (210 mm) | H 28 1/8' (714 mm) W 9 3/4' (248 mm) x 8 1/4' (210 mm) |

### Weight

| Shipping Weight/Pair: 75 lbs/34 kg | Shipping Weight/Pair: 75 lbs/34 kg | Shipping Weight/Pair: 75 lbs/34 kg | Shipping Weight/Pair: 75 lbs/34 kg | Shipping Weight/Pair: 75 lbs/34 kg |

---

**Notes:**

- Note: Since it is the policy of Acoustic Research to continuously incorporate engineering improvements into its products, all specifications are subject to change without notice.
- The AR Warranty: A lot of loudspeaker manufacturers guard their systems against defects in parts and workmanship. So does Acoustic Research. But we do something that few other companies do. We guarantee our speaker performances within ±8% of their design specifications, for a full five years from the date of purchase.