



Truth in Listening

Listeners have gone to live concerts for about a thousand years, but only recently has technology made it possible for everyone to make music a part of daily life at home, at work, or at play.

We at AR have one simple objective: to bring all this music to everyone who wants to hear it. "All" means clearly, losing nothing, and adding nothing extraneous. To bring high fidelity to everyone means not only making loudspeaker systems that are nearly perfect, but working to make them as low in cost as possible, so that nobody is excluded from the enjoyment of the music they help to provide.

Making loudspeakers that are both technically superior and affordable is a tradition at AR. It is probably our best invention.

Accurate reproduction not just in the lab but in your home is the goal of AR design.

The AR9 and AR90 represent the highest standard of performance we know how to build into a loudspeaker system. Both systems employ the same vertical array of mid-range and high frequency components for precise stereophonic images, AR's Acoustic Blanket™ to absorb accidental and unwanted reflections from cabinet edges, and the dual, side-firing low-frequency driver design that makes the system largely independent of wall reflection effects. Both systems impressively reproduce new recordings mastered from digital tapes.

The AR91 and the AR92 also employ many of the design principles first used in the AR9. Both are 3-way systems designed to be placed on the floor. Placement of the bass driver in the cabinet, together with dimensions of the cabinet and the design of the crossover network, smooth out the low frequency dip in response which occurs in speakers less carefully thought out.



These modestly priced systems can match or surpass others costing much more.

The AR93 and AR94 incorporate many of the technical characteristics of higher-priced AR speaker systems, but are carefully designed to make these features available to music listeners at lower cost.

Our AR93 and AR9, as an example, vary considerably in price, but both employ dual side-mounted woofers that provide extended, and unusually smooth, bass performance in real listening rooms. In the AR94, two woofers and an all new tweeter are used unconventionally to create a unique three-way system.

These speakers do not have removable grilles and the decoration and finish details behind the grille cloth have been dispensed with; while this has been done mainly to reduce cost, it has also been turned to aesthetic advantage.

The AR93 represents as nearly ideal a combination of cost and performance as we are currently able to produce. In the words of internationally known audio critic Julian Hirsch, after his engineering and listening evaluation of the AR93 in Stereo Review Magazine, the "AR93 can make it possible for a very modestly priced music system to match or even surpass the sound of one costing many times as much." We are content to say that we know of no speaker system in its price range that combine the characteristics or approach the performance of the AR93.

The best selling speaker in our history now has company.

The important advantage of the acoustic suspension principle is that it packs exceptional bass performance and accuracy into a relatively small enclosure. This is probably one of the reasons that the AR18 became one of the most popular speakers AR has ever built. By any standard, price or performance, it represented outstanding value and it was, in fact, recognized as such by several of the leading audio testing authorities.

At AR we build nothing else but speaker systems, we spend a good deal of time looking for ways to improve their performance and durability using the latest state of the art materials. Research in the laboratories showed ways to further improve an already outstanding unit.

The result is a new family of bookshelf speakers — designated the AR18s, AR28s, AR38s and AR48s, which for quality, accuracy and overall smoothness are a match for any system in the AR range, and we believe offer superior listening qualities and performance to any comparably priced speakers we have heard.

As with all AR systems, the drivers and crossover networks of these four systems have been designed, built and thoroughly tested in our own factories.



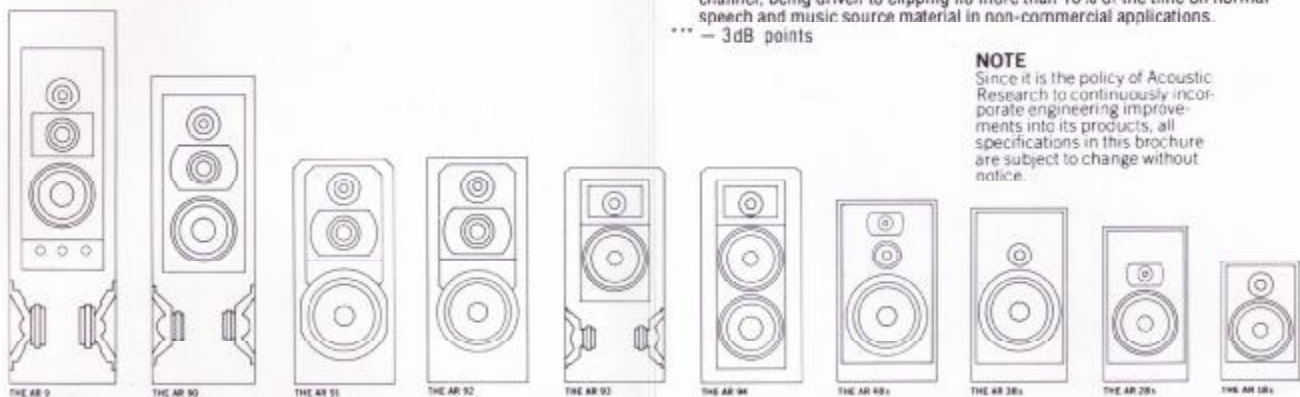
Specifications

	9	90	91	92	93	94	48s	38s	28s	18s
System † type	4 way 5 driver	4 way 5 driver	3 way 3 driver	3 way 3 driver	3 way 4 driver	3 way 3 driver	3 way 3 driver	2 way 2 driver	2 way 2 driver	2 way 2 driver
Drive units: Woofer:	2-12"	2-10"	12"	10"	2-8"	2-8"	10"	10"	8"	8"
Mid-range	8" 1½" dome ‡	8" 1½" dome ‡	1½" ‡ dome	1½" ‡ dome	8"	8"	4"	—	—	—
Tweeter: ‡	¾" dome	¾" dome	¾" dome	¾" dome	1¼" cone	1¼" cone	1" dome	1¼" cone	1" dome	1¼" cone
Efficiency*	87dB	87dB	87dB	87dB	87dB	87dB	87dB	86dB	87dB	88dB
Impedance Nominal (ohms)	4	4	4	4	6	6	6	8	6	8
Power watts per channel Minimum Maximum**	15 400	15 300	15 200	15 200	15 125	15 125	15 100	15 100	15 100	15 100
Frequency response Hz ***	28-25,000	32-25,000	35-25,000	44-25,000	44-22,000	44-22,000	45-22,000	45-22,000	50-24,000	62-22,000
Cabinet dimensions: HXWXD-inches	52¾ x 15 x 15 ¹³ / ₁₆	43¾ x 14½ x 15 ³ / ₁₆	31½ x 14 x 11 ⁷ / ₁₆	31¾ x 14 x 11 ⁷ / ₁₆	30¾ x 14 x 10¾	30¾ x 14 x 10¾	25 x 13 ⁹ / ₁₆ x 10 ¹⁵ / ₁₆	24 x 13½ x 10 ¹⁵ / ₁₆	21 ⁷ / ₁₆ x 11¾ x 7 ²⁷ / ₃₂	16½ x 9¾ x 6 ⁹ / ₁₆
millimeters	1340 x 380 x 402	1102 x 368 x 386	800 x 356 x 290	797 x 356 x 200	778 x 356 x 273	778 x 356 x 273	635 x 354 x 275	610 x 343 x 275	544 x 298 x 188	419 x 244 x 167
Cabinet finish	oiled walnut veneer	oiled walnut veneer	oiled walnut veneer	walnut veneer	black acoustic cloth	black acoustic cloth	walnut vinyl veneer	walnut vinyl veneer	walnut vinyl veneer	walnut vinyl veneer
Weight unpacked lb. kg.	130 59	82 37	53 24	46 21	50 23	43 20	38 17	32 14	24 11	13 6

†Acoustic Suspension
‡Magnetic fluid liquid cooling.

*Sound pressure level at 1 meter on axis for input of 1 watt
**May be used with amplifiers up to this amount of continuous power per channel; being driven to clipping no more than 10% of the time on normal speech and music source material in non-commercial applications.
*** - 3dB points

NOTE
Since it is the policy of Acoustic Research to continuously incorporate engineering improvements into its products, all specifications in this brochure are subject to change without notice.



THE AR 9

THE AR 90

THE AR 91

THE AR 92

THE AR 93

THE AR 94

THE AR 48s

THE AR 38s

THE AR 28s

THE AR 18s