

An articulate answer to the digital challenge.

A new standard For more than two decades, it has been one or another 10-inch 3-way acoustic suspension loudspeaker system that has caught the attention, and earned the respect, of serious listeners. When fully realized, this 'classic' size and configuration is an enlightened synthesis of high performance and the realities of fitting music into the home.

The L880 significantly advances this classic form. It delivers truly high performance from an intelligently-sized enclosure. Although the L880 will fit on a bookshelf, a whole series of technical innovations are responsible for a level of sonic performance that, just a few years ago, was not possible from a speaker of any size. The L880 sets a new performance standard for this important class of loudspeaker.

Digital heritage The L880 benefits from ADS' commitment to, and work with, digital technology in audio. The L880 has been designed from the outset to handle the increased demands that digital playback makes of a transducer. Its high output capability and wide dynamic range make real the full potential of these recording advances.

And because digital sources have lower noise and distortion levels than do their analog counterparts, a loudspeaker with sharper focus, better imaging, and greater definition is necessary. The L880 answers the digital challenge—and it is an articulate response.

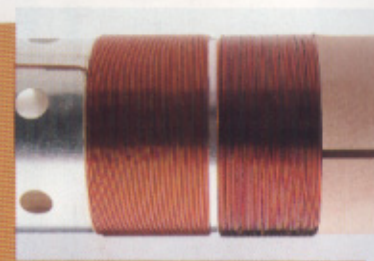
Precision and control The technology of the L880 starts with a very substantial advantage: the drivers are engineered and built totally by ADS. This assures a level of control and precision which ultimately provides a sonic credibility unapproachable by mass-produced drivers.



ADS StiffLite® Linear Drive® woofer The prodigious bass performance of the L880 is the result of three ADS innovations:

- 1 The new Linear Drive voice coil and magnet geometry controls and drives the woofer cone over the entire length of its travel; distortion is lower, and detail within a complex signal is clearer.
- 2 ADS' premium butyl rubber surround allows long, linear cone travel for clean, high-level output.
- 3 The unique StiffLite cone has a high rigidity-to-mass ratio that yields low coloration and exceptionally quick transient response.

The entire moving system is held in perfect alignment by a strong, cast aluminum basket. The L880's 250 mm/10 inch woofer offers bass response that is both powerful and agile.



The ADS Linear Drive woofer voice coil (left) is both longer and more smoothly wound than the typical woofer voice coil (right).



ADS woven soft-dome mid-range and tweeter ADS' woven soft-dome driver technology results in unsurpassed accuracy in mid- and high-frequency performance. The L880's 19 mm/0.75 inch tweeter and 50 mm/2.0 inch midrange driver are constructed of a flexible woven material that is both low in mass for excellent transient response and rigid for low distortion. The tweeter and midrange domes are sealed with a proprietary damping compound that improves the already superb damping of the domes. The perfectly wound, single-layer voice coils move in extremely narrow magnetic gaps which maximize the field strength of the barium ferrite magnets. In addition, a high-gravity magnetic cooling fluid extends the tweeter's dynamic range and raises its maximum output capability.



The L880 is finished either in matte black or in straight-grain walnut veneers with solid walnut corner bolsters.



ADS high-accuracy crossover network The L880's crossover network is as exactly constructed as its drivers. ADS uses only computer-grade, tight tolerance components. Elegant electrical design and high component quality provide high efficiency, precise stereo imaging and finely-drawn sonic detail. The rugged construction of the crossover assures a lifetime of dependable, accurate performance.

A fully-developed system The acoustic importance of the L880's cabinet has been fully considered. Heavy internal bracing behind the flush front panel eliminates sidewall flexing. Flush mounted drivers and a frameless, acoustically-transparent metal grille maintain high-frequency waveform integrity. The finishes are meticulous.

A good idea made better The L880 is truly a monitor speaker for the home. For the serious listener, it is a sound investment in loudspeaker technology and an invitation to a new level of musical enjoyment.

The L880's are shown on optional F8 stands.



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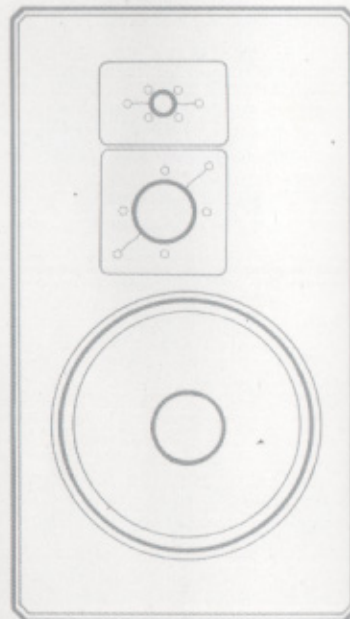
L880 specifications.

About ADS ADS, Analog & Digital Systems, is an expanding young high-technology American company with roots in European craftsmanship and design. At ADS, advanced technology is always at the service of musical enjoyment, and it is always firmly grounded in the sciences of physics, chemistry and acoustics.

Because many of the most respected digital recordings are made using ADS speakers as monitors, ADS has been able to develop and refine driver and crossover technology interactively with these new digital processes.

ADS offers a carefully thought out line of loudspeakers and electronic components for the home, for professional applications and for automotive use. Atelier components express a particularly human approach to high fidelity; their modular design will grow with advancing technologies. Combining the design talents of ADS in the United States and its sister company, Braun Electronic in West Germany, ADS products have consistently received high critical acclaim and have won many coveted design and engineering awards.

For the technically minded
The thoroughness of the engineering, the choices of methods and materials, and the high level of precision in each ADS loudspeaker make a fascinating story. A detailed 'technical perspective' on ADS speakers is available from your dealer or directly from ADS.



Frequency response	40-27,000 Hz, ± 3 dB.
Impedance	8 Ohms, nominal.
Efficiency	89 dB SPL from 2.8 VRMS ("1 Watt") pink noise input, measured at 1 meter in typical listening room.
Driver complement	<ul style="list-style-type: none">One 19mm/0.75" woven soft-dome tweeter with proprietary damping. Wet wound, single layer, high temperature voice coil assembly. Magnetic fluid cooling.One 50mm/2.0" woven soft-dome midrange with proprietary damping. Wet wound, single layer, high temperature voice coil assembly.One 250mm/10" cast basket, high compliance woofer with tapered, damped Stiffite[®] cone, and butyl rubber surround. Wet wound, two layer, high temperature, Linear Drive voice coil assembly in extended-pole magnet structure.
Crossovers	550 Hz and 5000 Hz. High efficiency, tight-tolerance design with 12 dB/Octave slopes.
Tweeter level control	Two-position switch, 0 and + 1.5 dB.
Driver protection	Tweeter — type 3AG 1.6 Amp fuse. Midrange — type 3AG 2.5 Amp fuse.
Power rating	200 Watts maximum peak program.
Recommended amplifier power	15 Watts minimum, 200 Watts maximum.
Input connectors	Color-coded, multi-way binding post terminals.
Enclosure type	Acoustic suspension, with glass fiber damping.
Enclosure construction	19mm/0.75" thick, high density compressed wood with internal bracing. Diffraction-corrected flush front baffle and flush driver mounting.
Finishes	Select, straight-grain, genuine walnut veneer with solid walnut corner bolsters, or matte black PVC laminate.
Grille	Acoustically transparent, frameless, perforated steel with matte black finish.
Dimensions	585mm/23.1" H x 330mm/13.0" W x 295mm/11.7" D. Grille adds 25mm/1" to depth.
Weight	19 kg/41 lb.
Optional accessories	F8 Floor stand. F9P Professional floor stand.

Specifications subject to change without notice.



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