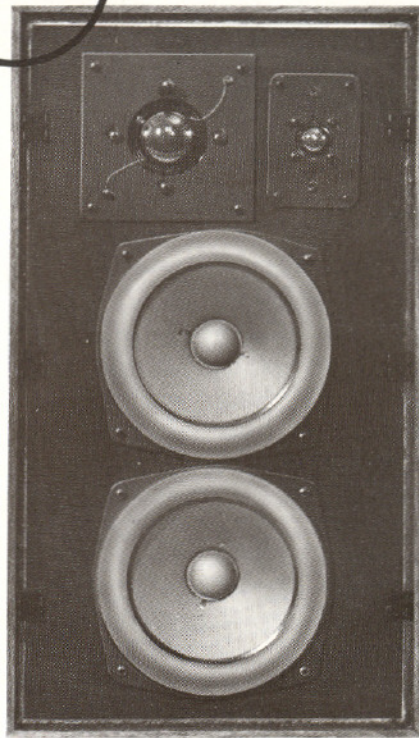


ADS L710



The ADS L710 is a four-driver, three-way speaker with exceptionally smooth, wide-range frequency and power response. It's an extremely accurate, high-performance system still compact enough for bookshelf placement.

This no-compromise speaker for the discerning listener is amazingly neutral and open-sounding, and features an exceptionally stable stereo image. The precision begins with refined driver technology and thorough system integration in a speaker with truly flawless performance.

The Tweeter.

The L710 uses the same 1" diameter soft-dome tweeter as our most expensive unit. It provides unprecedented open clarity, super-wide dispersion and ultra-smooth frequency response.

There is no other tweeter on the market that moves so accurately and with so little distortion. We have accomplished this feat with a strong magnetic field of 15,000 Gauss driving a dome weighing a mere 0.2 grams.

By suspending our tissue dome in its own sealed acoustic chamber and damping out resonances with a unique fluid, we have eliminated the distorting break-up so common in conventional tweeters.

At the same time, this design lets our tweeter handle musical transients and details with faithful, concert-hall-like reproduction. In spite of its light weight, the 1" dome

tolerates substantial amounts of power, radiating excess heat into the massive 1.2 pound magnet. The tweeter covers a frequency range from 4000 Hz to beyond audibility with ultra-fast response.

The Midrange Driver.

Critically important midrange sounds are the most difficult to reproduce faithfully. Conventional speakers often lose much detail here, including many subtleties of the human voice.

The ADS L710 has none of these limitations. Our fabulous 2" soft-dome midrange driver features a five pound magnet. It's costly, but it's well worth it. The single layer voice coil with our unique tissue dome weighs a scant 2.5 grams. It's completely sealed and damped to provide an acoustic suspension system. The result is amplifier-like, ultra-low distortion.

Throughout the assigned frequency range of 550-4000 Hz, our midrange driver provides smooth handling of both frequency and power response. Dispersion is extremely wide—enabling this superb driver to radiate up to nine times the power of its conventional counterpart with equal diameter and for a given on-axis sound pressure level.

Audibly, the above features translate into a super-wide stereo listening area, proper tonal balance on and off axis, and the absence of "honkyness" or a strident and fatiguing sound quality.



2 INCH SOFT DOME MIDRANGE DRIVER

The Woofers.

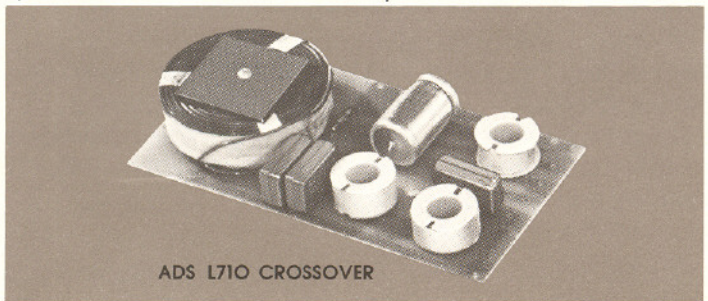
Exceptional transient response is extended into the bass range by a pair of 7" woofers, which move as much air as a single 10" woofer. The cones are extremely light and exhibit excellent tone burst response for clean bass reproduction, even below 30 Hz.

The L710 woofers are made of an exclusive cone compound that's extremely rigid at low frequencies, yet self-damping at higher ones to deliver a complete absence of coloration. Because of exceptionally long excursion, the woofers can really move air at very low frequencies. Our narrow gap voice system uses the latest high-temperature, split aluminum bobbin technology. This design, and a 9500 Gauss magnet structure, means the ultimate in efficiency. The soft, accurate skiver and high compliance surround give our woofer free air resonance frequencies of an incredible 25 Hz. And our woofer dual concept provides exceptional transient response, high power handling capability, and excellent efficiency down to the lowest note.

The System.

Correct matching of the woofers to the cabinet gets the most from these drivers' built-in performance. Great attention is devoted to proper driver spacing and the design of the crossover network.

The complex twelve element network in the L710 works with saturation-free air core inductors for wide, linear dynamic range. The largest coil in the network contains over 18 ounces of copper! In addition, we use computer-grade metallized Mylar film capacitors for long-term stability of frequency response and low losses. The crossover contributes to the L710's exceptional transient response, efficiency, and never-changing tonal balance. Because these woofers are designed for optimum performance in a compact cabinet, the L710 is one of the most accomplished high performance compact speakers on the market today.



ADS L710 CROSSOVER

ADS L710 Specifications

DRIVER COMPLEMENT

One 1" diameter acoustic suspension, soft tissue dome tweeter

Magnetic field, 15,000 Gauss

Magnetic flux, 36,000 Maxwell

1.2 lb. magnet, 1" voice coil

Usable frequency range, 1200-25,000 Hz

Used frequency range, 4000-25,000 Hz

One 2" diameter acoustic suspension, soft tissue dome midrange

Magnetic field, 15,000 Gauss

Magnetic flux, 136,000 Maxwell

5 lb. magnet, 2" diameter single layer voice coil

Usable frequency range, 300-6000 Hz

Used frequency range, 550-4000 Hz

Two 7" diameter long excursion, high compliance woofers

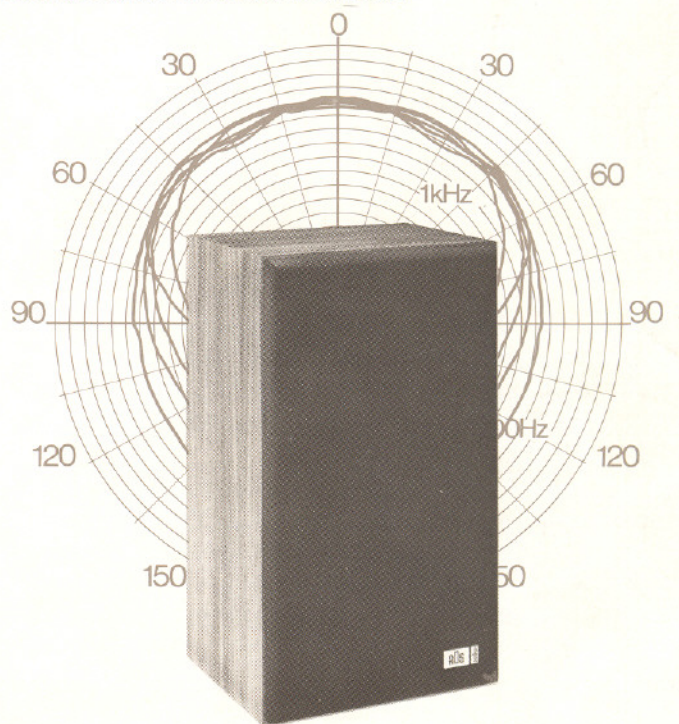
Magnetic field, 9500 Gauss

Magnetic flux, 45,000 Maxwell

Resonant frequency (free air), 25 Hz

1" diameter high temperature metal voice coil with split aluminum bobbin

SPEAKER DISPERSION AT VARIOUS FREQUENCIES



ADS L 710

SPEAKER SYSTEM

Frequency response, 25-25,000 Hz (DIN)

Impedance, 4 Ohms minimum

Efficiency, 87 dB SPL at 2 Watt input at 10 ft. distance

Recommended amplifier power, 15 Watt minimum

Crossover frequencies, 550-4000 Hz

Crossover slope, 12 dB/Octave

Weight, 38 lbs. net

Size, 21-5/8"(H) x 12-1/4"(W) x 10-1/2"(D)

Cabinet finish, Selected natural walnut

Grille, Removable black double knit or beige cloth.