M 20 /
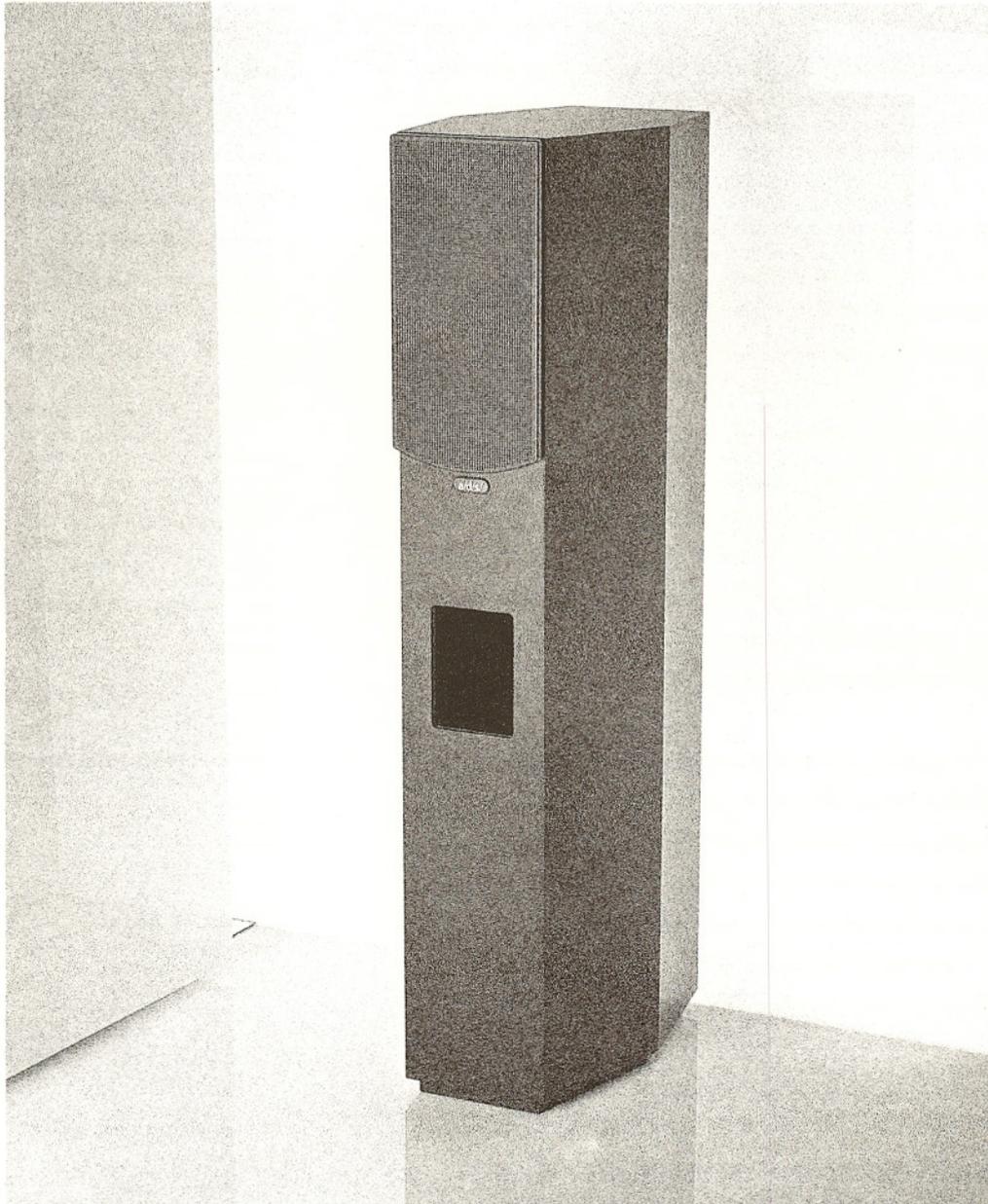
Reference monitor loudspeaker

The digital age places new demands on the design of high-end loudspeakers. Speakers must now reproduce both subtle musical nuances *and* challenging dynamic range. In response, a/d/s/ proudly introduces the finest a/d/s/ speaker ever built, the M20 reference monitor. With its blend of rich sound, high output , and world-class design, the M20 sets a new standard for audiophile loudspeakers.

a/d/s/ all music.

what's new /

M 20

Starting with already impressive technology, a/d/s/ has redesigned every component in the M20 for higher output, lower distortion, and increased definition. A new version of the classic a/d/s/ copolymer tweeter has a high-energy magnet structure attached to a solid metal plate to provide both power and mechanical rigidity. The new 6" copolymer midrange features a low-diffraction basket along with a massive motor assembly. As a result, the M20 reproduces the most critical frequencies with detail, cohesiveness, and ease uncommon among even the finest speakers.

Two high-power 8" bass drivers with 1-1/2" Kapton® voice coils in a bandpass enclosure provide a powerful musical foundation. Although complex and difficult to build, the bandpass configuration provides the best of both worlds—the bass extension of a sealed cabinet and the efficiency of a vented enclosure. It also generates the lowest possible cone excursion for a given output. As a result, the bass response of the M20 is deep, tight, and physical.

The crossovers in the M20 produce equally impressive results. 24dB per octave filters prevent driver overlap for increased power handling and consistent dispersion. A Linkwitz-Riley alignment assures no audible phase shift and special impedance equalization presents an easily-driven constant resistive load. Two separate crossover boards both eliminate electrical interaction and simplify bi-wiring to take advantage of today's esoteric audio cables.

Even the cabinet of the M20 contributes to its remarkable clarity and precise imaging. The narrow front baffle prevents unwanted diffraction. Non-square walls and rigid bracing reduce cabinet coloration. And thin frameless metal grilles allow the unrestricted transmission of sound. All of this technology, combined with a stunning shape and rosewood, walnut or matte black finishes, makes the M20 a worthy addition to any music lover's home. Listen to the M20 Reference monitor and hear music reproduced like you've never heard before.

specifications

Driver complement:
- One 25mm/1" copolymer dome tweeter with oversize magnet and metal mounting plate. Oxygen-free copper voice coil on Kapton former. High-gravity magnetic cooling fluid.
- One 150mm/6" copolymer midrange with butyl rubber surround. Oxygen-free copper voice coil on stainless steel former.
- Two 215mm/8" copolymer woofers with butyl rubber surrounds and oversize magnets. 37mm/1-1/2" oxygen-free copper voice coils on Kapton formers.

Frequency response: 23-22,000Hz, ±3dB.

Impedance: 4 Ohms, nominal.

Efficiency: 91dB SPL from 2.8 VRMS ("1 Watt") pink noise input, measured at 1 meter in a typical listening room.

Maximum output: 115dB

Crossovers: 200Hz and 2500Hz. Linkwitz-Riley design with 24dB per octave slopes. Impedance equalization with constant resistive load. Dual isolated circuit boards and bi-wire capability.

Tweeter protection: Fully automatic, solid-state protector.

Recommended amplifier power: 20 Watts minimum, 250 Watts maximum.

Input connectors: Dual color coded, multi-way binding posts. Terminals accept banana plugs or wire up to 7 gauge. Bi-wire ready.

Enclosure type: Dual-tuned bandpass design. High density, compressed wood with internal bracing. Narrow front baffle and flush driver mounting.

Finish: Rosewood, Walnut, or Matte black finish.

Grille: Acoustically transparent, frameless perforated steel.

Dimensions: 1100mm/43.3" h x 265mm/10.4" w x 420mm/16.5" d. Shipping weight: 40kg/88 lbs.

a/d/s/ all music.