

ProAc STUDIO 200



A new benchmark in loudspeaker design.

The current flagship of the new Studio range, the floorstanding Studio 200 establishes a new benchmark in loudspeaker design at this price level. Combining the very latest components and technology with innovative cabinet and crossover design, the 200 delivers exceptional finesse and transparency, characterised by a superbly natural and uncoloured sound. To a significant degree, this sound quality results from the imaginative construction of the cabinets themselves. By using walls of precisely calculated non-uniform thicknesses and a newly-developed damping technique, the cabinets are rendered almost totally inert, free from unwanted resonances and attendant colouration. This new concept in cabinet design provides a solid platform from which the drive units are able to function at optimum levels.

The combination of drive units is critical. Two dedicated ProAc 7" bass/midrange drivers working in tandem with a 1" soft fabric dome provide seamless coverage of the frequency spectrum, facilitated by the precise control of a sophisticated crossover network. The careful positioning of the drive units on the baffle affords a spacious soundstage with pinpoint imagery. A further innovation is the new single equalised reflex port which adds a new dimension in bass refinement, generating exceptional extension but maintaining a crisp attacking quality.

With a split crossover enabling both bi-wiring and bi-amplification, the Studio 200's will provide many years of high level listening satisfaction. The unique cabinet design is a result of long experimentation in combining walls of varying densities and thicknesses. This, linked to the careful application of a new heavy damping material, has resulted in the development of a cabinet which is almost entirely non-resonant,



contributing greatly to the neutrality of the overall sound. The bass performance of the 200's is exceptional. Long-excursion ProAc bass units with 40mm voice coils and high temperature formers, operating within the generous cabinet volume of this design, produce extended and controlled bass with superb power handling and reliability. Further, the high linearity of the motor system in these drive units guarantees exceptionally low distortion. Bass quality is enhanced by the large reflex port which aids efficiency and extension whilst ensuring a tight and dynamic bass quality.

Complementing the bass units is a remarkable tweeter. This 1" ProAc soft dome design is exceptional by any standards. The dome itself, fashioned from a silk-like material, is extraordinarily light and exhibits outstanding transient capabilities. A new ferrofluid coil assembly provides this unit with optimum damping and power handling, whilst a special rear chamber loading further enhances frequency response. Specially designed for the Studio 200, the new split crossover uses only the finest materials including our own high quality oxygen-free copper wire. Superpower inductors and resistors, mounted on a high-grade thick film crossover board, bolt directly to the rhodium terminals thus providing a highly efficient signal path.

The Studio 200 is supplied with plynths which are screwed into the base of the cabinets and large spikes which provide good floor coupling and stability. Each cabinet has a small cavity which may be filled with silver sand to fine-tune the bass response. In most listening environments such modification will not be necessary since the cabinet damping will ensure optimum performance. However in exceptionally warm rooms it may be desirable to use this facility to tighten the bass.

An impressively large soundstage means that the cabinets may be sited up to as much as 14 feet apart, angled in towards the listener for best results. However, the mirror image offset configuration of the drive units allows great flexibility, and it is possible to angle the cabinets outwards to allow larger audiences to experience the soundstage and imagery. It is strongly recommended that only ancillary equipment of the very highest quality be used with the new Studio 200.

SPECIFICATION

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| Nominal Impedance: | 8 ohms |
| Recommended Amplifiers: | 40 to 250 watts |
| Frequency Response: | 28hz to 25Khz |
| Sensitivity: | 90db linear for 1 watt at 1 metre |
| Bass/Midrange Driver: | 7" (178mm) cast magnesium frame with special pole plug. |
| Tweeter: | 1" (25mm) soft fabric dome with rear loading and ferrofluid damping. |
| Crossover: | Highest quality components mounted on a high grade circuit board. |
| Dimensions: | 46" (1168mm) high (on plinth). 9" (229mm) wide 11" (279mm) deep |
| Weight: | 80lbs (36kg)/cabinet |
| Mode: | Floorstanding with plynth and spikes. |
| Grille: | Acoustically transparent crimplene. |
| Finish: | Teak, Walnut and Black Ash as standard, others to order. |

* Due to our policy of continuous improvement all specifications are subject to change without notice.