



FH007 Mini System - Data Sheet

Overview

The Ferguson Hill FH007 mini system consists of the following components:

One pair of Transparent Front loaded Horn Dipole Loudspeakers

With a nominal impedance of 8 Ohms

Each speaker has dimensions of 43cm x 26 cm x 18cm (H x W x D)

One pair of Transparent Spherical Bass Loudspeakers

With a nominal impedance of 8 Ohms

Each speaker is a sphere of 20cm diameter

Integrated Hi-Fi Amplifier with initial Class A mode

Consisting of two sets of Bi-Amp Class A/B Amplifiers

All amplifier sections operate in Class A mode for the first 1.5 Watts of output to provide the purest signal, free of crossover distortion

The Horn amplifier is a full range 16 Watt amplifier with no crossover as each unit is driven separately by its own dedicated amplifier

The Amplifier is mains powered, the total power consumption being 160 W

The Bass amplifier is a 16 Watt amplifier with an active crossover @ 340 Hz

Bass level fine tuning adjustment of ± 6 dB

Inputs: Stereo Phono and Stereo mini jack

The amplifier is a cube, with each side being 14 cm

Frequency response of system: 75 Hz – 20 KHz ± 5 dB



Application

The FH007 is a miniature version of the £20,000 combined FH001, FH002 and FH003 system, but developed for a wider audience and for a wider range of applications. It has been designed to operate as a compact hi-fi system in conjunction with a CD or DVD player, or as a high end amplifier/speaker upgrade for an MP3 player or Executive PC in the Office or Study. The other key consideration that went into the design process was to make a system that was small enough to be used on a desk top, whilst maintaining the high end ideals of the large system.

Backgrounder

The product was designed embracing the typical Ferguson Hill methodology – in other words with no compromise on the R&D process. Every component of design has been focused on the sole aim of maximising sound quality within the given constraints of size, aesthetics and cost.

Tim Hill, the Managing Director and Chief Designer of the FH007, based the horn design on detailed curvature calculations to achieve optimum sound efficiency and dispersion. Tim's unique combination of design skills was derived from his Aeronautical Engineering expertise on the optimum flow of air over complex 3D surfaces and 25 years of designing hi-fi and acoustic guitars. The horn shape provides the best mechanical impedance match between the moving drive unit cone and the air in the room. The actual shape and profile consisting of complex compound curves, was worked out after consideration of a number of factors. The profile along its forward axis gives a smoothly expanding shape for the sound pressure waves. The gradual change from circular to oval gives a very non resonant structure to the horn.



The result is a product that needs minimal amplification for high volumes, whilst operating in the pure Class A mode at normal listening levels. The loudspeaker drive units were custom designed and took over 12 months of refinement before the right configuration was reached.

Great attention went into the injection moulding of the clear acrylic to produce a design that was both audibly and aesthetically pleasing. Again, this went through several design iterations before the final production process was agreed. The electronics components selected are of high tolerance and of unusually high quality. For instance, the capacitors chosen are considerably over specified for a life expectancy of at least 10 years rather than the normal two years. To summarise, the product has undergone extensive Quality Assurance and performance tests to ensure longevity well beyond traditional hi-fi products of this price range.

Availability and Pricing

The product will be sold exclusively through The Pleasure Home in the UK, to a select group of Resellers, Architects, Interior Designers and Home Cinema installers. The recommended retail price is £599 with availability from September 1st, 2006.



The Pleasure Home



The Pleasure Home is the consumer products division of LEARS International Limited, focused on hi-tech products for the home - that not only technically perform but look stunning in any home. For further details and photos please contact Paul Kasler on 020 8420 4333 or pk@thepleasurehome.com (www.thepleasurehome.com)