

The MonoPulse Model S Standmount.

Design Objective. MonoPulse loudspeakers have the objective of realism, with precise image and sound-stage. This is done by a unique synchronism of the all-important impulses and musical leading-edges in sounds.

The Model S Standmount is also a top quality hi-fi loudspeaker. It features Kevlar-coned MF/LF units giving 250 watts, and bass down to 29Hz. The 28mm, silk-domed, neodymium HF units have a top end of 22kHz.

Description. To achieve impulse synchronism, MonoPulse uniquely and precisely offsets its drive-units, and combines them with patented asymmetric crossovers. These use only film capacitors and air-spaced coils.

The HF circuits are fourth-order, with 24dB per octave attenuation from 3kHz, giving superb protection of the HF drive units. The LF crossovers are first order.

The bass response of the 135mm, Kevlar-coned, LF units are extended with a reflex tuning point at 38Hz, giving an in-room response down to 29Hz.

Listening Height and Adjustment. Also see overleaf. The design stand height is 50cm. With this, impulse accuracy is optimised at a listening ear-height of 90 cm - typical for a low sofa or chair.

For other stands or listening heights, impulse timing can be adjusted with BluTack or similar. Each 2mm difference in front/rear thickness will raise/lower the optimal listening point by 3cm. This way, absolute accuracy of acoustic focus can be maintained.

If significantly outside this accuracy, they will perform as normal hi-fi loudspeakers.

Positioning for Bass. With the units on 50cm stands, the centres of the LF units are 85cm from the floor. So try to avoid making the distance to side walls or the rear wall also 85cm. Also make them different from each other if possible.

Close to a rear wall is OK, if they are over 50 centimetres from side walls - or vice versa. Leave a 5cm gap to a rear wall for the port to breathe.

However - most speakers are not able to be sited ideally, so this is a guide to doing the best.

Position and Imaging. A normal placement is with the units about 2.5 metres apart at a listening distance of about 3 metres.

The MonoPulse impulse accuracy can also give excellent central imaging with the units further apart or nearer the listener than normal. This ability can be useful if there are positioning problems, particularly in small rooms.

3 metres apart at a distance to the centre point of just 2 metres, taking the units into peripheral view, can give a dramatically wide sound-stage, while the MonoPulse precision maintains accurate central imaging.

Cables and Connections. The terminal panel will take 4mm plugs, 7mm spades, or 5mm bare wire. The HF terminals are the upper ones, the LF the lower, and the units can thus be bi-wired or bi-amped.

The interconnections needed will depend on the system and the layout - please consult your dealer.

Running in. We recommend that the speakers are run in for at least 50 hours at the intended listening volume.

Warranty and Repairs. MonoPulse loudspeakers are covered by a one year warranty. In the unlikely event of overheating damage to an HF unit which is protected by a fourth-order filter, access is by removal of the rear terminal panel.

The LF unit can be replaced by a competent repairer. For spares & repairs, contact your dealer.

Other specifications. Impedance is 8 ohms. Power handling, 250 watts maximum, 125 watts continuous. Sensitivity 89dB. Height 48cm. Width 18cm. Depth 23cm. Weight 7Kg per unit.