

## The MonoPulse Model S Floorstander.

**Design Objective.** All MonoPulse loudspeakers have the primary objective of realism and holographic imaging by precise synchronism of the impulses and musical leading edges in sounds.

The Model S is also a top quality hi-fi loudspeaker in all other respects, featuring 25Hz bass and 250 watt maximum power handling.

**Description.** To achieve realism, MonoPulse uses a unique technique, precisely offsetting its drive-units, then combining them with a patented asymmetric crossover, using only film capacitors and air-spaced coils.

The 28mm silk-domed HF units operate up to 22kHz. They are well protected by fourth-order HF circuits, giving 24dB per octave attenuation from 3.5kHz downwards.

The LF crossovers are first order. The bass response of the Kevlar-coned, 160mm, LF units, in generous box volumes, is extended with reflex tuning points at 39Hz, giving an in-room response down to 25Hz.

**Setting up.** Use the handle at the rear of the enclosure. Insert the spikes.

**Positioning for Bass.** The centre of the LF unit is 75cm from the floor. So try to avoid having the speakers 75cm from side walls, and/or 75cm from the rear wall.

If possible, make these distances one greater and one less than 75cm. Close to a rear wall is OK, if they are about 1.5 metres or over from side walls - or vice versa.

Few loudspeakers are able to be sited ideally, so this is a guide to doing the best. If there is unwanted bass emphasis, we can supply (FOC) bass damping tubes to be fitted in the bass ports.

**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 will also give excellent central imaging with the units further apart or closer in than normal. This ability can be useful if there are positioning problems in small rooms.

**Adjustment for Listening Height.** The Model S floorstander focus of impulse synchronism is at a listening height of 90cm – perfect for a low sofa or chair.

For a higher position, adjustment can be made by tilting the units slightly backwards. A 7.5mm front/rear spike length difference, raises the focus by 10cm at 3 metres distance. This way, very exact acoustic focus can be maintained.

Nylon “spikes” with more rounded ends can also be supplied. These are more suitable if the units are being placed on hardwood floors. Spikes should only be locked hand-tight.

**Cables and Connections.** The terminal panels will take 4mm plugs, 7mm spades, or 5mm bare wire.

If using plugs, for quick temporary connection, remove the coloured bungs, but for permanent placement use the holes in the posts and lock the plugs down with the screwed caps.

The HF terminals are the upper ones, the LF the lower, and the units can thus be bi-wired or bi-amped.

The interconnection cables 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.** MonoPulse loudspeakers are covered by a one year warranty.

**Repairs.** In the unlikely event of overheating damage to an HF unit protected by a fourth-order filter, access is by removal of the rear handle.

The LF unit can be replaced by a competent repairer.

For spare HF units and other repairs, contact your dealer.

**Specifications.** Impedance, 8 ohms. Power, 250 watts maximum, 150 watts continuous. Sensitivity 90dB.

Height 91cm. Width 18cm. Depth 20cm. Weight 11Kg per unit.