

## The MonoPulse Model S Floorstander.

**Design Objective.** MonoPulse loudspeakers have the primary objective of realism and holographic imaging. This is done 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. The LF features 25Hz bass with 300 watt power handling. This is combined with 28mm silk-domed HF units which operate up to 22kHz.

**Description.** To achieve its realism, MonoPulse uses a unique technique. Patented asymmetric crossovers, using only film capacitors and air-spaced coils, are coupled to drive-units specially offset to the millimetre.

The HF units are well protected by fourth-order HF circuits, giving 24dB per octave attenuation from 3.5kHz. 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.

### **Extending spikes. DO NOT STAND SPEAKER UPRIGHT UNTIL THESE ARE EXTENDED.**

Needs a 10mm spanner. Invert the speakers on a soft surface. Remove the four unattached bolts in the base. Loosen the ones holding the legs. Swivel the legs outwards and re-insert the free bolts through the centre holes in the legs. Tighten all. Put in the spikes, with the locking nuts above and below the legs.

**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, this can be reduced by lowering the speakers on the spikes. We can also supply (FOC) bass damping tubes to be fitted in the bass ports.

**Position and Imaging.** Also see "Listening" overleaf or on web site. A normal placement is with the units about 2.5 metres apart at a listening distance of about 3 metres. MonoPulse will also give excellent imaging with the units further apart or closer in than normal. This can be useful if there are 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 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 the protected HF unit, access is by the rear handle. The LF unit can be replaced by a competent repairer. For spare HF units and other repairs, contact your dealer.

**Outline Specifications.** Impedance, 8 ohms. Power, 300 watts maximum, 150 watts continuous.

Sensitivity 90dB. Height 90cm. Width 18cm. Depth 20cm. Weight 11Kg per unit.