

## The MonoPulse Model 22.

**Design Objective.** All MonoPulse loudspeakers have the primary objective of realism and precise imaging. This is achieved by their unrivalled synchronism of the all-important impulses and musical leading edges in sounds.

The Model 22 is also a top quality hi-fi loudspeaker in all other respects, featuring a bass response down to 38Hz, and an advanced HF unit with a response up to an amazing 30kHz.

**Description.** To achieve this time-domain accuracy, the MonoPulse 22 has precision-spaced drive-units combined with a unique and patented asymmetric crossover, using only film capacitors and air-spaced coils.

The HF circuit is fourth-order, with 24dB per octave attenuation from 4kHz. This gives superb protection of the 28mm, ferrofluid cooled, silk domed, Neodymium magnet, aluminium-wound, HF unit, which operates up through to 30kHz. The LF crossover is first order. The bass response of the 135mm, Kevlar coned, LF unit is extended with a reflex tuning point at 49Hz, giving an in-room response down to 38Hz. This bass alignment is sub-flat, to meet the likely preferences of audiophile equipment owners.

**Room Positioning.** Try to avoid having the speakers the same distance from the floor, side walls, and rear walls. Try to make these distances different. Close to a rear wall is OK, if they are away from side walls - or vice versa. But remember, 80% of loudspeakers are not able to be sited ideally, so this is just a guide to doing the best.

**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.** MonoPulse loudspeakers are covered by a one year warranty.

**Repairs.** 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 easily be replaced by a competent repairer. For spare HF units and other repairs, contact your dealer.

**Other specifications.** Nominal impedance is 8 ohms, minimum 7 ohms. Power handling, 250 watts maximum, 125 watts continuous. Sensitivity 89dB. Height 43cm. Width 17.5cm. Depth 20cm. Weight 7Kg per unit.



### Design Objective.

All MonoPulse loudspeakers have the primary objective of realism and precise imaging by time-domain synchronism of the impulses and musical leading edges in sounds.

The Model 22C is also a top quality hi-fi loudspeaker in all other respects.

### Description.

To achieve this time-domain accuracy, the MonoPulse 22C has precision-spaced drive-units combined with a unique and patented asymmetric crossover, using only film capacitors and air-spaced coils.

The HF circuit is fourth-order, with 24dB per octave attenuation from 4kHz. This gives superb protection of the 28mm, aluminium-wound & silk-domed, Neodymium magnet HF unit, which operates up through to 30kHz.

The LF crossover is first order. The bass response of the 135mm, Kevlar coned, LF unit, in a matching box volume, is extended with a reflex tuning point at 44Hz, giving an in-room response down to 34Hz. This bass alignment is sub-flat, to meet the likely preferences of audiophile equipment owners.

### Positioning.

Place the unit centrally, and try to avoid having it the same distance from the floor and the rear wall. The unit can be placed on the flat against a rear wall.

The Model 22C has its reflex port on the left-hand end and this needs some space around it. Try to give at least 10centimetres clearance.

In general, the non-resonant characteristics of the Model 22C will help with any room resonance problems.

### Mounting.

The Model 22C is supplied with non-adjustable rubber feet. Use of a small amount of semi-flexible mounting material, such as Blu Tack, under these feet will improve stability.

### Cables and Connections.

The terminal panel will take 4mm plugs, 7mm spades, or 5mm bare wire.

The unit can be bi-wired or bi-amped.

The pair of terminals to the left, nearest the serial number label, are connected to the HF unit, the other terminals to the LF unit.

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.

MonoPulse loudspeakers are covered by a one year warranty.

### Repairs.

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 easily be replaced by a competent repairer.

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

### Other specifications.

Nominal impedance 8 ohms, minimum 7 ohms. Power handling, 250 watts maximum, 125 watts continuous. Sensitivity 89dB. Height 19cm. Width 45cm. Depth 20cm. Weight 5Kg.