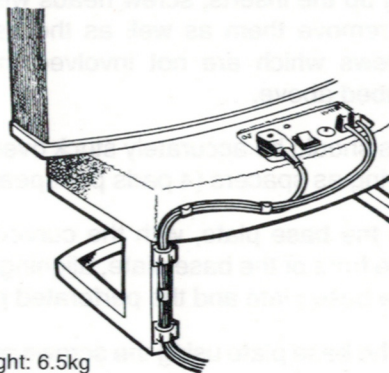


11. After installation of the loudspeaker on the stand, and while the assembly is still inverted, insert the four spiked screws slot head first into the threaded inserts in the lower frame. The screws should be tightened until just 5.00mm of the threaded section projects. If desired, the performance may be maximised by using a thread locking compound on the spike screws. A small quantity of mastic or Blu Tak may be pressed into the screw threads before insertion, or a proprietary semi-permanent locking substance such as Loctite 'Screw Lok' may be used. Alternatively, the lock nuts may be used to fix the spike positions.
12. Place the speaker and stand upright on the floor, and experiment to find the optimum location. Our experience suggests 0.7m to 2.0m from the rear wall—the further the better—and 0.3m to 1.0m from the side walls, depending on the room width. Carpet is to be preferred under the speakers. When complete and adjusted, fit the plastic blanking caps in the feet adjustment holes in the frame to obtain a neat appearance.
13. Once ideally positioned, apply body weight gently to the assembly to drive the points through the carpet to lock the frame to the floor. Using two adjustable front screws via the access holes provided, set the angle of the assembly to give the best treble sound at the listening position, and then alternately adjust left and right, until the stand sits squarely on the floor without rocking.
14. See sketch below. If desired, the mains and signal leads can be taped or clamped together, and may be fixed to the rear uprights of the stand to give a neater appearance using the self adhesive cable clips provided, (2 clips per stand).

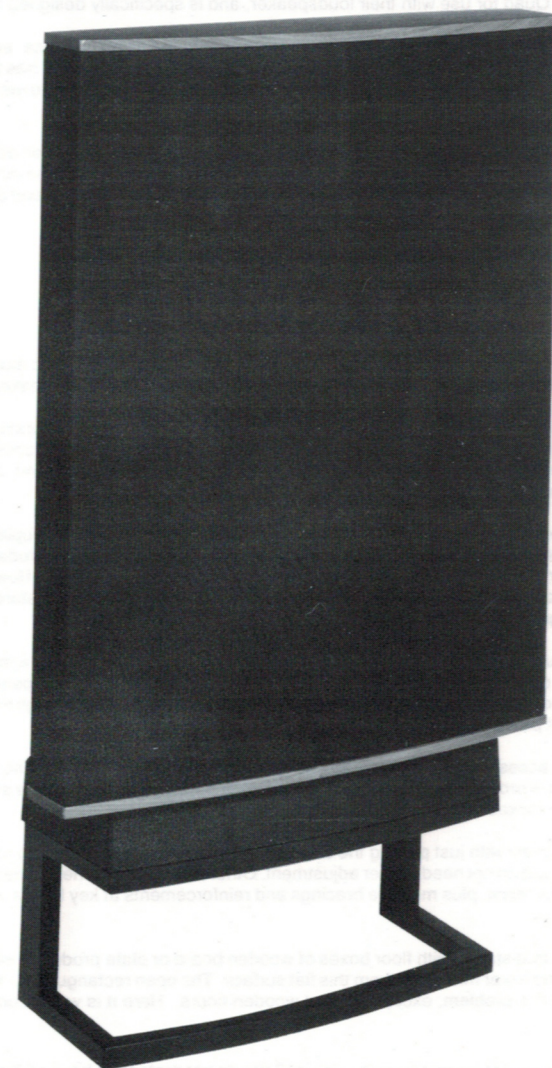
#### Note

On exceptionally soft and resilient floor coverings, when using without floor spikes, the completed assembly may tilt back further than the desired three degrees. Removal of the front plain adhesive pads will help to trim the angle, and in extreme cases, the pads removed may be added to those at the rear to provide a double thickness. Each pad thickness provides an adjustment of approximately two degrees.



Stand Height: 23 cm Weight: 6.5kg

Available from all Quad dealers and agents.  
STAND AND DELIVER, P O BOX 8, LONDON NW6 1BT VAT REG NO. 350 737557



**STAND & DELIVER LAB 63 QUAD SPEAKER STAND**



## LAB 63 STAND FOR THE QUAD ELS63 ELECTROSTATIC LOUDSPEAKER

(selected by the Design Centre London)

The sonic performance of the new Quad 63 is significantly enhanced by mounting the speaker on the Lab 63 stand. It has been approved by Quad for use with their loudspeaker, and is specifically designed to meet the needs of the 63.

The stand introduces a 3 degree tilt to bring the optimum axis onto the listening plane, and elevates the speaker by 23cm to improve its frequency balance and ameliorate floor boundary reflections. It has the beneficial side effect of improving the speaker's weight distribution on different floor coverings and also improves the loudspeaker's physical stability.

Made of heavy gauge welded steel, the contoured front beams of the Lab 63 have been designed to follow the form of the speaker base, and its durable epoxide finish allows it to be slid easily into position on most floor coverings. It may be attached by screws to the base of the speaker in order to make the assembly secure, and Stand & Deliver recommend that the screws be used for maximum stability and safety.

The stands come in boxed pairs complete with fixing screws and full instructions.

### LAB SERIES STANDS

The research programme which resulted in the development of the existing domestic models has been continued to produce a higher performance stand intended for use with high performance loudspeakers.

To the earlier attributes of good appearance, fully welded all steel construction, and durable epoxide finish in a neutral colour, the Lab series adds solutions to secondary problems. These include considerations of the vertical floor/speaker/frame resonant frequency and its optimum location, the lateral fore and aft rocking modes and their suppression, optimum stand mass, structural rigidity and floor coupling.

Investigations confirmed the results of other designers in the field, namely that firm coupling to the floor improved the distribution of resonances between the speaker and the floor, both reducing their magnitude and locating them higher in the range. This results in improved bass articulation - better transients and tunefulness. However, further investigations showed that more improvements were also possible in mid range definition, detail and stereo focus, the rewards in this latter area proving as great as those in the bass.

The method of floor coupling is to use a frame with adjustable feet, the latter carrying a machined tip milled to a fine, strong pointed section, of sufficiently fine cross section and of sufficient length to allow penetration of carpeting etc., to the floor proper, be it floor boards, parquet or concrete. The resulting hole is small enough to be invisible when the stand is removed, should that prove necessary.

A special feature is the access to the adjusting screws which is provided from above. The full performance cannot be obtained until the stand is properly located with the speakers in position and each screw adjusted in location, until the frame can no longer be rocked with respect to the floor.

The subjective improvement with just placing the stand unadjusted on the carpet has to be heard to be believed. The screws are self locking and do not need further adjustment. Other features of the new series include an increased base area, double gauge steel stock, plus massive bracings and reinforcements at key bonds. An additional consideration was reflections.

Research also showed that stands with floor boxes of wooden board or plate produced inferior stereo images due to acoustic reflections in the lower mid range from this flat surface. The open rectangular frame used in the S&D designs was found to eliminate this problem, except on hard wooden floors. Here it is worth considering some carpet area beneath the stands.

Why should the mid range also benefit from the design? We do not pretend to have all the answers, but believe that with ordinary stands, while the rocking occurring under bass delivery is very small, well below audibility on grounds of Doppler distortion, for example, it can be important on other grounds. The problem is simply that under stereo drive, and placed on different parts of the floor, it is most unlikely that they would rock in synchrony. In the vital mid range the ear derives its stereo location clues from the fine differential timing of transients from left and right hand speakers. Asynchronous rocking of the stereo pair will blur the transient timing, blurring the subjective sharpness and detail in the stereo image. By minimising rocking and furthermore much reducing its duration, the transients are preserved to a far higher degree than previously possible.

## INSTRUCTIONS FOR FITTING THE LAB 63 LOUDSPEAKER STAND

### WARNING

PLEASE READ CAREFULLY BEFORE ATTEMPTING TO ATTACH STAND. BECAUSE OF THE HIGH VOLTAGES INVOLVED, THE QUAD 63 LOUDSPEAKER SHOULD BE HANDLED WITH GREAT CARE, AND IF IN ANY DOUBT YOUR LOCAL DEALER SHOULD BE CONSULTED. EVEN WHEN SWITCHED OFF AND DISCONNECTED, DANGEROUSLY HIGH VOLTAGES CAN REMAIN BENEATH THE BASE PLATE COVER FOR SOME TIME AFTER SWITCH OFF.

### INSTRUCTIONS

1. Identify accessory pack containing 4 cable clips; 8 perforated self adhesive rubber pads; 8 plain self adhesive rubber pads; 8 X screws; 4 plastic blanking caps; 8 spiked feet and locking nuts.
2. Switch off Quad 63 loudspeakers and disconnect all cabling to the speakers.
3. Gently lay the Quad 63 loudspeakers face down onto a soft, clean surface.
4. Identify the two short sides on the base plate and the two middle screws of the row of three on each side.
5. Remove these screws. ON NO ACCOUNT ATTEMPT TO REMOVE MORE THAN THE REQUIRED SCREWS OR THE BASE PLATE COVER ITSELF.
6. On early production Quad 63 speakers, gently prise up the self adhesive cork mounting pads from the speaker base plate and discard. Attach the plain self adhesive pads on the short side of the base plate, one on either side of the middle screw hole, neatly spaced as close to the corners as the base plate profile will allow, (4 pads per speaker). On the current Quad 63, the cork pads have been replaced by circular moulded plastic feet, with a central insert. Upon prising up the inserts, screw heads will be revealed. Loosen these screws and remove them as well as the associated plastic feet. Replace those screws which are not involved in the stand mounting arrangement described above.
7. The perforated pads should be accurately stuck over the exposed holes in the base plate, serving as spacers (4 pads per speaker).
8. Match the stand to the base plate, with the curved section of the stand corresponding to the front of the base plate, aligning the holes in the stand over the holes in the base plate and the perforated pads.
9. Screw the stand to the base plate using the screws provided, (4 screws per speaker). Tighten to make a secure assembly but do not over tighten.
10. The Quad 63 stand now conforms to the Lab series format, with the use of a much heavier gauge, low resonance steel frame, plus carpet piercing feet.