



Q-1500 LS

Q Series

Q-1500 Subwoofer Speaker Group



The Q-1500 is a trapezoid shaped subwoofer subsystem designed for flying operation. The LS suffix on the Q-1500 denotes the model uses the standard OAP 15" speaker to achieve high reliability, 14 gauge wire is used throughout. To insure enclosure stability 3/4" birch plywood is used with all interconnecting surfaces extensively braced and glued. Being primarily an indoor cabinet, the Q-1500 uses a fire retardant cloth grill for both aesthetic and acoustical purposes. Standard finish is black textured paint, with white or unfinished as an option. Like all other OAP Loudspeaker systems, the Q-1500 comes with a five year warranty.

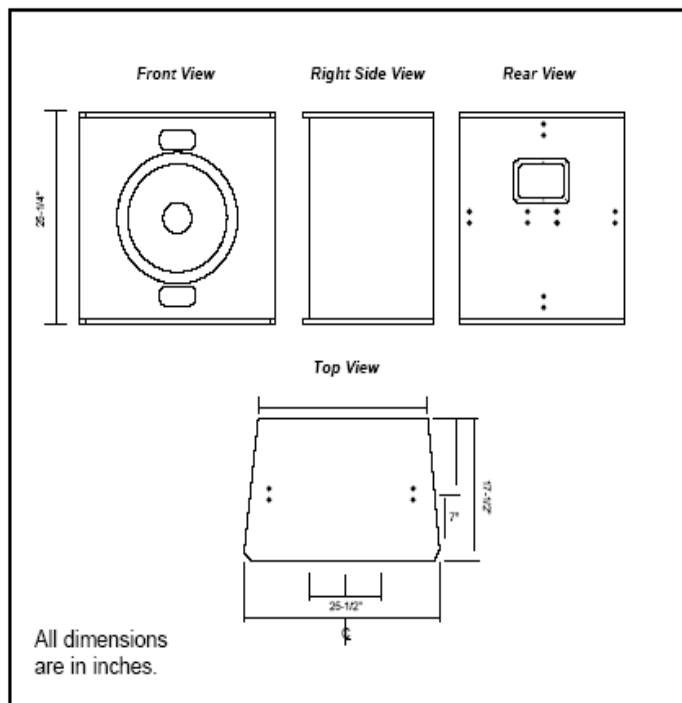
The Q-1500 should be used when a subwoofer is needed in conjunction with other OAP Q-Series speakers for additional low-frequency response. The cabinet is dimensionally matched with other Q-series speakers such as the Q-2200 models allowing aesthetically pleasing arrays in various cluster configurations. The Q-1500 model is wired with an internal passive crossover, or can be used with an external active crossover.

The speaker comes standard with a terminal strip input plate. Parallel NL4 connectors are optional. The Red and Black wires on the Terminal Block are the inputs. Pin 1+ and Pin 1- on the NL4 are in parallel. Pin 2+ and Pin 2- are unused.

The Q-1500 is easily flyable via ten fly points. There are two points on the top, two points on the bottom, and six points on the back facilitating cluster configuration rigging. The Q-1500 has two 1/4" 28-thread inserts installed at each of the ten points for use with the optional flying hardware or the optional external flying brackets. A flying hardware kit, model FHK is available and includes one flying hardware plate model FHP, one flying hardware tie-down model FHT, and two 1/4" 28-thread machine screws. The model FHP and FHT, as well as the screws also are available separately. The tie-down has a round ring with an inside dimension of 1.12" which can be used with most standard rigging hardware. You must use at least two FHK to safely suspend the Q-1500. Using the optional fly brackets, one or more Q-1500 cabinets may be connected with two or more Q-2200 cabinets. Attachment to the fly bracket can be made with either a Forged I-Bolt (FIB's), an FHK, or a shackle directly to the fly bracket itself. Q-series bracketry that can be used with this product are: Flying Bracket, Angle Bracket, Telescoping Bracket, Directional Bracket, or an Anchor Bracket. (For further detail see Bracketry spec sheet).

WARNING!!!! RIGGING AND FLYING OF THE Q-1500 SHOULD BE DONE BY PERSONS FAMILIAR WITH STANDARD RIGGING PRACTICES. IF YOU ARE NOT FAMILIAR WITH THESE PRACTICES PLEASE CONSULT THE FACTORY, YOUR DEALER, THE LOCAL STAGE HANDS UNION OR A RIGGING SUPPLY COMPANY IN YOUR AREA.

WARRANTY: OAP Audio Q-Series loudspeaker systems are



guaranteed against failure due to workmanship and materials for a period of five (5) years from date of purchase and is limited to original purchaser. If such failure does occur, unit will be replaced or repaired (at the discretion of OAP Audio) without charge for labor and materials. Unit must be delivered to OAP Audio or one of our authorized service facilities prepaid. In warranty items will be returned prepaid. Items not covered by warranty includes finish or appearance items, or failure due to operation under other than specified conditions. This warranty also does not include any incidental or consequential damages. Repair by other than OAP Audio or an authorized service facility will void this guarantee.

NOTE: As a research and development corporation, OAP Audio reserves the right to change specifications to improve performance.

Rev. F (05/13)

Q-1500 LS Specifications

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| Impedance | 8 ohm |
| Low Frequency Device | 15" dia. w/ 2.5" edgewound voice coil |
| Frequency Response | +3db/-6db 50Hz to 200Hz, +/-3db 55Hz to 125Hz |
| Power Handling | 400 watts continuous program |
| Sensitivity | 97.1db 1watt @ 1 meter averaged between 50Hz and 200Hz (note #1) |
| Dimensions | 25.5"W X 25.375"H X 17.625"D |
| Weight | 75lbs. |
| Taper | 7.5° |
| Flypoints | 10-2 on Top, 2 on Bottom, and 6 on Back |
| Color | Black, White, and unfinished |
| Grill Cloth | Black, White, Wheat, and Pumice |
| Inputs | Terminal strip standard, NL4 optional |

ARCHITECTURAL SPECIFICATIONS The loudspeaker shall be of the low frequency/subwoofer type and a trapezoid shape (7.5° taper). The LS model loudspeaker shall incorporate the standard OAP 15" low frequency speaker with a 2.5" edgewound voice coil. The LS model shall have a frequency range of 50Hz to 200Hz, a sensitivity of 97.1db at 1 watt/1 meter. The Q-1500 cabinet shall be constructed of 3/4" birch plywood and stiffened internally. All exposed corners shall be rounded for damage resistance. The ten Fly-points shall be fitted with 1/4 inch 28 thread inserts to be used with optional aircraft type rigging fittings or the external Q-series bracketry. The top and bottom of the cabinet shall be 3/4 inches thick. The top and bottom shall be reinforced with steel plates and connected together with 1/4 inch threaded rod to facilitate being able to rig one enclosure to another. The loudspeaker shall be the OAP model Q-1500 LS.

Rev F (05/13)