



LA808i

Architectural Specifications

The loudspeaker (LFDE unit) shall be used to enhance the low frequency directivity of a single cabinet with eight 4.5 inch (115 mm) woofers. The cabinet shall be the same size as the cabinet housing the 3-way line array.

In tandem with the 3-way line array, the performance specifications of a typical production LFDE unit shall be as follows: usable frequency response shall extend from 75 Hz - 22kHz (-10 dB). Measured sensitivity (ref. 2.83 V / 1 m) shall be 95 dB. The speaker shall have a rated impedance of 4 ohms. Rated power handling shall be 500 watts and maximum continuous output at 1 meter shall be 112 dB.

The eight low frequency drivers shall include a treated paper cone and butyl rubber surround. They shall use a die cast aluminum basket and a ferrite motor structure. The midrange drivers shall include a treated paper dome with pressed foam surround. They shall use a die cast aluminum basket with a neodymium motor structure. The high frequency driver shall be a planar magnetics (ribbon) unit with a neodymium motor structure.

Mounting points for wall mount, pole mount, ceiling mount or suspension via cables shall be provided. Mounting hardware shall be Allen Products or equivalent. Input connectors shall include a four-position terminal block and Neutrik SpeakOn. The four-position terminal block shall accept from 10 - 22 gauge wire. A jumper cable shall be provided to connect the LFDE unit to the 3-way line array. Built-in low frequency equalization shall automatically be applied to both the LFDE unit and 3-way line array when the two units are properly connected together using the jumper cable.

The enclosure shall be constructed of MDF and plywood with metal ¼" x 20 threaded inserts mounting points and a steel grille. The enclosure and grille shall be available in black or white textured paint and shall also be paintable by the installer. A bent back plate with plate mounting hardware and safety cable attachment point shall be included. Speaker mounting brackets and hardware shall be available for use with 3rd party manufacturer mounting systems.

The system shall be the SoundTube LA808i Low Frequency Directivity Element in conjunction with the SoundTube LA880i line array.