



THE ULTIMATUM XLi LOUDSPEAKER

INSTRUCTIONS FOR USE

Congratulations on choosing the ULTIMATUM XLi loudspeakers. Please read the following notes in order to get the best from them.

RUNNING IN

A 'running in' period of at least 200 hours is necessary for optimum performance.

SETUP

The XLi loudspeakers are packed in two crates, with the plinths and fixings located above the speaker itself.

Place the enclosure upside-down on a clean, non-abrasive surface (the ethafoam packing sheets are suitable). Place the plinths onto the bottom of the cabinet and line up the screw-holes with those on the cabinet. Fit the long M6 screws with the supplied 4mm allen key.

Fit the locking rings to the spikes and screw them into the bushes on the bottom of the plinth. Return to upright and level the speaker by adjusting the spikes. Once level, ensure that the locking rings are tight.

PLACEMENT IN THE ROOM

Room acoustics vary tremendously and there are few hard and fast rules about placement. A degree of experimentation is necessary for optimum placement but a *starting point* of 50 cm from rear walls and 60 cm from side walls is suggested, with a toe-in of 10-20 degrees. Generally, bass output increases as distance from the rear wall, or room corner, decreases. Stereo depth and associated effects improve as the speaker is brought away from room boundaries.

Perseverance at the setup stage will be rewarded. Move the loudspeaker in small increments (2-3 cm) and assess the changes until satisfied with the in-room balance. Often, very small changes of the loudspeaker position can result in a substantial improvement in performance.

CONNECTIONS

The ULTIMATUM XLi is supplied with bi-wiring/bi-amplification terminals, which are fitted with links in order to facilitate single wiring.

Bi-wiring is effected by running two sets of cable from the amplifier output terminals. Connect one set to the lower and one set to the upper terminals on the rear of the speaker. Take care to ensure correct phasing (i.e. red and black connections maintained at amplifier and speaker). Bi-wiring can bring about a significant change in performance and this should be evaluated on an individual basis. Some amplifiers will respond better than others, whilst personal taste is also a strong factor.

Bi-amplification is highly recommended. This involves the use of 2 stereo amplifiers (or 4 mono amplifiers). When this mode of operation is being considered, it is advisable to consult a dealer, or Neat Acoustics, for advice.

MAINTENANCE

The ULTIMATUM XLi has no user-replaceable parts and requires no maintenance.

To clean, brush lightly with a dry, lint-free cloth.

Should a fault condition arise, consult your dealer.

WARNING: DO NOT ATTEMPT TO GAIN ACCESS TO THE INSIDE OF THE ENCLOSURE!

WARRANTY

The ULTIMATUM XLi is guaranteed against defects in materials and workmanship for a period of five years. This warranty is limited to the original purchaser.

SPECIFICATIONS

ENCLOSURE TYPE: Multi-driver/multi-facet isobaric/reflex.

Drive units:

BASS/MIDRANGE: 2 x 168mm treated paper cone type/w. phase correction.

HIGH FREQUENCY UNIT: 26mm Sonomex dome type.

SUPER-HIGH FREQUENCY UNIT: 2 x EMIT type.

DIMENSIONS (h/w/d): 100/22/37cm **Plinth Footprint:** 26x42cm

WEIGHT: 32kg (SHIPPING WEIGHT 74kg: pair)

SENSITIVITY (2.83v/1m): 88 dB/1 watt

RECOMMENDED AMPLIFIER POWER: 25 to 200 watts

IMPEDANCE: 4 ohms

(Specification may be subject to change without notice)