



## **THE ULTIMATUM XLS LOUDSPEAKER**

### **INSTRUCTIONS FOR USE**

Congratulations on choosing the ULTIMATUM XLS 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 XLS should be used on rigid stands and fixed with blu-tack or similar adhesive putty.

**Caution: The XLS loudspeaker should be removed from the stand when being moved.**

#### **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 30 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 XLS 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 XLS 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 XLS 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):** 38/22/37cm

**WEIGHT:** 15kg (SHIPPING WEIGHT 35kg: 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)