



## Installation Manual

### 250 Series Mini Acoustic Booth

### **AMPLIVOX Ltd**

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## **Operation of the 250 Series Acoustic Booth**

### **Application**

The 250 Series Acoustic Booth is designed to provide a sound controlled environment for hearing testing.

### **Location**

The booth should be located in a weatherproof ventilated environment.

### **Operation**

1. Once assembled the booth can be easily manoeuvred and positioned due to the casters on the base.
2. Once in position, at least two casters should be locked to prevent the booth moving. The locking device is a lever on the wheel assembly.
3. Connect the booth to a suitable power supply via the plug and power lead.
4. The interior light is powered by a switch located on the underside of the roof panel.
5. The ventilation fan is operated by a switch located on the underside of the roof panel.
6. An audiometer is connected through the jack panel using booth leads, provided by and in accordance with the audiometer manufacturers recommendations.

### **Weight**

The weight of each main component is as follows:

Door panel:	39.0kg
Window panel:	58.5kg
Solid side panel:	38.0kg
Rear panel:	28.5kg
Base panel:	26.0kg
Roof panel:	33.5kg
Seat:	6.0kg

### **Electrical**

The booth operates on a 240VAC, 50/60Hz electrical power supply and draws 350mA.

### **Faults**

In the event of a non operation of the lights or ventilation fan, check the fuses situated on the roof of the booth and within the 3 pin plug on the power lead.

## **Bill of Materials**

Please check off all items before commencing with installation

<b><u>List of Components</u></b>	<b><u>Quantity</u></b>
Floor Plate	1
Side Panel	1
Window Panel	1
Rear Panel	1
Roof	1
Top Door Bracket	1
Door Spigot Bracket	1
Door	1
Seat Mounting Brackets	2
Seat	1
Shelf	1
Support Spar	1
Hat & Coat Hook	1
Carpet (Black)	1
Clear High Modulus Silicone	1 Tube
Sponge Gasket 13mm x 3mm (Black)	3 Meters

<b><u>List of Fixings</u></b>	<b><u>Quantity</u></b>
M8 x 25 Dome Socket Cap Screw	18
M8 Shake Proof Washer	18
M8 Engineering Pins	18
M8 Nyloc Nuts	17
M8 x 25 Hex Head Bolts	20
¾ x 6 Self Tapping Screws	2
Earth Lead M8 – M6	1
M6 x 25 Hex Head Bolt	1
M6 Shake Proof Washer	1
M8 x 10 Hex Head Screws	4

<b><u>List of Tools Required for Assembly</u></b>	<b><u>Quantity</u></b>
5mm Allen Key	1
13mm Socket and Driver	1
10mm Socket	1
General Purpose Silicone Gun	1
General Purpose X Head Screwdriver	1

Should you have any items missing or have any queries please contact Amplivox Ltd on +44 (0) 1865 842 411.

## Stage 1



Fit 13.0mm x 3mm self adhesive gasket to Base Panel along the sides with bolt holes (avoiding all holes)

## Stage 2



Fit 6 off M8 Engineering Pins into the base of both side panels and rear panel (18 total)

### **Stage 3**



Fit Side Panel into base loosely fix using M8 Nyloc Nuts – do not fully tighten until the roof is fitted (final assembly)

Manoeuvre side panel studs through base panel – perforated side on inside

### **Stage 4**



Fit Window Panel again loosely fix with M8 Nyloc Nuts - as above

## **Stage 5**



Fit rear spar to both panels with M8 x 25 Hex Hd set screws (fully tighten)

## **Stage 6**



Run a continuous bead of silicon full length of inner corner (both panels)

## Stage 7



- a) Fit rear panel by locating Engineering Pins through the base of unit using M8 Nyloc Nuts to fasten.
- b) Fix top of rear panel to support spar using M8 x 25 Hex Hd Screws

## Stage 8



Fit bottom door spigot bracket using M8 x 25 Hex Hd set screws

## **Stage 9**

Stand booth up – we recommend the use of at least 3 persons. 2 to lift the booth and 1 to ensure the booth doesn't run away on its casters once at an upright angle.

## **Stage 10**



a) Run a continuous bead of silicon along the top edge of the window panel, rear panel and opposite side panel.



b) Manoeuvre top panel into booth, lower into position and push back. Using M8 x 25 Dome Head Socket Screws with M8 Shake Proof Washers, loosely screw through top of roof to side panels

## Stage 11

Ensure front seams of roof and sides are flush before fully tightening.



Fully tighten all fixings top and bottom

## **Stage 12**



Fit seat mounting brackets using M8 x 25 Hex Hd set screws

## **Stage 13**



Fit seat using M8 x 10 Hex Hd set screws

**Stage 14**



Fit door onto bottom spigot bracket

## **Stage 15**



Fit top bracket into door bush, then fit bracket to top fixing points using an M8 x 25 Dome Hd socket screw with an M8 Shake Proof Washer.

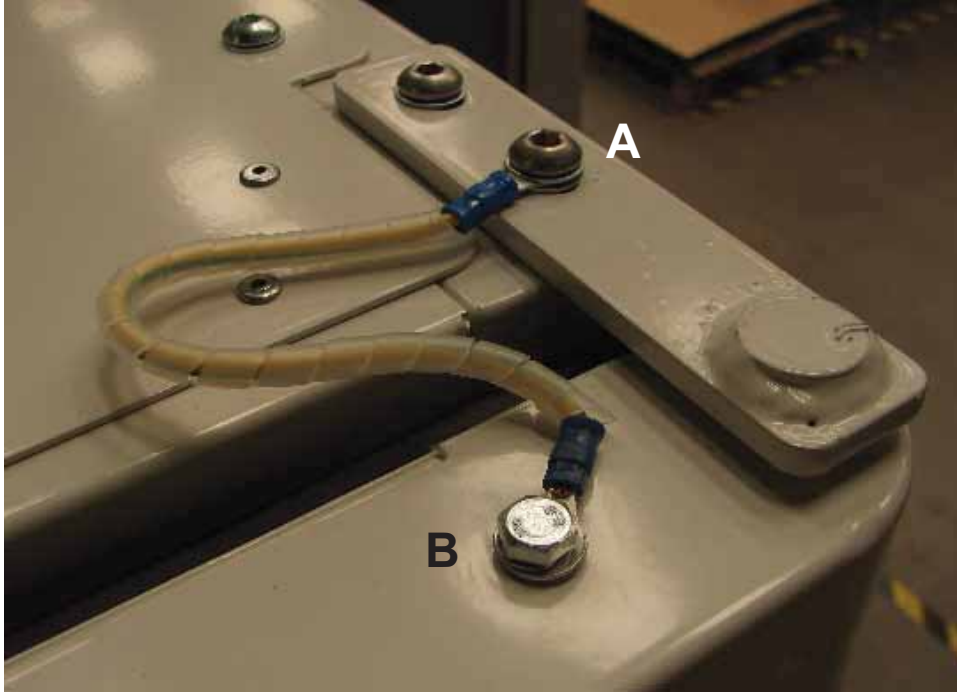
Ensure the door is square with the booth by adjusting the top and bottom brackets before tightening door bolts.

## **Stage 16**



Fit shelf as shown using M8 x 25 Dome Hd socket screws

## Stage 17



- a) Fit earth wire at rear using M8 x 25 Dome Hd screw and M8 Shake Proof Washer
- b) Fix front earth wire using M6 x 25 Hex Hd Bolt and M6 Shake Proof Washer

## Stage 18



Remove backing of double sided adhesive tape from the carpet and secure it to the floor of the booth.

## Stage 19



Fit coat hook using  $\frac{3}{4}$  x 6 self tapping screws

## **Fully Assembled IAC 250 Series Mini Sound Shelter**

