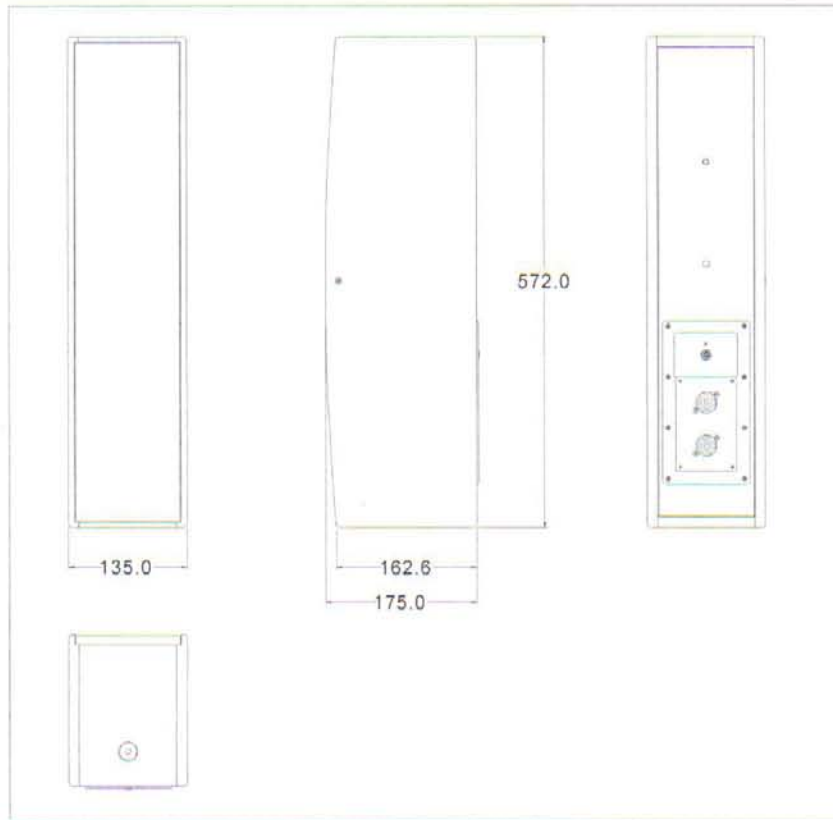
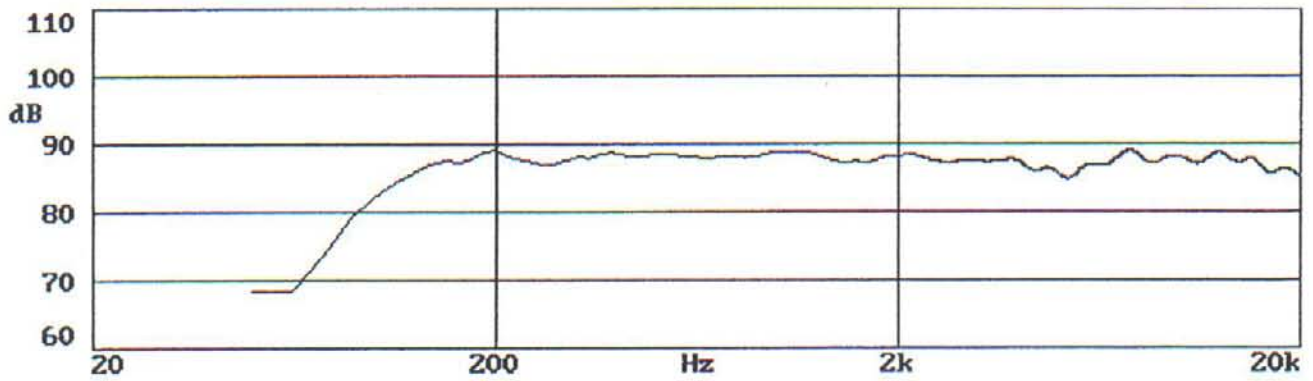


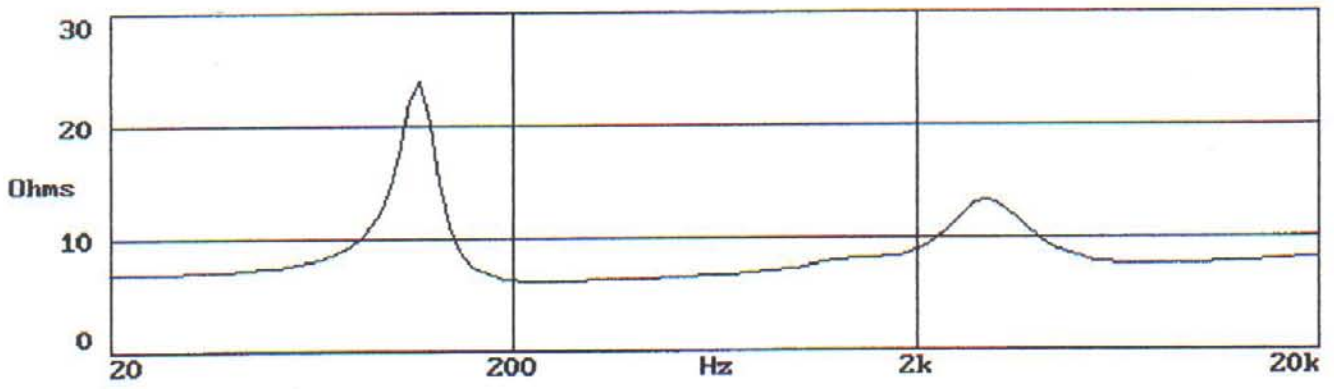
i7



9. Performance Data



Unprocessed Anechoic Frequency Response, 1 watt @ 1 metre



Impedance



## 10. Technical Specifications

Frequency response (1)	+3/- 6dB	90Hz - 20kHz			
Recommended Amplifier Power		up to 180 watt / 8 ohm			
Power Handling		Average (2)	Programme	Peak (10ms)	
		90 watt	180 watt	360 watt	
Sensitivity (1)	2.83 volt @ 1m	89dB 92dB (half space)			
Maximum SPL (3)	@ 1m	Average	Peak	Average (half space)	Peak (half space)
		108dB	114dB 111dB	117dB	
Maximum SPL (3) With THP60 Transformer	@ 1m	Average	Peak	Average (half space)	Peak (half space)
		106 dB	112dB 109dB	115dB	
Impedance		Nominal 8 $\Omega$			
		Minimum 6.2 $\Omega$			
		100V 15W	100V 30W	100V 60W	No connection
		70V 7.5W	70V 15W	70V 30W	70V 60W
		677 $\Omega$	333 $\Omega$	166 $\Omega$	83 $\Omega$
Nominal Dispersion		70° Vertical			
		110° Horizontal			
Directivity Index	1kHz	8.68			
	2kHz	10.8			
	4kHz	4.9			
	8kHz	6.9			
	16kHz	16.6			
Q	1kHz	7.38			
	2kHz	12.1			
	4kHz	3.1			
	8kHz	8.4			
	16kHz	12.2			
Voltage tap ratings for 70.7/100V-line transformer version (Clockwise)		Position	70.7V	100V	
	A	7.5	15		
	B	15	30		
	C	30	60		
	D	60	do not connect		
Driver Complement		1 x 25mm (1") Neodymium HF unit			
		4 x 100mm (4") LF drivers			
Crossover Point		Passive 1.8kHz, 2.5 kHz			
Enclosure		7.88 litres			
Finish		Textured Black or White, Paintable			
Protective Grille		Perforated Steel			
Connectors		2 x Speakon NL4MP IN/OUT			
Fittings		2 x M10 inserts for i7Y &i7 MAB Brackets			
Dimensions		572mm (H) x 135mm (W) x 173mm (D)			
		22 1/2" (H) x 5 3/8" (W) x 6 3/4" (D)			
Weight		9kg (19lbs 13oz)			
Shipping Dimensions		632mm (H) x 200mm (W) x 235mm (D)			
		24 7/8" (H) x 7 7/8" (W) x 9 1/4" (D)			
Shipping Weight		10kg (22lbs 1oz)			

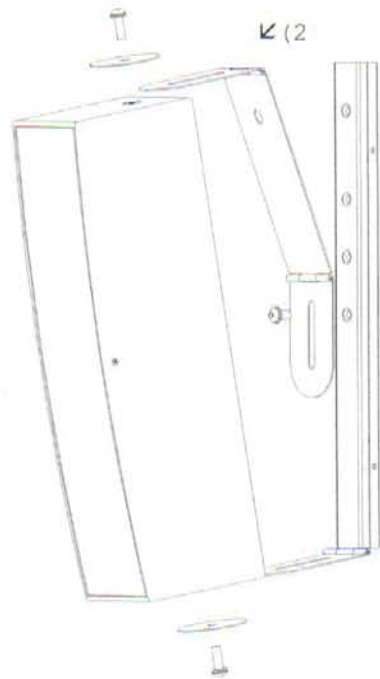
- NOTES:**
- (1) Average over stated bandwidth. Measured at 1m on axis, in an anechoic chamber.
  - (2) Long term power handling capacity as defined in EIA standard RS - 426A.
  - (3) Unweighted pink noise input, measured at 1m

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications which Tannoy reserve the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

A comprehensive range of measurements including off axis frequency response curves, octave & third octave polar diagrams and beamwidth plots as well as Ease™ data can be downloaded from <http://www.tannoy.com/>

11.2 i7Y - Wall mount Bracket

Only the screws, fasteners, and washers specified on *Figure 11a*. Should be used to assemble the i7Y



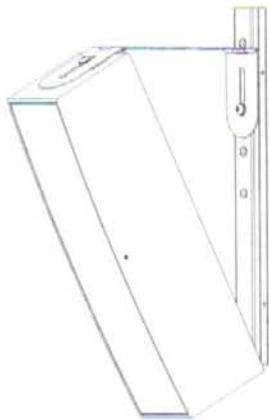
**Figure 11a**



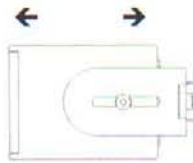
**Figure 11b**

The Main body of the bracket (1) should be fixed first to the wall in the desired location using all six fixing points. Secure fixings to the building structure are vital; ensure the structure will accept the combined load of the speaker and bracket. The top portion of the bracket (2) is fixed to the main body using the bolt provided in one of the four fixing points shown, according to the desired angle. Fine-tuning of this angle is achieved by sliding the top part of the bracket in the slot shown in *Figure 11a*.

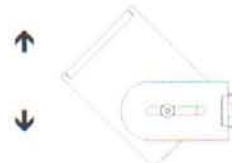
The loudspeaker can then be attached to the bracket as shown using the fixing hardware provided. If no downward angle is desired, the i7Y bracket can be assembled as shown in *Figure 11b* before attaching



**Figure 11c**



**Figure 11d**

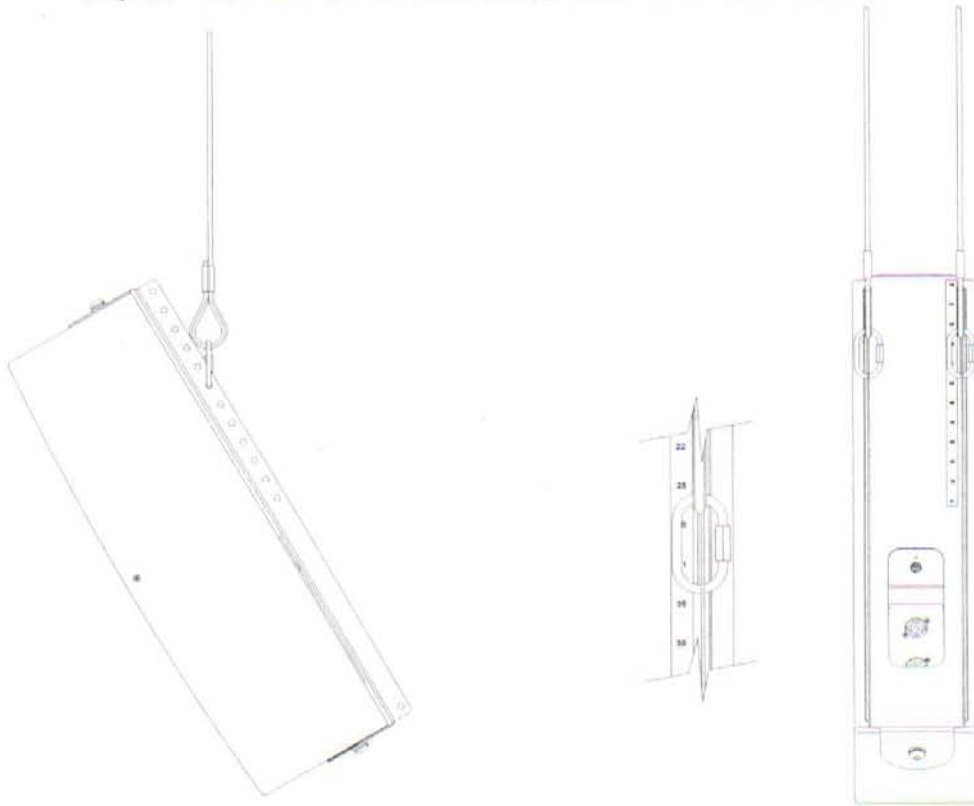


**Figure 11e**

The i7's proximity to the wall can be adjusted to allow aiming of the loudspeaker in the horizontal plane (*Figures 11d & 11e*).

### 11.3 i7 MAB- Multiple Angle Bracket

The i7 MAB is designed to provide a number of flexible mounting angles when the i7 is suspended from overhead cables.



The i7 MAB is attached to the cabinet as shown with the supplied hex socket screws and washers supplied. Remove the original M10 counter sunk screws from the top and bottom of the i7, position the bracket with the marked hanging holes to the top of the cabinet, then replace these counter sunk screws with the hardware supplied.

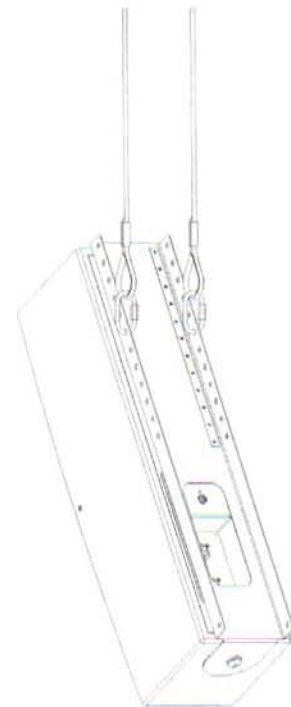
To achieve the desired angles as marked on the bracket, only use pairs of holes adjacent to one another.

It is imperative for safety reasons that two threaded and correctly rated 'Quick Link' fasteners linked to two independently fixed straps are used per cabinet.

The correct method is shown in the figures opposite.

A local building inspector should approve any overhead installations.

The following angles can be achieved:  
19, 22, 25, 28, 31, 35, 39, 45, 52, 63, 76 and 91 degrees from vertical.



12. i7 Service Parts & Accessories

Part Number	Description
7900 0458	LF Driver Type 1687
7900 0545	HF Unit Type 0270
7300 0924	Crossover Type 1454
8001 3210	i7Y - Wall mount Bracket (Black)
8001 3211	i7Y - Wall mount Bracket (White)
8001 3220	i7 MAB- Multiple Angle Bracket (Black)
8001 3221	i7 MAB- Multiple Angle Bracket (White)
250V UK 8001 1930	Tannoy TDX2 Digital System Controller 90 -
250V EUR 8001 1940	Tannoy TDX2 Digital System Controller 90 -
250V USA 8001 1950	Tannoy TDX2 Digital System Controller 90 -

13. Warranty

No maintenance of the i7 loudspeaker is necessary.

All Tannoy professional loudspeaker products are covered by a 5-year warranty from the date of manufacture subject to the absence of misuse, overload or accidental damage. Claims will not be considered if the serial number has been altered or removed. Work under warranty should only be carried out by a Tannoy Professional dealer or service agent. This warranty in no way affects your statutory rights. For further information, please contact your dealer or distributor in your country. If you cannot locate your distributor, please contact Customer Services, Tannoy Ltd at the address given below.

Customer Services  
Tannoy Ltd.  
Rosehall Industrial Estate  
Coatbridge  
Strathclyde  
ML5 4TF  
Scotland  
Telephone: 01236 420199 (National)  
+44 1236 420199 (International)  
Fax: 01236 428230 (National)  
+44 1236 428230 (International)  
E-Mail: prosales@tannoy.com

DO NOT SHIP ANY PRODUCT TO TANNOY WITHOUT PREVIOUS AUTHORISATION

Our policy commits us to incorporating improvements to our products through continuous research and development. Please confirm current specifications for critical applications with your supplier.

14. Declaration of  
Conformity



The following apparatus is/are manufactured in the United Kingdom by Tannoy Ltd of Rosehall Industrial estate, Coatbridge, Scotland, ML5 4TF and conform(s) to the protection requirements of the European Electromagnetic Compatibility Standards and Directives relevant to Domestic Electrical Equipment. The apparatus is designed and constructed such that electromagnetic disturbances generated do not exceed levels allowing radio and telecommunications equipment and other apparatus to operate as intended, and, the apparatus has an adequate level of intrinsic immunity to electromagnetic disturbance to enable operation as specified and intended.

Details of the Apparatus:  
Loudspeaker

Tannoy Contractor

Associated Technical File:  
Applicable Standards:

Model Number: i7  
EMCi7  
EN 50081-1 Emission  
EN 50082-1 Immunity  
EN 60065

Electrical Safety:

Signed:

A handwritten signature in black ink, appearing to read 'G. Hawley', written over a horizontal line.

Position:

Engineering Director  
Tannoy Professional

Date:

20/10/2003

For Tannoy Ltd