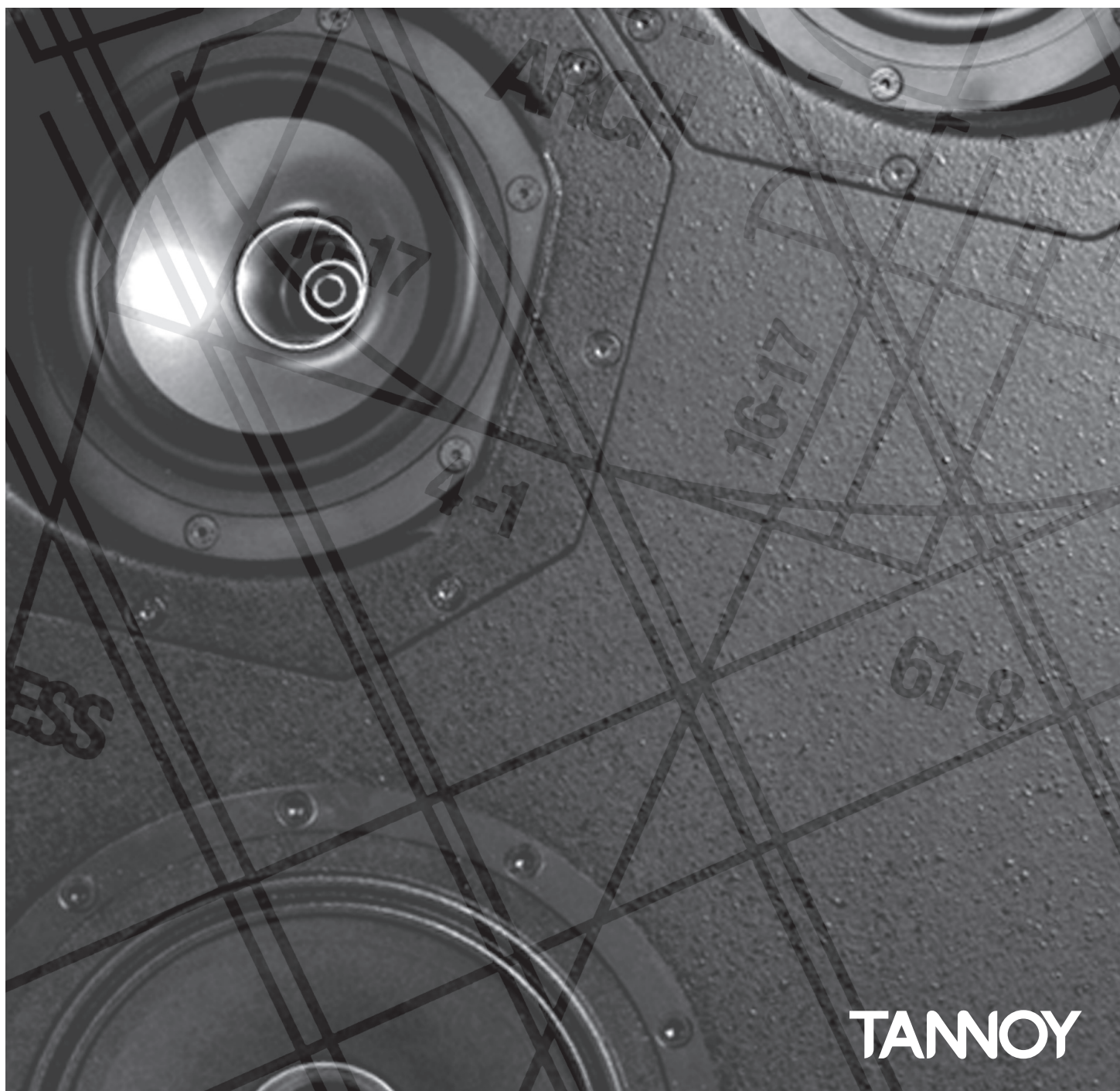


iw

DEFINITION INSTALL

INWALL RANGE USER MANUAL



CONTENTS

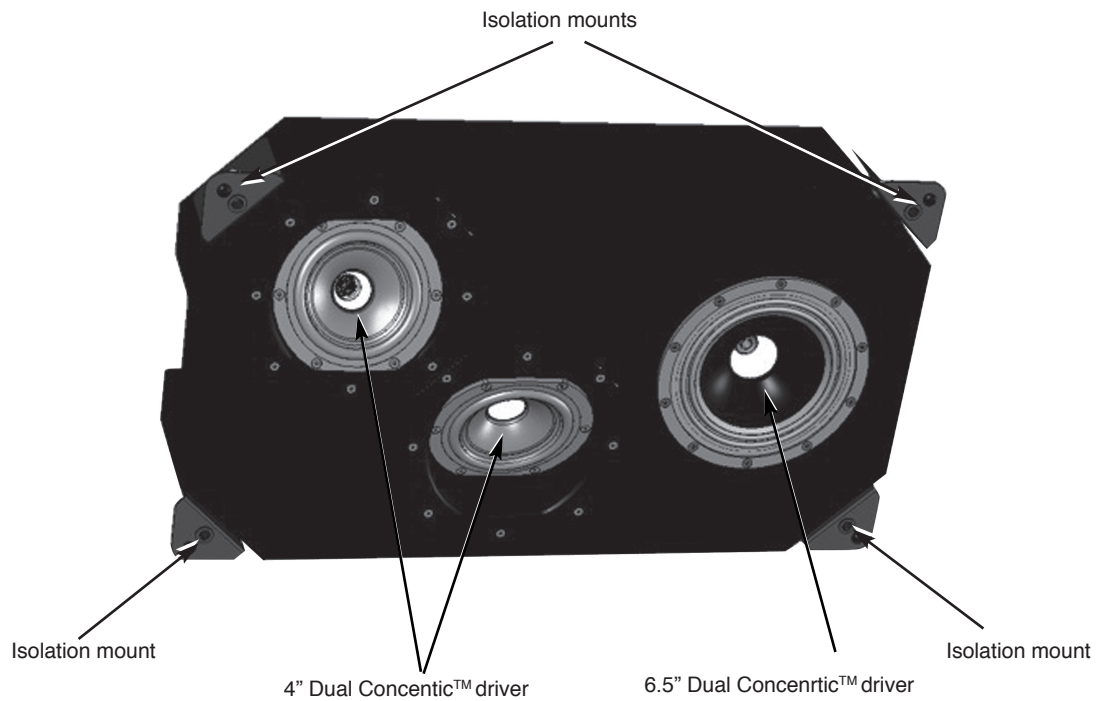
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SAFETY INSTRUCTIONS

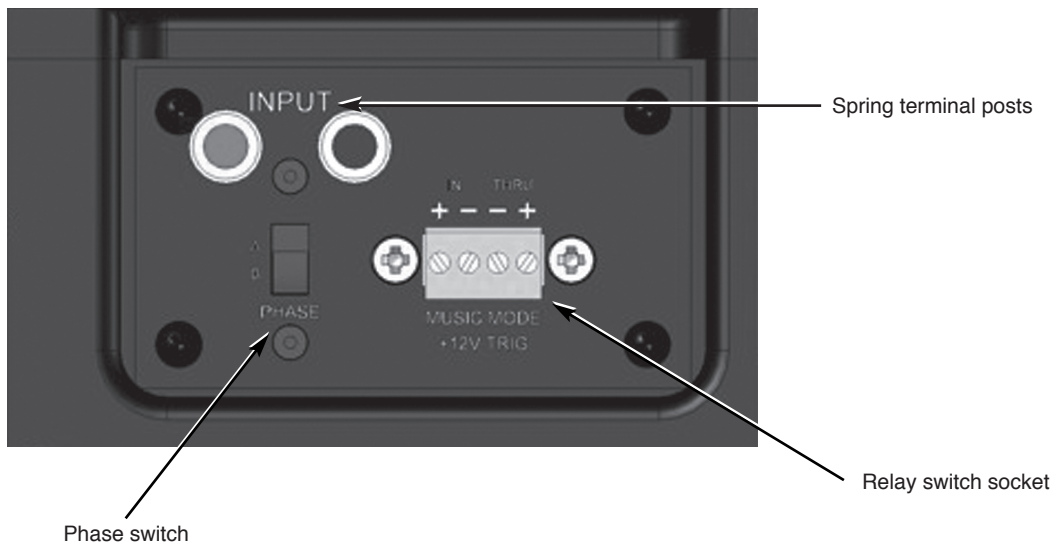
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. The user is responsible for fixing the hardware to the surface to ensure safe operation. The fixings must support the weight of the product – please consult the manual's specification page for the appropriate weights. Please consult the relevant construction codes in your region for further information on suitable hardware fixing methods.
6. Some regional construction codes require the use of a secondary method of securing loudspeakers to surfaces to provide security of a back-up support. A secondary support line should be attached from the safety loop on the rear of the product to a source point on the wall. Please consult the relevant construction codes in your region.
7. Tannoy will not be held accountable for any damage caused by incorrect installation.

PRODUCT IDENTIFICATION

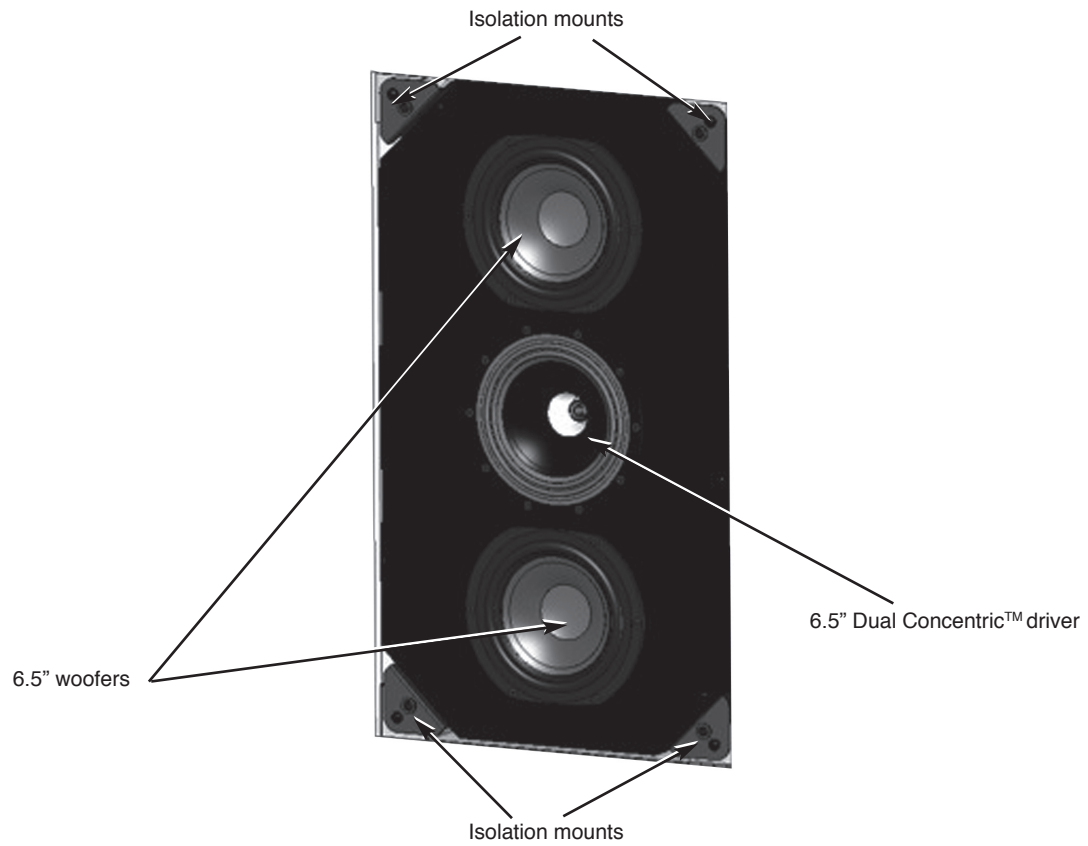
IW60 EFX FRONT



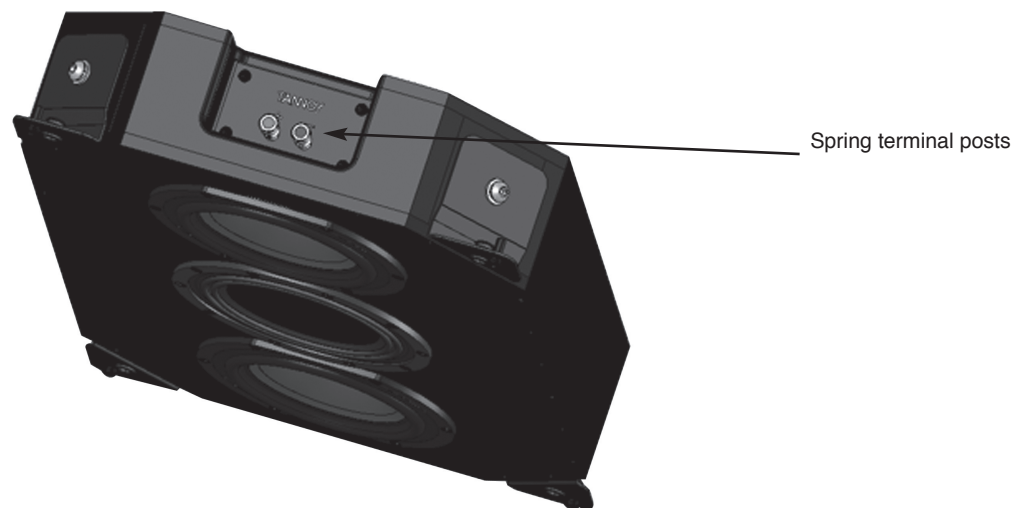
IW60 EFX TOP



IW63 DC FRONT



IW63 DC TOP



INSTALLATION GUIDELINES

1. Fit the pre-install bracket frame to the 2ft x 4 ft wooden studs by using suitable fixings (fixings not supplied). **See Fig 1**

SAFETY NOTICE: The user is responsible for fixing the hardware to the surface to ensure safe operation.

2. Lay the cables

(i) Lay the loudspeaker cable from the amplifier to the installed pre-mount frame. See point 5 for connection instructions.

(ii) **iw60EFX only:** Note that the iw60EFX features a 12V relay switch which allows the speaker to toggle between “Cinema” and “Music” modes if the AV receiver supports this function. To use this facility you will need to lay two-core loudspeaker cable from the AV receiver to the first iw60EFX pre-mount frame then lay loudspeaker cable from that location to the next iw60EFX pre mount frame to allow daisy-chaining. See point 6 for connection instructions.

NOTE: The pre-install frame has four 21mm diameter holes to accommodate cables or even conduit, if required (two are positioned at the top and at two are positioned at the bottom). These holes are blocked off by grommets. Simply knock out the appropriate grommets and pass the cables or conduit through the appropriate holes

3. Complete the wall, leaving the pre-install frame exposed. **See Fig 2**

4. Connect the loudspeaker cables. The positive terminal on the amplifier channel (marked + or coloured red) must be connected to the positive terminal on the loudspeaker (coloured red). The negative terminal on the amplifier channel (marked - or coloured black) must be connected to the negative terminal on the loudspeaker (coloured black). pre-install frame exposed. **See Fig 3**

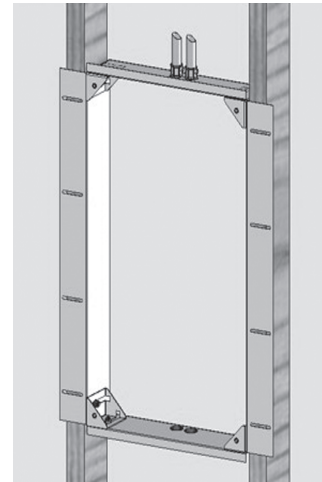


Fig 1.



Fig 2.



Fig 3.

5. **iw60EFX only:** Note that the iw60EFX features a 12V relay switch which allows the speaker to toggle between “Cinema” and “Music” modes if the AV receiver supports this function.

Cinema Mode: This is the default mode of the iw60EFX. The two optimally aligned 100mm (4.00”) Dual Concentric™ drivers generate a wide and even flow of acoustic energy over a large area for a diffuse room filling ambience. The 6.50” Dual Concentric driver is inactive in Cinema mode.

The 4” duals are always out-of-phase with each other in cinema mode. The iw60EFX features a phase switch which inverts the phase of both the 4.00” drivers. Please refer to the following diagrams for reference. **See Fig 4**

When using left and right iw60EFX speakers, the phase switch on the left iw60 EFX speaker should be in the opposite position from the phase switch on the right iw60 EFX speaker. Please refer to the following diagram for reference. **See Fig 5**

Music Mode: This is the direct radiating set up where the 165mm (6.50”) constant directivity Dual Concentric™ driver produces a more localised and focused sound, highlighting the distinct separation afforded by modern programme material. The two 4.00” Dual Concentric drivers are inactive in Music mode. Music mode is selected by using a 12V trigger from the AV receiver. **See Fig 6**

To setup this relay switching facility, use loudspeaker cable to connect the + and - relay switch outputs from the AV receiver to the + and - relay switch inputs on the iw60EFX, remembering to observe correct polarity. The relay input switch socket is a euro-type socket with a loop-through facility, allowing the relay connections on each iw60EFX to be daisy-chained. **See Fig 7**

6. Offer the loudspeaker up to the pre-install frame and fix the four isolation mounts to the pre-install frame using the supplied fixings then attach the grille by pushing it onto the baffle. **See Fig 8**

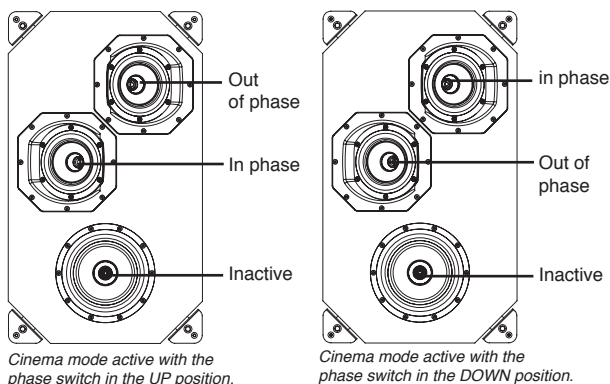


Fig 4.

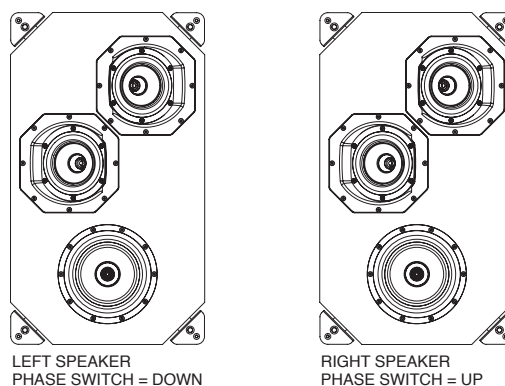


Fig 5.

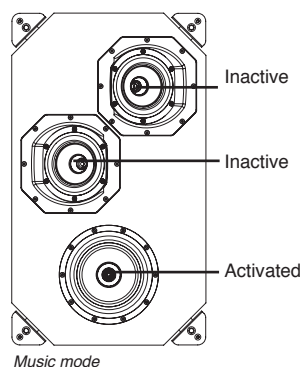


Fig 6.

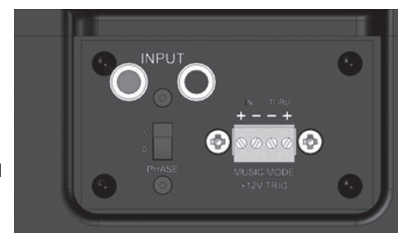


Fig 7.

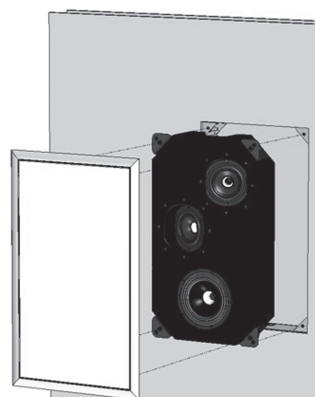
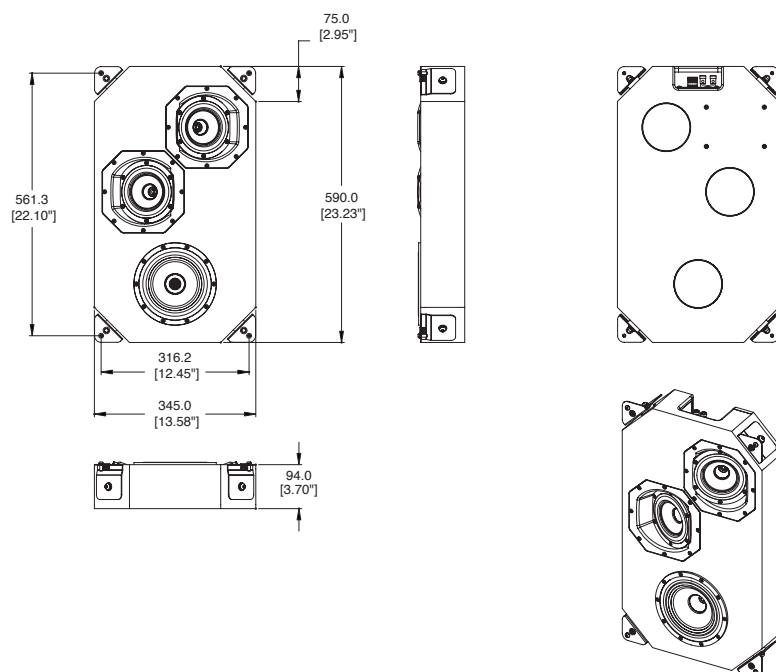


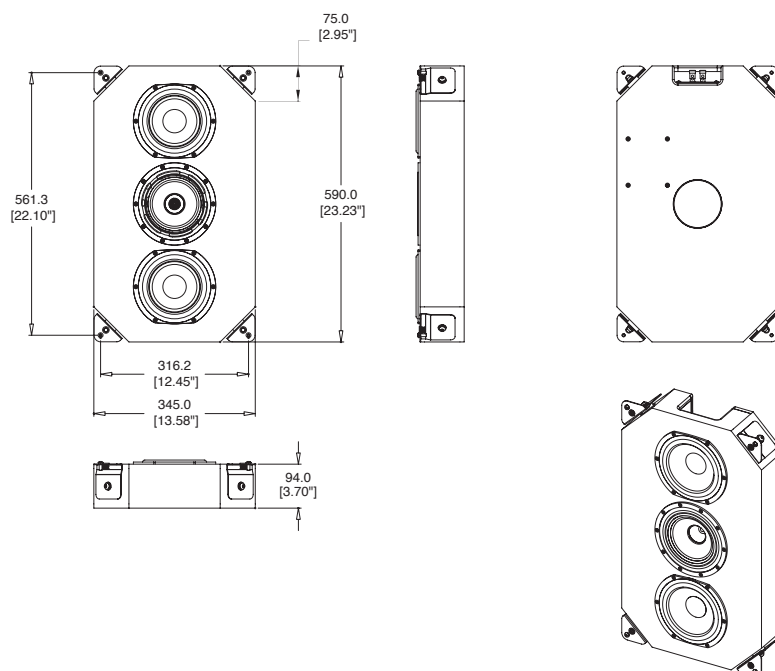
Fig 8.

PRODUCT DIMENSIONS

DEFINITION IW60 EFX



DEFINITION IW63



TANNOY®

TECHNICAL SPECIFICATIONS FULL RANGE MODELS

SYSTEM		IW60 EFX	IW63
Frequency Response (-3dB) ^(1,4)		110Hz - 23kHz	80Hz - 28kHz
Frequency Range (-10dB) ^(1,4)		74Hz - 27kHz	54Hz - 40kHz
System Sensitivity (1W @1m) ^(2,4)		90dB (1W = 2.83V for 8 ohms)	91dB (1W = 2.83V for 8 ohms)
Nominal Coverage Angles		90 degrees Conical in music mode 120 degrees H x 90 degrees cinema mode	90 degrees Conical 120 degrees Conical
Coverage Angle (1kHz to 6kHz)		120 degrees	120 degrees Conical
Directivity Factor (Q)		3.5 averaged 1kHz to 6kHz	3.5 averaged 1kHz to 6kHz
Directivity Index (DI)		5.5 averaged 1kHz to 6kHz	5.5 averaged 1kHz to 6kHz
Power Handling ⁽³⁾	Average	100W	100W
	Programme	200W	200W
	Peak	400W	400W
Recommended Amplifier Power		200W @ 8 Ohms	200W @ 8 Ohms
Rated Maximum SPL ⁽³⁾	Average	110dB	111dB
	Peak	116dB	117dB
Nominal Impedance		8 Ohms music mode 4 Ohms cinema mode	8 Ohms
Crossover		1.6kHz	320Hz, 1.5kHz
Distortion 10% Full Power		(8.94V) 2nd Harmonic 3rd Harmonic	(8.94V) 2nd Harmonic 3rd Harmonic
250Hz		1.84% 0.30%	0.18% 0.08%
1kHz		0.34% 0.61%	0.89% 1.05%
10kHz		0.91% 0.17%	1.30% 0.18%
Distortion 1% Full Power		(2.83V) 2nd Harmonic 3rd Harmonic	(2.83V) 2nd Harmonic 3rd Harmonic
250Hz		0.19% 0.35%	0.90% 0.38%
1kHz		0.40% 0.32%	0.39% 0.61%
10kHz		0.46% 0.89%	0.54% 0.55%
TRANSDUCERS			
Music Mode		1 x 165mm (6.5") constant directivity Dual Concentric™	—
Cinema Mode		2 x 100mm (4.0") Dual Concentric™ in dipole configuration	—
Low Frequency		—	2 x 165mm (6.5") woofers
Mid and High Frequency		—	1 x 165mm (6.5 constant directivity Dual Concentric™
CONSTRUCTION			
Enclosure		11.5 litre (net total volume), closed and internally braced MDF enclosure	11.5 litre, closed and internally braced MDF enclosure
Finish		Textured black paint White powder coated perforated steel grille, foam behind	Textured black paint White powder coated perforated steel grille, foam behind
Connectors		Gold plated spring terminals	Gold plated spring terminals
Controls		Mode selection input (12VDC relay activated via Dinkle connector Polarity switch)	—
Dimensions (H x W x D)		590mm x 345mm x 94mm (23.23" x 13.58" x 3.70")	590mm x 345mm x 94mm (23.23" x 13.58" x 3.70")
Weight		9.5kg	10.5kg
Accessories		Installation kit required (not included)	Installation kit required (not included)

Notes ⁽¹⁾ Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
⁽²⁾ Unweighted Pink noise input, measured at 1m on axis
⁽³⁾ Long term power handling capacity as defined in EIA - 426B test
⁽⁴⁾ Music Mode
⁽⁵⁾ Cinema mode. For music mode refer to IW63 data

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com. 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 reserves the right to alter without prior notification.

WARRANTY STATEMENT

No maintenance of the Definition loudspeaker is necessary.

As part of the MUSIC Group, Tannoy is committed to providing the highest quality products, service and user experience for our customers. One element of this commitment is our after sales support which now incorporates our extended Limited Warranty. In the event of any concern that is not addressed by this extended Limited Warranty we would ask you to contact us at care@music-group.com

For full warranty details including the extended Limited Warranty, please visit <http://www.music-group.com/warranty.aspx> and register your purchase online at www.music-group.com or www.tannoy.com

DECLARATION OF CONFORMITY

The following apparatus is/are manufactured in the United Kingdom by Music Group Innovation SC 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:	Tannoy Contractor Loudspeaker Model Number: Definition Install
Associated Technical File:	EMCi6
Applicable Standards:	EN 50081-1 Emission EN 50082-1 Immunity



Signed:	Director of Engineering (Professional)
Position:	Date: 26th November 2015

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. All specifications are subject to change without notice.
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