

## Install

# iW 6DS-WH

2 Way 6" In-Wall Loudspeaker (White)



- 2 way compact wall mount loudspeaker for multi-zone music and AV systems
- 25 mm titanium diaphragm high frequency unit delivers exceptional clarity and articulation throughout the high frequency range
- 6" bass driver provides exceptional low frequency performance
- 70 Watts continuous, 280 Watts peak power handling delivers exceptional dynamics and realism
- Highly efficient 89 dB/Watt sensitivity
- WideBand tweeter technology to enhance reproduction of wide band digital audio formats
- Robust construction and performance allows use within commercial environments
- Ideal for paging systems, boardrooms, offices, business music systems, reception rooms, houses of worship, retail outlets, shopping malls and bars
- Weather resistant steel mesh grille to protect driver
- Semi matt white finish fits unobtrusively in any environment
- Both baffle and grille may be painted to match décor
- Innovative self-aligning clamping system for easy installation into standard stud partition wall

Designed to excel in a wide variety of sound reinforcement applications, the full range iW 6DS-WH is a compact 280-Watt wall mount loudspeaker that provides inspiring acoustic performance with exceptional clarity and articulation. The iW 6DS-WH is ideally suited for paging systems, boardrooms, offices, business music systems, reception rooms, houses of worship, retail outlets, shopping malls and bars.



## Superb Performance

iW 6DS-WH's design comprises a 150 mm (6.00") bass driver with a 25 mm (1.00") titanium diaphragm high frequency unit mounted in an enclosure that is robust enough for commercial applications. This configuration handles up to 280 Watts to deliver exceptional dynamics, realism, and enhanced intelligibility, all in a compact and highly efficient system that is well-suited to a wide range of amplifier options – including entry level amplifiers.

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- Dynamic high frequency protection
- Tannoy - Over 90 years of British sound heritage and innovation
- 10-Year Warranty Program\*
- Designed and engineered in the U.K.

## Attractive & Easy to Install

The semi matt white, weather resistant grille and enclosure can be painted to match any décor, and features an innovative self-aligning clamping system for easy installation into standard stud partition walls.



## You Are Covered

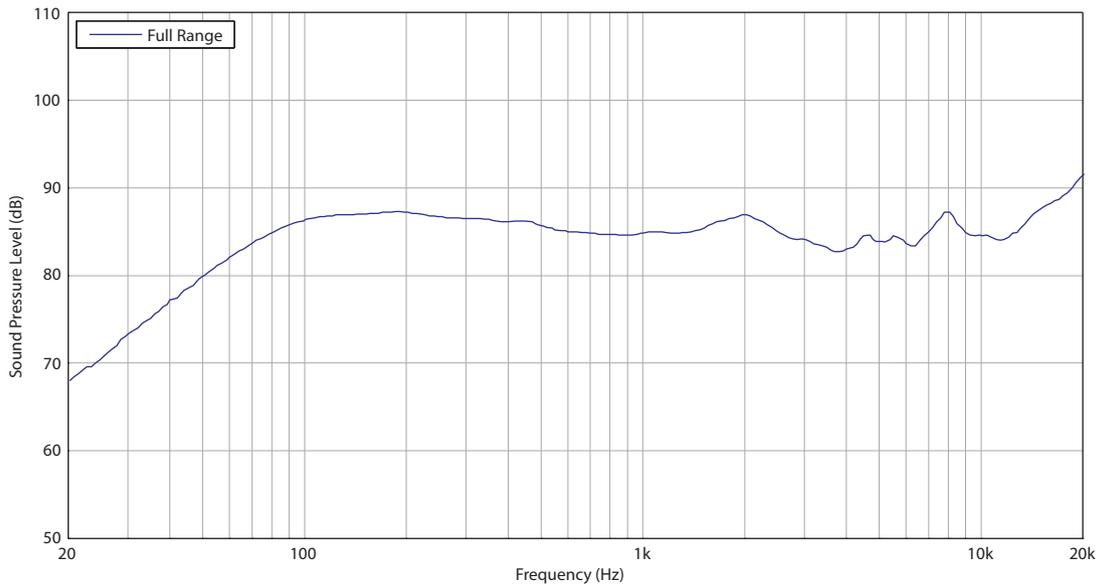
We always strive to provide the best possible Customer Experience. Our products are made in our own Music Tribe factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous Warranty program.

Install

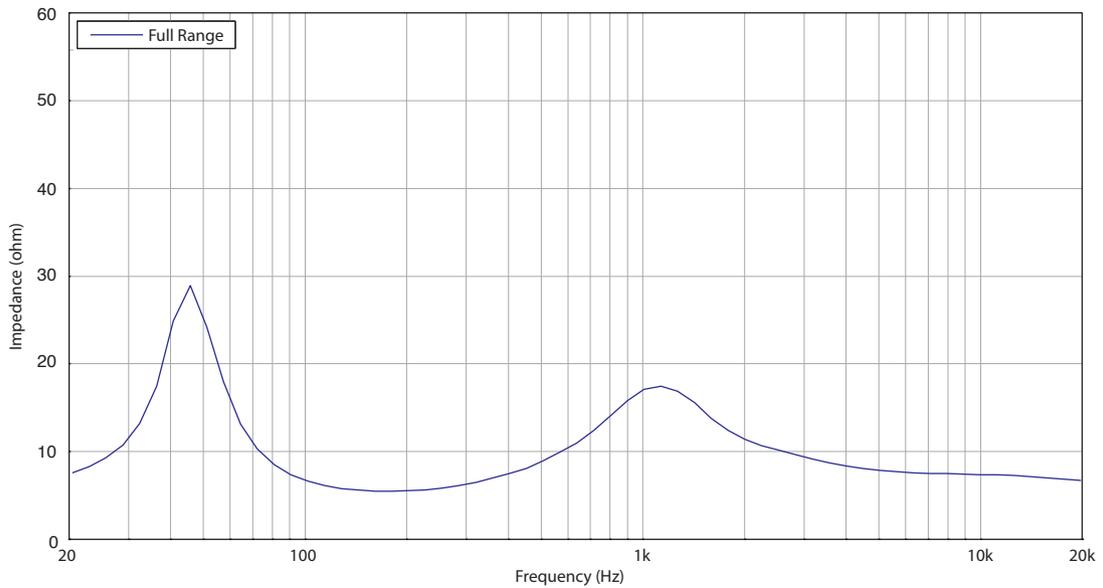
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2 Way 6" In-Wall Loudspeaker (White)

## Frequency Response Sensitivity 1 W / 1 m



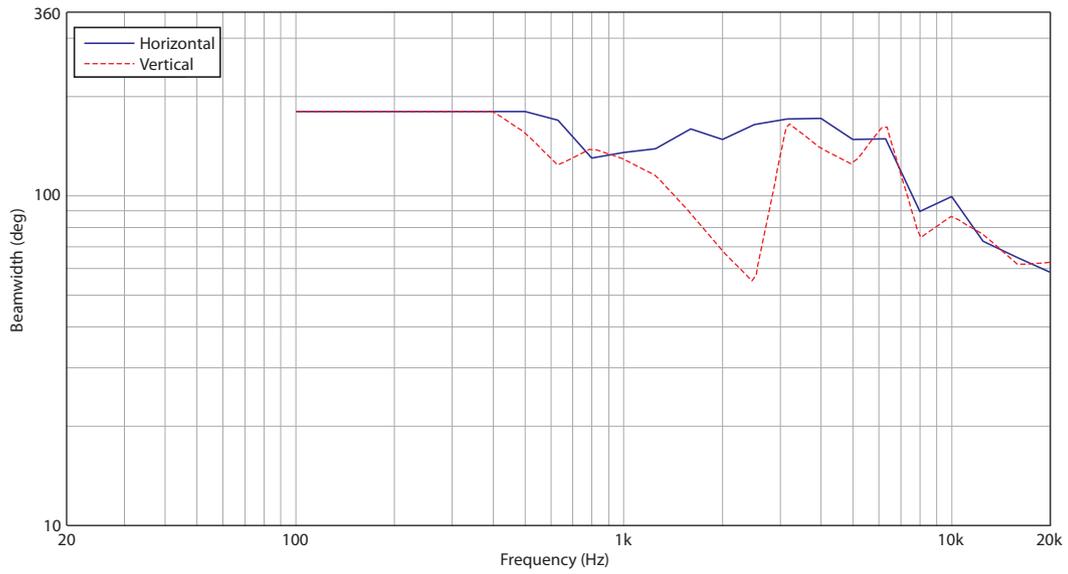
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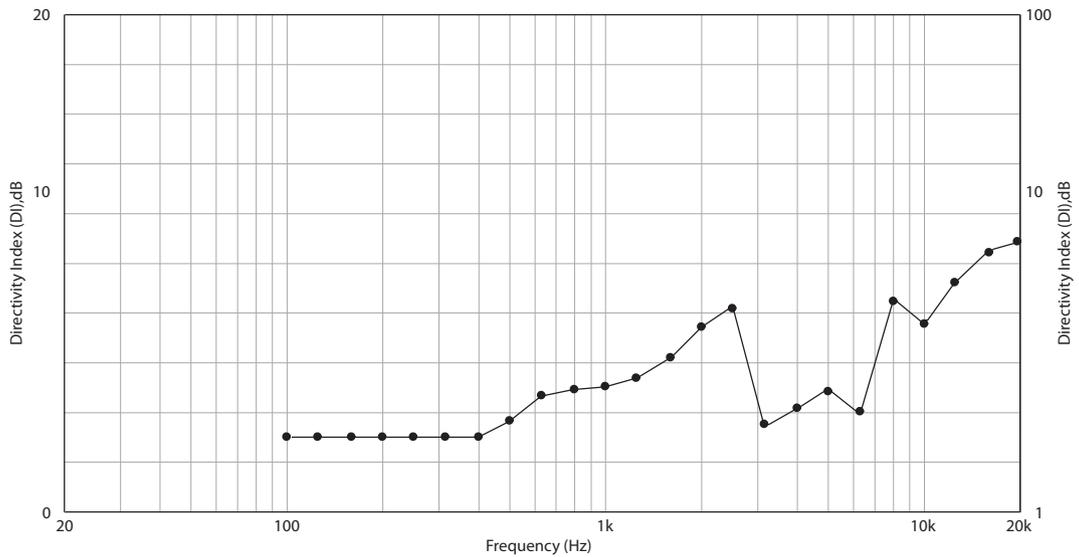
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## Horizontal and Vertical Beamwidth



## Directivity Index and Factor

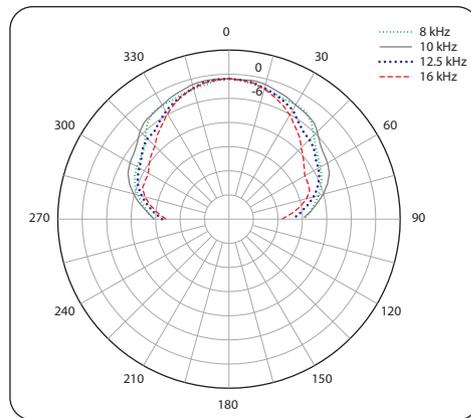
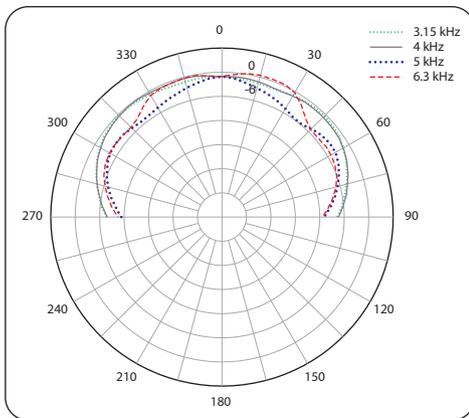
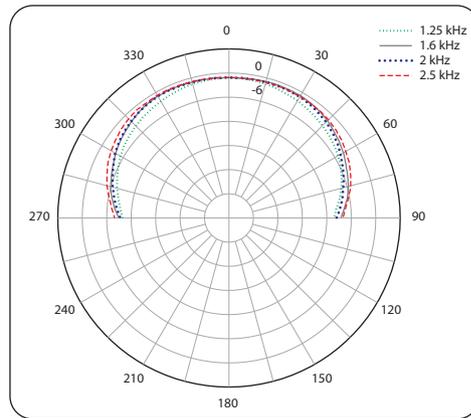
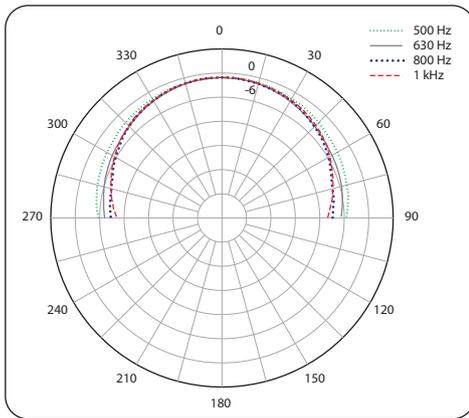
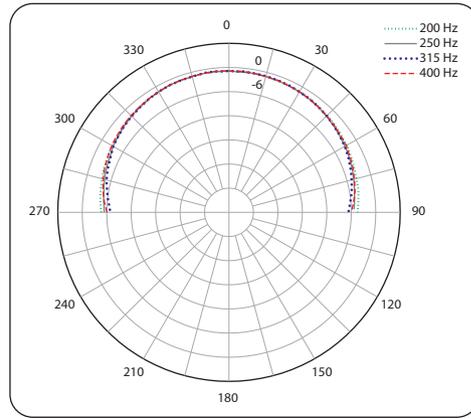
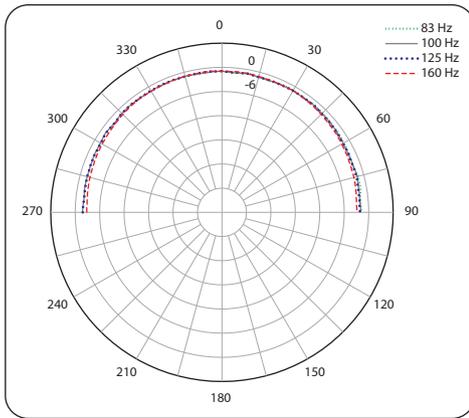


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## Horizontal Polar Plots

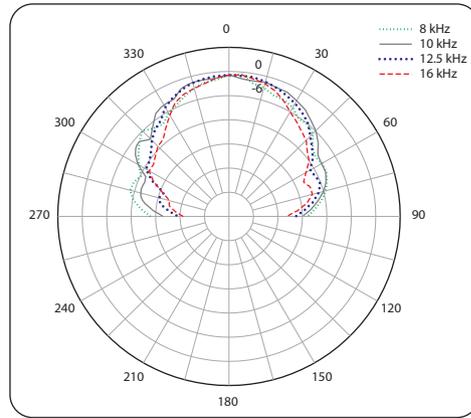
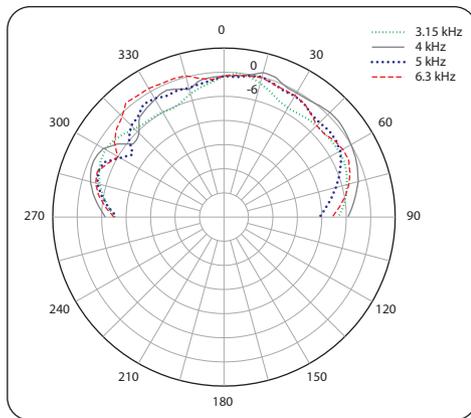
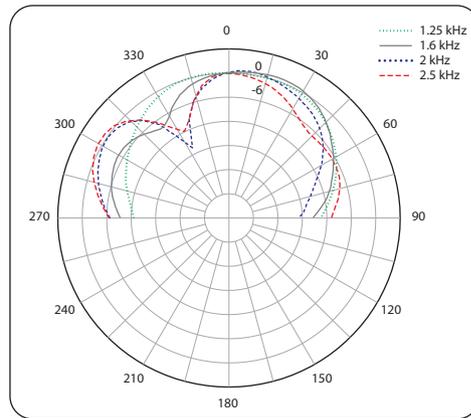
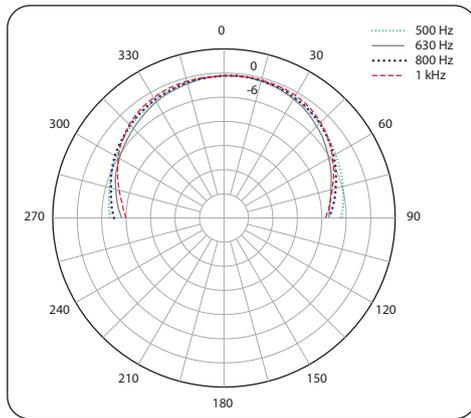
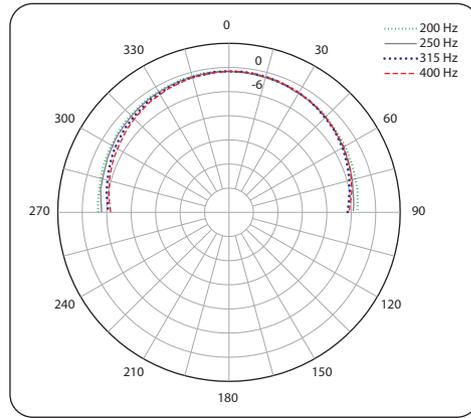
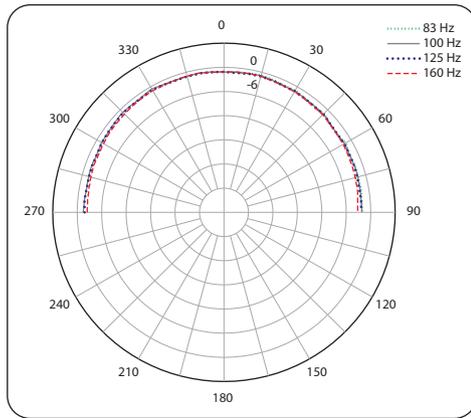


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## Vertical Polar Plots

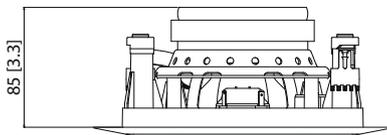


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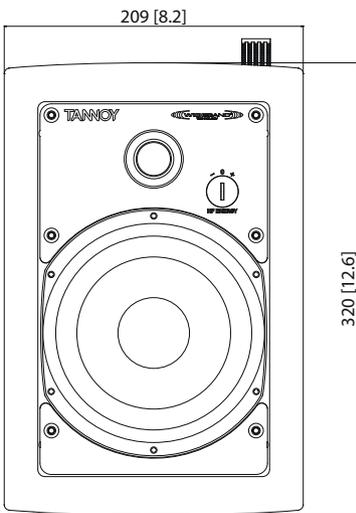
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2 Way 6" In-Wall Loudspeaker (White)

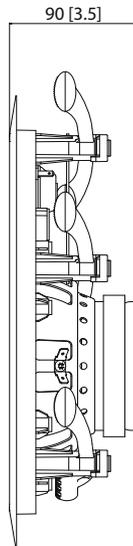
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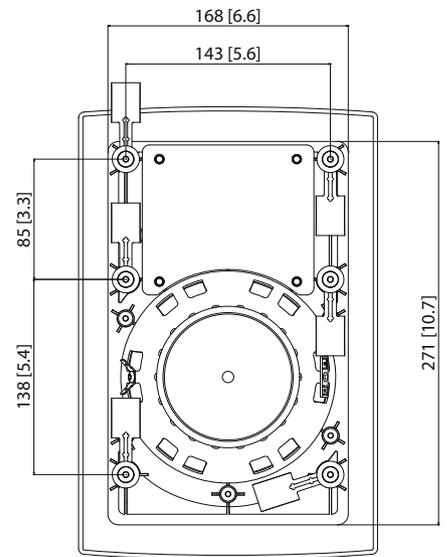
BOTTOM



FRONT



SIDES



BACK

## Install

# iW 6DS-WH

2 Way 6" In-Wall Loudspeaker (White)

## Technical Specifications

### Performance

Frequency response ( $\pm 3$ dB)	75 Hz - 20 kHz
Frequency response (-10 dB)	36 Hz - 20 kHz
Low frequency alignment (-6 dB)	36 Hz
Power handling (see note 1)	70 W continuous, 280 W peak
Recommended amplifier power	20 - 140 W @ 8 $\Omega$
System sensitivity	89 dB (2.83 V @ 1 m)
Nominal impedance	8 $\Omega$
Rated maximum SPL	107 dB continuous, 113 dB peak
Crossover	Passive, 2nd order LF, 2nd order HF
Crossover point	1.7 kHz
Crossover HF adjustment	$\pm 1.5$ dB

### Transducers

High frequency	25 mm (1") 25-micron titanium dome, neodymium magnet system
Low frequency	165 mm (6.5") multifibre paper pulp cone
Wiring	Positive, negative, ground

### Physical

Dimensions (H x W x D)	320 x 209 x 90 mm (12.6 x 8.2 x 3.5")
Mounting depth	99 mm (3.9")
Net weight	2.2 kg (4.9 lb)
Construction	Baffle panel: moulded UV Resistant ABS, Clamps: moulded polycarbonate
Finish	White, paintable
Grille	Powder coated perforated steel

#### Notes:

1. Long-term power handling capacity as defined in IEC standard IEC268-5
2. Averaged over specified bandwidth for half space environment. For anechoic conditions the figure is to be decreased by 3 dB
3.  $\pm 3$  dB, measured at 1 metre in anechoic chamber in a critically tuned enclosure.
4. Remove links when bi-amping or bi-wiring
5. Remove links in stereo operation

# iW 6DS-WH

2 Way 6" In-Wall Loudspeaker (White)

## Architecture & Engineering Specifications

The in-wall speaker shall consist of one 165 mm (6.50") bass unit and one 25 mm (1.00") high frequency driver mounted in an injection moulded front baffle manufactured from UV/weather resistant UL94V-0 ABS material. The two-way system shall incorporate an optimised low loss crossover network. The wiring terminals shall be screw terminal connectors.

Performance of the in-wall speaker shall meet or exceed the following criteria: The system shall have a coverage angle of 130 degrees (1 kHz to 6 kHz). Frequency response measured on axis shall be 36 Hz - 20 kHz (-10 dB from rated sensitivity, measured in an IEC baffle in an anechoic chamber) with no equalization. Sensitivity shall be 89 dB (1 W @ 1 m). Long term power handling capacity as defined in EIA-426B test shall be 70 W, recommended amplifier power 140 W @ 8 Ohms. The nominal system impedance shall be 8 Ohms.

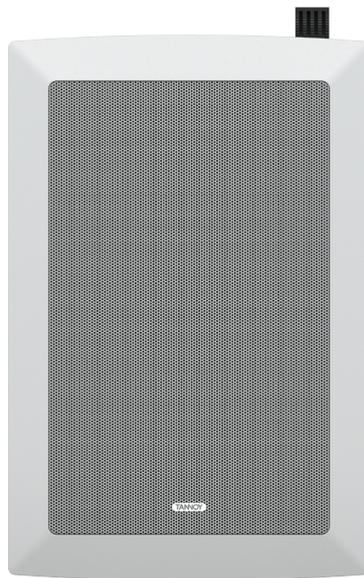
A weather resistant perforated steel grille covers the transducer. Both the grille and baffle shall be paintable. The system shall not exceed the following dimensions: 320 x 209 x 90 mm or 12.60 x 8.25 x 3.5" (H x W x D). Hole cutout size shall be 271.50 x 168.50 mm (10.71 x 6.63").

The [Tannoy](#) in-wall speaker system shall be the.....iw6 DS-WH.

Install

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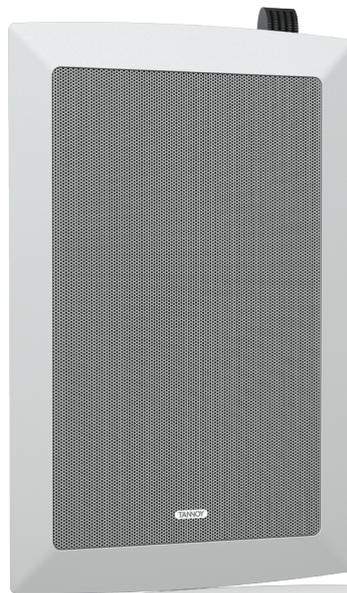
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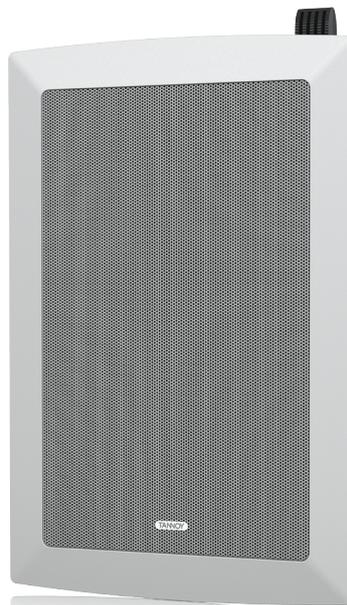
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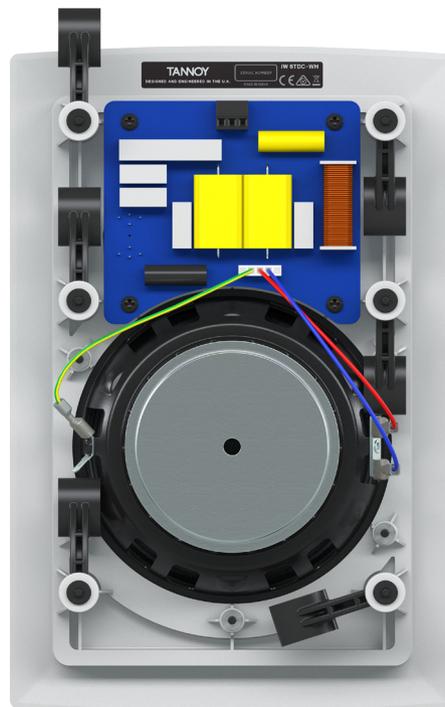
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# TANNOY