



## Product Description

Designed for a wide variety of sound reinforcement applications, the Tannoy Di5a is an ultra compact, high performance, active surface mount loudspeaker system capable of delivering high sound pressure levels with extremely low distortion. A full bandwidth loudspeaker designed for commercial, professional and residential applications where durability and high quality sonic performance are required. These speakers are ideally suited to stereo or monaural background or foreground music systems in such applications as diverse as theme parks, retail premises, restaurants and cafés, corporate audio visual, residential developments and houses of worship.

Equipped with Tannoy's unique and exclusive point source ICT™ 110mm (4.50") drive unit, the Di5a delivers an acoustic performance of outstanding clarity, definition and detail. This ICT™ (Inductive Coupling Technology) drive unit addresses the two most common component failures experienced in background music and sound reinforcement systems; the tweeter and the crossover reliability. The use of a wireless electromagnetic tweeter means that no crossover is required in the design; this therefore ensures that an ICT™ unit cannot be burned out through system misuse or by constant heavy usage. The mineral loaded polypropylene cone material and nitrile rubber surround further enhance durability and long-term reliability. The 90 degree conical dispersion characteristic of the speaker ensures it can be mounted in either vertical or horizontal orientations on the wall or ceiling with no compromise to performance and vocal intelligibility.

Available in textured black or white painted finish with matching rubber trims, the outstandingly durable and scuff resistant enclosure is manufactured from high impact polystyrene (HIPS) with a powder coated perforated steel grille. The speaker may be painted to suit the décor of the installation, while further architectural modification is possible by application of alternative colour trims.

Two standard colour trim options are available from stock; enabling black or white product to be supplied factory pre-fitted with either red or blue trims. Other trim colours can also be created to suit specific requirements, but only as a special order customisation subject to minimum order quantities. Primarily aimed at corporate branding applications, this aesthetic flexibility will also enable colour coordination for larger installs.

## Features

- 110mm (4.50") ICT™ transducer for high performance and durability
- 90 degree controlled conical dispersion for optimum coverage and forward gain
- High power handling and extended bandwidth
- Phase coherent design for superior vocal articulation and music reproduction
- Yoke bracket supplied, optional accessories include pole mount adaptor
- Five year loudspeaker warranty

## Applications

- Indoor or outdoor commercial, professional and residential installations
- High level stereo or monaural background or foreground music and speech paging systems
- Theme parks
- Theme bars
- Reception / waiting rooms
- Airports, convention centres and hotels
- Business music systems
- Boardrooms and offices
- Cruise ships
- Retail outlets and shopping malls
- Restaurants and cafes
- Corporate audio visual
- Residential developments
- Houses of worship

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## TECHNICAL SPECIFICATIONS

System	Di5a
Frequency Response (-3dB) <sup>(1)</sup>	100Hz - 25kHz
Frequency Range (-10dB) <sup>(1)</sup>	90Hz - 30kHz
Dispersion (-6dB)	90 degrees conical
<b>Driver Complement</b>	
Low Frequency	1x 110mm (4.50") Mineral loaded polypropylene
High Frequency	25mm (0.98") ICT™
<b>Crossover</b>	7kHz Inductively Coupled ICT™
<b>Directivity Factor (Q)</b>	5.3 averaged 1kHz to 10kHz
<b>Directivity Index (DI)</b>	6.6 averaged 1kHz to 10kHz
<b>Rated Maximum SPL 2</b>	103dB (average) 109dB (peak)
<b>Power Output</b>	30W RMS
<b>Distortion</b>	
<b>10% Full Power (4.25V)</b>	2nd Harmonic    3rd Harmonic
250Hz	1.33%            0.25%
1kHz	0.62%            0.16%
10kHz	1.43%            0.35%
<b>1% Full Power (1.34V)</b>	2nd Harmonic    3rd Harmonic
250Hz	0.41%            0.10%
1kHz	0.23%            0.07%
10kHz	0.32%            0.18%
<b>Input Sensitivity</b> (for maximum input)	775mV (balanced) 500mV (unbalanced)
<b>Input Impedance</b>	11k Ohm (balanced) 7k Ohm (unbalanced)
<b>Protection Circuitry</b>	Thermal Soft Limiting
<b>Supply</b>	100 - 240V AC, 50 - 60Hz Fuse T1AL 250V
<b>Power Consumption</b>	76VA maximum

Construction	
<b>Enclosure</b>	High impact polystyrene (HIPS),
<b>Grille</b>	Steel
<b>Finish</b>	Textured black or white paint with matching rubber trims, Factory fitted custom trim colours available to special order
<b>Connectors</b>	6 way euro-type input / output connector Unbalanced RCA (phono) input Mains inlet IEC type C13
<b>Fittings</b>	2 x M8 yoke bracket inserts
<b>Supplied Accessories</b>	Yoke bracket
<b>Optional Accessories</b>	Pole mount adaptor
<b>Dimensions</b>	240.7 x 155.0 x 162.0mm 9.47 x 6.10 x 6.38"
<b>NET Weight</b>	2.40kg (5.3lbs)

### Notes

- (1) Average over stated bandwidth. Measured at 1 metre on axis in an anechoic chamber  
(2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber

A full range of measurements, performance data, and Ease™ Data can be downloaded from [www.tannoy.com](http://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 notice. Please verify the latest specifications when dealing with critical applications.

### Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY	PACKED WEIGHT
8001 4030	Di5a (110V)	Black	2	TBA
8001 4031	Di5a (230V UK & EU)	Black	2	TBA
8001 4032	Di5a (110V)	White	2	TBA
8001 4033	Di5a (230V UK & EU)	White	2	TBA

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