



## Product description

The Tannoy AMS 5ICT is a wide bandwidth, high power-handling and high sensitivity surface mount loudspeaker designed with an aesthetic that is perfect for the architectural considerations of building design, the elegantly styled moulded enclosures blend beautifully into any décor with custom colour being available on special order. Additionally the new AMS models have undergone the most punishing environmental testing of any product in Tannoy's history – achieving an IP64 rating, which is among the highest in the industry for outdoor use.

Incorporating a newly refined version of Tannoy's proprietary ICT™ point-source driver, the AMS 5ICT has been re-engineered for optimum compatibility with Lab.gruppen commercial amplifiers while also delivering consistent broadband directivity, precise articulation for voice and music, and exceptional long-term reliability.

The point source configuration of the Tannoy ICT driver's mid-bass and tweeter sections ensures a wide and controlled dispersion for optimum coverage, avoiding the significant energy losses in the vertical plane at the crossover frequency that are inherent in typical two-way designs. The ICT (Inductive Coupling Technology) drive unit also addresses two common component failures in background music systems: the tweeter and the crossover. Use of wireless electromagnetic coupling to drive the tweeter means that no crossover is required, making the ICT drive unit exceptionally reliable and ideal for applications where constant heavy usage is the norm. The mineral-loaded polypropylene cone material and nitrile rubber surround further enhance durability and long-term reliability.

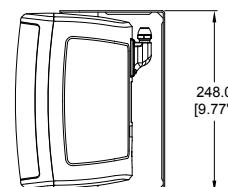
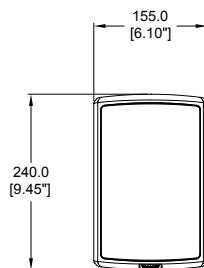
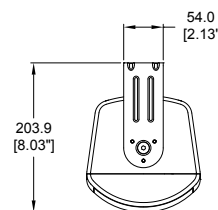
The AMS range utilises a 16 ohm driver, making it ideal for use in high performance low-impedance systems (with optimized performance when used in conjunction with Lab.gruppen LUCIA amplifiers). Alternatively, for constant voltage systems, Tannoy have specified as standard, high quality low-insertion loss 30 W transformers featuring switching for taps at 30 W, 15 W and 7.5 W, with an additional 3.75 W tap for traditional systems.

## Features

- 130 mm (5.00") ICT transducer for high performance and durability
- 90 degree controlled conical dispersion for optimum coverage and forward gain
- Weather resistant rated IP65 to EN60529 (IEC529)
- High power handling and extended bandwidth
- Phase coherent design for superior vocal articulation and music reproduction
- No crossover required, ensuring better phase, impedance and sensitivity response and increased durability
- 16-ohm drivers optimized for use with Lab.gruppen LUCIA amplifiers
- Yoke bracket included; optional any-angle accessory bracket available
- Thickened 4 mm high temperature molded cabinets
- Custom color options

## Physical data

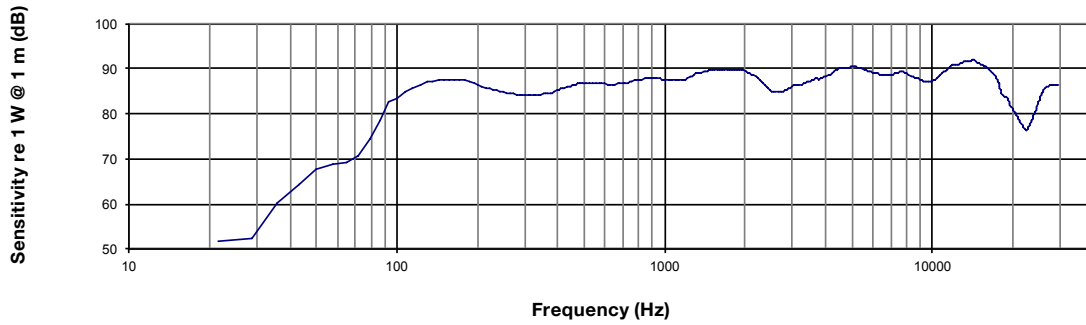
<b>Dimensions (H x W x D):</b>	248.0 x 155.0 x 203.9 mm, (9.77 x 6.10 x 8.03")
<b>Net Weight:</b>	3.25 kg (7.16 lbs)
<b>Enclosure:</b>	ABS
<b>Finish:</b>	Black or white



## Applications

- Multi-zone foreground music and paging
- Boardrooms, offices and courtrooms
- Business music systems
- Airports, convention centres and hotels
- Auxiliary systems in houses of worship
- Lounges and bars
- Cruise ships

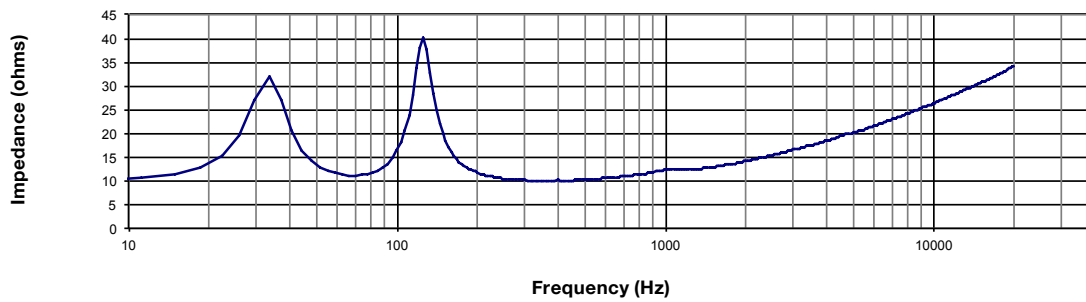
### 1 m on-axis Frequency Response



### Anechoic Frequency Response

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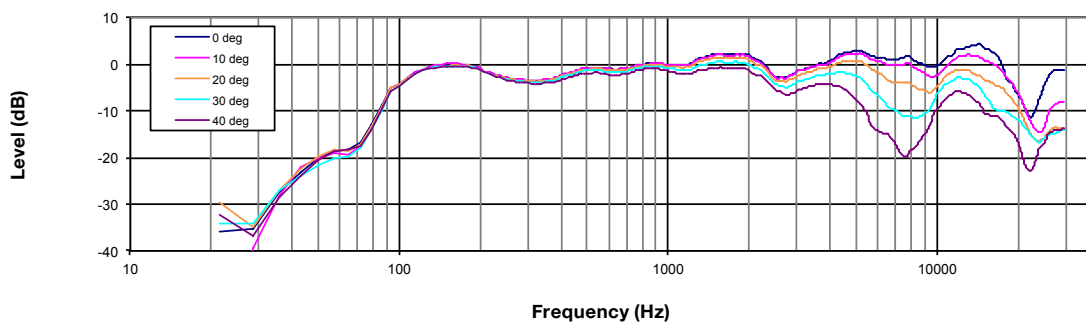
### Impedance vs frequency



### Impedance

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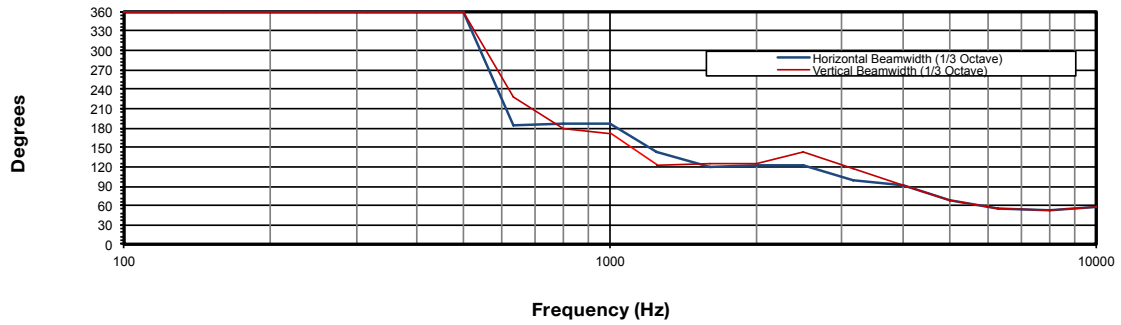
### Off-axis Frequency Response



### Off Axis Response

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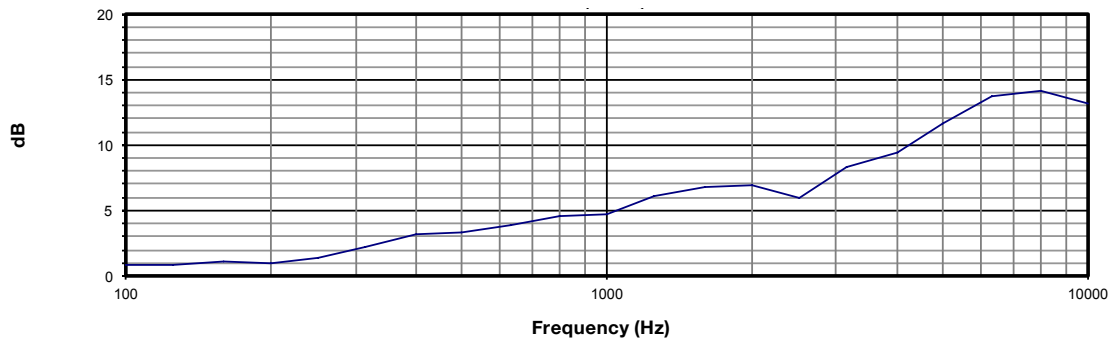
### Beamwidth vs Frequency



## Beamwidth

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### Directivity Index (DI)



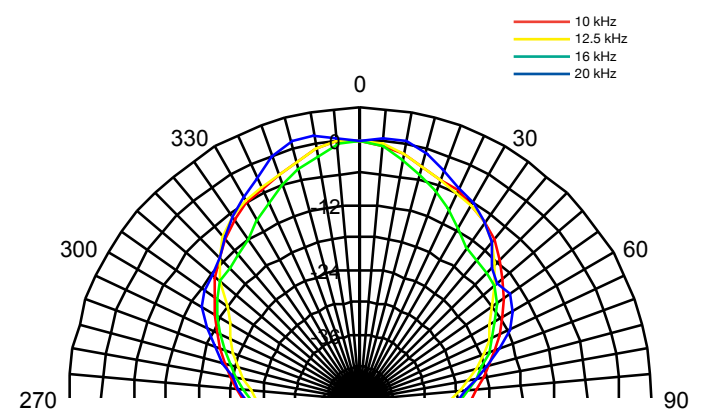
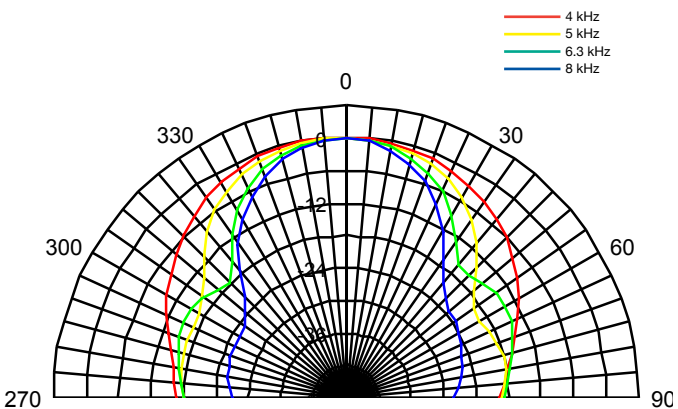
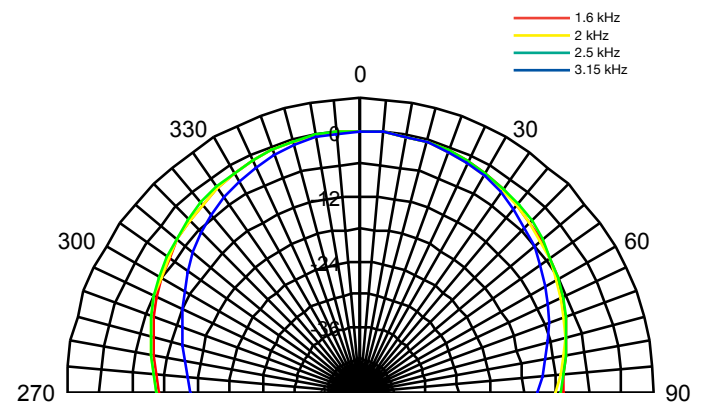
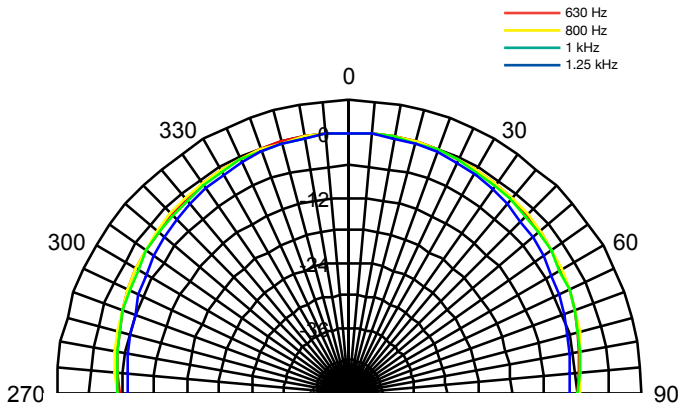
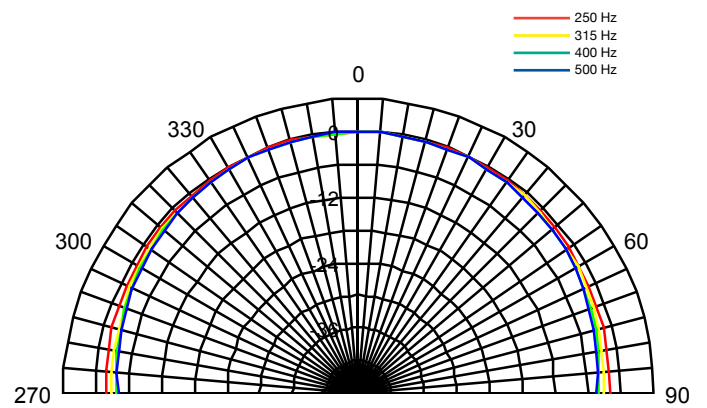
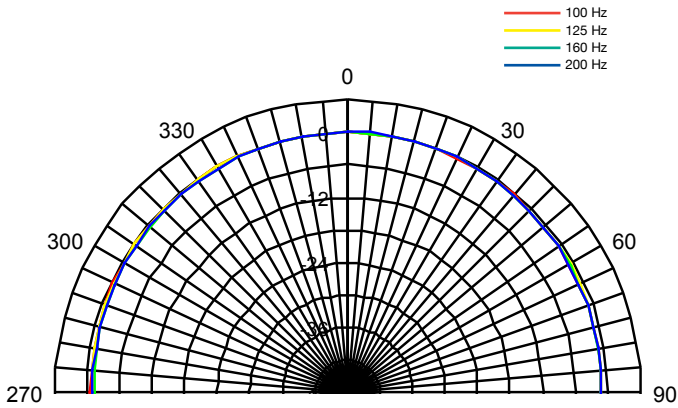
## Directivity Index

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# Technical Data Sheet

## Polar plots (1/3 octave)

# AMS 5ICT



# Technical Data Sheet

## Specifications

# AMS 5ICT

### Performance

<b>System</b>	AMS 5ICT
<b>Frequency response (-3 dB) <sup>(1)</sup></b>	90 Hz - 22 kHz
<b>Frequency range (-10 dB) <sup>(1)</sup></b>	80 Hz - 30 kHz
<b>System sensitivity (1 W @ 1m) <sup>(2)</sup></b>	88 dB (1 W = 4 V for 16 Ohms)
<b>Nominal Coverage Angle</b>	90 degrees conical
<b>Power Handling <sup>(3)</sup></b>	
Average	50 W
Programme	100 W
Peak	200 W
<b>Recommended Amplifier Power</b>	100 W @ 16 ohms
<b>Nominal Impedance (Lo, Z)</b>	16 ohms
<b>Rated maximum SPL</b>	
Average	105 dB
Peak	111 dB
<b>Transformer Taps (via front rotary switch)</b>	
70 V	30 W / 15 W / 7.5 W / 3.75 W / OFF & Low impedance operation
100 V	30 W / 15W / 7.5W / OFF & Low impedance operation

### Transducers

<b>Low Frequency</b>	1x 130 mm (5.00") treated multi fibre paper pulp cone
<b>High Frequency</b>	ICT™

### Physical

<b>Enclosure</b>	ABS
<b>Grille</b>	Steel, plated and painted
<b>Connectors</b>	Removable locking connector with screw terminals
<b>Transformer setting</b>	Rotary switch
<b>Dimensions (H x W x D)</b>	248.0 x 155.0 x 203.9 mm (9.77 x 6.10 x 8.03")
<b>Net Weight (ea)</b>	3.25 kg (7.16 lbs)
<b>Shipped weight</b>	3.66 kg (8.07 lbs)
<b>Included Accessories</b>	Yoke bracket
<b>Packed Quantity</b>	2

### Ordering Information

Part Number	Colour
8001 7955	Black
8001 7956	White



#### Notes:

1. Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
2. Unweighted pink noise input, measured at 1 metre on axis
3. Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease™ Data for AMS 5ICT can be downloaded from [www.tannoypro.com](http://www.tannoypro.com).

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

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**Technical Data Sheet**

Notes

**AMS 51CT**

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