





Features

- 90 degree controlled conical dispersion for optimum coverage and forward gain
- Weather resistant rated IP65 to EN60529 (IEC529)
- · High power handling and extended bandwith
- 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

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

Product description

The Tannoy AMS 6ICT 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 availiable on special order. Additionally the new AMS models have undergone the most punishing environmental testing of any product in Tannoy's history – achieving an IP65 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 6ICT 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 60 W transformers featuring switching for taps at 60 W, 30 W and 15 W, with an additional 7.5 W tap for traditional systems.

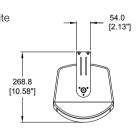
Physical data

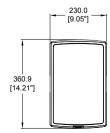
Dimensions (H x W x D): 364.8 x 230.0 x 268.8 mm, (14.36 x 9.05 x 10.58")

Net Weight: 5.14 kg (11.33 lbs)

Enclosure: ABS

Finish: Black or white





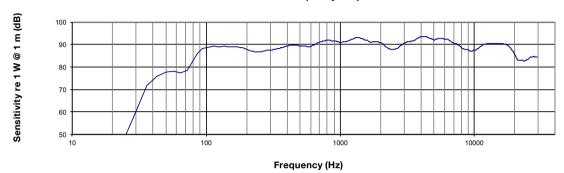




Technical Data Sheet

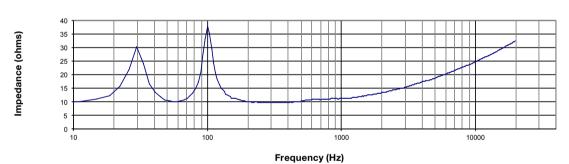
Performance measurements

1 m on-axis Frequency Response



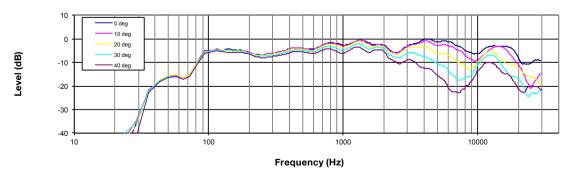
Anechoic Frequency Response

Impedance vs frequency



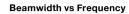
Impedance

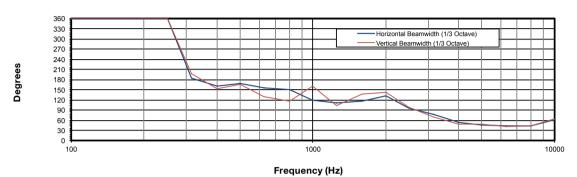
Off-axis Frequency Response



Off Axis Response

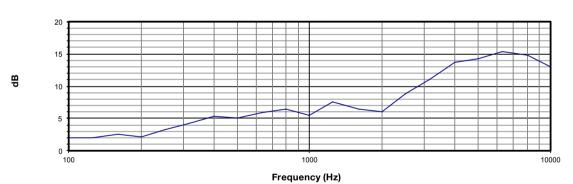
Performance measurements





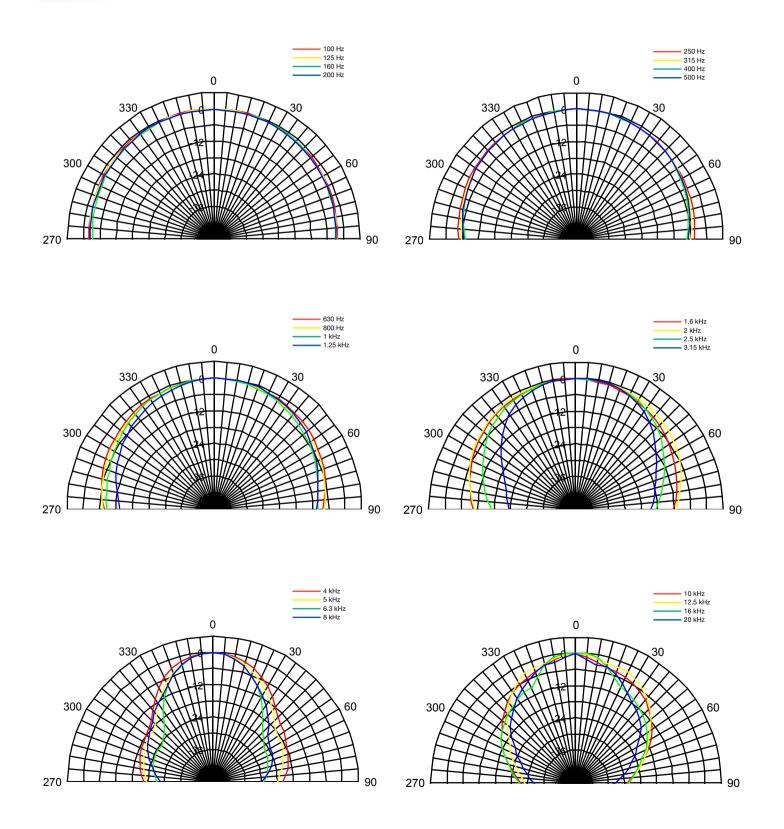
Beamwidth

Directivity Index (DI)



Directivity Index

Polar plots (1/3 octave)



Technical Data Sheet

AMS GICT

Specifications

 Performance
 AMS 6ICT

 System
 AMS 6ICT

 Frequency response (-3 dB) (1)
 75 Hz - 22 kHz

 Frequency range (-10 dB) (1)
 55 Hz - 30 kHz

System sensitivity (1 W @ 1m) (2) 90 dB (1 W = 4 V for 16 ohms)

Nominal Coverage Angle 90 degrees conical

Power Handling (3)

 Average
 60 W

 Programme
 120 W

 Peak
 240 W

Recommended Amplifier Power 120 W @ 16 ohms

Nominal Impedance (Lo, Z) 16 ohms

Rated maximum SPL

Average 108 dB Peak 114 dB

Transformer Taps (via front rotary switch)

70 V 60 W / 30 W / 15 W / 7.5 W / OFF & Low impedance operation

 $100\,\mathrm{V}$ $60\,\mathrm{W}\,/\,30\,\mathrm{W}\,/\,15\,\mathrm{W}\,/\,\mathrm{OFF}$ & Low impedance operation

 Transducers

 Low Frequency
 1 x 165 mm (6.50") treated multi fibre paper pulp cone

 High Frequency
 ICT

Physical Enclosure ABS

Grille Steel, plated and painted

Connectors Removable locking connector with screw terminals

Transformer setting Rotary switch
Dimensions (H x W x D) 364.8 x 230.0 x 268.8 mm

 (14.36 x 9.05 x 10.58")

 Net Weight (ea)
 5.14 kg (11.33 lbs)

 Shipped weight
 5.82 kg (12.83 lbs)

 Included Accessories
 Yoke bracket

Packed Quantity 2

Ordering Information
Part Number Colour
8001 7980 Black
8001 7981 White



Notes:

- . Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
- 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 6ICT can be downloaded from 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 apolications.

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Technical Data Sheet Notes

AMS GICT

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