

C-650D

PoE Dante Ceiling Speaker

6.5" Coaxial • 50 W • Dante • PoE

50

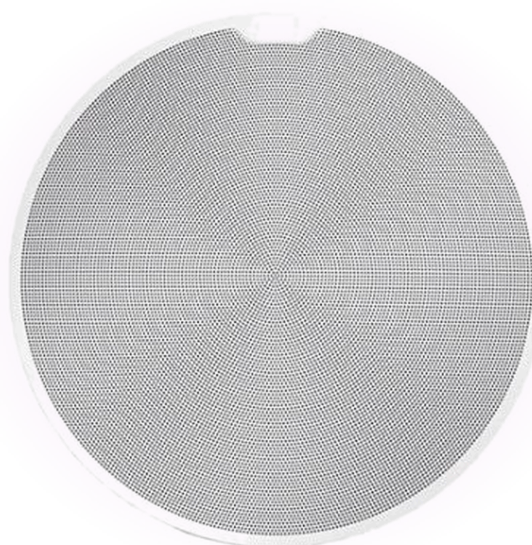
W rated (200 W peak)

109

dB SPL

176

mm embedded depth



6.5" Coaxial
+ 1" Dome



50 W
200 W Peak



Dante
Audio over IP



PoE
af / at / bt



8 × N42
Magnetic Grille



Flush Mount
176 mm Depth

Key Features

- ✓ 6.5" coaxial driver with 1" dome tweeter.
- ✓ Built-in PoE power module and built-in Dante audio module: one RJ-45 cable carries both audio and power.
- ✓ PoE input compatible with IEEE 802.3af / 802.3at / 802.3bt.
- ✓ Built-in amplifier with single-stage DC-AC power conversion, soft switching, bidirectional energy recovery and precise PSM (phase modulation).
- ✓ Audio routing managed in Dante Controller.
- ✓ High sound pressure level output and large dynamic range.
- ✓ Front wiring design for convenient installation.
- ✓ Grille held by 8 high-strength N42 magnets.
- ✓ Compact embedded depth of 176 mm, suitable for narrow ceiling voids.
- ✓ Natural convection cooling; metal mesh grille, ABS panel and iron back can.

Specifications

Model	C-650D
Description	6.5" Coaxial PoE / Dante Ceiling Speaker
Speaker Unit	1 × 6.5" + 1 × 1" dome, coaxial design
Rated Impedance	8 Ω
Rated Power	50 W (200 W peak)
Frequency Response	85 Hz – 20 kHz
Sensitivity (1 W / 1 m)	89 dB
Max. SPL (rated band)	109 dB
Input Interface	RJ-45
Audio Protocol	Dante (routing via Dante Controller)
Power Input	PoE, IEEE 802.3af / 802.3at / 802.3bt
Cooling	Natural convection
Materials	Metal mesh grille, ABS panel, iron back can
Total Height / Embedded Depth	197 mm / 176 mm

Front View



Magnetic metal mesh grille

Installation Dimensions

197 mm

Total Height

176 mm

Embedded Depth

RJ-45 (PoE + Dante)

Input

Natural convection

Cooling

Tender Specification

The ceiling loudspeaker shall use a 6.5" coaxial driver with a 1" dome tweeter, with a built-in amplifier, PoE power module and Dante audio module, receiving audio and power over a single RJ-45 cable (IEEE 802.3af / at / bt). Rated power shall be 50 W (200 W peak) at 8 Ω , with a frequency response of 85 Hz – 20 kHz, a sensitivity of 89 dB (1 W / 1 m) and an SPL of 109 dB. It shall have front wiring, a metal mesh grille retained by 8 N42 magnets, an ABS panel and an iron back can, with natural convection cooling. Total height shall be 197 mm, with an embedded depth of 176 mm.