CL-6D

6.5” PoE powered, Dante, in-ceiling speaker

Note: Download the Kramer Speaker Manager (.exe) and installation instructions from the Resources tab.

Kramer’s CL-6D is a premium 6.5” in-ceiling PoE-powered Dante speaker, engineered to deliver exceptional audio performance and effortless integration in modern commercial spaces. Optimized for both speech intelligibility and high-quality background music, the CL-6D is perfectly suited for meeting rooms, auditoriums, retail spaces, and hospitality environments.
Equipped with a built-in amplifier, DSP, and mixer, the CL-6D supports two-channel mixing and advanced tuning capabilities including parametric EQ, high-pass/low-pass filters, input compression, output limiting, power management, and a “Find Me” tone—easily configured through Kramer’s intuitive Speaker Utility software.
To streamline installation and servicing, the CL-6D features front-access wiring, a reset button, and is supplied with both black and white magnetic grilles to blend seamlessly into any ceiling. The CL-6D also supports remote management and control via Kramer Control or third-party systems using its robust API

FEATURES

Exceptional sound performance

Complies with UL1480A for indoor installations (made from V-0 flame retardant materials)

Supports PoE++/PoE+/PoE (auto-negotiate)

Built-in mixer, DSP, and amplifier for two-channel mixing, parametric EQ, High pass and low pass filters, input compressor, output limiter and advanced power settings

Features a built-in “Find Me” tone, making it easy to identify and locate individual speakers during installation or maintenance

Power handling: 10W continuous / 30W peak

Sound Pressure Level (SPL): - Sensitivity (1W@1m, free field): 90dB SPL
Maximum SPL: Continuous: 100dB SPL / Peak: 105dB SPL

Regulatory compliance: - IEC62368(CB) / CE LVD, UL62368-1
FCC+IC, BIS, RCM
RoHS, REACH, WEEE

Industrial design: - wall-mounted, tool-less installation, available in black & white colors, removable logo

The CL-6D PoE-powered Dante in-ceiling speaker is a premium audio solution designed for professional networked audio installations. It delivers high-performance sound with excellent speech clarity and background music reproduction, making it ideal for meeting rooms, auditoriums, and commercial spaces where quality, flexibility, and clean ceiling integration are essential

Included in the box: - 1 speaker (single unit), 2 speakers are packed in a single master box
Installation kit including C-ring, bracket bolts, UL cable passthrough, Silicon cable passthrough, zip tie for securing the speaker cable (mounting rails (CSMR) are not included and should be purchased separately)
2 magnetic grills (1 white and 1 black per speaker)
Cutout template
Quick Start Guide

TECHNICAL SPECIFICATIONS

DESCRIPTION:	Premium 6.5” In-Ceiling PoE Powered Dante Speaker
Audio	Driver: LF Driver: 165 mm (6.5 in) high output driver with polypropylene cone and rubber surround HF Driver: 19 mm (0.75 in) liquid cooled soft-dome tweeter Frequency characteristics Frequency Range (-10dB): 70Hz-20kHz Frequency Response (±3dB): 80Hz-18kHz Dispersion angle: 106deg. (1 kHz to 4 kHz) Power handling: PoE++: 10W continuous / 30W peak PoE+: 10W continuous / 20W peak PoE: 10W continuous / 10W peak Sound Pressure Level (SPL): Sensitivity (1W@1m, free field): 88dB SPL Maximum SPL: PoE++: Continuous: 98dB / Peak: 103dB PoE+: Continuous: 98dB / Peak: 101dB PoE: Continuous: 98dB / Peak: 98dB
MECHANICAL	Installation Type: In-ceiling speaker installation with brackets and C-ring Mounting: 4-point screw down Dog-Ear clamp, up to 60mm / 2.36” ceiling thickness Connectors: RJ-45, factory reset button Cutout: Cutout template included in the box Weight per single speaker: 3.5kg (7.7lbs) Dimensions Depth (ceiling clearance): 220mm / 8.7” Back enclosure outer diameter: 250mm / 9.9” Cutout diameter: 252mm / 9.92” Grill diameter: 282mm / 11.1” Shipping Packed as single, 2 single boxes are packed in a master box Shipping dimensions (single unit): 400mm x 400mm x 298mm / 15.8" x 15.8" x 11.8" Shipping dimensions (2 units in a Master box): 410mm x 410mm x 618mm / 16.2" x 16.2" x 24.4" Shipping weight (single unit): 5.1Kg / 11.3lbs Shipping weight (2 units in a Master box): 10.9Kg / 24lbs Material

	Grill: Black/White Powder Coated Steel, Magnetic, with cloth, paintable, removable logo
	Baffle: V−0 Flame Retardant
	Back enclosure: powder−coated steel
	Environmental Operating Temperature: −5° to +50°C (23°F to 122°F.)
	Storage Temperature: −10° to +55°C (14°F to 131°F.)
	Humidity: 30% to 85%, RHL non–condensing
	UL2043 Certified: Plenum rated for safe use in air−handling spaces, meeting fire & smoke standards
	U1480A compliant: Safety standards for fire−protective signaling in commercial spaces
BALANCED LINE LEVEL INPUT	Packaging: Eco−friendly mono−material packaging made entirely from recyclable cartons, designed for durability and ease of recycling
REGULATORY	Safety IEC 62368 (CB) / CE LVD: Safety standard for audio equipment addressing risks related to electrical, mechanical, and environmental factors in low−voltage devices
	UL 62368-1: safety of audio, equipment by addressing potential hazards through risk−based performance criteria for electrical and mechanical systems
	BIS (India): safety, quality, and performance requirements specific to the Indian market
	RCM: (Regulatory Compliance Mark) electrical safety, electromagnetic compatibility (EMC), and radiofrequency (RF) standards for products in Australia and New Zealand
	EMI FCC / IC: Compliance with regulations for electromagnetic interference (EMI) and radio frequency (RF) emissions, ensuring that devices operate safely and do not cause harmful interference
	Environmental: RoHS, REACH, WEEE
Accessories	In the Box 1 speaker (single unit), 2 speakers are packed in a single master box Installation kit including C−ring, bracket bolts, UL cable passthrough, Silicon cable passthrough, zip tie for securing the speaker cable (mounting rails (CSMR) are not included and should be purchased separately) 2 magnetic grills (1 white and 1 black per speaker) Cutout template Quick Start Guide