



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



kramer

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 (± 3 dB): 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)
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