



PN-6D

6.5", 2-way, PoE powered Dante pendant speaker



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

Kramer PN-6D is a high-performance 6.5" PoE-powered Dante pendant speaker, combining premium sound quality with a sleek, modern design, making it ideal for open-ceiling installations and spaces where aesthetics matter. Engineered as a coaxial speaker, it delivers clear, full-range sound optimized for background music and speech applications in professional environments.

Designed with the system integrator in mind, the PN-6D features a built-in amplifier, DSP, and Dante audio networking, enabling simplified infrastructure and centralized audio management. Advanced audio processing and configuration – including parametric EQ, filters, dynamics, power management, and firmware updates – are managed through Kramer's intuitive Speaker Utility software.

The PN-6D supports PoE++, PoE+, and PoE with automatic negotiation, eliminating the need for external amplifiers and reducing installation complexity. The speaker is available in white color

FEATURES

Premium sound with high SPL

PoE-powered Dante audio networking

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

Built-in amplifier, DSP, and mixer for two-channel mixing

Advanced audio processing including parametric EQ, high-pass and low-pass filters, input compression, output limiting, and power management

Integrated "Find Me" tone for easy speaker identification during installation and 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

Supports AES67 streams when enabled in Dante Controller

Regulatory compliance: - IEC62368(CB) / CE LVD, UL62368-1

FCC+IC, BIS, RCM

RoHS, REACH, WEEE

Industrial design: - Industrial design: pendant mounting, available in white color, removable logo

Eco-friendly mono-material packaging

The PN-6D Pendant Speaker is a premium, networked audio solution for delivering high-performance, high-quality sound in professional Dante-based open-ceiling installations

Included in the box: - 1 speaker (single unit), 2 speakers are packed in a single master box
1 suspension cable kit

Quick Start Guide



TECHNICAL SPECIFICATIONS

DESCRIPTION:	6.5", 2-way, PoE powered Dante pendant 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): 65Hz–20kHz Frequency Response (±3dB): 85Hz–18kHz Dispersion angle: 108deg. (1 kHz to 4 kHz) Power handling: PoE++: 10W continuous / 30W peak PoE+: 10W continuous / 20W peak PoE: 10W continuous / 10W peak OCM (Over-Current Protection): Monitors input current and reduces gain to prevent damage OSP (Output Shortcut Protection): Shuts down and restarts the amplifier if a shortcut is detected OTM (Over-Temperature Protection): Automatically lowers volume if overheating is detected, restoring it once temperature normalizes Maximum SPL: PoE++: Continuous: 100dB / Peak 105dB PoE+: 100dB / Peak 103dB PoE: 100dB / Peak 100dB
MECHANICAL	Installation Type: Pendant ceiling speaker Mounting: Suspension cable systems including: 4.5m / 177" long 2mm / 0.08" diameter high-tensile galvanized-steel wire with spring-clip carabiner for clipping onto the loudspeaker bracket and a gripple fastener for adjusting speaker height. Cable have SWL rating of 45 kg / 100lbs Connectors: RJ-45, factory reset button Dimensions Speaker height (w/o mounting bracket): 312mm / 12.3" Speaker height (including mounting bracket): 333mm / 13.1" Speaker outer diameter: 224mm / 8.82" Minimum distance between the grill and the ceiling: 380mm / 15" Shipping Packed as single, 2 single boxes are packed in a master box Eco-friendly mono-material recyclable carton Shipping Dimensions (single unit): 330mm x 330mm x 395mm / 13" x 13" x 15.6" Shipping Dimensions (2 units in a master box): 668mm x 338mm x 413mm / 26.3" x

13.3" x 16.3"

Shipping weight (single unit): 4.10Kg / 9lbs

Shipping weight (2 units in a Master box): 8.8Kg / 19.4lbs

Material

Grill: Black/White Powder Coated Steel, Magnetic, with cloth, paintable, removable logo

Baffle & back enclosure: V-0 flame-retardant material

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

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

1 suspension cable kit

Quick Start Guide



CONFIGURATIONS

PN-6D-(W)-(SINGLE)	6" PoE powered Dante pendant speaker, white (single unit)
--------------------	---
