

Dante Ceiling Speakers

▶ (SPK-DPC-25 / SPK-APC-25)

▶ INTRODUCTION

The Dante/AES67 Ceiling Speaker is a high-performance, full-range speaker that's easy to install. It's designed with advanced linear sound source technology, making it an ideal choice for delivering background music and vocal performances across a wide variety of applications and installations. Its 6.5" LF and 1" HF speaker drivers offer excellent dispersion, a wide bandwidth, and a smooth frequency response. It's the top pick for contemporary overhead installations in both commercial and residential settings.

The ceiling speaker is highly cost-effective and energy-efficient. It uses just a single network cable to handle power supply distribution, audio signal transmission, and control functions.



▶ KEY FEATURES

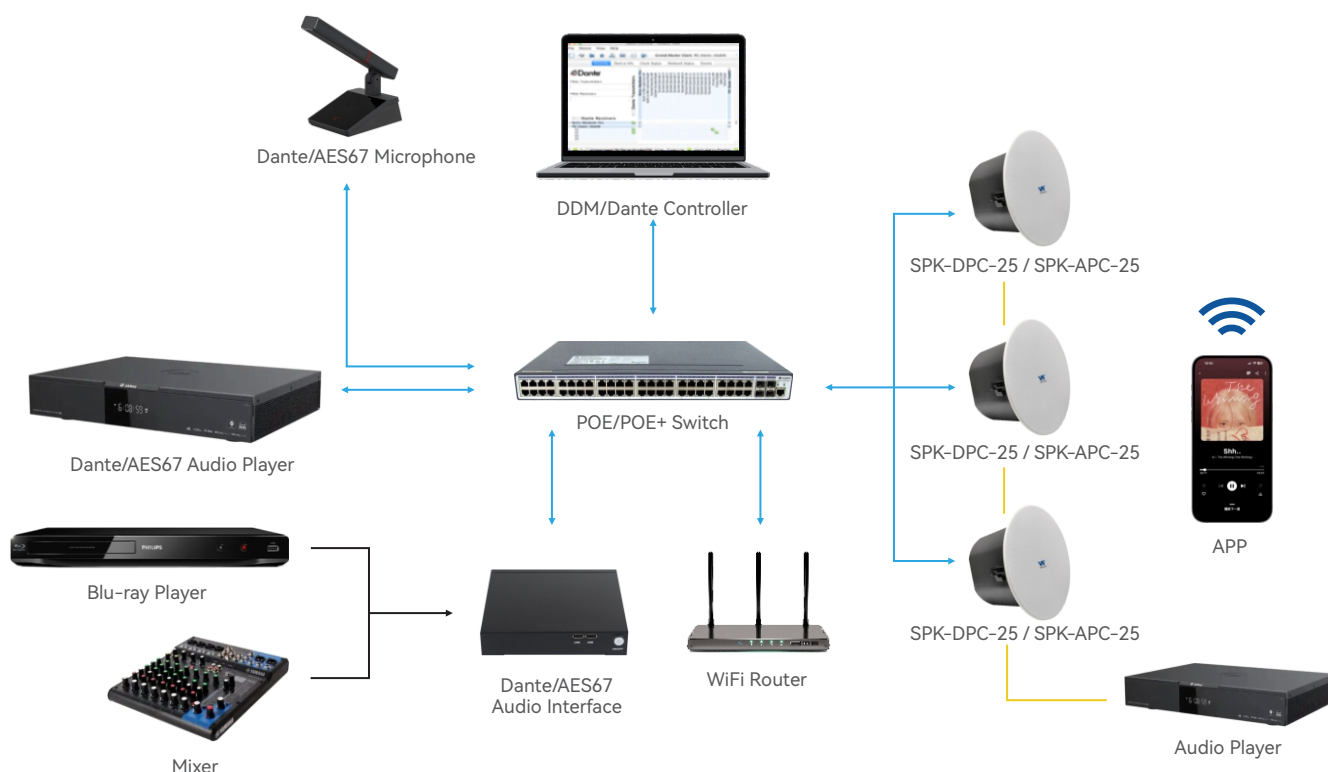
- ▶ Dante Domain Manager and Dante Controller compatible;
- ▶ Seamless integration with 3rd-party audio systems via REST API;
- ▶ Built-in amplifier module, digital signal processing with 21-band EQ filters;
- ▶ POE/POE+ enabled, power/audio/control transmitted within one cable;
- ▶ 2-way driver system with 6.5" woofer and 1" tweeter;
- ▶ 2 Dante/AES67 audio input, 1 analog audio input, flexible for remote and local audio playback;
- ▶ Trigger signal in/out for quick integration with 3rd-party alarm system;
- ▶ Removable magnetic grille seamlessly covers the entire loudspeaker.

TECHNICAL SPECIFICATIONS

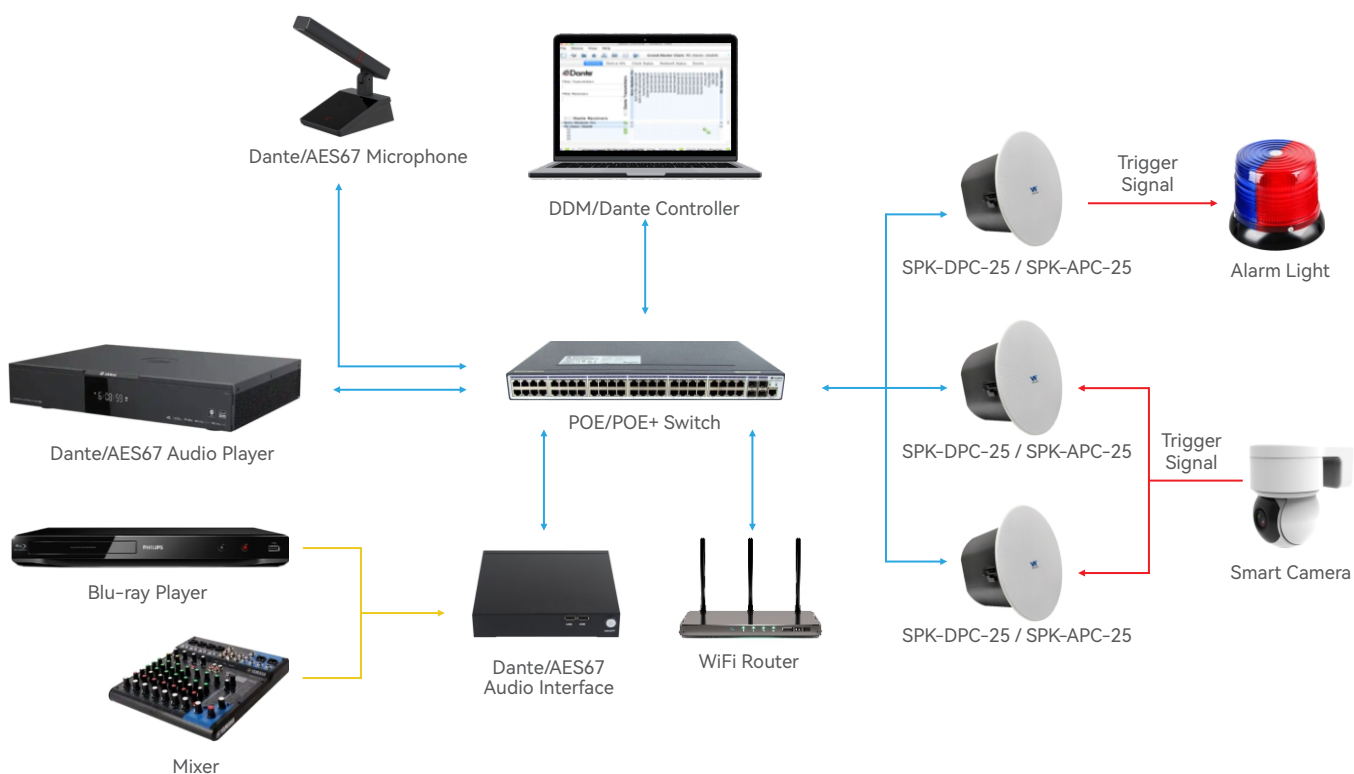
Model	SPK-DPC-25	SPK-APC-25
Audio Standard	Dante, AES67	AES67
Frequency Response (-2.5 dB)	70 Hz-20 kHz	
Speaker Driver	Low Frequency: 165 mm, cone; High Frequency: 25 mm, metal dome	
Crossover Frequency	2.9 kHz (bass/treble)	
Amplifier Output Power	Bass: 25 W; Treble: 10 W	
Max. Output Level	104 dB SPL	
Harmonic Distortion	<0.5% (@85 dB SPL at 1 m on axis)	
Dispersion Angle	Horizontal 120°, Vertical 100°	
Digital Signal Processing	Parametric notch; High frequency shelf; Low frequency shelf; Bass roll-off; Bass tilt; Treble tilt	
Audio Input	1× RJ45 (100 Mbps) for Dante/AES67; 1× 3-pin Phoenix connector for analog audio	
Analog Input Impedance	10 kΩ, balanced	
Analogue Input Max. Level	24 dBu	
Trigger Signal In/Out	1× 3-pin Phoenix connector (short-circuit input and 24 V output)	
Power Supply	PoE, IEEE 802.3af, 13 W; PoE+, IEEE 802.3at, 26 W	
Standby Power Consumption	< 1 W	
Operating Temperature	-6.7-40°C (20-104°F)	
Storage Temperature	-29-75°C (20-74°C)	
Overall Dimension(Φ x Depth)	Φ 258X222mm	
Required Cutout Size	Φ 227mm	
Weight	3.08 kg	

▶ APPLICATIONS

Typical BGM&Announcement Application

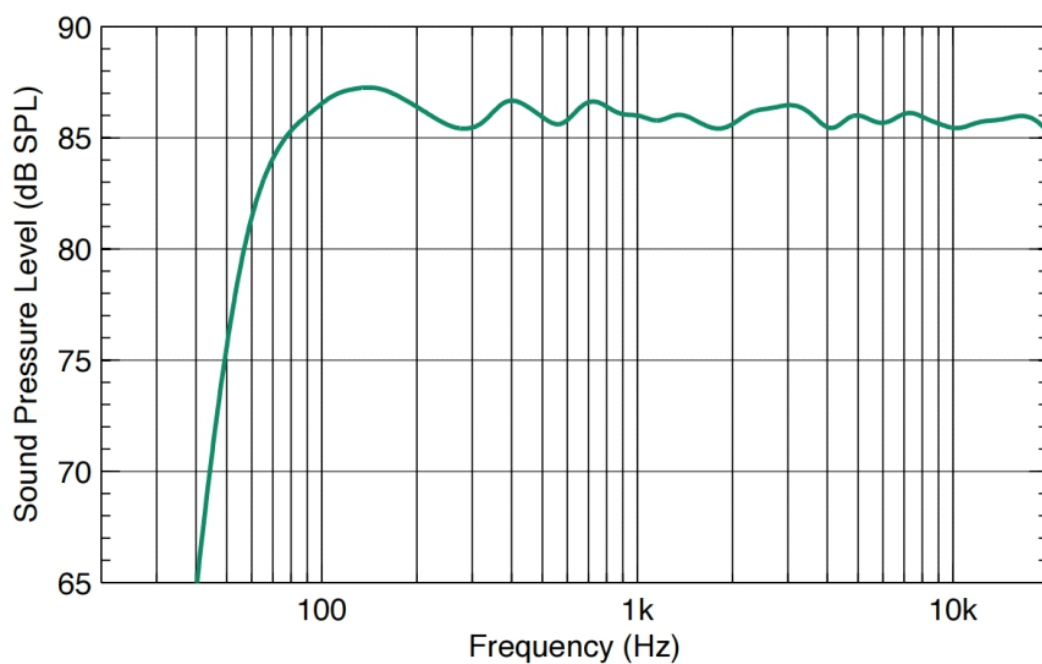


Automatic Trigger-based Alert Application



▶ APPLICATIONS

On-axis frequency response @ 1 m



▶ ORDERING INFORMATION

Model	Description
SPK-DPC-25	25W, Dante/AES67 ceiling speaker,1×analog audio input,1×RJ45 for AES67/Dante audio and compliant with POE+ power supply standard, with short-circuit and 24V output
SPK-APC-25	25W, AES67 ceiling speaker,1×analog audio input,1×RJ45 for AES67 audio and compliant with POE+ power supply standard, with short-circuit and 24V output

► DIMENSION DRAWING

