



Dante Column Speaker PoE, 60W
Operation Manual
(500220)



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1. Safety Precautions

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for future reference.

- Follow basic safety precautions to reduce the risk of fire, electrical shock, and injury.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burns.
- Do not open or remove the housing of the device as you may be exposed to dangerous voltage or other hazards.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture and do not install this product near water. Keep the product away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on the housing, unplug the module immediately.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Using supplies or parts not meeting the product specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- Install the device in a place with adequate ventilation to avoid damage caused by overheating.
- Unplug the power when left unused for a long period of time.
- Information on disposal of devices: do not burn or mix with general household waste, please treat them as normal electrical waste.

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2. Introduction

The MuxLab Dante Column Speaker PoE, 60W (model: 500220) is a speaker designed with advanced linear sound source technology, each speaker consists of four (4) 3-inch ferrite bass drivers with 25mm voice coils. It meets the design requirements of linear sound sources and has broad horizontal directivity and narrow vertical directivity, sending the sound to the target area accurately, avoiding reflection from the ceiling and ground while increases the proportion of direct and reverberation sound to greatly improve speech clarity.

The MuxLab Dante Column Speaker PoE, 60W is mainly used in speech sound reinforcement system, works as the main loudspeaker in a multifunctional small conference room, or the supplementary loudspeaker in the medium-sized conference room. Could be used in small music sound reinforcement systems with subwoofer loudspeakers and can also be used with the latest Dolby surround sound systems as left or right surround, back surround, or ceiling surrounds sound box use.

It supports a variety of installation methods including a convenient U-shaped frame. The special U frame provides two modes: fixed angle and adjustable angle. In the adjustable mode, the adjustment up and down angle is 15 degrees. You can also use the universal NBT717M wall mount frame or a vertical and horizontal multi-angle frame to hoist the speakers.

The MuxLab Dante Column Speaker PoE, 60W has a small and exquisite appearance, the cabinet is made of high-quality wood, which restores the original sound. The clean finish on the surface of the cabinet allows the speaker to adapt to different decorative styles. A free software calibration tool is available to customize the speaker sound settings. The MuxLab Dante Column Speaker PoE, 60W is compatible with other MuxLab Dante products, including the following models:

- 500221 - Dante Ceiling Speaker PoE, 40W
- 500765 - Dante/Quad Channel Audio PoE Gateway
- 500759-TX-Dante - HDMI/Dante over IP PoE Transmitter, UHD-4K

3. Features

- Supports the Dante protocol
- Built-in power amplifier module
- Precise DSP matching
- Power Supply via PoE
- Various installation methods
- Supports cascaded connections
- Compatible with standard NBT717M frame
- Free sound calibration software tool available
- Sleek and ultra-thin design suitable for all indoor installations

4. Package Contents

- One (1) Dante Column Speaker PoE, 60W
- One (1) installation bracket.
- One (1) User manual (available via download)
- One (1) calibration software tool (available via download)



Notes: Confirm that the product and accessories are all included. If not, please contact the supplier from which you purchased the unit.

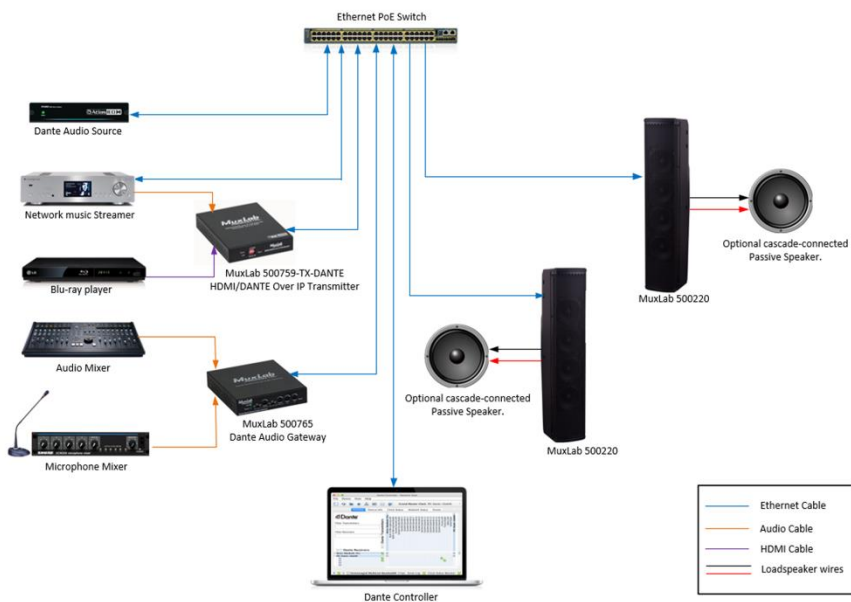
5. Specifications

Frequency Response	105Hz ~ 16KHz
Audio Input	Dante Audio via Ethernet
Output Power	60W
Route Switching Control	Dante™ Controller Software
Sensitivity@1W/1M, f>100Hz	88dB SPL
Maximum Continuous Level at 1m	108dB SPL
Peak Level at 1m	114dB SPL
Nominal Impedance(Ω)	8 Ω
Peak Power	60W
Drivers	3'' x 4 Full range
Power Supply	PoE+ (IEEE 802.3AT/BT)
Built-in Function	DSP/Dante/Amplifier
DSP Function	Gain, Mute, 5-Band PEQ
Cabinet	15mm MDF with paint
Unit dimensions (DxWxH)	6.29'' x 3.93'' x 19.68'' (160mm x 100mm x 500mm) Single unit dimensions
Unit Weight	8.81 lbs (3.99 kg) Single unit weight
Shipping Weight	24 lbs (10.88 kg)
Warranty	2 years
Ordering Information	500220 Dante Column Speaker PoE, 60W (UPC: 627699002209)

6. Applications

The Dante Column Speaker PoE, 60W are ideal for hotels, conference rooms, shopping center, education, hospitals, retail stores, performing art centers, restaurants, airports, houses of worship, and board rooms.

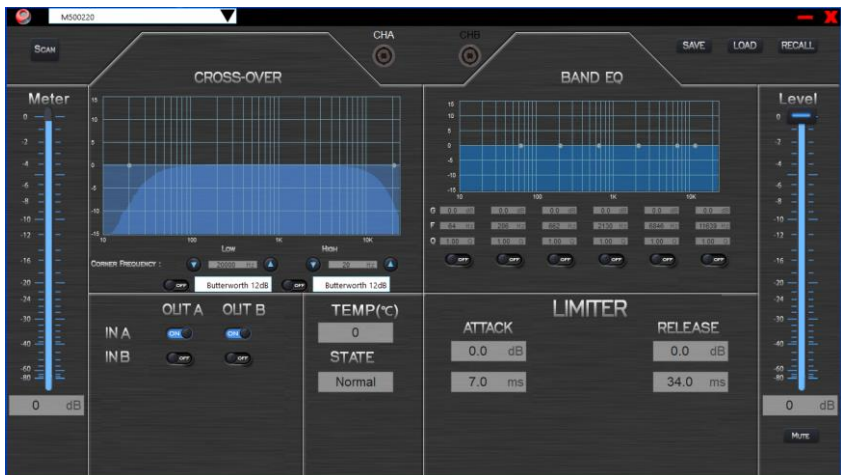
Typical Application



7. Sound calibration software tool

The Dante Column Speaker PoE, 60W comes with a calibration software tool, this software tool is useful for all types of users who want to improve the sound of their speakers. The calibration software tool is free and available on the MuxLab website: <https://muxlab.com/support?section=software-and-firmware>

The graphical interface of the calibration tool is shown below.



Note: Note that to get the maximum power output from your speakers, you must connect them to Ethernet Switches that provide 60W of power output per port, or use 60W PoE Injectors.

8. Troubleshooting

The following table describes some of the symptoms and possible solutions regarding the Dante Column Speaker PoE, 60W.

symptom	Probable cause	Possible solution
No Speaker found	<ul style="list-style-type: none"> <li data-bbox="456 357 667 464">• The Speaker is not connected to the network. <li data-bbox="456 544 692 603">• The Speaker is not powered on correctly. <li data-bbox="456 724 645 831">• The Speaker is connected to a different Subnet 	<p data-bbox="734 357 986 464">Check that the network cable is properly connected to the Speaker.</p> <p data-bbox="734 523 966 671">Verify the Ethernet Switch being used supports 60W PoE power, or use a 60W PoE Injector.</p> <p data-bbox="734 730 986 799">Make sure you are on the same subnet as your Speaker.</p>



MuxLab Inc.

2321 Rue Cohen

Montreal, Quebec

Canada H4R 2N7

Tel.: +1 (514) 905-0588 Fax: +1 (514) 905-0589

Toll Free (North America): 877 689-5228

URL: www.muxlab.com

E-mail: info@muxlab.com