



EAGLE XDP6 Ceiling Speaker

User Manual

TABLE OF CONTENTS

Chapter 1 Product Introduction	1
Chapter 2 Specification	1
Chapter 3 Speaker Connection Diagram	2
Chapter 4 Installation Steps	2
Chapter 5 Dante POE amplifier module	4
5.1 Introduction	4
5.2 Interface	4
Chapter 6 Dante POE Amplifier Module User's Guide	5
6.1 Steps for first time use	5
6.2 PC Main interface of the software	6
6.3 Menu bar and status bar	6
6.4 Equalizer (5 bands)	7
6.5 Limiter	8
6.6 High-pass and low-pass filters	9
6.7 Temperature monitoring	9
6.8 Level display	10
6.9 Output gain and mute	10
6.10 Treble boost and bass boost	11

Chapter 1 Product Introduction

This is a Dante POE ceiling speaker, which is characterized by extraordinary sound quality simple structure, simple and convenient power settings, easy to install and so on, it is a high sound quality ceiling speaker. Surface with beautiful black coating and white mesh, fashionable and compact appearance can be perfectly integrated with modern interior decoration, complement each other. The panel is made of high-strength ABS material, and the rear shell is made of metal craftsmanship, which is sturdy and reliable. The internal design of the system delivers professional-grade acoustic performance with exceptional speech and music reproduction. Simple and convenient power settings, easy to operate. Suitable for a variety of occasions. Especially in stores, department stores, schools, offices, hotels and restaurants in the embedded audio applications, can play excellent voice and music playback function.

Stylish and elegant appearance, blends with any decorative style, provides clear and full bass response. Speaker power supply and signal rely on a network cable to complete, making the installation and wiring simpler, the power supply is with a switch with POE.

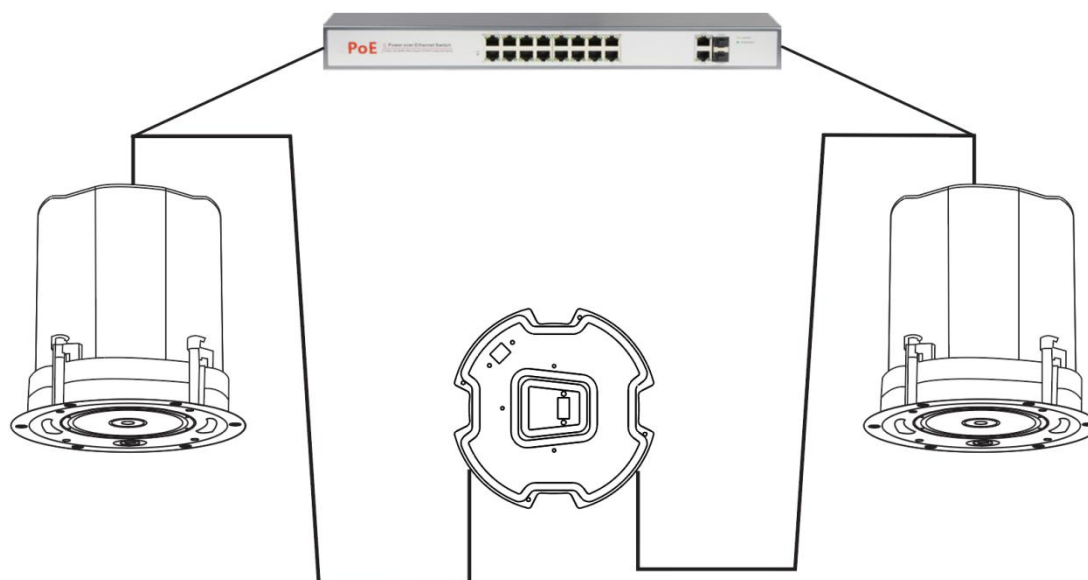
Chapter 2 Specification

Rated power	60W
Sensitivity	88dB
Frequency range(-10dB)	130-17KHz
Opening angle(1KHz/-6dB)	150°
Rated impedance	4Ω
Maximum Sound Pressure Levels	105dB
Dimension(WXH)	Φ267X162mm
Hole size	Φ240mm
Weight	3.34kg

Color	Mesh cover white (RAL06) / Backshell matte black (RAL9004)
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Chapter 3 Speaker Connection Diagram

Correct terminal connection

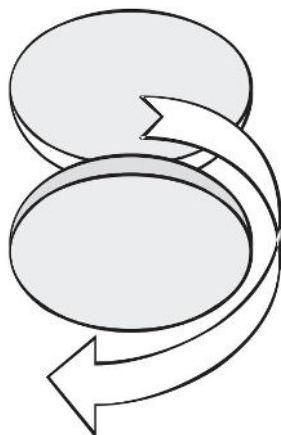


Attention:

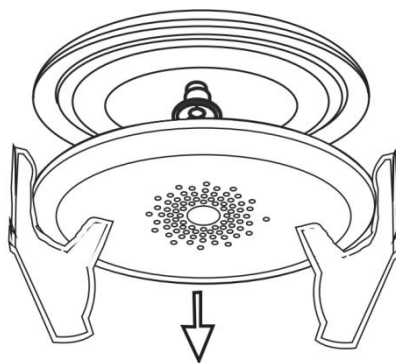
POE switch must be used for the speaker to function properly.

Chapter 4 Installation Steps

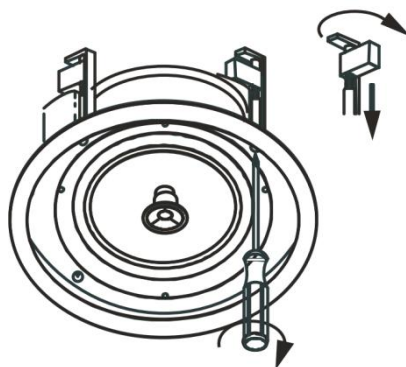
- ① First, open a hole of 240mm in the ceiling.



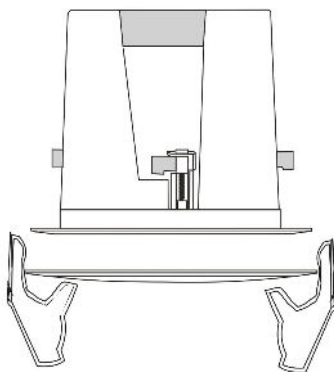
- ② Detach the product net cover



- ③ According to the pre-drilled hole, install the product on the ceiling and screw it on.



- ④ After the product is fixed, re-install the net cover.



Chapter 5 Dante POE amplifier module

5.1 Introduction

This is a POE power supply, Dante to analog signal output, built-in DSP processing, full network digital amplifier module products, generally built into the speaker. Can be adjusted through the PC software visualization, to meet the different needs for sound quality, the use of Dante network protocol audio transmission from the transmission line interference, high fidelity, no delay characteristics. The use of network transmission, engineering wiring is simple, can make the installation of amplifiers and speakers more convenient, safe and reliable new products.

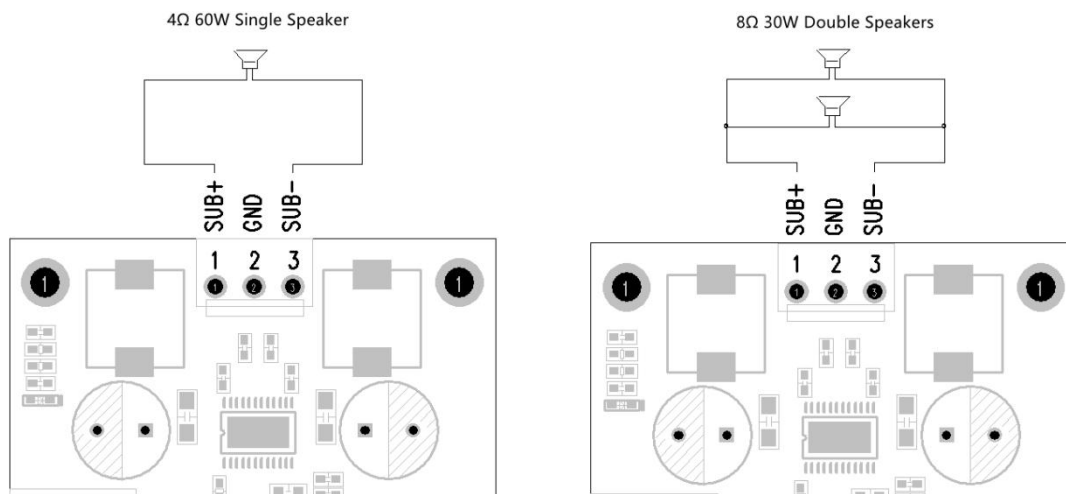
POE power supply: support IEEE 802.3af/at/bt standards respectively;

DSP processing functions: including have scene save, scene import, scene export, reset, 5-band equalizer, high-pass filter, low-pass filter, treble enhancement, bass enhancement, limiter, gain and so on.

5.2 Interface



Audio Interface Description:



Chapter 6 Dante POE Amplifier Module User's Guide

6.1 Steps for first time use

Connect the Dante POE amplifier module to a POE-enabled Dante network switch, and then realize network-wide Dante device discovery through the Dante Controller software for network-wide audio routing configuration.

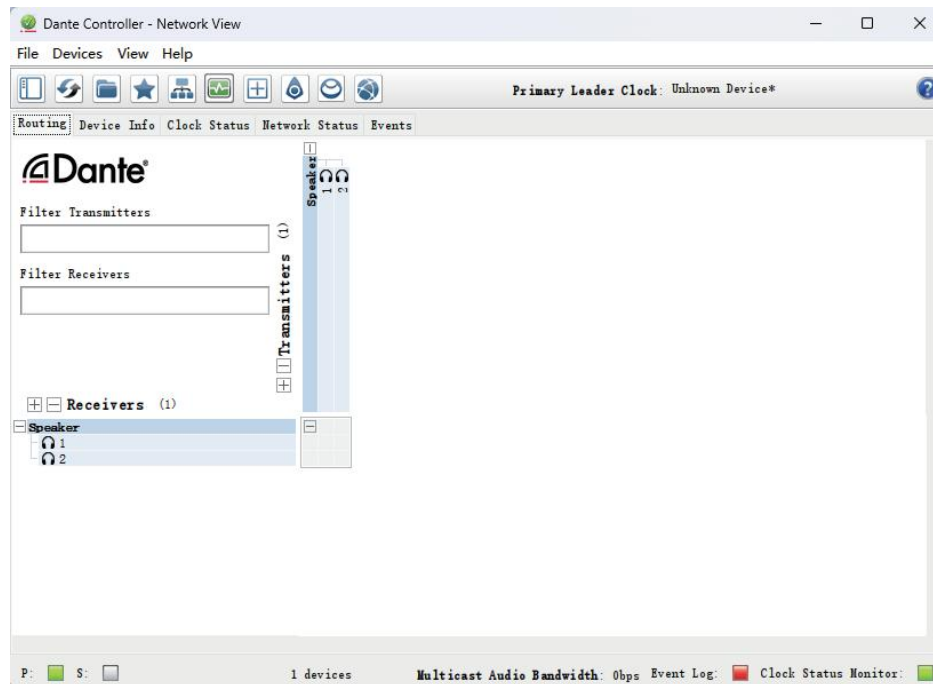
In a Dante audio network, the Dante Controller software is required to set up the routing of the various signals accessing the processor. It can realize 1-to-1, 1-to-N mapping operation from input to output within Dante network.

Note: 1, Dante can not run in the Wi-Fi wireless connection environment, is dependent on a reliable and secure wired network environment to transmit perfect audio;

2, Dante Controller software corresponds to the platform of Windows 7, Windows 10, Windows 11, macOS, please select the appropriate software version according to your system platform.

Click to download the official Dante Controller software Dante Controller

(<https://www.audinate.com/products/software/dante-controller>)



6.2 PC Main interface of the software



6.3 Menu bar and status bar

File:

Import: used for scene file import, same as status bar.

Export: for scene file export, same as status bar.

Save: Save the scene, same as status bar

Reset: reset the scene to the default value, same as status bar.



Marker: Scene import shortcut button



Marker: Scene export shortcut button



Marker: Scene save shortcut button

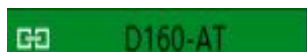


Marker: Scene reset shortcut button



Marker: Device search button

Connection status indication:

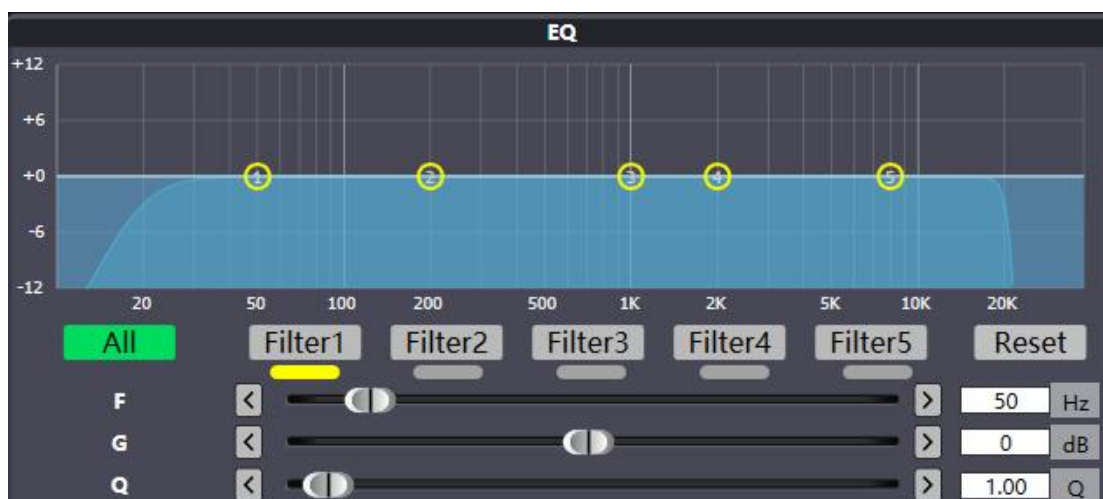


Remarks: Connected status




Remarks: Disconnected status

6.4 Equalizer (5 bands)



All: Enable filters

Filters 1-5: Select to enable or disable filters, green means enabled, gray means not enabled

: Yellow color indicates the current filter, you can set the frequency, gain and Q value for the current filter.

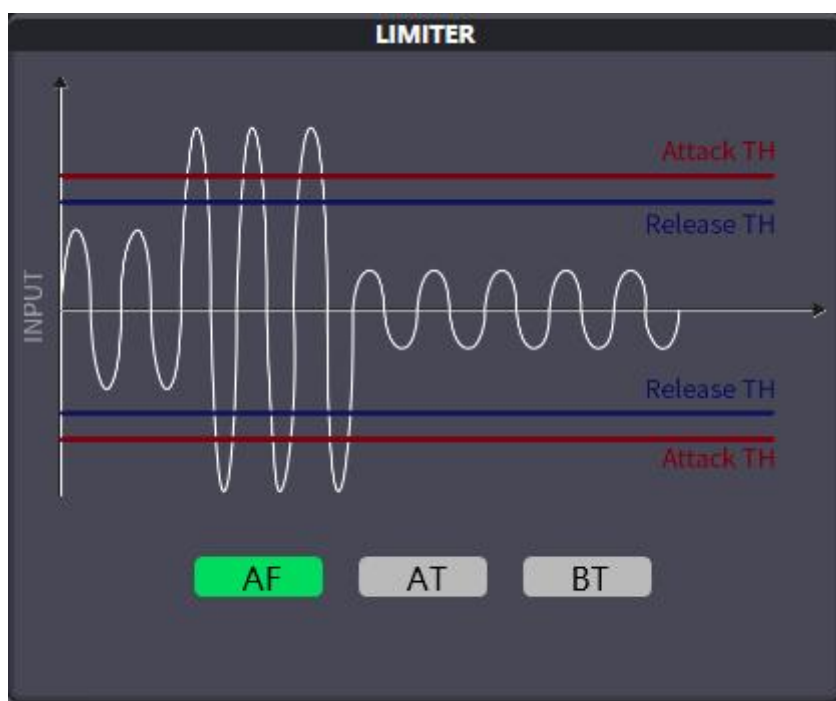
Reset: reset all filter parameters

Frequency: Center frequency

Gain: Center frequency gain

Q: Filter Q value

6.5 Limiter



POE power options: AF, AT, BT

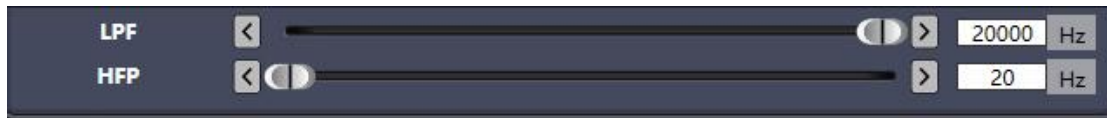
AF: 802.3 AF protocol, POE power <15W

AT: 802.3 AT protocol, POE power <30W

BT: 802.3 BT protocol, POE power <60W

POE switch power over the protocol power will be distortion protection

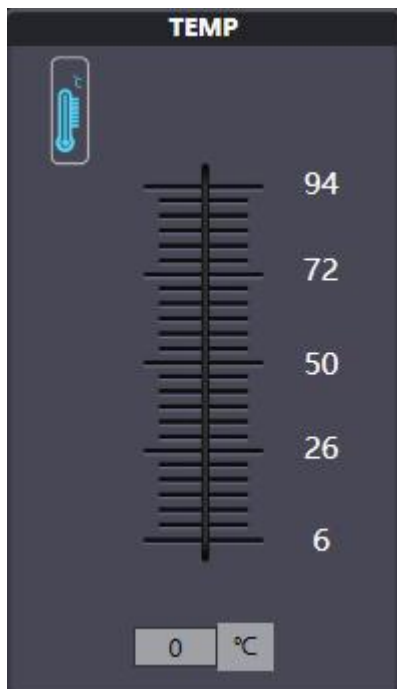
6.6 High-pass and low-pass filters



High-pass frequency: the cutoff frequency of the high-pass filter

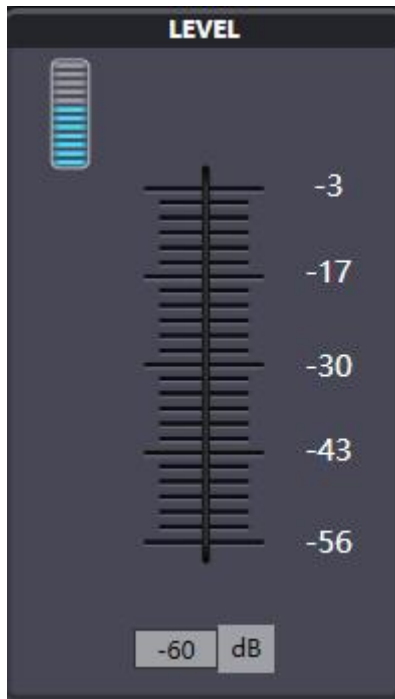
Low-pass frequency: cutoff frequency of the low-pass filter

6.7 Temperature monitoring



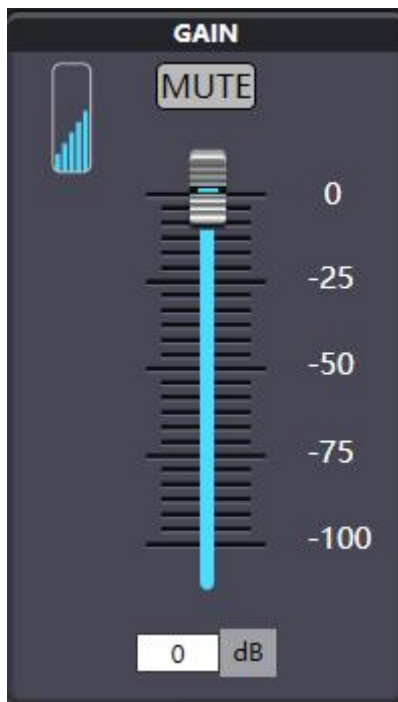
Temperature monitoring: real-time detection of amplifier module temperature

6.8 Level display



Audio signal level indication

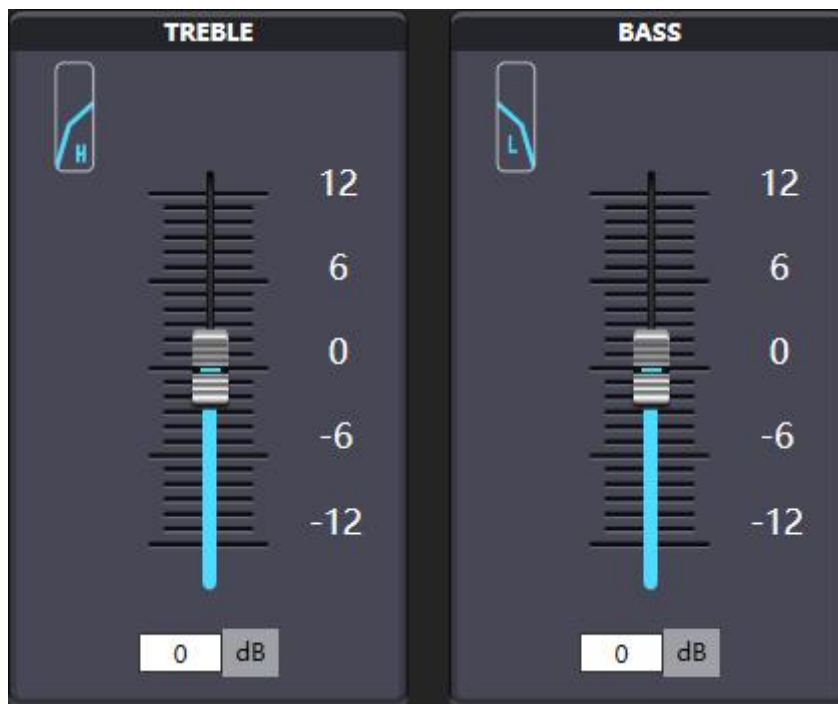
6.9 Output gain and mute



Mute: Mute audio output on/off

Gain: Adjust the gain of the output audio signal, through the fader or input specific value adjustment

6.10 Treble boost and bass boost



High/Low Enhancement Adjustment: Setting of specific parameter values via fader or manual inputs.

Warranty Regulations

The warranty period of this product is 1 year.

In the warranty period of non-man-made damage caused by the product performance failure can enjoy three packages of service.

Warranty card by the sales unit stamped after the effective. The alteration is invalid!

The following conditions (including, but not limited to, this) are not covered by the three-package service:

1. No warranty card or missing valid invoice or the date has exceeded the validity period of the three packages of services;
2. Not in accordance with the requirements of the product instructions for use, maintenance, management and damage caused;
3. The product model or code on the warranty voucher does not match the physical goods;
4. Damage caused by the dismantling and repair of non-authorized service providers;
5. Normal discolouration, wear and tear and consumption during the use of the product are not covered by the warranty;
6. The product cannot be used due to the user's own network reasons, please consult customer service staff.



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