



OPA Dante Speaker User Guide



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1.Preface

1.1 Audience

This feature guide is intended to provide clear operating instructions for those who will configure and manage the OPA Dante Speaker. By carefully reading and consulting this guide, users could solve the setting and deployment issues of the OPA Dante Speaker.

1.2 Revision History

Document Version	Applicable Firmware Version	Update Content	Update Date
1.0.0	1.0.1	Initial Issue	Jun, 2026

2. Overview

2.1 Product Overview

OPA Dante speaker include two types of ceiling speakers and cabinet speaker, the Dante ceiling speaker C8215D and C8130D, the Dante cabinet speaker W8215D and W8130D, the Dante ceiling speakers and cabinet speaker are mainly applied to indoor environments.

2.2 Product Specifications

C8215D Dante Ceiling Speaker Specifications		
Speaker Components	1 x 6" Woofer+1 x 1" Coaxial driver unit	
Sensitivity	92dB / 1m / 1W	
Max Sound Pressure Level	103dB	
Rated Power	DC: 8Ω 15W or PoE: af-8Ω 8W / at-8Ω 15W	
Frequency Range	150Hz – 20KHz	
Coverage Pattern	135° Conical , 30m ²	
Amplifier	Built-in Class D Amplifier	

C8130D Dante Ceiling Speaker Specifications

Speaker Components	1 x 8" Woofer+1 x 1" Coaxial driver unit	
Sensitivity	95dB / 1m / 1W	
Max Sound Pressure Level	115dB	
Rated Power	DC: 8Ω 30W or PoE: af-8Ω 8W / at-8Ω 20W	
Frequency Range	100Hz – 20KHz	
Coverage Pattern	135° Conical , 50m²	
Amplifier	Built-in Class D Amplifier	

W8215D Dante Cabinet Speaker Specifications

Speaker Components	1x5"Woofer + 1x 1" high frequency driver unit	
Sensitivity	93dB / 1 m/ 1W	
Max Sound Pressure Level	104dB	
Rated Power	DC: 8Ω 15W or PoE: af-8Ω 8W / at-8Ω 15W	
Frequency Range	100Hz – 20KHz	
Coverage Pattern	90°H 90°V, 30m²	
Amplifier	Built-in Class D Amplifier	

W8130D Dante Cabinet Speaker Specifications

Speaker Components	1x6.5"Woofer + 1x 1" high frequency driver unit	
Sensitivity	95dB / 1 m/ 1W	
Max Sound Pressure Level	109dB	
Rated Power	DC: 8Ω 30W or PoE: af-8Ω 8W / at-8Ω 20W	
Frequency Range	70Hz – 20KHz	
Coverage Pattern	90°H 90°V, 60m²	
Amplifier	Built-in Class D Amplifier	

3.Login the Device

3.1 Accessing the Web GUI

The device obtains the IP address through DHCP by default, please ensure that there is an available DHCP server in your LAN (If DHCP fails to obtain an address, it will use a default static IP address: 192.168.1.101), you will listen to the device's IP address broadcast at first start up, and enter the IP address in the browser to access the device's Web management interface.

Default username: admin

Default password: admin

For the safety purpose, it is recommended to change the default password on the first login, please go to System --> Account Settings page to change the password.

W8215D

Username

Password

English

▼

LOGIN

After entering the correct username and password, you can log in to the device's web management interface.

3.2 Device Info

After successful login, you will see the information interface of the device, and you can view the basic information of the device.

English ▼ Admin ▼

Device Info

Advanced ▼

System ▲

Network

Time

Prompt Language

Account

Reboot & Reset

Maintenance ▼

Reports ▼

DEVICE INFORMATION

Device Model	W8215D
Hardware Version	Ver1.0
Software Version	s1.0.1
DANTE License	Activated
Uptime	7:30
Speaker Volume	7 (0-9) 🔗
Device Description	W8215D 🔗

NETWORK INFORMATION

Mac Address	68:69:2E:0F:01:38
Connection Mode	DHCP
IP Address	192.168.19.99
Subnet Mask	255.255.255.0
Gateway	192.168.19.1
Primary DNS	8.8.8.8
Alternative DNS	1.1.1.1

DEVICE INFORMATION	
Device Model	W8215D
Hardware Version	Ver1.0
Software Version	s1.0.1
DANTE License	Activated
Uptime	7:30
Speaker Volume	7 (0-9) 🔊
Device Description	W8215D 🔗

Device Information

- **Device Model:** Displays the model of the device.
- **Hardware Version:** Displays the hardware version number of the device.
- **Software Version:** Display the system version number of the device.
- **DANTE License:** Display the DANTE License status.
- **Uptime:** Displays the device's operating time.
- **Speaker Volume:** Displays the current volume of the device.
- **Device Description:** Remark the device information. The description will be displayed in a browser tab. After the Device Description is set, the description will be displayed in the browser tab, which is convenient for distinguishing different terminals when there are many terminal configuration pages.

NETWORK INFORMATION	
Mac Address	68:69:2E:32:01:18
Connection Mode	DHCP
IP Address	192.168.19.99
Subnet Mask	255.255.255.0
Gateway	192.168.19.1
Primary DNS	8.8.8.8
Alternative DNS	1.1.1.1

Network Information

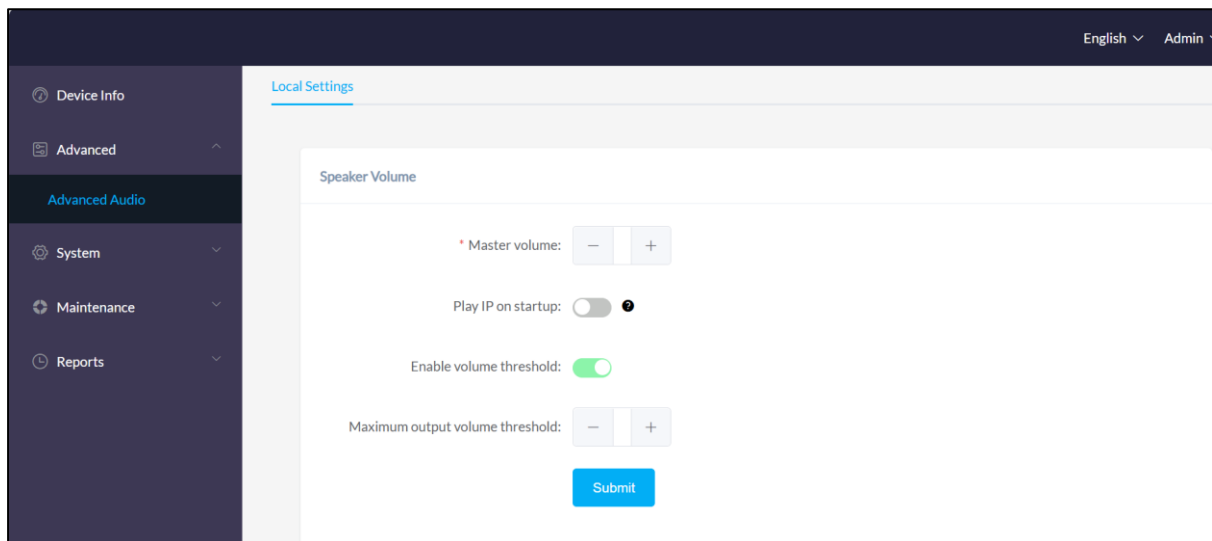
- **Mac Address:** Display the MAC address of the current device.
- **Connection Mode:** Display the network acquisition method of the device, DHCP (dynamic acquisition) or STATIC (static configuration).
- **IP Address:** The current IP address of the device.
- **Subnet Mask:** The current subnet mask of the device.

- **Gateway:** The gateway address currently used by the device.
- **Primary DNS:** The primary domain name server address used by the device.
- **Alternative DNS:** The secondary domain name server address used by the device.

4. Advanced Settings

4.1 Advanced Audio

To set the volume of the device, please go to Advanced --> Advanced Audio page to configure.



Speaker Volume Settings

- **Master Volume:** Set the speaker master volume. The default volume is 7 and the adjustable range is 0~9.
Note: It is recommended the speaker volume level setting not exceed 7 under POE power supply mode, otherwise it may cause the device to restart!
- **Play IP on Startup:** When the device starts, it automatically broadcasts its IP address once.
- **Enable Volume Threshold:** Enable the threshold control to prevent device restarts under PoE power mode.
- **Maximum Output Volume Threshold:** Set the maximum output volume in the range of -50 to 0.

5. System Settings

5.1 Network

The device uses DHCP to dynamically obtain IP addresses by default.

To change the IP assignment from DHCP to Static IP, please go to System--> Network page.

Select Static IP to show the network parameter settings.

The screenshot shows the 'Network' configuration page. It includes the following fields and values:

- Access Type:** HTTP
- Network Mode:** Static IP
- * IP Address:** 192.168.1.101
- * Subnet Mask:** 255.255.255.0
- * Gateway:** 192.168.1.1
- * Primary DNS:** 114.114.114.114
- * Alternative DNS:** 8.8.8.8
- Submit** button

Network Configuration

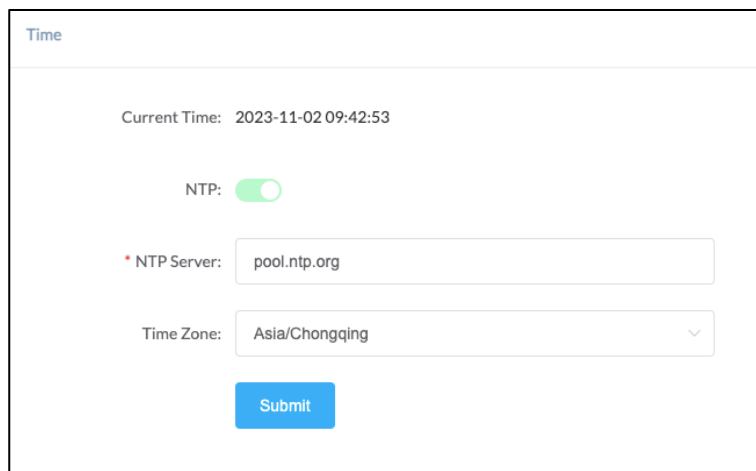
- **Access Type:** Specify the access method of the website, which currently supports HTTP、HTTPS and HTTP& HTTPS.
- **Network Mode:** Select DHCP or Static IP
- **IP Address:** Enter a vacant IP address within your LAN.
- **Subnet Mask:** Enter the subnet mask of your LAN.
- **Gateway:** Enter the default gateway of your LAN, this is essential for the device when the IP Audio Center or other SIP server is installed outside the LAN.
- **Primary DNS:** Enter an effective primary DNS server address.

- **Alternative DNS:** Enter an alternative DNS server address, when the primary DNS fails, alternative DNS will be used.

5.2 Time

The device obtains the time from the network time servers using NTP.

To change the NTP settings, please go to System --> Time page.



Time

Current Time: 2023-11-02 09:42:53

NTP: ☒

* NTP Server:

Time Zone:

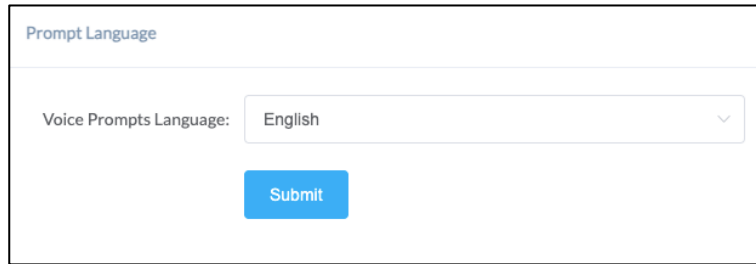
Time Settings

- **Current Time:** Display the current system time of the device.
- **NTP:** Enable/Disable using NTP to obtain the time.
- **NTP Server:** The network time server used to obtain the time.
- **Time Zone:** Set the time zone used by the device.

5.3 Prompt Language

The language of local voice prompts, like IP address announcements. Currently, only Chinese and English are provided.

Please go to System --> Prompt Language page to set a voice prompt language.



Prompt Language

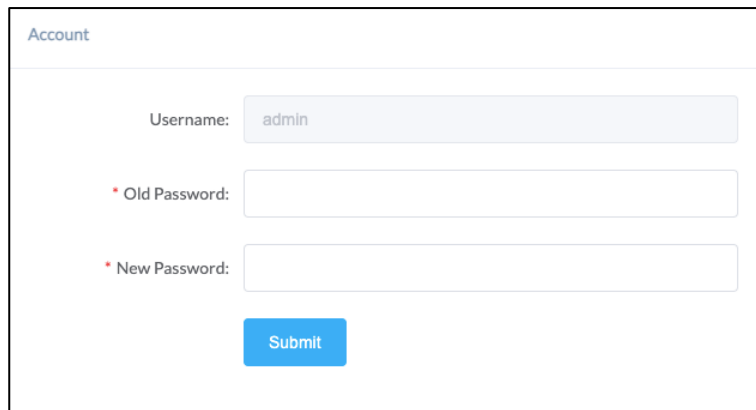
Voice Prompts Language: English

Submit

Prompt Language

5.4 Account

For resetting the current device's password, please go to System --> Account page.



Account

Username: admin

* Old Password:

* New Password:

Submit

Web Password Settings

- **Old Password:** This setting represents the current user password.
- **New Password:** This setting represents the new password user would like to set up.

5.5 Reboot & Reset

The device can be rebooted and reset from the web management interface.

If you need to reboot or reset the device, please go to System --> Reboot & Reset page.

Reboot

Warning: Rebooting the device will interrupt all ongoing broadcasting, intercom and calls!

Reboot

Reset

Warning: Resetting the device will interrupt all ongoing broadcasting, intercom and calls, and it will empty all configurations!

Reset

Reboot & Reset Settings

Users can restart the device without power failure on this page. The restart process takes about 10 seconds. After the restart is complete, refresh the page to log in again.

If you need to restore the factory settings of the device, you can reset it through this page, after restarting, the current IP address of the device will be automatically announced by voice prompts. Users can log in to the device's Web management interface with this IP address.

Note: Restoring factory settings will erase all user settings, please operate with caution!

Reboot Schedule

Enable: ☐

Submit

Reboot Schedule

When the Reboot Schedule feature is Enabled, you can set up the automatic reboot daily, weekly, or monthly at a specified time.

6. Maintenance

6.1 Upgrade

To upgrade the device's firmware, please go to Maintenance --> Upgrade page.

The screenshot shows the 'Upgrade' section of the web interface. It includes a 'Current Firmware Info' section with 'Current Firmware Version: s1.0.1' and 'Last Update: 2026-08-28'. Below this is an 'Upgrade' section with a red warning message: 'Warning: It will take around 150 seconds to complete the upgrade process, during the upgrade process please DO NOT power-off the device!'. There is a 'Reset Factory Defaults' toggle switch, which is currently turned off. Below the toggle is a 'Firmware:' label and a large dashed box containing a cloud upload icon and the text 'Drag files here, or Click Upload'.

Upgrade Settings

- **Current Firmware Version:** Displays the version currently used by the system.
- **Last Update:** Displays the last system updating time.
- **Reset Factory Defaults:** Specify whether to restore factory settings when upgrading.
- **Firmware:** Click to select the firmware that needs to be used to upgrade the current device.

6.2 Diagnostic

Ping is a network administration utility or tool used to test connectivity on an IP network. Input other devices' IP addresses and click on the submit button to trace the network route.

Please go to Maintenance --> Diagnostic page to execute ping command.

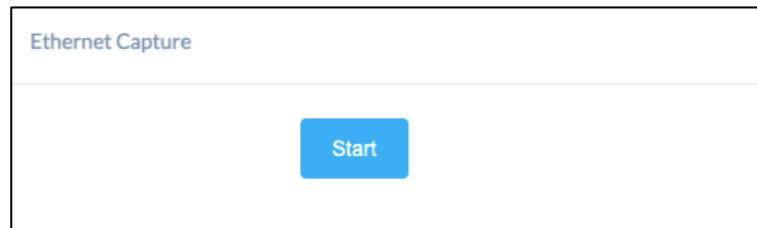
The screenshot shows the 'Ping' section of the web interface. It features a text input field labeled '* IP/Domain:' with the placeholder text 'eg: 8.8.8.8'. To the right of the input field is a blue 'Submit' button. Below the input field and button is a large black rectangular area, likely intended for displaying the results of the ping command.

Ping

6.3 Ethernet Capture

The purpose of the Ethernet capture tool is to capture Ethernet network packets and store them in a standard Wireshark-compatible packet capture ‘.pacp’ file for immediate viewing and data analysis.

Please go to Maintenance --> Ethernet Capture page to operate.

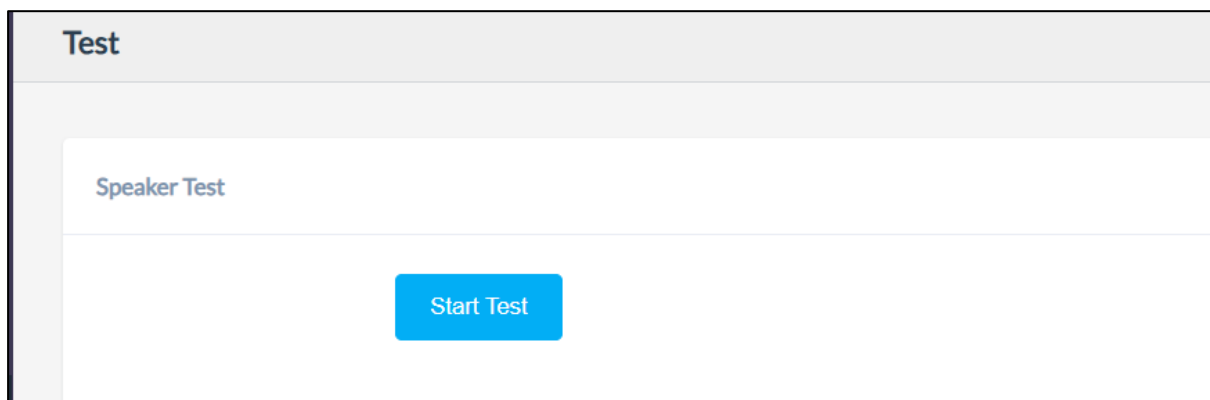


Ethernet Capture

6.4 Test

The detection feature provides an option for the user to check whether the speaker will work functionally.

Please go to **Maintenance** --> **Test** page to test whether the component is working properly.



Test Settings

- **Speaker Test:** Click on the Start Test button, and the speaker will play a ringtone to test whether the speaker is working. If the speaker is working functionally, you should hear the voice back.

7. Reports

7.1 System Logs

System Logs allows you to check the event related information such as Operating Time, Operating Type , Event and Action details. Please go to **Reports --> System Logs** page to view the logs. Click the Download button and the .csv log file will be saved on your computer.

System Logs			
Download			
Time	Type	Event	Action
2026-09-02 09:46:32	FUNCTION	API Stop Audio	
2026-09-02 09:46:10	FUNCTION	API Play Audio	File: bells_music_tone.wav; Repeat: 99999; Volume: 40
2026-09-02 09:45:46	FUNCTION	API Stop Audio	
2026-09-02 09:45:41	FUNCTION	API Play Audio	File: bells_music_tone.wav; Repeat: 99999; Volume: 40
2026-09-02 09:45:37	FUNCTION	API Stop Audio	
2026-09-02 09:45:31	FUNCTION	API Play Audio	File: bells_music_tone.wav; Repeat: 99999; Volume: 40
2026-09-01 10:04:18	INIT	System Started	
2026-09-01 10:04:06	FUNCTION	Play IP Address	192.168.19.99
2026-08-31 17:14:19	INIT	System Started	
2026-08-31 17:14:07	FUNCTION	Play IP Address	192.168.19.99

System Log

8. Dante Operating Instructions

This function (in the current trial mode) uses Dante Via and Dante Controller to test the audio input and output capabilities of the C8215D, C8130D, W8215D, W8130D via a computer, ensuring that it can correctly receive audio signals from the computer (such as voice calls, music playback, etc.) and stably transmit them to the connected speakers.

Testing Preparation:

Computer (Windows or macOS) with Dante Via and Dante Controller installed.

IP speaker W8215D, Dante version.

Network switch (a Gigabit Ethernet switch is recommended to ensure low latency and high bandwidth).

Ethernet cable.

8.1 Steps

Step 1:

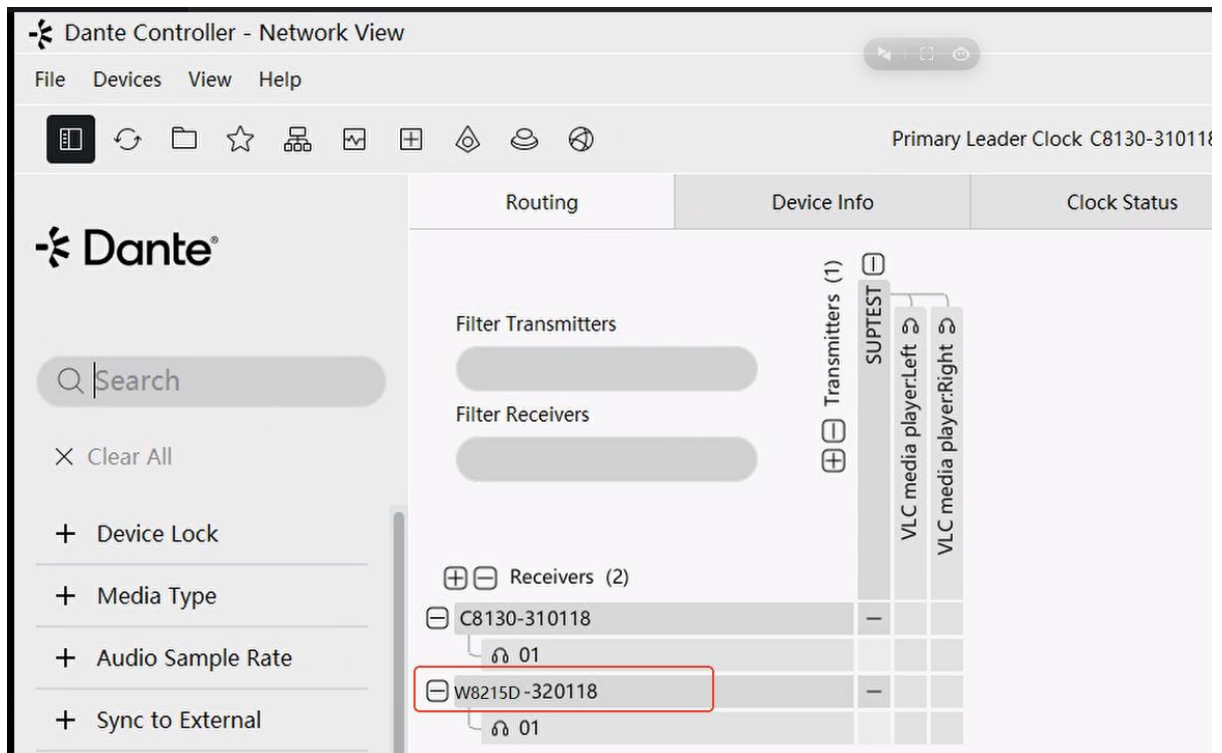
Enter the W8215D website, navigate to Device Info, ensure that the DANTE license is activated.



Device Info	
Advanced	
Advanced Audio	
System	
Maintenance	
DEVICE INFORMATION	
Device Model	W8215D
Hardware Version	Ver1.0
Software Version	s1.0.1
DANTE License	Activated
Uptime	0:01
Speaker Volume	7 (0-9) ↗
Device Description	W8215D ↗

Step 2:

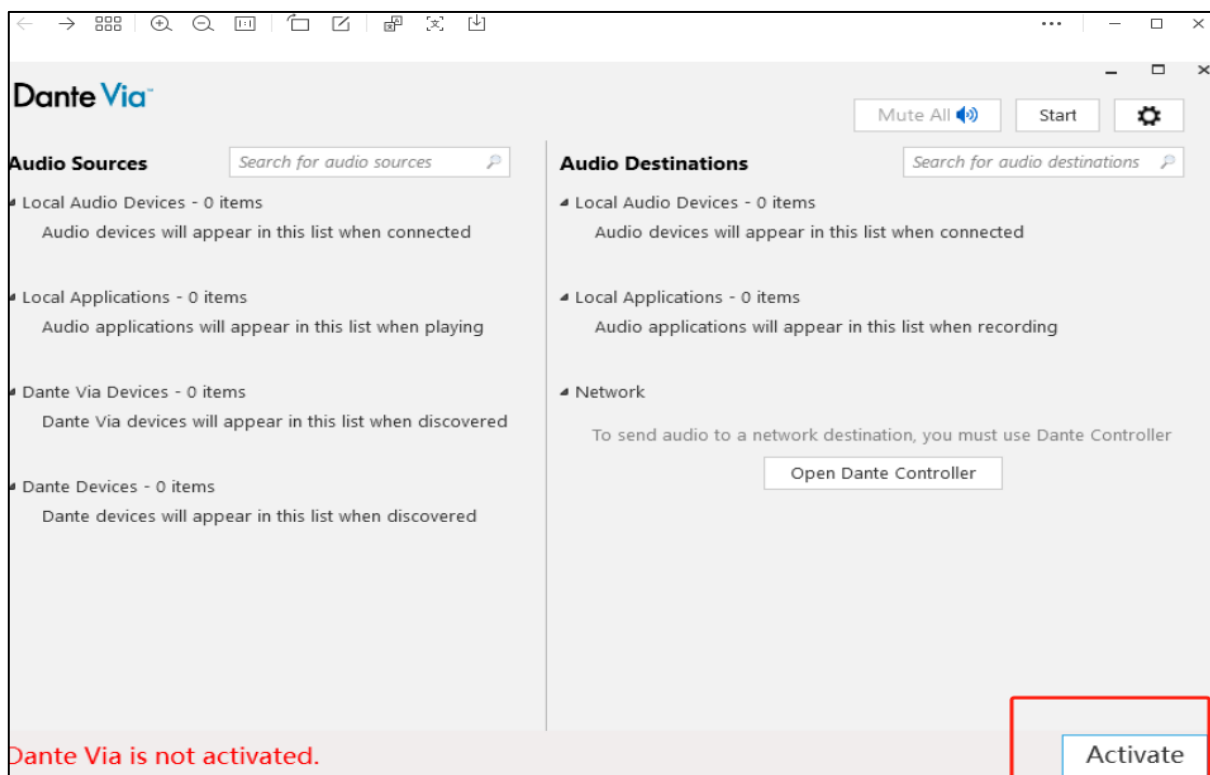
Open the installed Dante Controller and check if the W8215D appears in the list of receiving devices. (The name is displayed as W8215D-[last six digits of the device's MAC address], used for differentiation.) Confirm that the IP address and status of the W8215D are normal (the status will be red if the Dante license of the W8215D is not activated).



8.2 Dante Via Interface

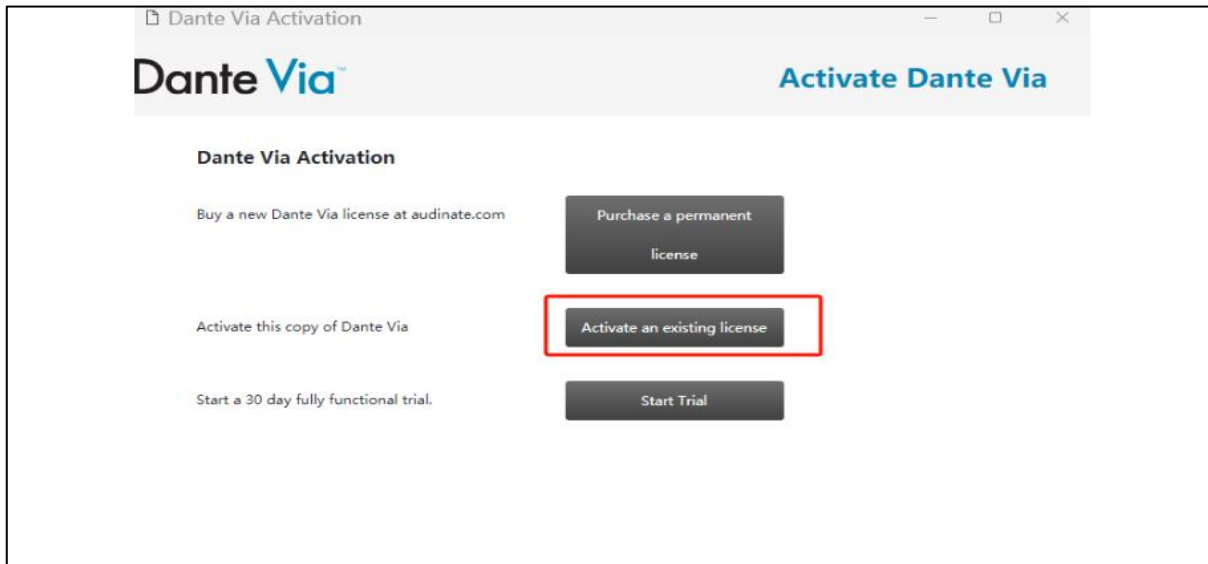
Step 1:

After the Dante Via is installed, you need to click to Activate it on the first login.

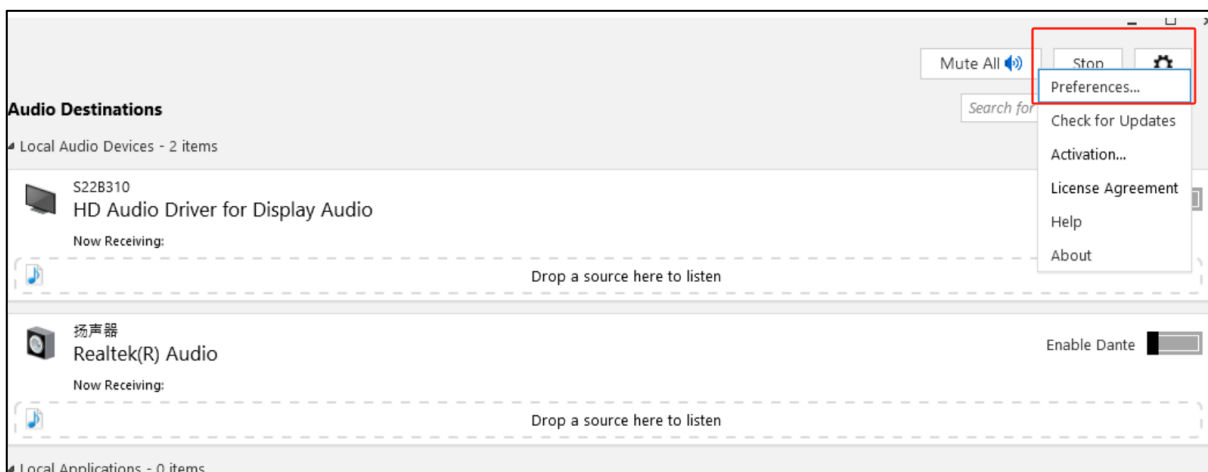


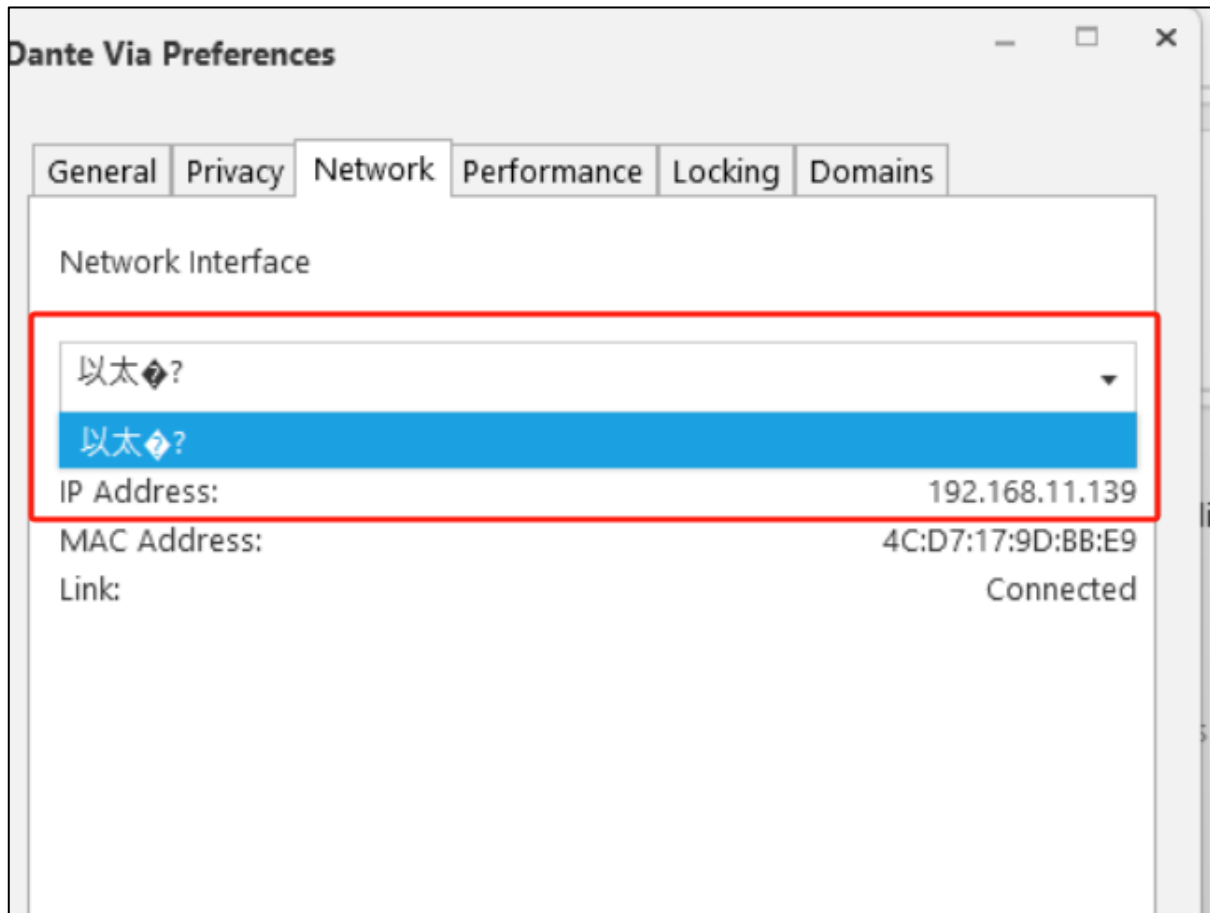
Step 2:

After applying for the license, there is a 30-day trial period. Click as shown in the figure below, and once you enter the license, you can start using it.

**Step 3:**

After successfully logging into the Dante Via interface, to set up the network, click the settings button on the right side of the interface to select "Preference". In the displayed interface, click "Network", select Ethernet settings, and the computer's IP address will be recognized.

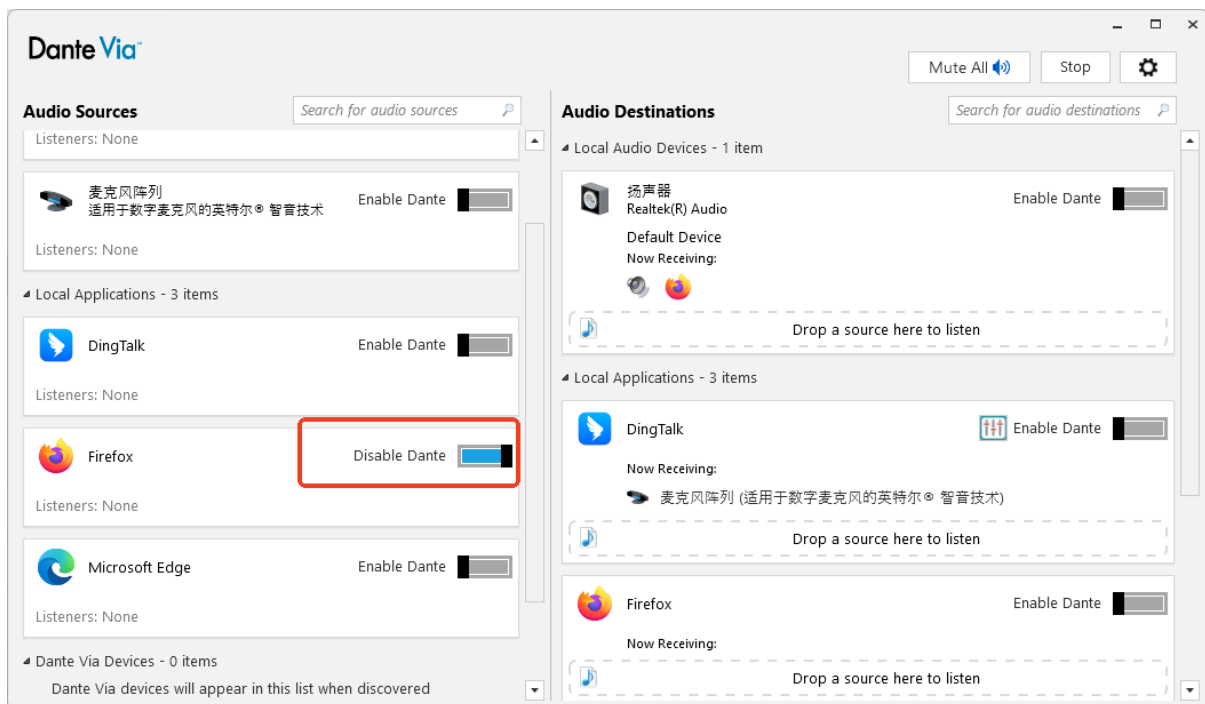
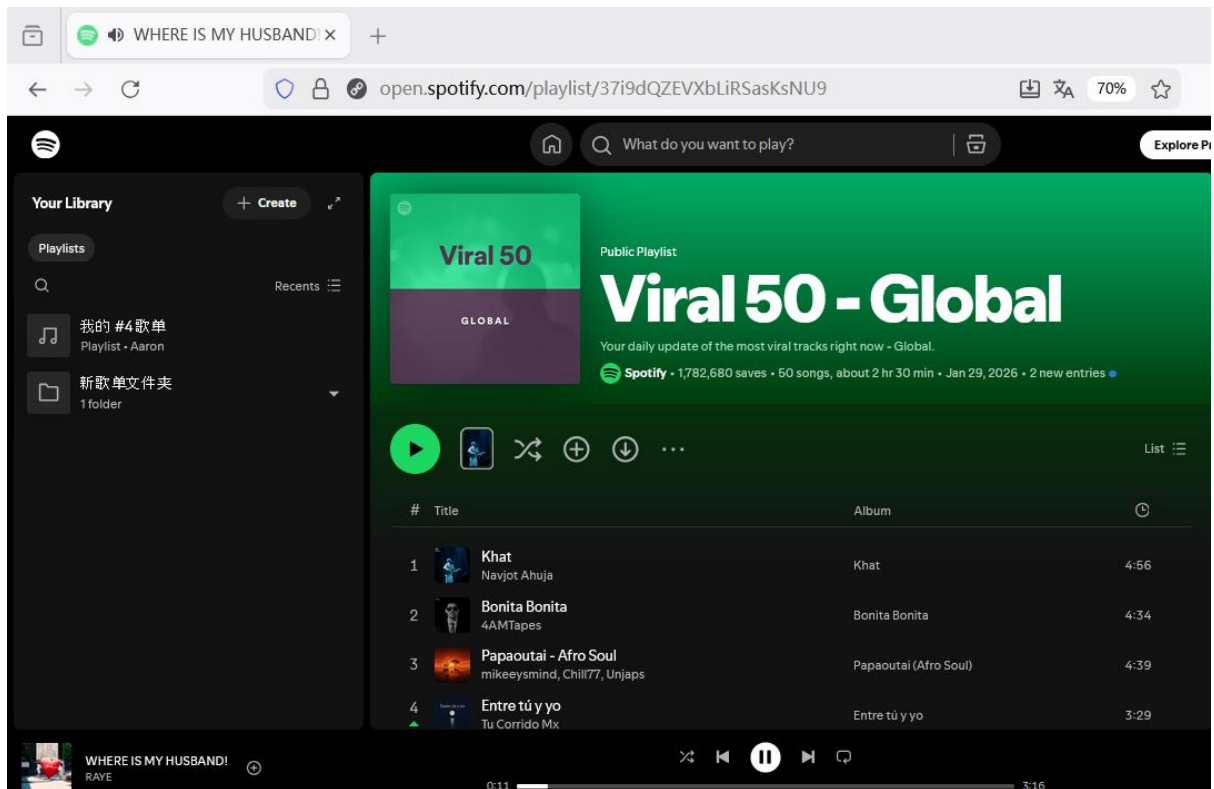




8.3 Play Music In Dante Via

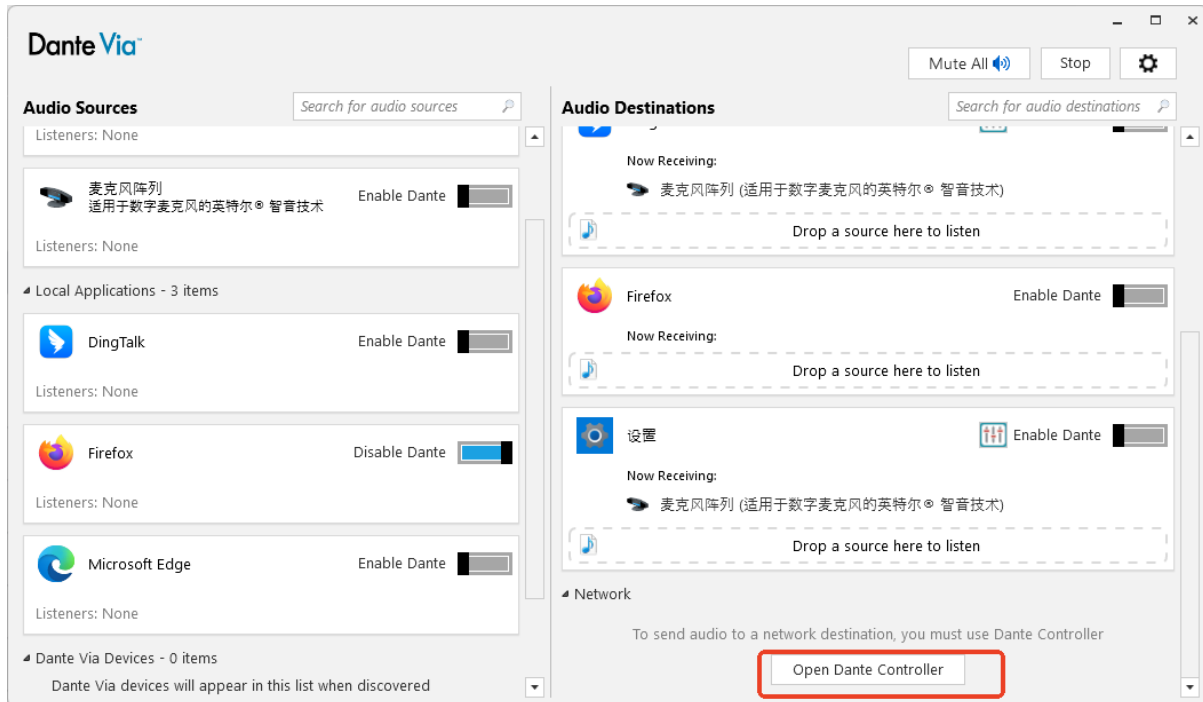
Step 1:

Open Dante Via and ensure it recognizes the computer's audio input. For instance, play music on Spotify via Firefox, and enable the switch option on the right side of Firefox.



Step 2:

The right panel displays output devices. Click "Open Dante Controller" below (if the program is already open, there's no need to click).



Step 3:

In the displayed network view, click the matrix icon corresponding to the Firefox source. After a successful connection, it is as shown in the figure below.

