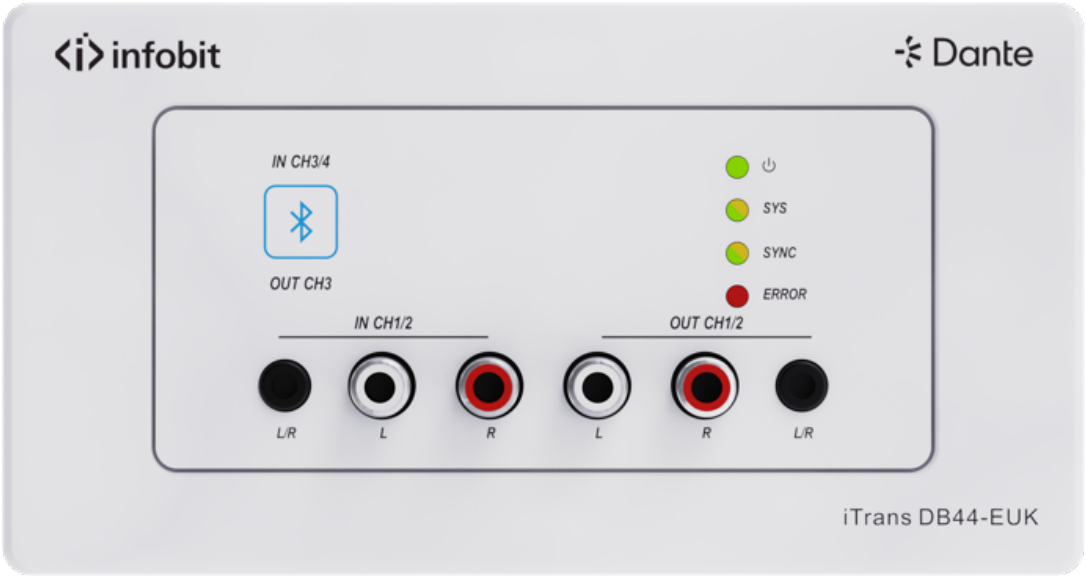
iTrans DB44-EUK

4x3 Dante/AES67 wall plate with Bluetooth

EU & UK 2-Gang Version

User Manual V1.0



PREFACE

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till June 1, 2025. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC STATEMENT

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.

Table of Contents

1. INTRODUCTION **4**

2. FEATURES **4**

3. PACKAGE LIST **4**

4. SPECIFICATION **5**

5. PANEL DESCRIPTION **6**

6. DIAGRAM **8**

7. DANTE CONTROLLER **8**

8. WEB-UI CONTROL **12**

8.1 GET WEB GUI IP ADDRESS 12
8.2 LOGIN THE WEB GUI 13
8.3 DANTE INFO 14
8.4 BLUETOOTH CONFIG 15
8.5 INPUT 16
8.6 OUTPUT 17
8.7 NETWORK 17
8.8 SECURITY 18

9. API COMMAND **19**

9.1 API COMMAND LIST **19**

1. INTRODUCTION

The **iTrans DB44-EUK** is a professional 4x3 Dante wall plate with Bluetooth. It includes stereo Bluetooth wireless audio input, 3.5mm jack and RCA jack for line inputs and support transfer uncompressed audio via standard Ethernet networks with near-zero latency. The unit also included 3.5mm jack and RCA jack for line output.

The wall panel is powered by PoE and supports Web-UI and Dante software control.

2. FEATURES

- Dante 4x3 wall panel with **Bluetooth**
- **One-key pairing** with back-lit indication
- Supports **Bluetooth 5.3**, complaint with V5.0/4.0/2.1+EDR
- Transmission without obstruction distance up to **20m**
- Compatible with most smartphones, Apple iPads, and Android tablets
- Controllable by **Web-UI**, **Dante Controller** or Dante Director software
- Supports **API** for control center for system control usage
- Powered by network switch via **PoE** (IEEE 802.3af)
- **UK and EU** 2-in-1 2-Gang Version

3. PACKAGE LIST

- 1x iTrans DB44-EUK
- 1x User manual

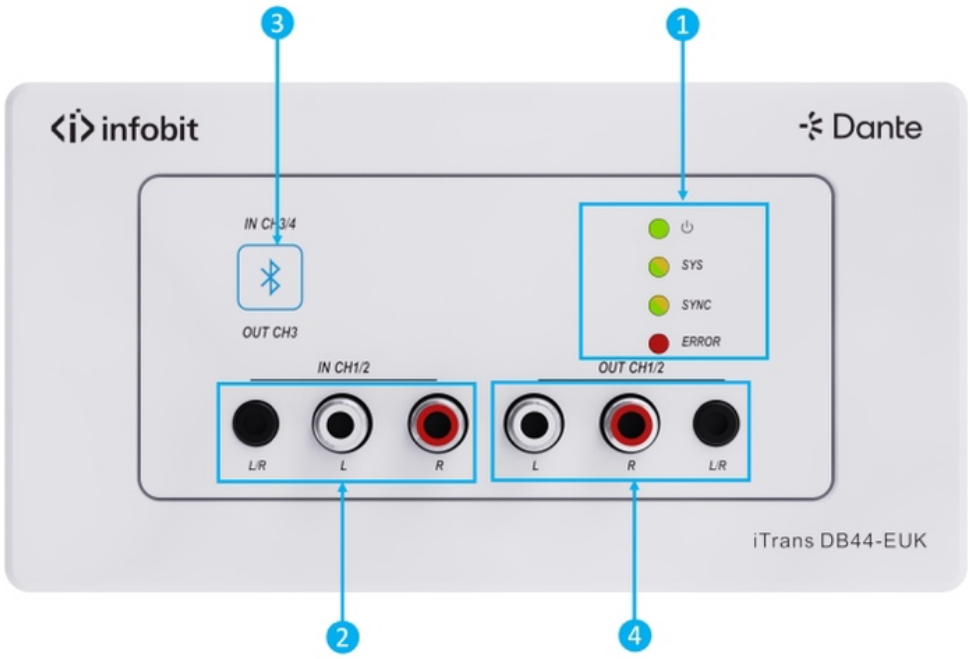
Note: Please contact your distributor immediately if any damage or defect in the components is found.

4. SPECIFICATION

Input	
Input	(1) L+R unbalanced analog audio, (1) 3.5mini unbalanced analog audio
Input Connector	(2) RCA jack, (1)3.5mm mini jack
Output	
Output	(1) L+R unbalanced analog audio, (1) 3.5mini unbalanced analog audio
Output Connector	(2) RCA jack, (1) 3.5mm mini jack
Audio Performance	
Gain	0 dB
Volume	Input: -12 ~ +18dB, 6dB per step Output: -60 ~ 0dB, 1dB per step
Max Level	Input: +12dBu @ 0dB input gain Output: +12dBu @ 0dB output gain
S/N Ratio	> 90dB @ Max Level (A-weighted)
Output Noise	< -79dBu @ 0dB gain (A-weighted)
THD	< 0.05% at 0dBu,1kHz, 0dB gain (A-weighted)
Sample Rate	44.1kHz or 48kHz
Control	
Control Methods	(1) Web-UI and Dante control (1) Pair button
Control Connector	(1) RJ45 (1) Bluetooth button
General	
External Power Supply	PoE (IEEE 802.3af)

Operation Temperature	- 5℃ ~ + 55℃ (23℉ ~ 131℉)
Storage Temperature	- 25℃ ~ + 70℃ (-13℉ ~ 158℉)
Relative Humility	90% RH or less (No condensation)
Power consumption	4.22W (Max)
Dimension (W*H*D)	104.5 x 89.0 x 43.7 mm
Net Weight	265g

5. PANEL DESCRIPTION



① **LED:**

- **Power LED:** Illuminates green when power is applied.
- **SYS LED:** Illuminates yellow when system starts, and green when system is ready.
- **SYNC LED:** Illuminates green when the clocks are synchronized between master and slave devices, and yellow when the clocks are out of sync.
- **ERROR LED:** Illuminates red when the unit has an internal failure.

② **IN CH1/2:** 1x 3.5mm jack and 2x RCAs for analog audio input.

③ **IN CH3/4 & OUT CH3:** 1x Bluetooth pairing button with back-lit indication. Press the button to start pairing, the back-lit indication will begin flashing and accept pairings, press and hold the button for 5s to release connection.

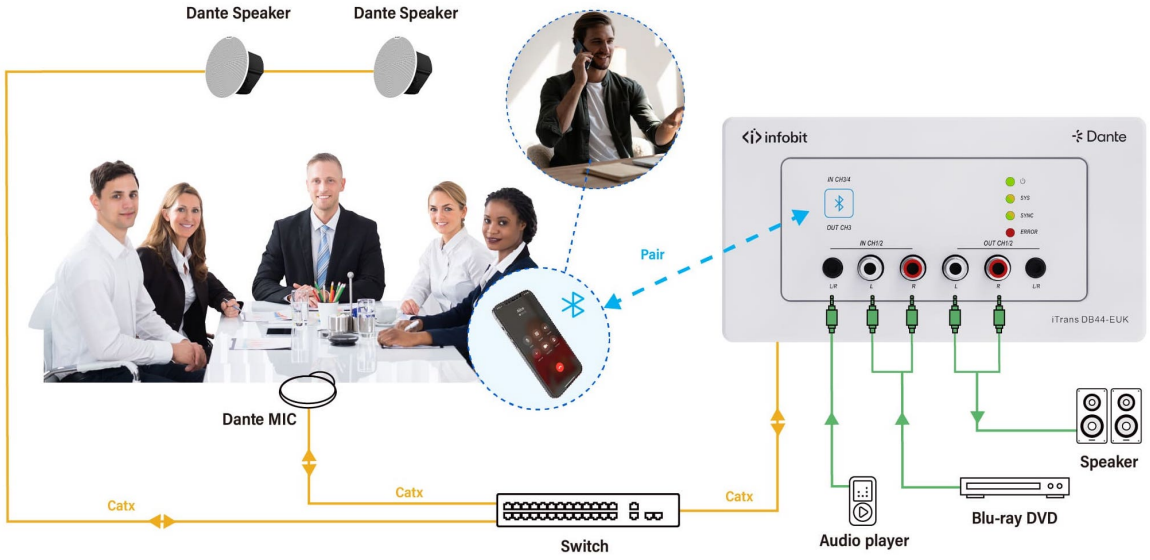
④ **OUT CH1/2:** 1x 3.5mm jack and 2x RCAs for analog audio output.

⑤ **Reset:** Press and hold 5s to factory reset.

⑥ **FW:** 1x USB-C, use for Bluetooth chipset upgrade.

⑦ **Dante:** 1x RJ45, Dante® Ethernet interface connector

6. DIAGRAM



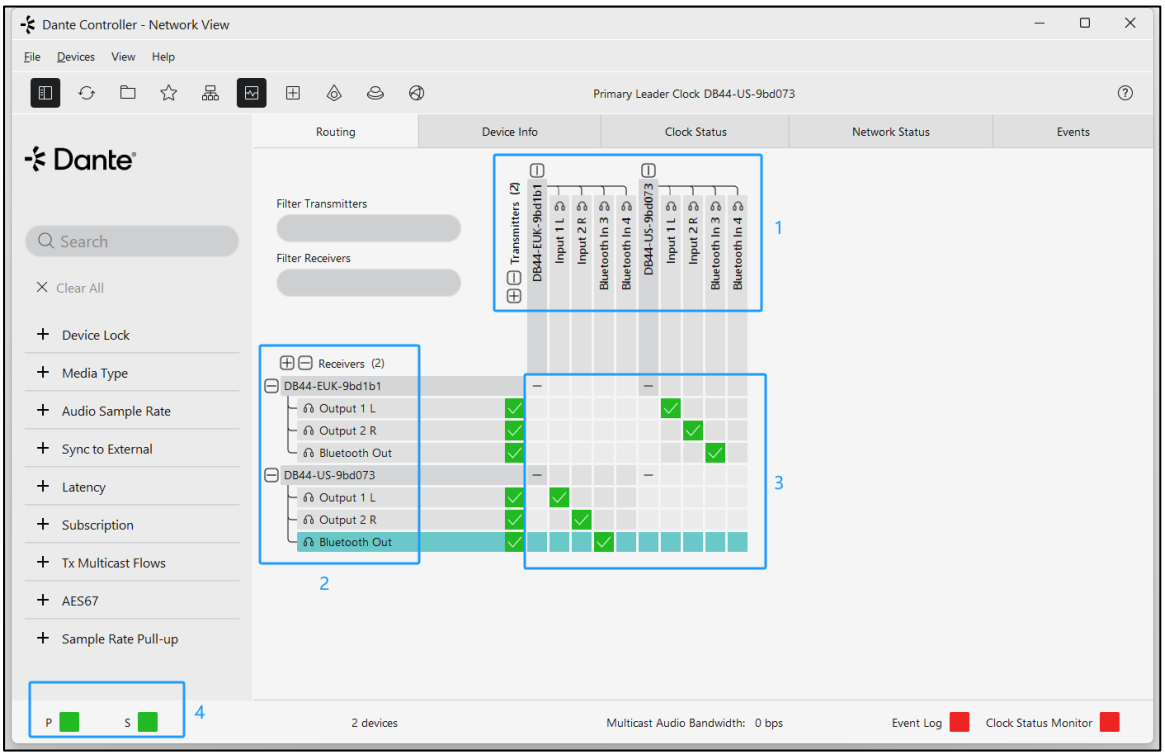
7. DANTE CONTROLLER

Dante Controller is a free software application that enables to route audio and configure devices on a Dante network. With automatic device discovery, one-click signal routing and user-editable device and channel labels, setting up a Dante network couldn't be easier. See the overview for more detail on Dante audio networking.

Dante Controller is much more than just a configuration and routing matrix. Dante Controller provides essential device status information and powerful real-time network monitoring, including device-level latency and clock stability status, multicast bandwidth usage, and customized event logging, enabling to quickly identify and resolve any potential network issues. It can also quickly and easily backup, restore, move, and reuse Dante network configurations using Presets, and edit Dante routing configurations offline.

Dante Controller is available both for Windows and Mac OS X. It is open for registered *www.audinate.com* users to download directly from the website.

Overview of Dante Controller:



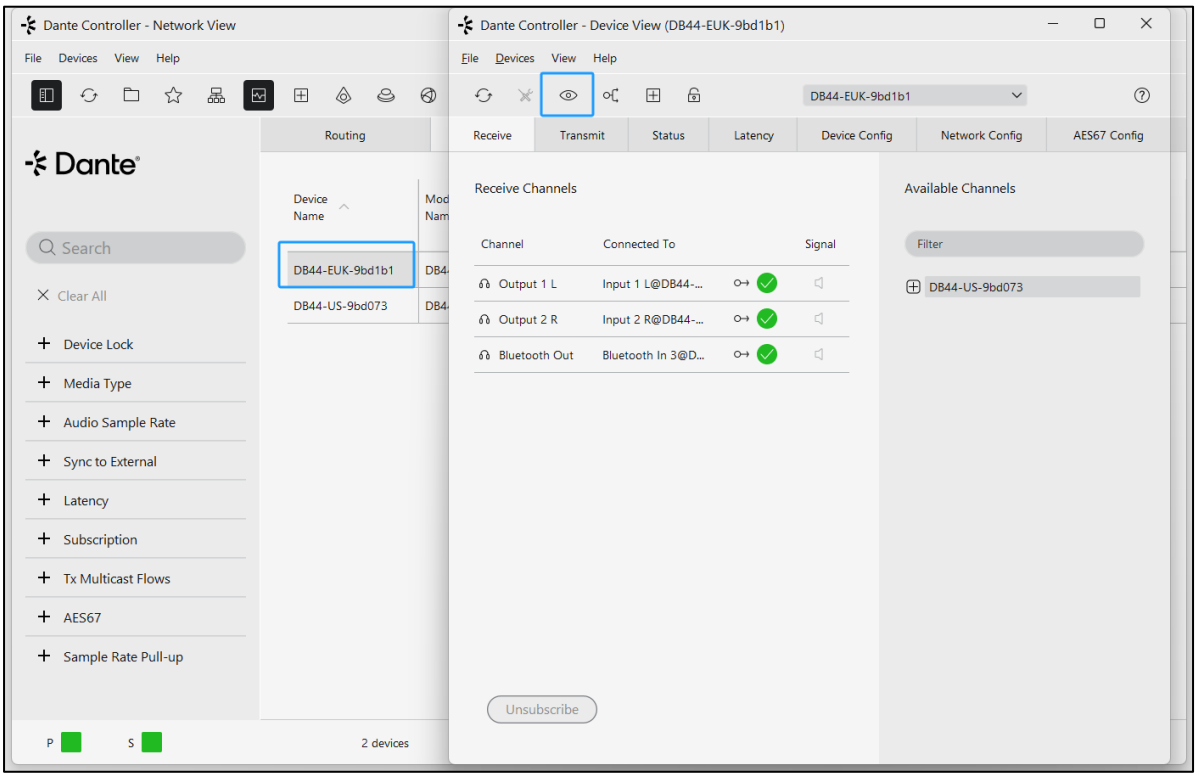
1- Transmitters: including model name, all input channels.

2- Receivers: including model name, all output channels.

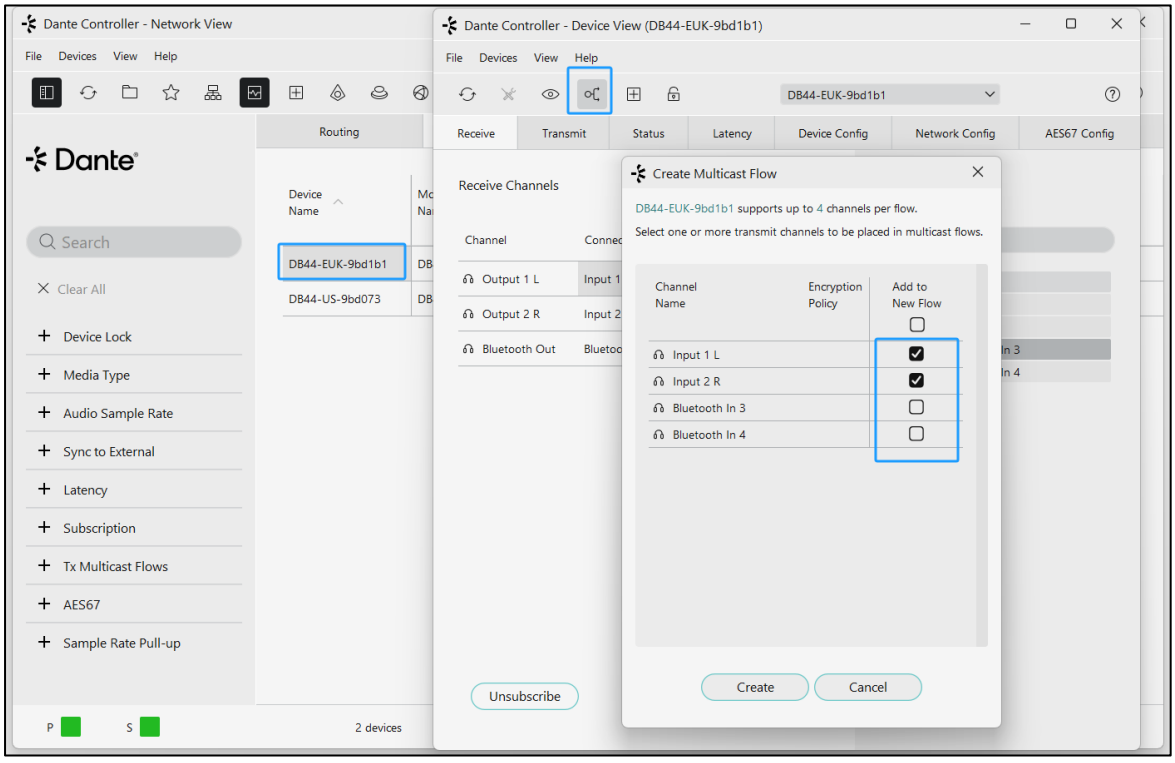
3- Subscription: Check the input-output channel.

4- Status: It turns green when the device is linked successfully via network. Wireless connection and debug mode can be selected.

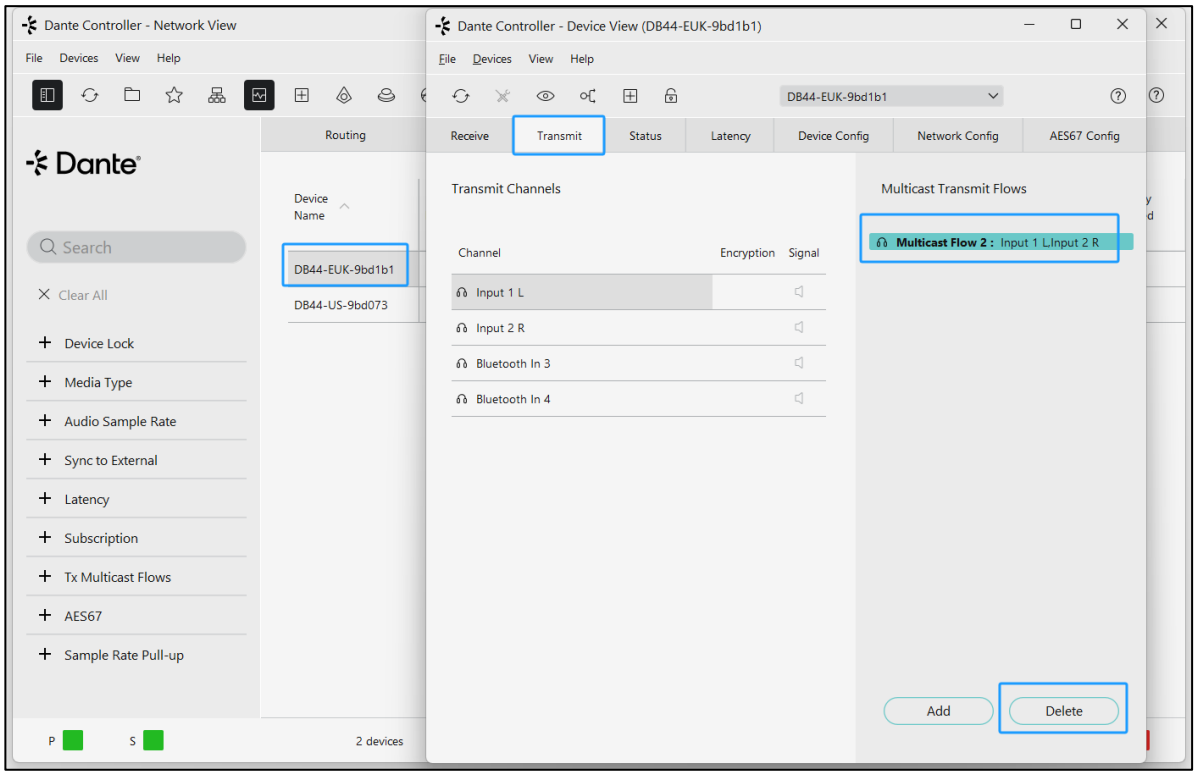
The default setting only supports 2 transmit and 2 receive flows, if more than 2 devices are needed, please click any device to enter **Device View** page.



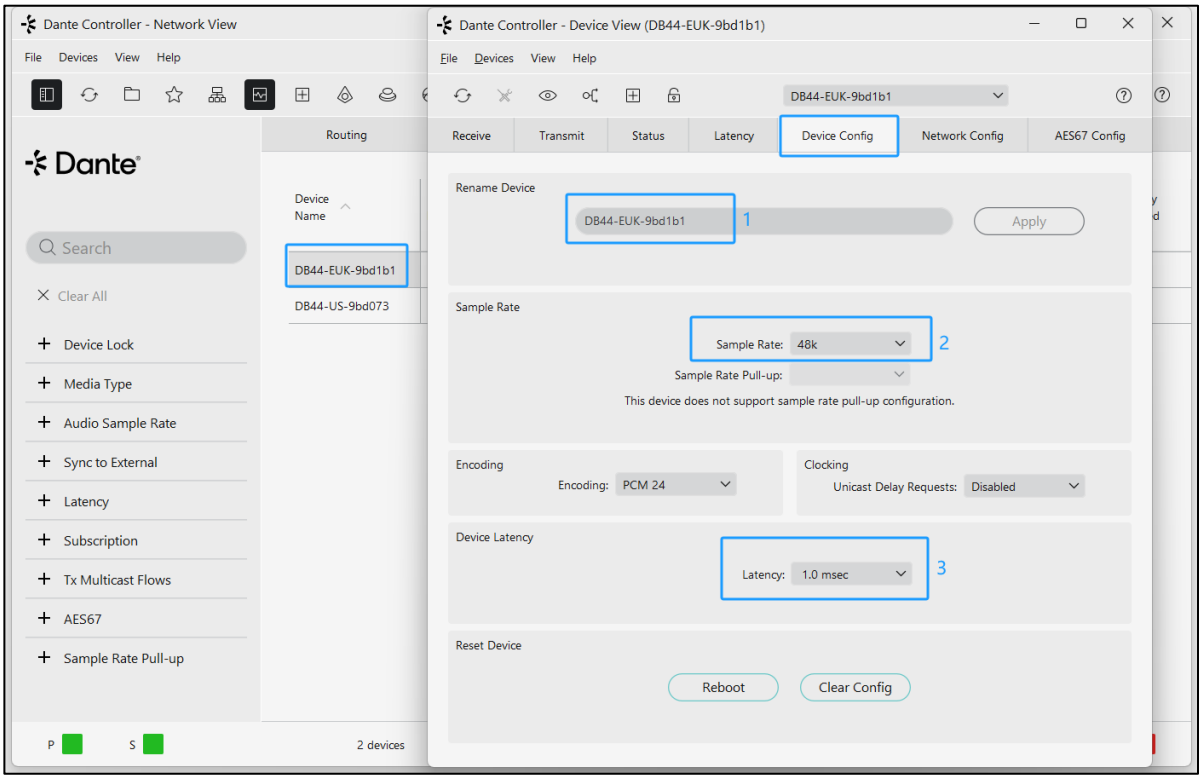
Select the device and tick the input channels.



Click Transmit and delete the transmit flows for disabling multicast mode as the below:



Click the device name, then turn into **“Device Config”** page.



1- **Rename** the device.

2- Choose the sample rate **44.1 or 48KHz**.

3- Adjust the **latency**.

Note: For more details about Dante Controller, please download the user guideline at the Audinate website: www.audinate.com.

8. WEB-UI CONTROL

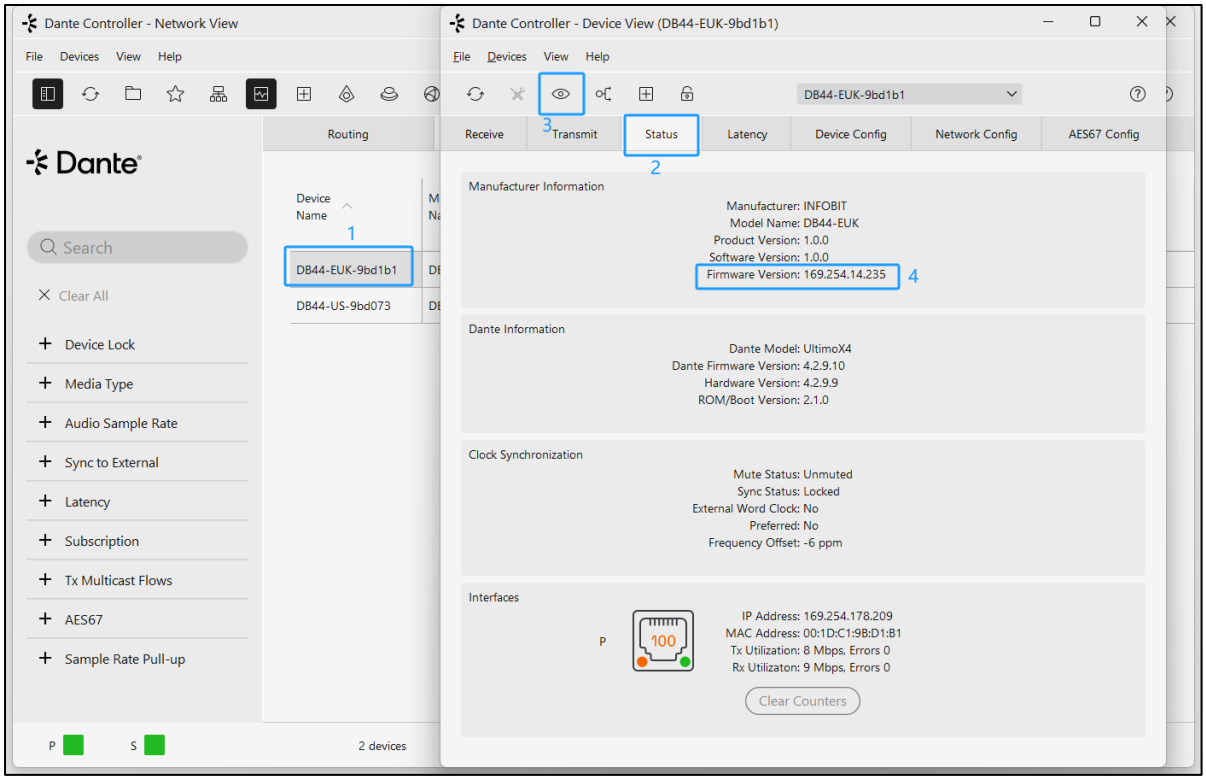
The **iTrans DB44-EUK** can be controlled via web-based GUI. It allows users to interact with **DB44-EUK** through graphical icons and visual indicators.

8.1 GET WEB GUI IP ADDRESS

Since the default is DHCP mode, to enter the GUI interface, you need to click the Identify device button three times continuously on the Dante controller

software to obtain the IP address and then enter the IP address in the browser to enter the GUI interface.

Another way to get the IP address is to query the router's connection list.



1- Double click the model **“DB44-EUK-xxx”**

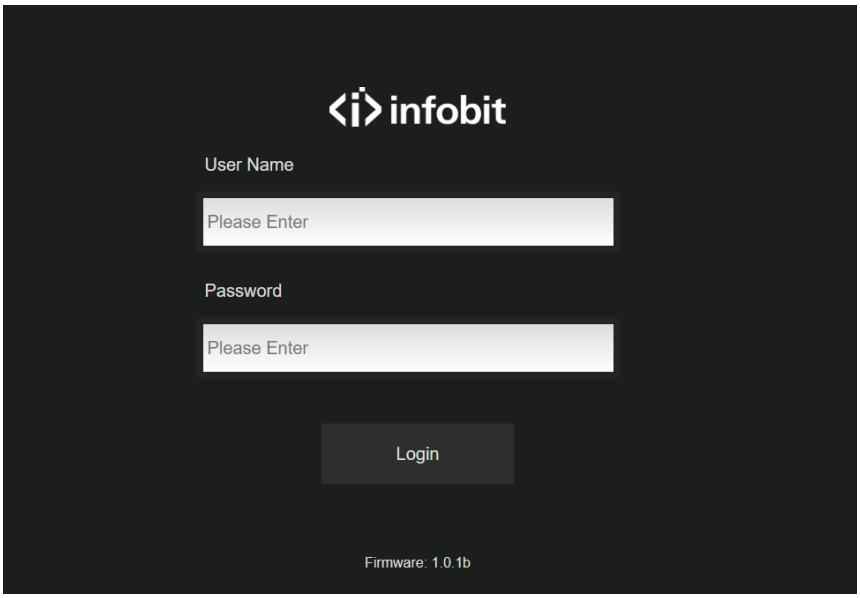
2- Click **“Status”**

3- Click **3x times** this icon 

4- Show the Firmware Version **(Web GUI IP address).**

8.2 LOGIN THE WEB GUI

You can also set a fixed IP address by selecting Static IP. After getting the IP address of Web-UI, enter the IP address on the browser. It will enter the log-in interface shown as below:

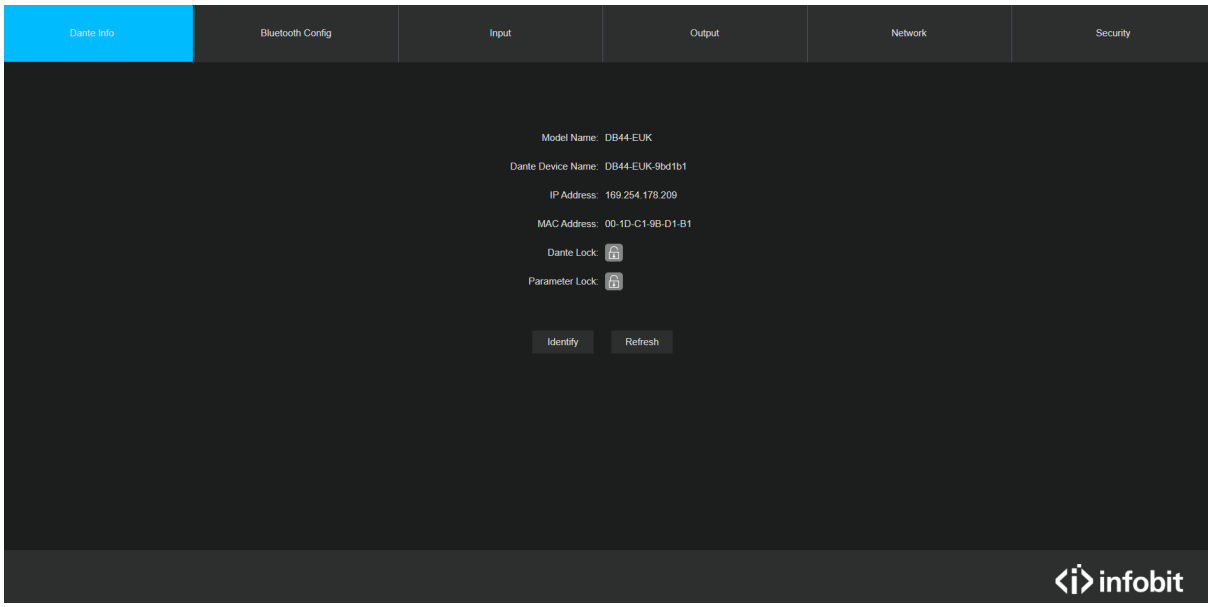


Username: **admin**

Password: **admin**

Type the username and password, and then click **Login** to enter the section for Dante Info.

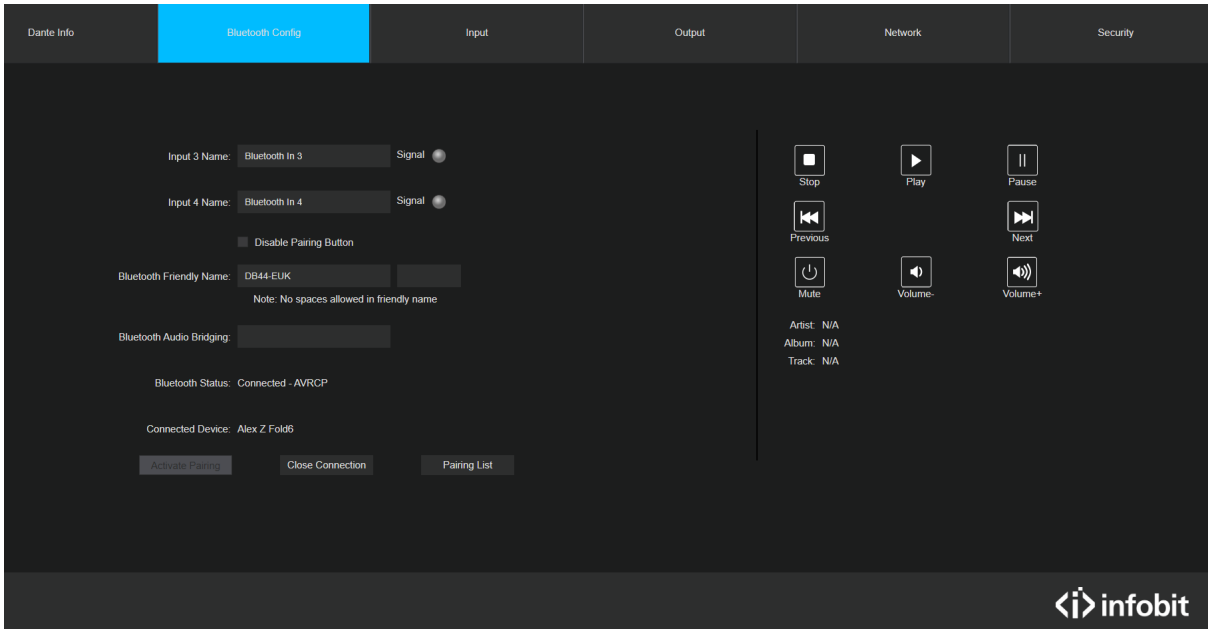
8.3 DANTE INFO



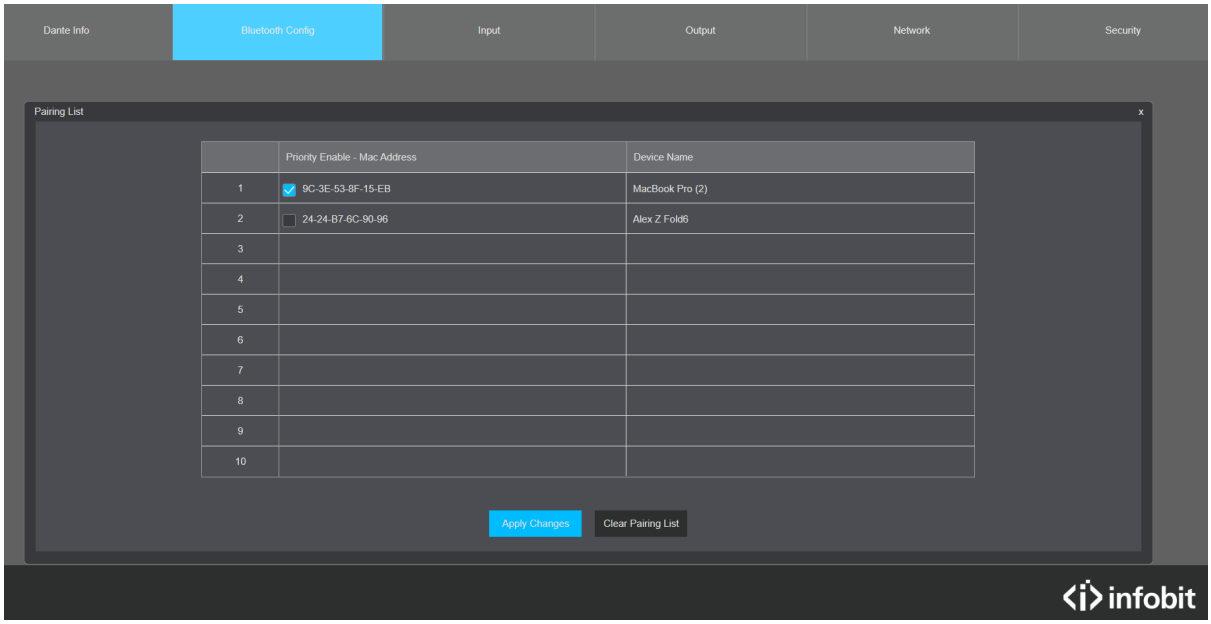
In this page, it shows the model's name, device name, IP address and MAC address.

- **Dante Lock:** Reports the status if Dante device is locked in Dante Controller.
- **Parameter Lock:** If the user clicks it, the parameter of the device can't be adjusted like input's gain or output's volume.
- **Identify:** Click the Identify to keep the unit's system LED flash, so that users can find the corresponding unit in a scenario with many devices.
- **Refresh:** Refresh the information in this section.

8.4 BLUETOOTH CONFIG



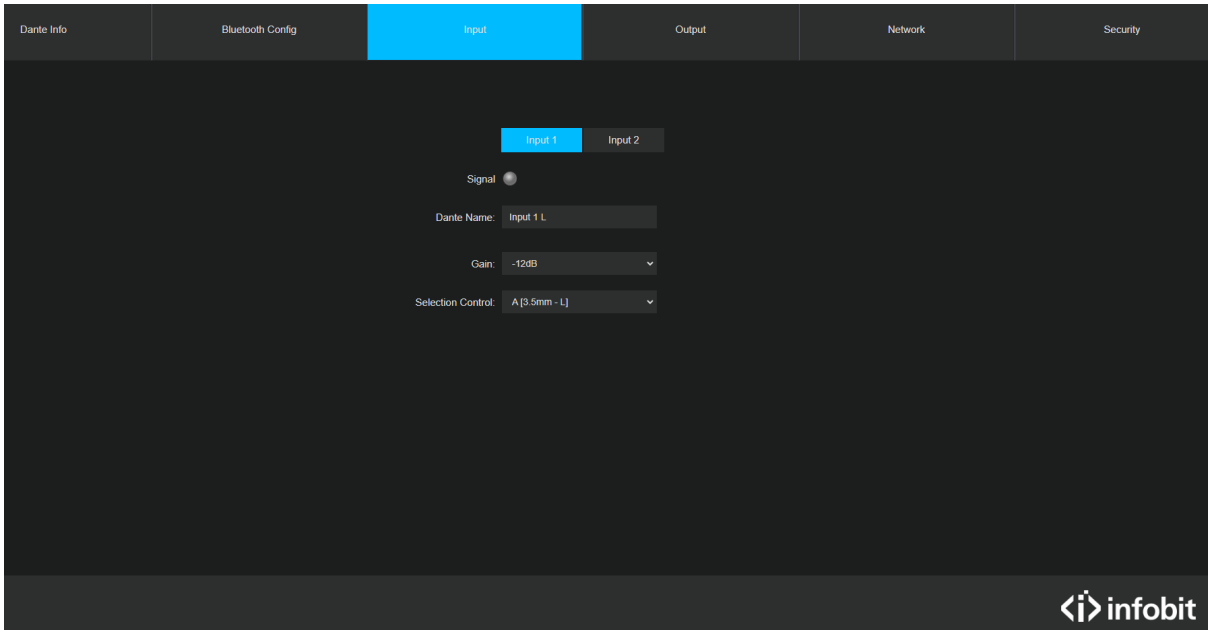
- **Input 3/4 Name:** Reports the Dante transmitter channel name for corresponding analog input and rename the input.
- **Bluetooth Friendly Name:** Set the name of the device when it is recognized by Bluetooth.
- **Activate Pairing**: Activate pairing mode on the device.
- **Close Connection:** Close the active Bluetooth® connection and only active when the Bluetooth® status is "Connected". Once click for close current connection and the pairing button will flash for next connection, click again to turn off pairing status.
- **Pairing List:** Click to open the pairing list.



Allow the user to identify devices which have paired to the **iTrans DB44-EUK** and establish priority devices with the device.

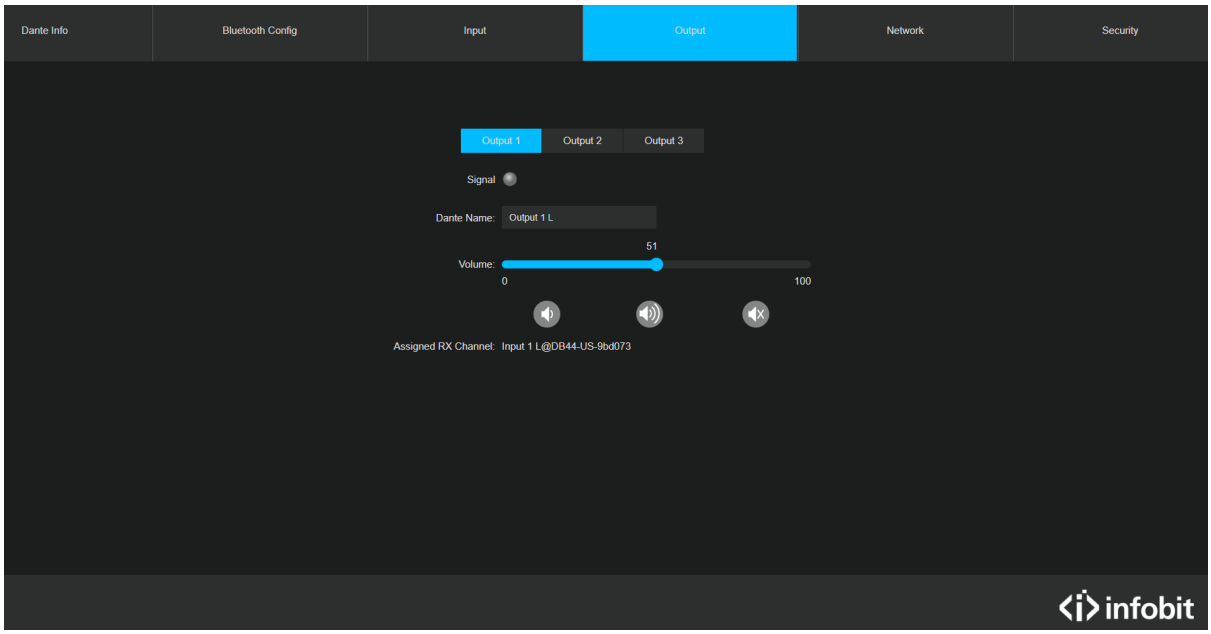
Check the device you want to connect automatically, then drag to arrange the priority, click the edit priority button to save the setting.

8.5 INPUT



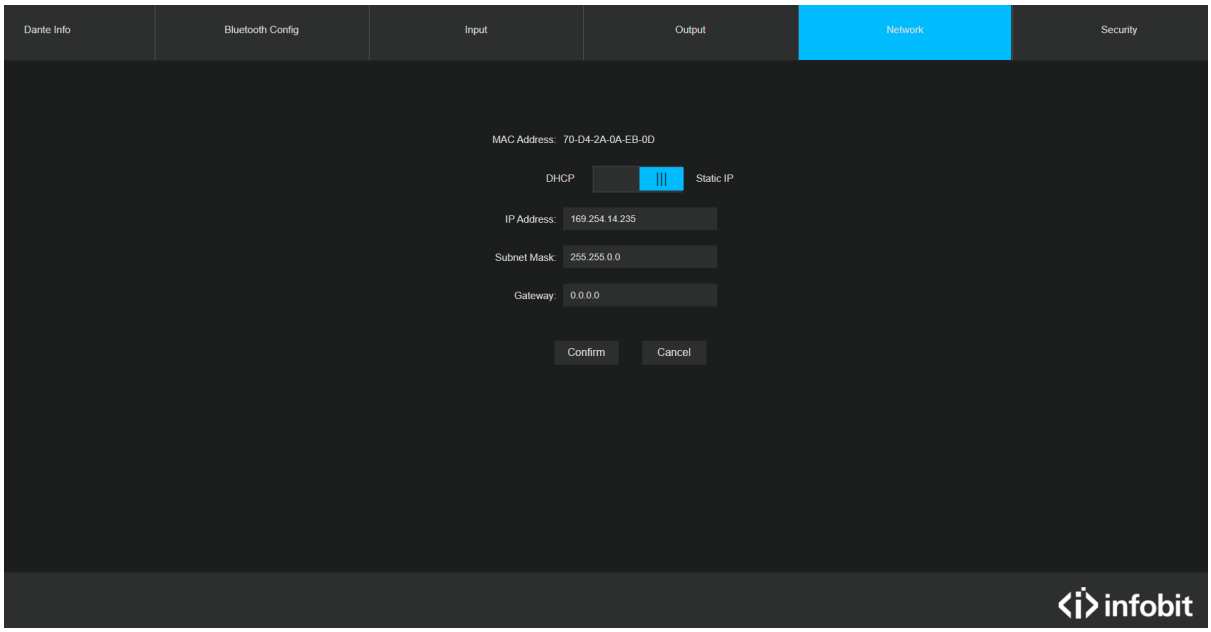
- **Name:** Reports the Dante channel name for corresponding analog input.
- **Gain:** Allows the user to adjust the input's gain from -12db to 18db
- **Selection Control:** Choose the input.

8.6 OUTPUT



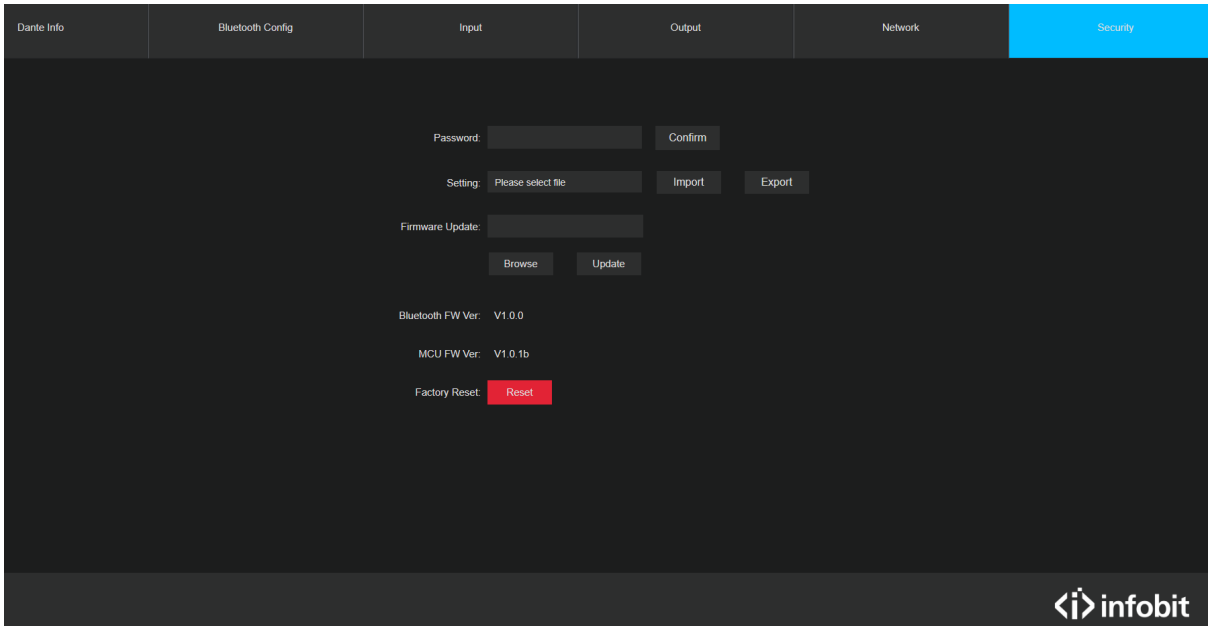
- **Name:** Reports the Dante output channel name for corresponding analog output.
- **Volume:** Adjust the output volume form -60db to 0db.

8.7 NETWORK



- Static IP or Dynamic Host Configuration Protocol (DHCP).
- Modify the static IP Address, Subnet Mask, and Gateway.

8.8 SECURITY

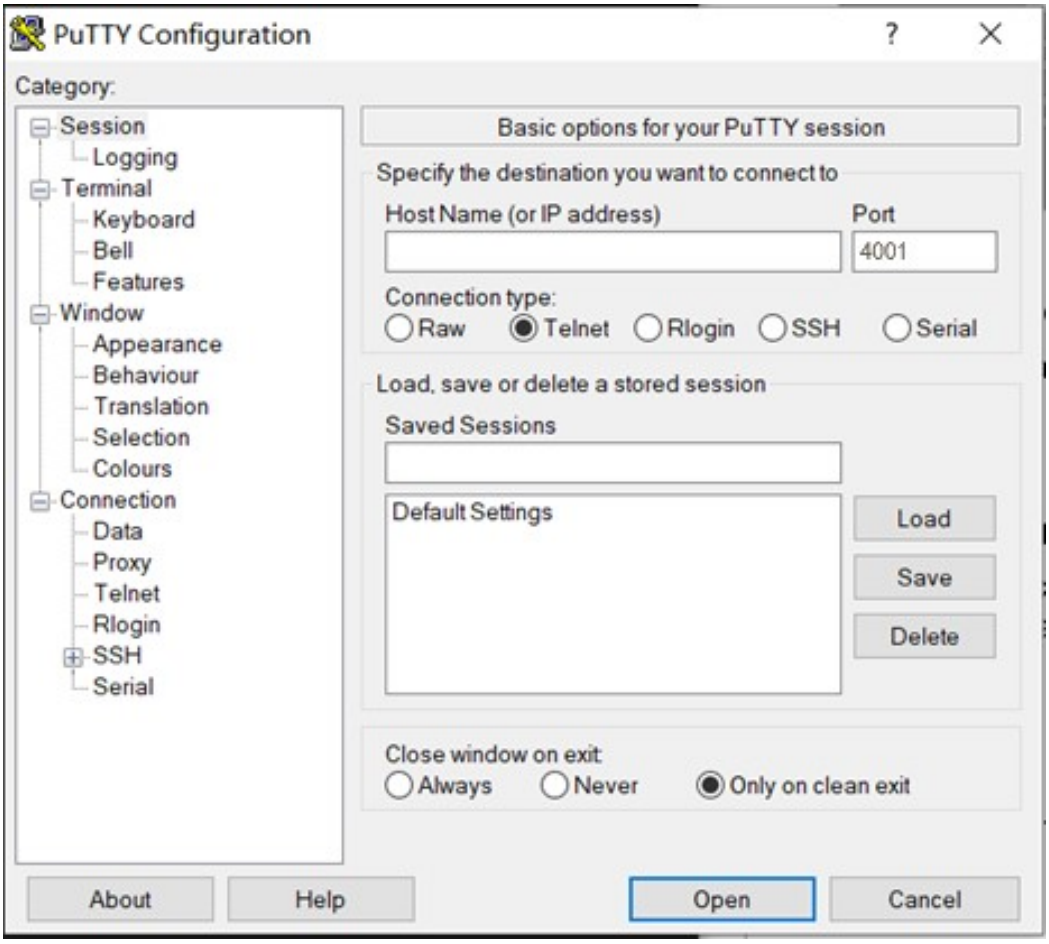


In this page, the user can change the password.

It can also support firmware upgrade, importing or exporting the setting.

9. API COMMAND

The Dante device can be controlled by Telnet. Take Putty here as an example.



Firstly, type in the IP address of GUI in “Host Name” and the port is **4001**, chose Telnet connection type, then click the open, and a new window will pop up. Then the user can send commands to control the Dante device.

9.1 API COMMAND LIST

Command ending: <CR><LF>

Error feedback: <Command Error <Out of Range

Command	Function	Example
>Livol,x:z	Set the gain of input x. x=1,2 means input 1 or input 2 z=0 - 5 0 means -12dB, 5 means 18dB. 6dB step.	>Livol,1:2
		<Livol,1:2
>GetLivol:x	Query gain of input. x=1,2 means input 1 or input 2	>GetLivol:1
		<Livol,1:3
>Lisel,x:z	Select which mode (RCA/Jack) is used for the line level input x. x=1,2 means input 1 or input 2 z=1,2,3 where 1 is jack only, 2 is RCA only and 3 is mix both RCA and Jack.	>Lisel,1:1
		<Lisel,1:1
>GetLisel:x	Query which mode the input x is using. x=1,2 means input 1or input 2	>GetLisel:1
		<Lisel,1:1
>Lovol,y:z	Set volume of output. y=1…3 means output 1...output 3 z = 0 - 100	>Lovol,2:80
		<Lovol,2:80
>GetLovol:y	Query output volume on specified output y y=1...3 means output 1...output 3	>GetLovol:2
		<Lovol,2:80
>Mute:y	Mute the output port y. y=1…3 means output 1...output 3	>Mute:1
		<Mute:1
>Unmute:y	Unmute the output port y. y=1…3 means output 1...output 3	>Unmute:1
		<Unmute:1
>GetMute:y	Query status of mute on output port y. y=1…3 means output 1...output 3	>GetMute:1
		<Mute,1
>ParameterlockOn	Lock the parameter.	>ParameterlockOn

		<ParameterlockOn
>ParameterlockOff	Unlock the parameter.	>ParameterlockOff
		<ParameterlockOff
Command	Function	Example
>IdentifyOn	Turn on the function to be identified.	>IdentifyOn
		<IdentifyOn
>IdentifyOff	Turn off the function to be identified.	>IdentifyOff
		<IdentifyOff
>Locate	Locate the unit. The LEDs on front panel will twinkle in 10s if the command is triggered.	>Locate
		<Locate
>SavePresetaudio:z	Save the current setting(input gain, output volume, mute status) to preset. z=1,2,... 10	>SavePresetaudio:1
		<SavePresetaudio:1
>Loadpresetaudio:z	Use the saved preset z.	>LoadPresetaudio:1
		<LoadPresetaudio:1
>Reboot	Reboot the device.	>Reboot
		<Reboot
>Reset	Factory reset the unit.	>Reset
		<Reset
>GetAudioLevels	Query audio volume and mute status.	>GetAudioLevels
		<Livol,3:3 <Livol,4:3 <Lovol,1:80 <Lovol,2:80 <Lovol,3:80 <Mute,1 <Unmute,2

		<Unmute,3 <Lisel,3:1 <Lisel,4:2
>GetDanteLock	Query the lock status of the unit.	>GetDanteLock
		<DanteLock:Unlock
>GetSignals	Query the status of the audio. (Invalid signal/Signal clipping/Valid signal /No signal)	>GetSignals
		<Input1:Valid Signal <Input2:Valid Signal <Input3:No Signal <Input4:No Signal <Output1:Valid Signal <Output2:Valid Signal <Output3:No Signal
>GetChannelLabel	Query the label of channel.	>GetChannelLabel
		<OUT 1 Tx1 <OUT 2 Tx2 <Bluetooth OUT 3 Tx3 <Bluetooth OUT 4 Tx4 <IN 1 Rx1 <IN 2 Rx2 <Bluetooth IN Rx3
>BtName:name	set a new bluetooth friendly name, visible to other bluetooth devices when in pairing mode.	>BtName:DB44
		<BtName:DB44
>GetBtName	get bluetooth friendly name.	>GetBtName
		<BtName:DB44
>GetBtConnectedDevice	get connect BT device name.	>GetBtConnectedDevice
		<ConnectedDevice:iphone

>BtButtonLockOn >BtButtonLockOff	Lock/Unlock the front panel button.	>BtButtonLockOn >BtButtonLockOff
		<BtButtonLockOn <BtButtonLockOff
>GetBtButtonLock	Query the lock status of the the front panel button.	>GetBtButtonLock
		<BtButtonLockOn
>BtPlay	AVRCP Play command.	>BtPlay
		<BtPlay
>BtPause	AVRCP Pause command.	>BtPause
		<BtPause
>BtStop	AVRCP Stop command.	>BtStop
		<BtStop
>BtNext	AVRCP Next command.	>BtNext
		<BtNext
>BtPrev	AVRCP Previous command.	>BtPrev
		<BtPrev
>BtVolUp	AVRCP Volume Up command.	>BtVolUp
		<BtVolUp
>BtVolDn	AVRCP Volume Dn command.	>BtVolDn
		<BtVolDn
>BtBridging:z	set bluetooth audio bridging. This command can be set only when Bluetooth is idle. z=0,1,2 0 means Both Call Bridging and Media Audio Bridging enabled 1 means Only Media Audio Bridging enabled 2 means Only Call Bridging enabled	>BtBridging:0
		<BtBridging:0

>GetBtBridging	Query the bridging of bluetooth. 0 means Both Call Bridging and Media Audio Bridging enabled 1 means Only Media Audio Bridging enabled 2 means Only Call Bridging enabled	>GetBtBridging
		<BtBridging:0
>GetBtStatus	Query the status of bluetooth. (Idle/Discoverable/Connected/Connected - AVRCP)	>GetBtStatus
		<BluetoothStatus:Idle
>BtActivatePairing	Activates pairing mode on the device similar to pressing the front panel button.	>BtActivatePairing
		<BtActivatePairing
>BtCloseConnection	Closes the active bluetooth connection when the bluetooth status is "Connected" or "Connected - AVRCP"	>BtCloseConnection
		<BtCloseConnection
>BtClearPairing	Clears the pairing list.	>BtClearPairing
		<BtClearPairing
>GetStatus	Query system status and port status.	>GetStatus
		……
>GetBtSong	Retrieve the track title for the current audio	>GetBtSong
		<BtSong:Still Counting
>GetBtArtist	Retrieve the artist information for the current audio	>GetBtArtist
		<BtArtist:Volbeat
>GetBtAlbum	Retrieve the album information for the current audio	>GetBtAlbum
		<BtAlbum:Guitar Gangsters & Cadillac Blood