TURTLE



MINEOLA MICRO

User Guide

October 2026

THANK YOU FOR PURCHASING THIS PRODUCT

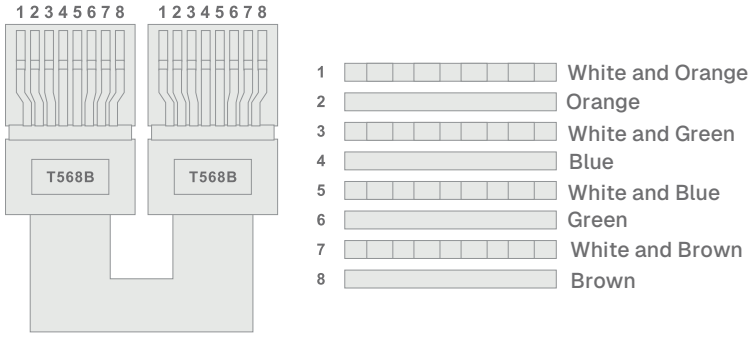
For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

CAUTION

The network cable connection method required for this product is direct connection. Please do not cross connect.



Direct Interconnection Method

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01. INTRODUCTION

This Dante® 2CH XLR Input Adapter converts two-channel balanced/ unbalanced XLR analog audio into Dante® 2CH digital audio, then transmits the audio to the receiving end through network (Dante®).
Analog audio input supports 5-level sensitivity adjustment and 48V phantom power.
The adapter features built-in 8-band parametric EQ, expander and compressor DSP processing. It supports local USB-C port power supply and PoE function.

2. FEATURES

- Two-channel XLR analog audio to Dante® 2CH digital audio
- Balanced/unbalanced XLR analog audio input
- Supports 48V Phantom Power
- Analog audio input supports 5-level sensitivity adjustment (+24dBu, +4dBu, OdBV, -18dBV, -35dBV)
- DSP processing includes 8-band parametric EQ, expander and compressor
- Dante® audio sampling rate supports 44.1/48/88.2/96kHz@16/24/32bit
- 1, 2 or 5ms configurable latency using Dante® Controller
- AES67 RTP audio transport supported
- Configurable using Web GUI or Dante® Controller
- Supports local USB-C port power supply and PoE function (Class 0802.3af PoE)
- Compact design for easy and flexible installation

3. PACKAGE CONTENTS

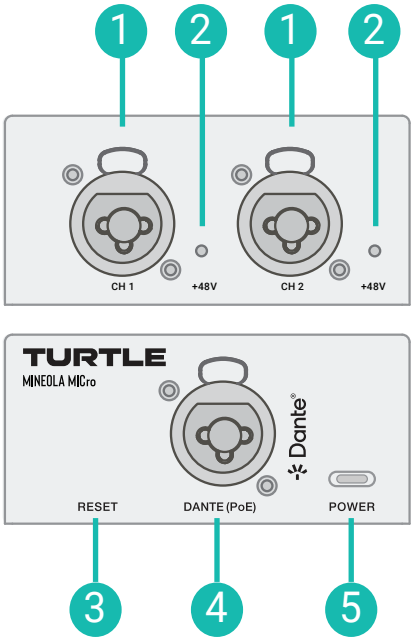
① 1x Dante® 2CH XLR Input Adapter
② 2x Mounting Ear
③ 4x Machine Screw

4. SPECIFICATIONS

Technical		
Input	Two-channel balanced/unbalanced XLR analog audio	
Output	Dante® 2CH digital audio	
Control Method	Dante® Controller or Dante® Web GUI	
Network Bandwidth	100Mbps	
Audio Latency	Configurable Dante® device latency (Supports 1, 2 or 5ms configurable using Dante® Controller	
Audio Formats	LINE IN [Analog audio, Balanced/unbalanced 2CH, Max input level 24dBu] MIC IN [Analog audio, Balanced/unbalanced 2CH, Min input level -35dBV] DANTE OUT [Digital audio output, PCM 2CH 44.1k-96kHz 16/24/32bit]	
Audio Parameters	**XLR Analog Audio In**	
	Input Impedance	20k Ohm balanced 10k Ohm unbalanced
	Line Input Level (Maximum)	+24dBu (12.28Vrms) @balanced audio +18dBu (6.15Vrms) @unbalanced audio
	Frequency Response	20Hz to 20kHz (-/+0.5dB)
	Dynamic Range	>100dB@0dBu, 1kHzA-weighted
	Audio S/N Ratio	>100dB@0dBu, 1kHzA-weighted
	Audio THD+N	< 0.01% at +4dBu, 1kHz
	Audio Output Sync Laytency	<3ms
Transmission Distance	328ft/100m (CAT6/6A/7)	
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)	

Connections	
Input port	2x MIC/LINE IN [XLR/TRS Combo port (female)] 1x POWER [USB-C with USB power only, 12-pin female]
Output port	1x DANTE [RJ45 connector, PoE]
Others	1x RESET button [System reset button] 2x +48V indicator [Green LED, light on/off]
Mechanical	
Housing	Iron
Color	Turtle Aqua
Dimensions	85mm [W] x 120mm [D] x 40 mm [H]
Weight	342g
Power Supply	USB input: 5V/500mA PoE input: PoE IEEE802.3af Class 0
Power Consumption	2.5W (Max)
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C
Storage Temperature	-4°F ~ 140°F 1 -20°C ~ 60°C
Operating Humidity	20% ~ 80% RH (relative humidity, non-condensing)
Storage Humidity	10% ~ 90% RH (relative humidity, non-condensing)

5. OPERATION CONTROLS AND FUNCTIONS



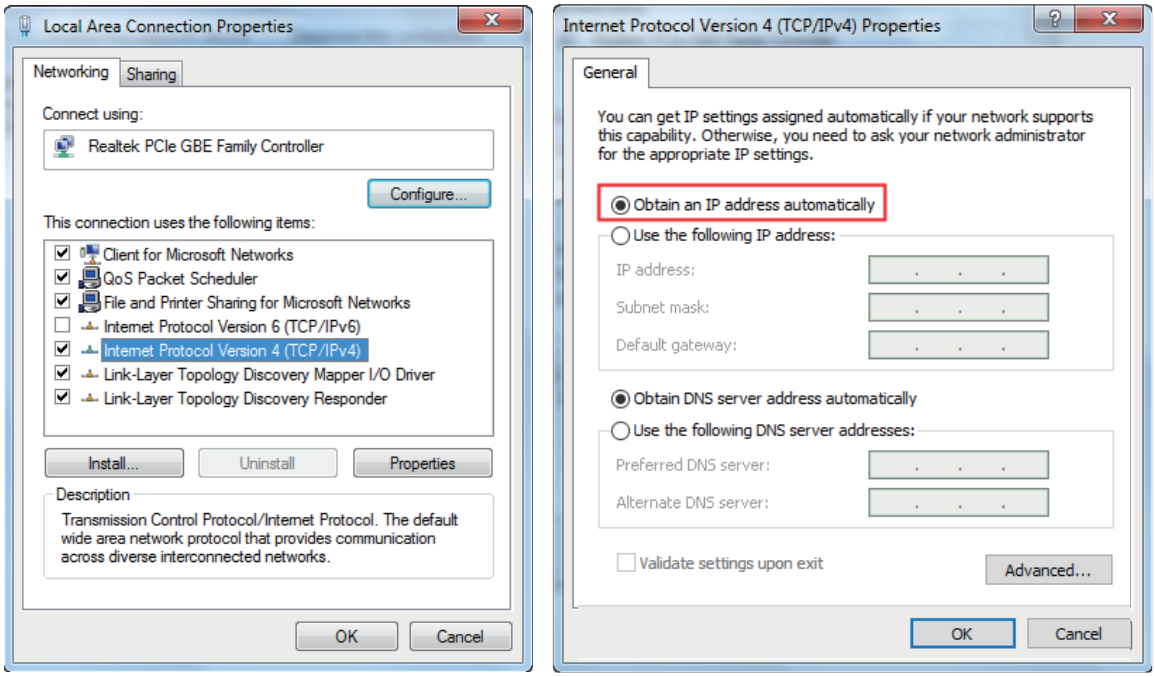
No.	Name	Function Description
1	MIC/LINE CH 1/2 ports	•LINE analogue audio input port, supporting balanced/unbalanced 2CH, with a Max input level of 24dBu. • MIC analogue audio input port, supporting balanced/unbalanced 2CH, with a Min input level of -35dBV. **Note:** These ports support 48V phantom power. When the phantom power function is turned on through Web GUI or API commands, these ports can supply power to the connected MIC.
2	+48V LED (Green)	Two 48V phantom power indicator lights. When the MIC/LINE CH 1/2 port is used as a MIC input port, and the corresponding 48V phantom power is turned on, the corresponding green indicator light is on.
3	RESET button	Press and hold the button for 1 second to reset the unit.
4	DANTE(PoE) port	Dante® network port, supporting PoE, with the following two functions: (1) Dante® digital audio input and output port. (2) Web GUI and TCP/IP control port.
5	POWER port	USB-C power input port.

6. DANTE® WEB GUI OPERATION GUIDE

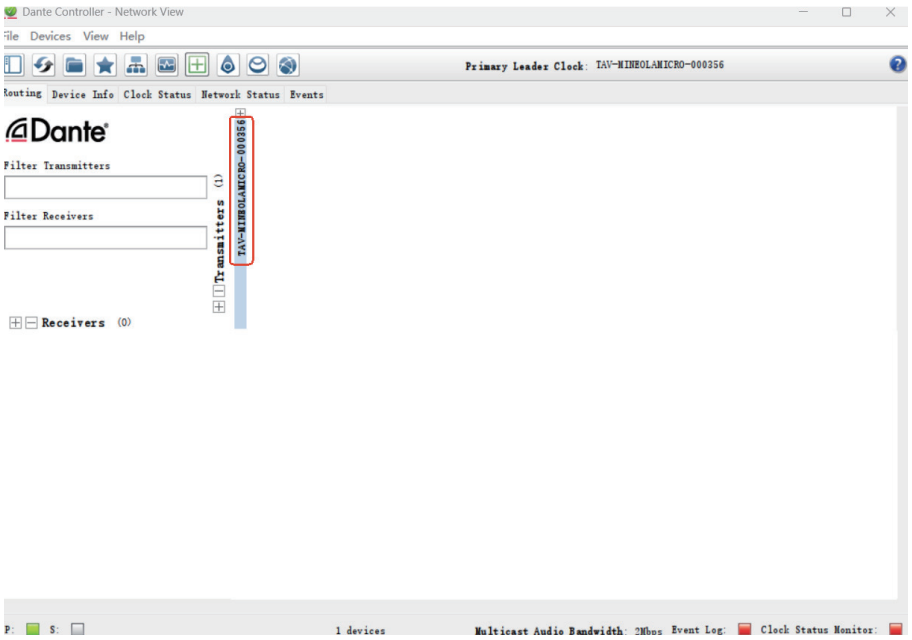
The product can be controlled by the built-in Dante® Web GUI. The operation steps are as follows.

Step 1: Connect the DANTE(PoE) port of the product to the Ethernet Switch.

Step 2: Connect the PC to the same Ethernet Switch, and set the Network connection setting of PC to be “Obtain an IP address Automatically”.

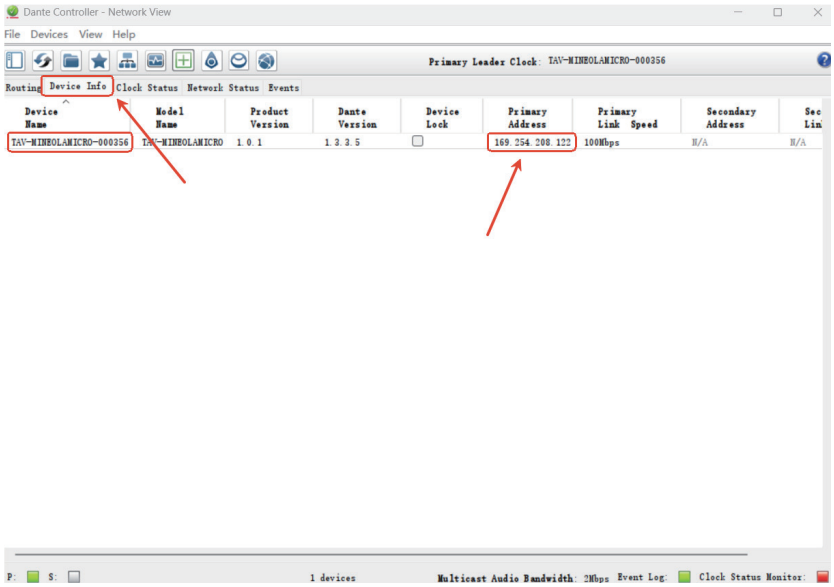


Step 3: Open the Dante® Controller software on the PC, and find the Dante® device on the Routing page, as shown in the figure below.

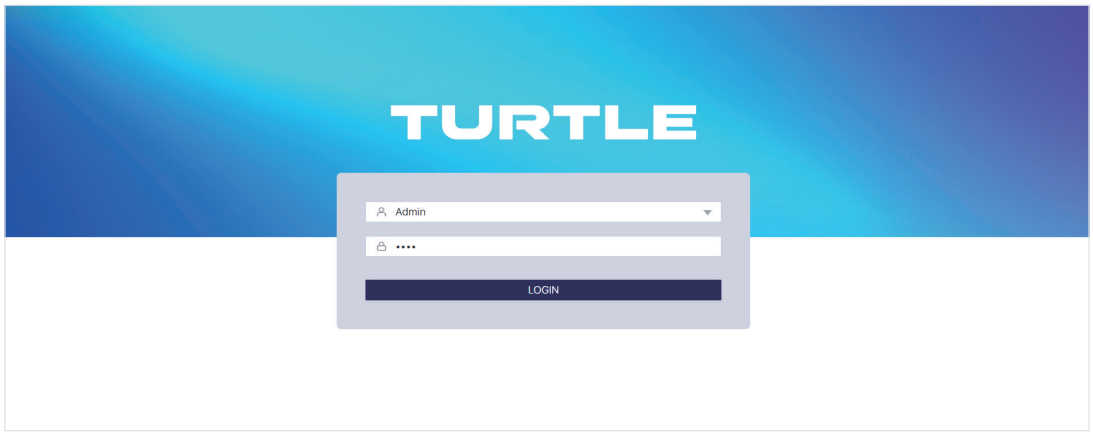


Step 4: Click the Device Info tab to check the IP address of the Dante® device.

Note: The product is set to DHCP mode by default,and users need to check the device IP address through the Dante® Controller.



Step 5: Input the IP address of Dante® device into your browser on the PC to enter the login interface of the Dante® Web GUI.

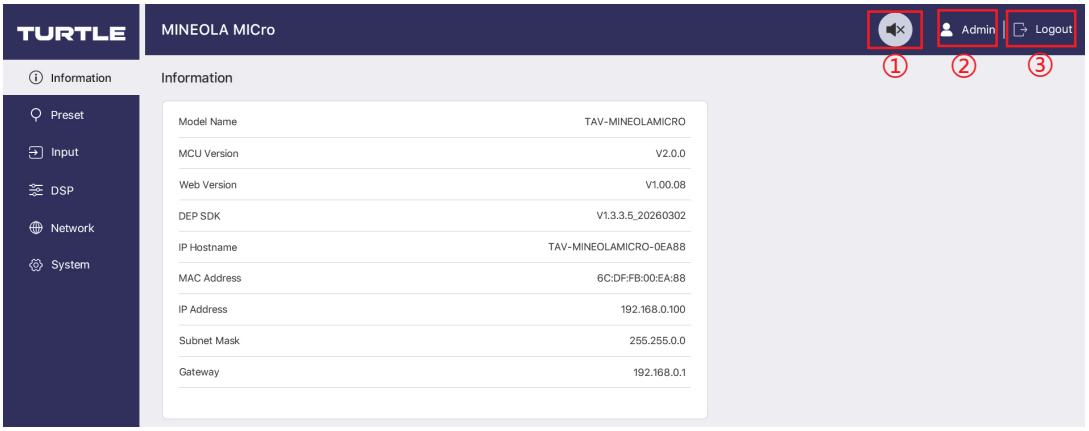


The default usernames and passwords are as below:

Username	Password
Admin	1234
User	1234

Step 6: Select the default username “Admin” and input the password “1234”, then click “LOGIN” to enter the main page of Dante® Web GUI.
You can enter each setting pages by clicking the corresponding tab.

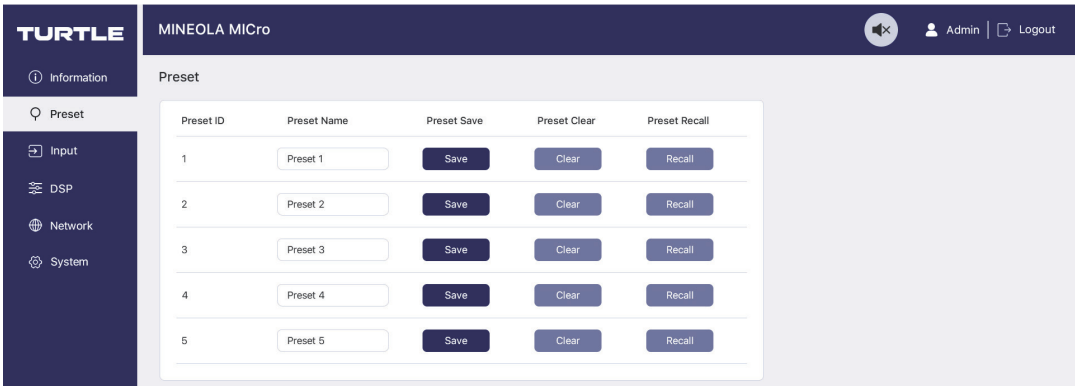
- **Information Page**



This page provides basic information about the product, such as Model Name, MCU Version, Web Version, DEP SDK, IP Hostname, Network configuration information.

In addition, the icons in the upper right corner of each page have following functions.
① Click the mute icon to mute/unmute the audio output.
② Display the current username (User or Admin).
③ Click the Logout icon to log out and return to the login interface.

- **Preset Page**



Up to 5 preset scenes can be set on the Preset page.
① **Preset Name:** You can name the preset scene (32 characters max).
② **Preset Save:** Click the Save button to save the scene.
③ **Preset Clear:** Click the Clear button to clear the saved scene.
④ **Preset Recall:** Click the Recall button to recall the saved scene.

- **Input Page**



Input Setting

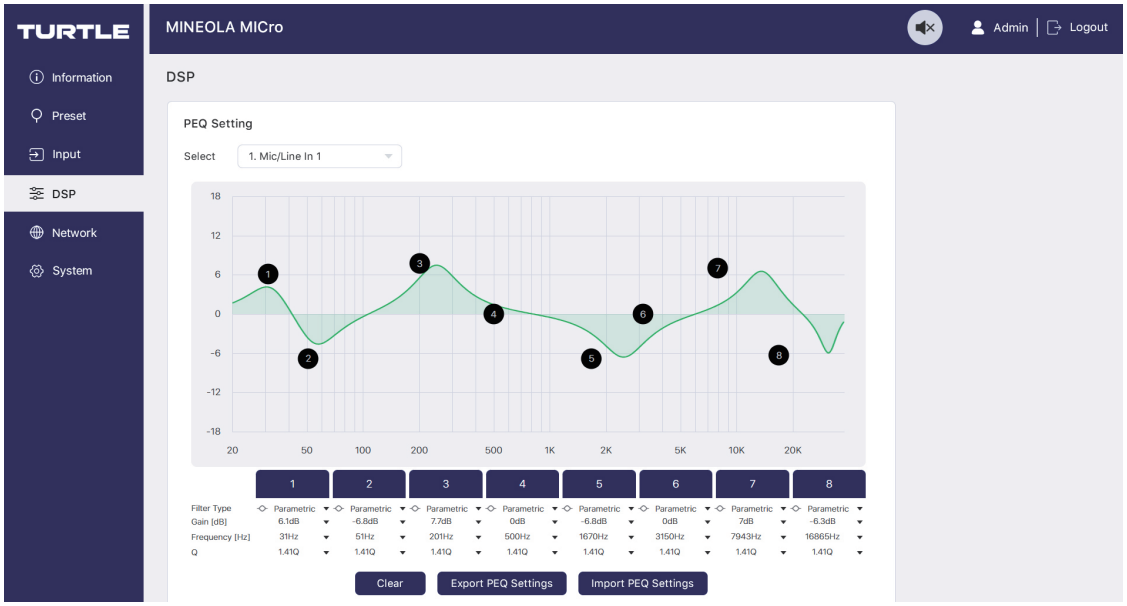
① **Mic/Line In 1/2:** Directly drag the slider of Mic/Line In 1/2 to set the volume, or click the mute icon to mute/unmute the audio. Clicking the Link button will link two input channels together, then the audio of both input channels can be set simultaneously.

② **VU Meter:** The VU meter displays the real-time audio input level.

③ **Sensitivity:** Click the drop-down list to select the sensitivity value (+24dBu, +4dBu, 0dBV, -18dBV, -35dBV).

④ **Phantom Power:** Click the Phantom Power switch to enable/disable the phantom power function. When enabled, the MIC/LINE CH 1/2 port of the product can supply power to the connected MIC.

- **DSP Page**



PEQ Setting

① **Select:** Click the drop-down list to select the input/output channel.

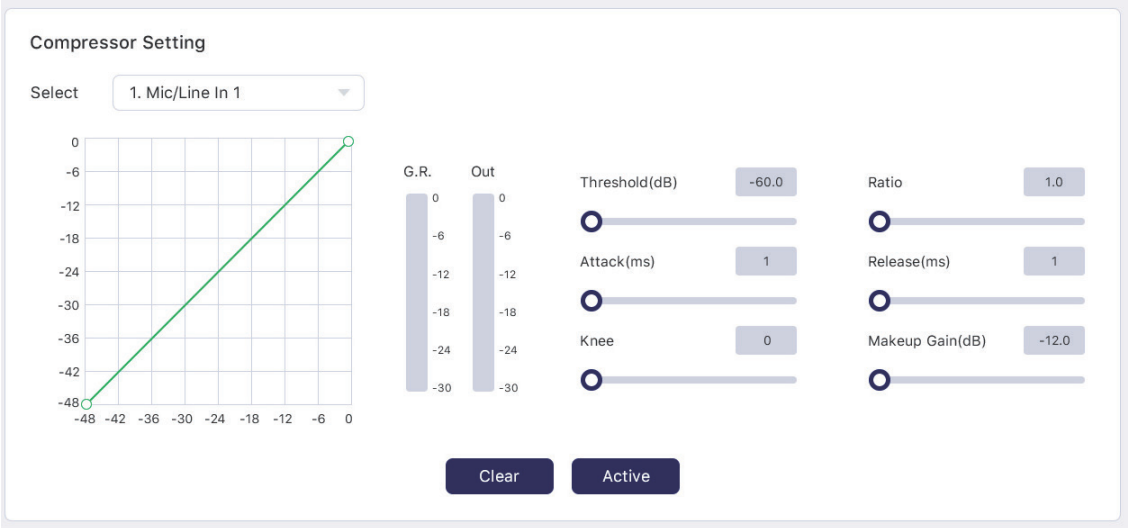
② **Frequency point (1~8):** Eight frequency points support drag control.

③ **1/2/3/4/5/6/7/8:** 8 band buttons of PEQ, used to enable or bypass the PEQ filter band. A blue button indicates that the corresponding filter band is enabled, and then you can set the parameters for it as follows.

Filter Type: Click the drop-down icon, then select the filter type (Parametric/Lowpass/Highpass/Low Shelf/High Shelf).
Gain [dB]: Click the drop-down icon, then drag the slider to set the gain value.
Frequency [Hz]: Click the drop-down icon, then drag the slider to set the frequency.
Q: Click the drop-down icon, then drag the slider to set the Q value.
④ **Clear:** Click the button to clear the current PEQ settings, and restore to default settings.
⑤ **Export PEQ Settings:** Click the button to export the current channel's PEQ configuration file and backup it to the computer.
⑥ **Import PEQ Settings:** Click the button to import the EQ configuration file saved before locally.



Expander Setting
① **Select:** Click the drop-down list to select the input/output channel.
② **Curve Graph:** The input and output amplitude curve graph of the audio. Based on the set threshold and ratio, it graphically displays the amplitude of the input and output. You can also manually drag on the curve graph to make settings, and the values of the threshold and ratio on the right side will change synchronously.
③ **G.R. (Gain Reduction):** Indicates the amount of gain attenuation of the input signal (in dB) in the Expander process.
④ **Threshold (dB):** The level that the signal below it will be compressed, with a range of [-60.0, 0.0]dB.
⑤ **Ratio:** The compression ratio for signals below threshold, with a scale of [1.0, 20.0]. If the ratio is 2.0, it means the signal below threshold will be reduced to ½ of the original.
⑥ **Attack (ms):** The duration of the input signal, over threshold, required to open the Expander, with a scale of [1, 1000]ms. Faster attack times let shorter transients open the Expander.
⑦ **Release (ms):** The amount of time required for the gain to return to the below-threshold value after the input signal falls below threshold, with a scale of [1, 2000]ms.
⑧ **Clear:** Click the button to clear the settings.
⑨ **Active:** Click the button to activate the Expander process.



Compressor Setting

① **Select:** Click the drop-down list to select the input/output channel.

② **Curve Graph:** The input and output amplitude curve graph of the audio. Based on the set threshold and ratio, it graphically displays the amplitude of the input and output. You can also manually drag on the curve graph to make settings, and the values of the threshold and ratio on the right side will change synchronously.

③ **G.R. (Gain Reduction):** Indicates the amount of gain attenuation of the input signal (in dB) in the Compressor process.11 / 15

④ **Out:** Meter indicates the output signal level after the Compressor process.

⑤ **Threshold (dB):** The level that the signal above it will be compressed, with a range of [-60.0, 0.0]dB.

⑥ **Ratio:** The compression ratio for signals below threshold, with a scale of [1.0, 20.0]. If the ratio is 2.0, it means the signal below threshold will be reduced to ½ of the original.

⑦ **Attack (ms):** The time required by the Compressor to begin the Compressor process once a signal is over threshold,with a scale of [1, 1000]ms.

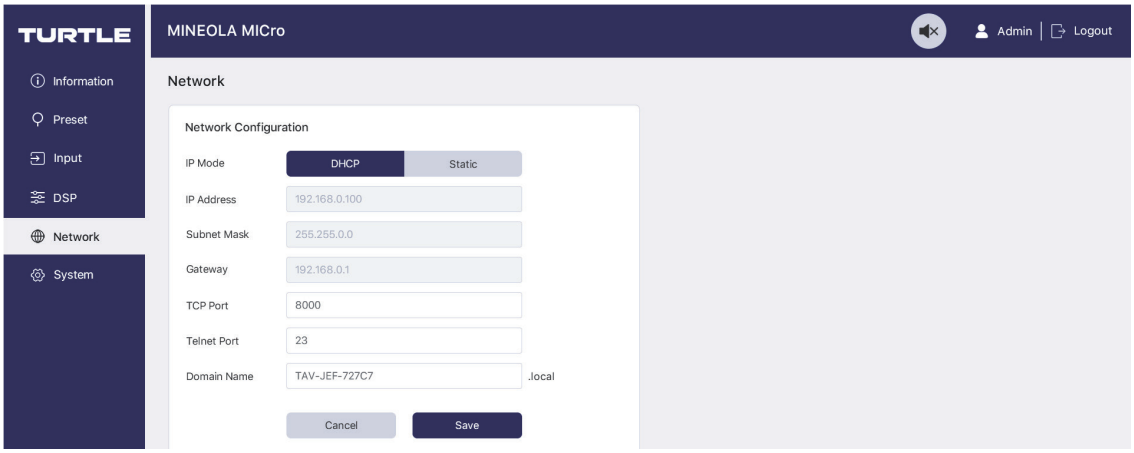
⑧ **Release (ms):** The time required by the Compressor to stop the Compressor process once a signal drops below threshold, with a scale of [1, 2000]ms.

⑨ **Knee:** The curve setting of the inflection point of the Compressor, with a scale of [0.0, 20.0]. 0 indicates a hard knee; other values indicate a soft knee.

⑩ **Makeup Gain(dB):** Drag the slider to manually adjust the output compensation gain after the Compressor process.

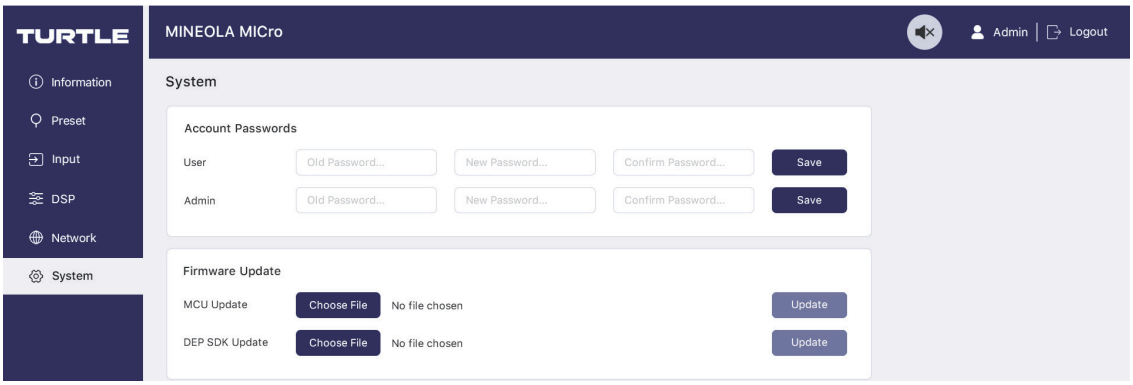
After setting, click the Active button to activate the Compressor process,cor click the Clear button to clear the settings.

- **Network Page**



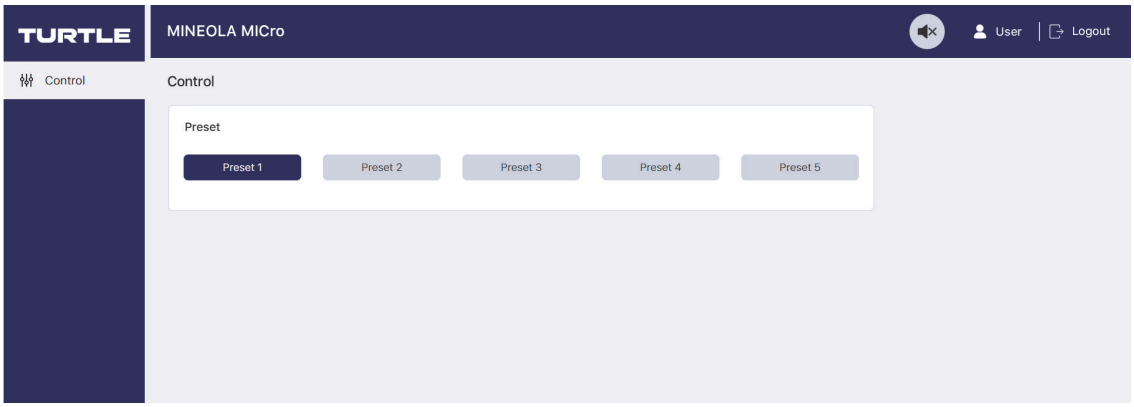
Network Configuration: Set the IP Mode (DHCP/Static) for the network.
In Static mode, you can manually set the IP Address, Subnet Mask and Gateway as required, then click “Save” to take effect. In DHCP mode, the system will search and fill the IP address with the one assigned by the router automatically.
In addition, you can set the TCP Port, Telnet Port and Domain Name.
Note: The Domain Name displayed as the IP Hostname (for example: “TAV-JEF-727C7.local”) can be used to log in to the Dante® Web GUI. The Domain Name “TAV-JEF-XXXXX.local” is variable for different machines, and can be modified (32 characters max).
After setting up, click “Save” to take effect, or you can click “Cancel” to cancel the settings.

- **System Page**



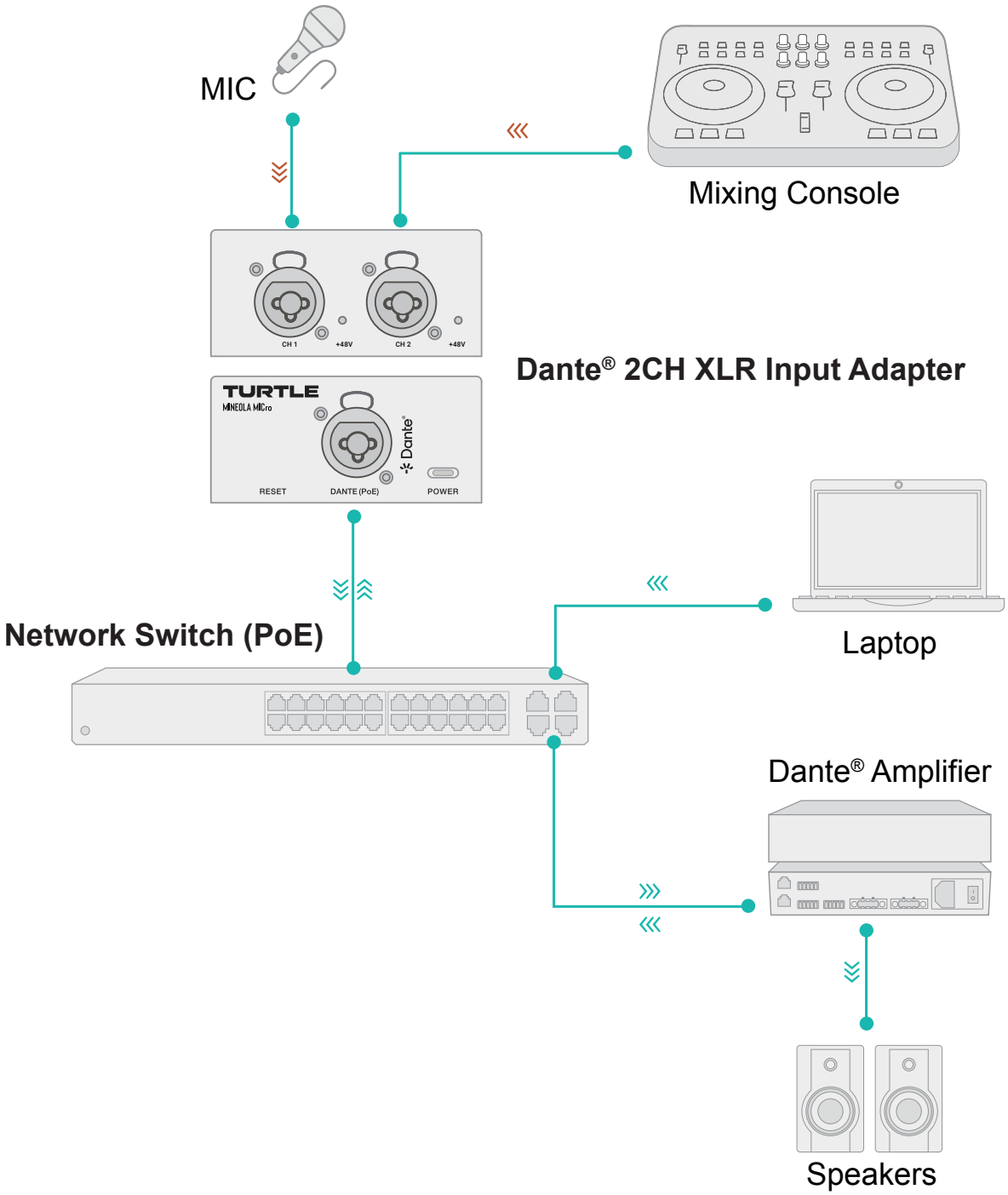
Account Passwords: You can modify the login password for User and Admin. After setting up, click “Save” to take effect.
Firmware Update: You can update the firmware. Click “Choose File” to select the update file, then click “Update” to start update. When the progress bar reaches 100%, the update is complete.
In the Login interface, select the username “User” and input the password “1234”, then click the “LOGIN” button to enter the Control page.

- **Control Page**



You can recall the preset application scenes on the Control page.

7. APPLICATION EXAMPLE



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Thank you for choosing

TURTLE