



AES67 2CH Bi-Directional USB Converter

AC22USB-AES67



User Manual

Thank you for purchasing this product.

Please read this manual carefully before use to ensure optimal performance and safety.

Please retain this manual for future reference.

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- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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What's in the box?

AC22USB-AES67	x 1
USB Cable (C to C) 20cm with USB-A adaptor	x 1
Hook & Loop Tape	x 2
Thank you Card	x 1

Notice

The contents of this manual are subject to change without prior notice as part of continuous product improvement. All updates will be incorporated into subsequent versions of this documentation, ensuring users have access to the most current information regarding product features and procedures.

Overview

Taska **AC22USB-AES67** is a AES67 2CH Bi-Directional USB Converter. It is designed to bridge seamless audio connections between AES67-standard networks and personal computing devices. It supports bidirectional 2×2 channel audio transmission, enabling both audio playback/capture via USB connections to computers or mobile devices and low-latency, high-fidelity audio interaction with other devices on the AES67 network. With dual power options (PoE or USB) and plug-and-play operation, it significantly simplifies the integration of personal devices into professional audio networks, making it an ideal solution for music production, live streaming, and conference systems.

Features

- Interconverts between two-channel USB audio and AES67 2CH digital audio
- USB audio device class 1.0/2.0-compatible
- USB audio output up to 192KHz@24bit, USB audio input up to 96KHz@24bit
- AES67 audio sampling rate supports 48/96KHz@24bit
- Supports local USB-C port power supply and PoE function (IEEE802.3af)
- Compact design for easy and flexible installation

Panel Description



No.	Name	Function Description
1	AES67 network port	AES67 digital audio input/output port, connected to the Network Switch through RJ45 line, supporting PD power supply. Yellow indicator is on when the port is connected to 10M network. Yellow indicator flashes if there is data transmission. Green indicator is on when the port is connected to 100M network. Green indicator flashes if there is data transmission.
2	POWER port	USB-C 5V Power input port
3	USB-C LED	Green indicator is on when there is power input at the USB-C port.
4	USB-C port	USB-C port with following two functions: ① USB-C audio signal input/output port, connected to USB-C audio source/playback device. ② USB 5V/500mA power input port.

Operation Guide

Getting to start

Since there is no Web UI for the **AC22USB-AES67**, your configuration workflow for its AES67 functions is entirely dependent on external software. The process will follow these key steps:

- ① **Power Supply:** Provide power to the **AC22USB-AES67** via USB or PoE (Power over Ethernet).
- ② **Connect the Device:** Connect the **AC22USB-AES67** to your network (its IP mode is typically set to **DHCP** by default for easy discovery).
- ③ **Install the Software:** You must download and install the **AES67Link** software from the manufacturer's official website onto a computer on the same network.
- ④ **Access via AES67Link:** Open the **AES67Link** application. It should discover the **AC22USB-AES67** on the network, allowing you to configure its AES67 audio streams, manage subscriptions, and control its audio functions directly from the software interface.

AES67Link Installation

① Launch the Installer

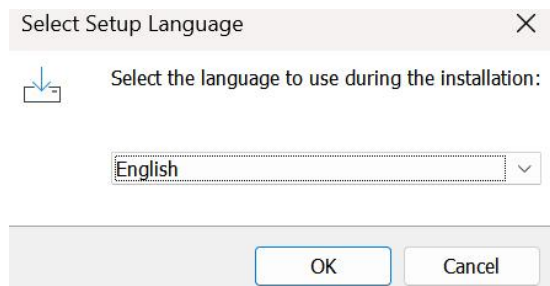
Locate the downloaded **AES67Link** installation package on your computer. Double-click the file to begin the installation process.

 AES67Link_Gui_setup_X.X.X.X

Note: X.X.X.X is the version number.

② Select Installation Language

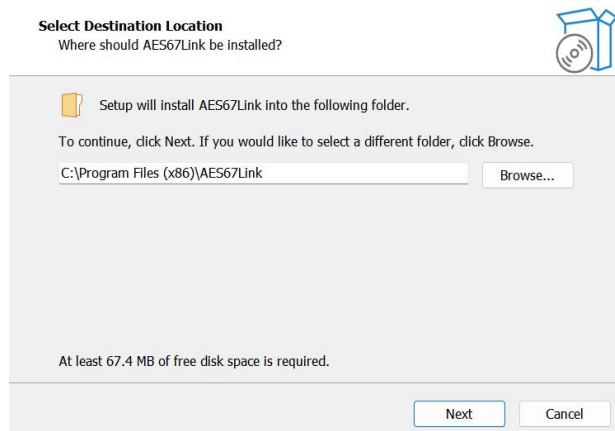
At the start of the setup wizard, you will be prompted to choose an installation language. The software supports both **Simplified Chinese** and **English**.



Note: If your antivirus or security software displays a warning, this is typically a false positive. To proceed, select options such as **"Trust"**, **"Allow"**, or **"Run anyway"** within your security software's prompt.

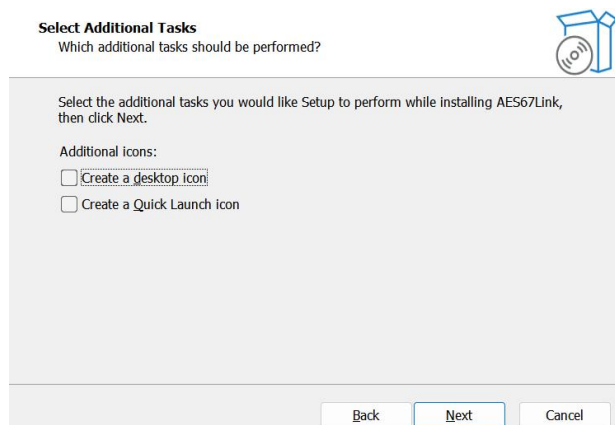
③ Choose Installation Path

The installer will allow you to select a destination folder for the software. You may accept the default path or specify a custom one.



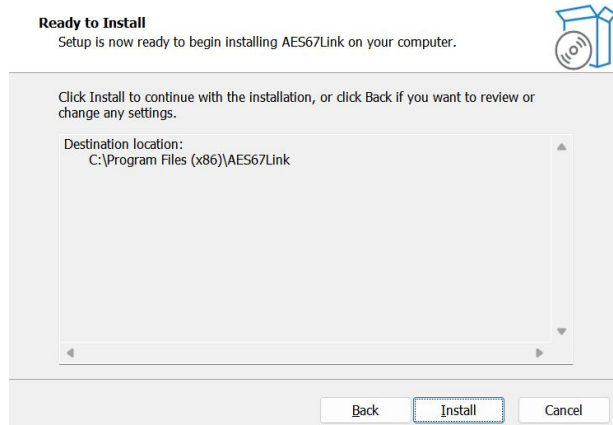
④ Create Shortcuts

You will be asked whether to create desktop and/or start menu shortcuts. Check the boxes according to your preference.



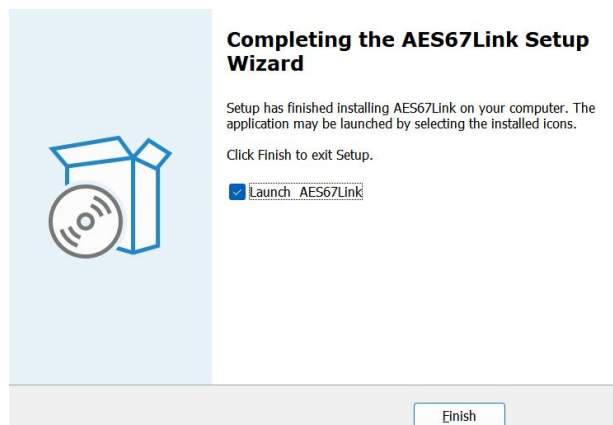
⑤ Complete the Installation

Review your selections and keep clicking "**Next**" to proceed through the remaining screens. Finally, click "**Install**" and wait for the progress bar to complete.



⑥ Launch the Application (Optional)

Upon successful installation, a final screen will typically appear with an option such as "**Launch AES67Link**". Check this box if you wish to start the software immediately, then click "**Finish**".



Using AES67Link

Device Discovery

The **AES67Link** software communicates with devices through the local area network (LAN). The initial setup requires selecting the correct network interface on your computer.

Before starting the discovery process, ensure the following conditions are met:

- The **AC22USB-AES67** device is powered on.
- The device is connected to a local area network (LAN) via an Ethernet cable.
- The computer running the **AES67Link** software is connected to **the same LAN**.
- Ensure any firewall software on the computer is configured to allow the **AES67Link** application to communicate over the network (ports may need to be open).

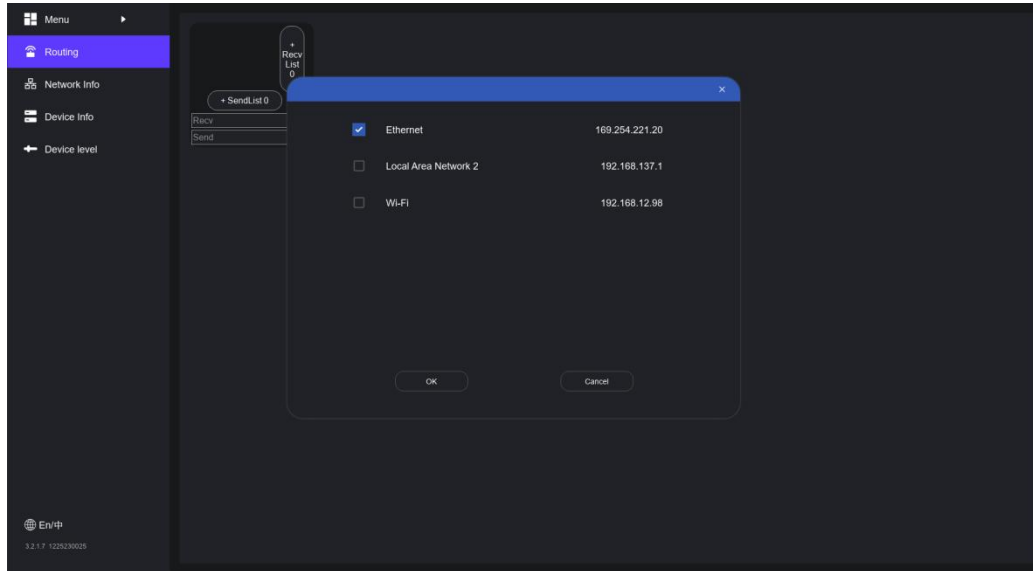
Launch the Software

Open the **AES67Link** application.

Select Network Adapter

Upon startup, if your computer has **multiple active network adapters** (e.g., Ethernet, Wi-Fi, VPN), a dialog box will prompt you to **manually specify which network adapter to use** for discovery. Choose the adapter that corresponds to the LAN where your device is connected.

Note: If the computer has **only one active network connection**, the software will **select it by default** and this step may not appear.

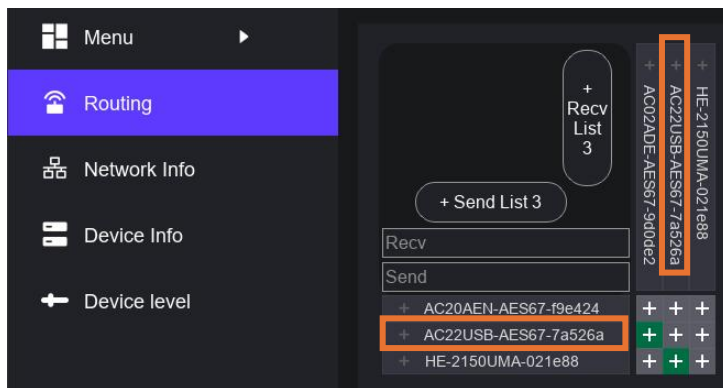


Automatic Discovery

After the network interface is selected, the software automatically scans the corresponding LAN for devices. Please wait for approximately **5 to 10 seconds** for the discovery process to complete.

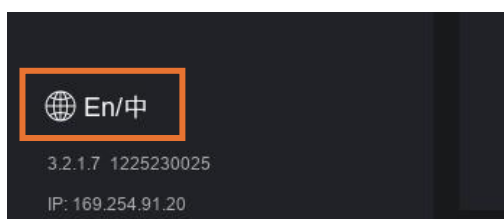
View Device List

Successfully discovered devices will be listed in the main interface. Your **AC22USB-AES67** should appear here.



Language Selection

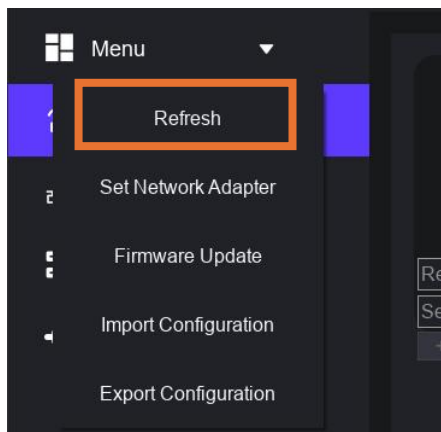
A language icon in the **lower-left corner** of the software window toggles the interface between **English** and **Simplified Chinese**. Click it to switch language. The change takes effect immediately.



Menu

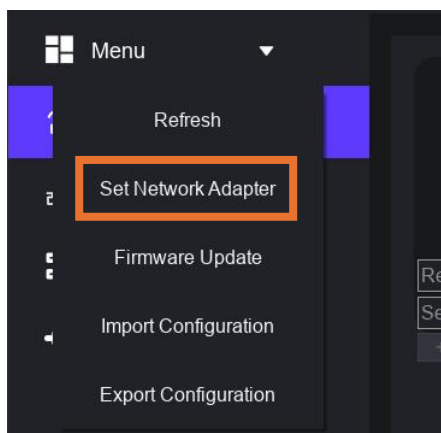
Refresh

To manually update the list of discovered devices, click **Menu > Refresh**.



Set Network Adapter

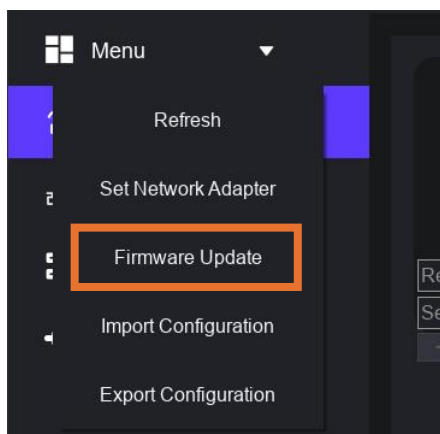
If your computer's network connection changes, manually re-select the correct network adapter for device discovery via **Menu > Set Network Adapter**.



Firmware Update

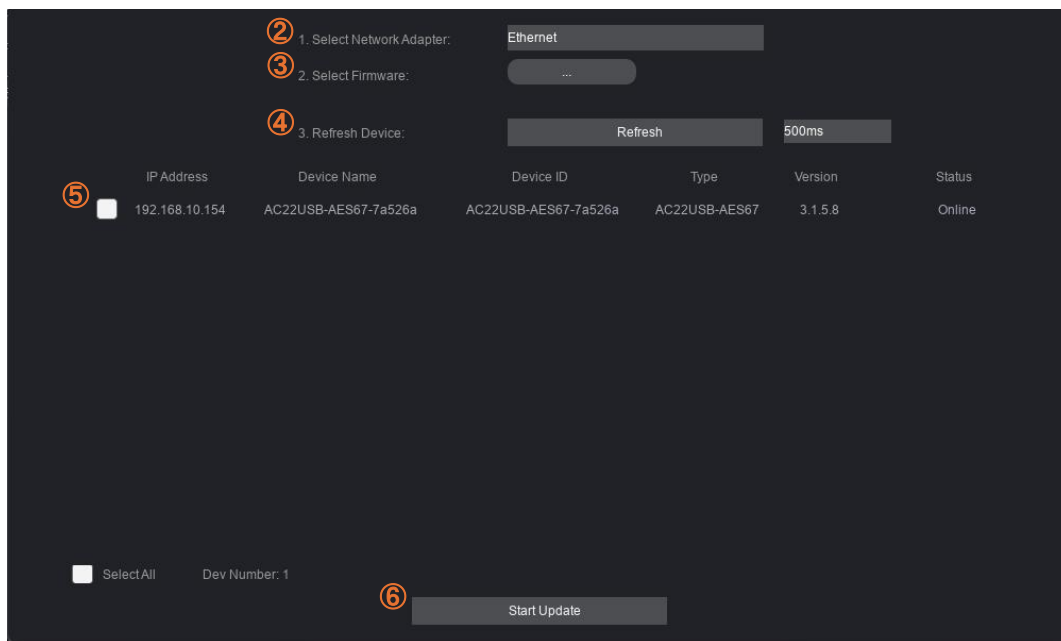
To upgrade the firmware of your device, follow these steps:

- ① **Open Upgrade Interface:** In the software menu, click **Menu > Firmware Update**.



- ② **Select Network Adapter:** If your computer has only one network card, it is selected by default.
If you have multiple network cards, select the one connected to the same Local Area Network (LAN) as your device. Devices on a different network will not be found.
- ③ **Load Firmware File:** Click to open a file browser dialog. Here, you must locate and choose the correct firmware upgrade package for your device model.
Caution: Select the original compressed file; **do not unzip** the update package before this step.
- ④ **Discover Devices:** Click the **"Refresh"** button to initiate a network scan. The software will search the selected network and list all discoverable devices. If any expected devices are missing from the initial list, click the **"Refresh"** button a few more times to ensure a complete scan.
- ⑤ **Select Target Device:** Identify the specific device(s) you wish to update from the list of discovered units. Distinguish between devices by verifying their **IP Address**, **Device Name**, and unique **Device ID**. Once identified, select the target device(s) from the list.
- ⑥ **Start the Update:** Click the **"Start Update"** button to begin uploading and installing the new firmware. Closely monitor the progress indicators in the **"Status"** column.

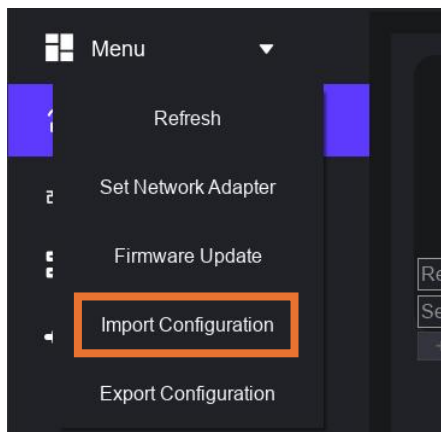
Caution: Do not close the software or power off the device during the update.



Once the status shows completion, the device will automatically restart. The update is now finished.

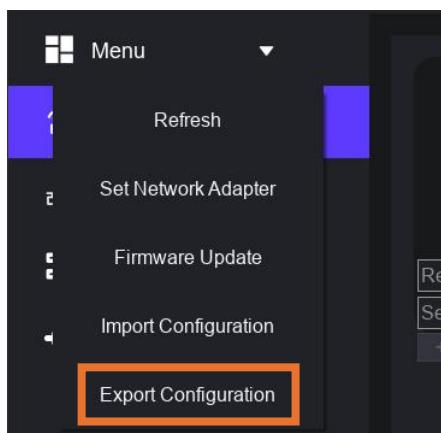
Import Configuration

To load a saved configuration, click **Menu** → **Import Configuration** to open a dialog, browse for a previously saved configuration file, and apply its settings to the device.

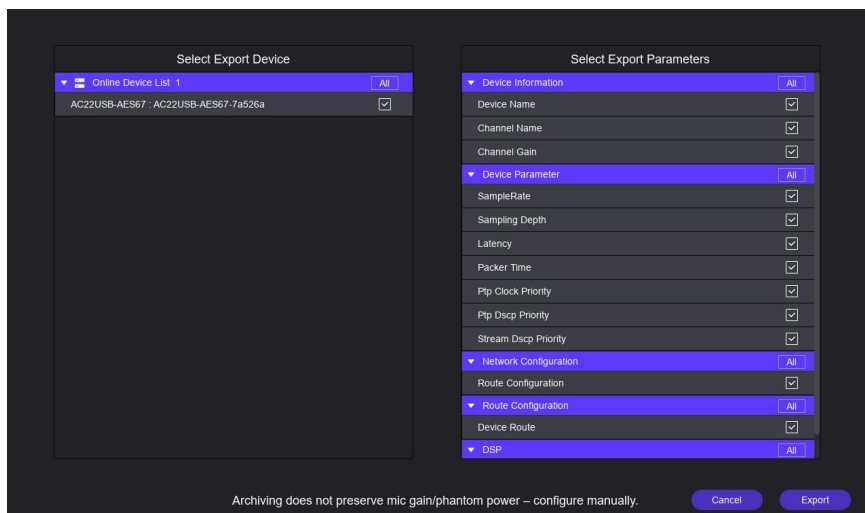


Export Configuration

To back up the current device settings, click **Menu** → **Export Configuration** to save all current device settings to a configuration file on your computer.



You can select specific devices and their individual parameters for backup. After selecting all desired items from the list, click the **“Export”** button. A dialog will appear, prompting you to choose a storage path and file name for the backup file.



Routing

The routing interface is dedicated to configuring the audio stream paths between network channels. All channels displayed in this interface represent network input and output streams.

The interface is divided into three functional areas:

- ① **RecvList:** This panel lists all receiving devices discovered on the network. Expanding a device entry reveals its available **network receiving channels**.
- ② **SendList:** This panel lists all transmitting devices discovered on the network. Expanding a device entry reveals its available **network sending channels**.
- ③ **Routing Matrix:** This is the core routing grid. Each checkbox at the intersection of a sending channel and a receiving channel represents a potential audio connection.

Checked: A signal route is active. The audio from the selected sending channel will be transmitted to the corresponding receiving channel.

Unchecked: No signal is routed between those specific channels.



Network Info

Click the "Network Info" column on the left side of the software interface to view the following detail's for the selected device.

Note: The information on this page refreshes automatically every 5 to 10 seconds.

- ① **Device Name:** The display name of the device. This can be modified in the "Device Config" section.
- ② **Device Type:** Indicates the model or class of the device. Different types correspond to different product functions and channel counts.
- ③ **Device ID:** A unique, unchangeable identifier for the device. This value cannot be modified or duplicated.
- ④ **IP Address:** The current IP address of the device on the network.
- ⑤ **Sync Status:** Indicates whether the device is locked to the network clock. After connecting to the network, a device will automatically attempt to synchronize with the master clock, a process that typically completes within about 1 minute.
- ⑥ **PPM (Parts Per Million):** A measure of clock alignment accuracy between master and slave devices. The value should generally remain within a range of ± 70 ppm for stable operation.
- ⑦ **Master/Slave:** Shows the device's role based on the PTP v2 protocol. There is only one active master device in a LAN. Devices from other manufacturers that also use PTP may participate in the master clock election.

- ⑧ **Clock Priority:** A value from 0 to 255 used in master clock selection. A smaller number indicates a higher priority. The system automatically elects the device with the highest priority (lowest number) as the master. This value can be manually configured to force a device to become the master, except for virtual sound cards and certain special devices which display "NA" and cannot be modified.
- ⑨ **Recv/Send Bandwidth:** Displays the **current incoming/outgoing network bandwidth utilization** for the selected device. This value represents the total data rate of all audio streams being received/transmitted by this device from the network.

Menu	Device Name	Device Type	Device ID	IP Address	Sync Status	PPM	Master/Slave	Clock Priority	Recv/Send Bandwidth
Routing	AC02ADE-AES67-9d0de2	AC02ADE-AES67	AC02ADE-AES67-9d0de2	192.168.10.152	locked	-177	Slave	128	3.4/0.0 Mbps
Network Info	AC20AEN-AES67-f9e424	AC20AEN-AES67	AC20AEN-AES67-f9e424	192.168.10.153	locked	-177	Slave	128	0.0/0.0 Mbps
Device Info	AC22USB-AES67-7a526a	AC22USB-AES67	AC22USB-AES67-7a526a	192.168.10.154	locked	-171	Master	128	5.0/3.4 Mbps
Device Level	HE-2150UMA-021e88	HE-2150UMA	HE-2150UMA-021e88	192.168.10.90	locked	-179	Slave	128	0.0/5.0 Mbps

Device Info

Click the "Device Info" tab or column on the left side of the software interface to view the following operational parameters for all connected devices.

- ① **Device Name:** The display name of the device. This can be modified in the "Device Config" section.
- ② **Device Type:** Indicates the model or class of the device. Different types correspond to different product functions and channel counts.
- ③ **Device ID:** A unique, unchangeable identifier for the device. This value cannot be modified or duplicated.
- ④ **Sampling Rate:** Displays the current audio sampling rate of the device. **Consistent sampling rates are required for audio transmission between devices.** This parameter can be modified in the "Device Config" section.
- ⑤ **Packet Time:** A configurable parameter for the size/timing of network audio data packets, which affects latency and network efficiency. It can be modified in the "Device Config" section.
- ⑥ **Latency:** A configurable parameter that sets the target latency for audio transmission over the network. It can be modified in the "Device Config" section.
- ⑦ **Version:** Displays the firmware version number of the physical device. For a virtual sound card, its version must be checked within its own dedicated software; the firmware field on this page will show "NA".
- ⑧ **Temperature:** Monitors the temperature of the device's core component. During normal operation, the temperature should remain **below 75°C**. If it exceeds **80°C**, you should investigate the cooling system and ventilation.
- ⑨ **Elapsed Time:** Displays the continuous uptime of the device since its last power cycle.

The list of devices can be sorted by this value in ascending or descending order.

Menu	Device Name	Device Type	Device ID	Sampling Rate	Packet Time	Latency	Version	Temperature	Elapsed Time Default
Routing	AC02ADE-AES67-9d0de2	AC02ADE-AES67	AC02ADE-AES67-9d0de2	48000	1.00ms	5ms	3.1.5.8	58.6°C	1:16:30
Network Info	AC20AEN-AES67-f9e424	AC20AEN-AES67	AC20AEN-AES67-f9e424	48000	1.00ms	5ms	3.1.5.8	61.7°C	0:5:28
Device Info	AC22USB-AES67-7a526a	AC22USB-AES67	AC22USB-AES67-7a526a	48000	1.00ms	5ms	3.1.5.8	61.1°C	1:35:20
Device Level	HE-2150UMA-021e88	HE-2150UMA	HE-2150UMA-021e88	48000	0.25ms	5ms	3.2.0.7	67.7°C	0:5:32

Device Level

Click the "Device Level" tab or column on the left side of the software interface to view real-time audio level meters for the selected device. This display is organized by the following signal types:

- ① **Device Name:** Same as the definition in "Network Info" and "Device Info" sections.
- ② **Analog Input:** Displays the signal level for the device's local analog input channels.
- ③ **Network Input:** Displays the signal level for the network audio input streams received by the device.

④ **Analog Output:** Displays the signal level for the device's local analog output channels.

⑤ **Network Output:** Displays the signal level for the network audio output streams transmitted by the device.

Each of the four signal types above can support displaying levels for up to 32 channels. If a device has fewer channels, the actual number is shown.

Levels are displayed as **dBFS** values when a signal is present. A "-" (dash) is displayed when the signal level is below the detection threshold, indicating no active signal. Different channel values are separated by a "/" (slash).

Channels are arranged in a grid with a maximum of **4 rows** and **8 columns**:

Row 1: Channels 1-8

Row 2: Channels 9-16

Row 3: Channels 17-24

Row 4: Channels 25-32

Menu	Device Name	Analog In(dBFS)	Network In(dBFS)	Analog Out(dBFS)	Network Out(dBFS)
Routing	AC02ADE-AES67-9d0de2		-32/-23	-32/-23	
Network Info	AC20AEN-AES67-f9e424	-			-
Device Info	AC22USB-AES67-7a526a	-36/-25	-42/-42	-42/-30	-36/-25
Device level	HE-2150UMA-021e88	-33/-36	++++++ ++++++		-34/-36/++++

Device Details

You can access the detailed configuration page for any device from several main interfaces. In the **"Routing"**, **"Network Info"**, **"Device Info"**, or **"Device Level"** pages, simply **double-click the device's name or its entire row**. This action will open the **"Device Details"** pop-up window.

Device Config

Device Information

- ① **Device Name:** The editable display name for the device. It should not exceed **32 characters**. By default, it is initially the same as the Device ID.
- ② **Device ID:** The unique, fixed identifier for the device. **This field cannot be modified.**
- ③ **Device Type:** Indicates the model or type of the device. **This field cannot be modified.**
- ④ **Sample Rate:** The audio sampling rate. Available options depend on the device type, and for some types, this value can be modified here.
- ⑤ **Latency:** The network delay parameter (in milliseconds). A smaller value results in lower latency but places higher demands on the sending device and network stability.
 - 1ms:** Use for the lowest possible latency, requiring an excellent sending device and network.
 - 2ms:** A low-latency option that provides a good balance between performance and network tolerance.
 - 5ms:** The **default** setting, offering a robust balance of performance and compatibility.
 - 6ms:** Provides the best compatibility with varied sending devices and network conditions.

Note: If the sending device is a virtual sound card, do not set this to 1ms, as it depends on the computer's system timing. Use 2ms, 5ms or 6ms instead.
- ⑥ **Packet Time:** The size/timing parameter for network audio data packets (in milliseconds). **The configured Latency must be no less than 4 times the Packet Time.**
 - Example 1: If Packet Time = 0.25 ms, then Latency can be 1 ms or 2 ms, etc. (≥ 1 ms).
 - Example 2: If Packet Time = 1 ms, then Latency must be 4 ms or greater (e.g., 5 ms, 6 ms), and cannot be set to 1 ms or 2 ms.
- ⑦ **Sample Bit Depth:** The audio bit depth, typically selectable from 16-bit, 24-bit(Default), or 32-bit.

⑧ **Device Lock:** This section configures access permissions for different functional modules of the device.

Route (Audio Routing): Controls permissions for the audio routing matrix.

Normal: Users can view and modify all routing connections.

ReadOnly: Users can view the current routing configuration but cannot make any changes.

Dev (Device Configuration): Controls permissions for core device parameters (e.g., Name, IP, Sample Rate).

Normal: Users can view and modify all device settings.

ReadOnly: Users can view device settings but cannot modify them.

Invisible: The entire device configuration section is hidden from the user's view.

DSP (Audio Processing): Controls permissions for digital signal processing settings and details.

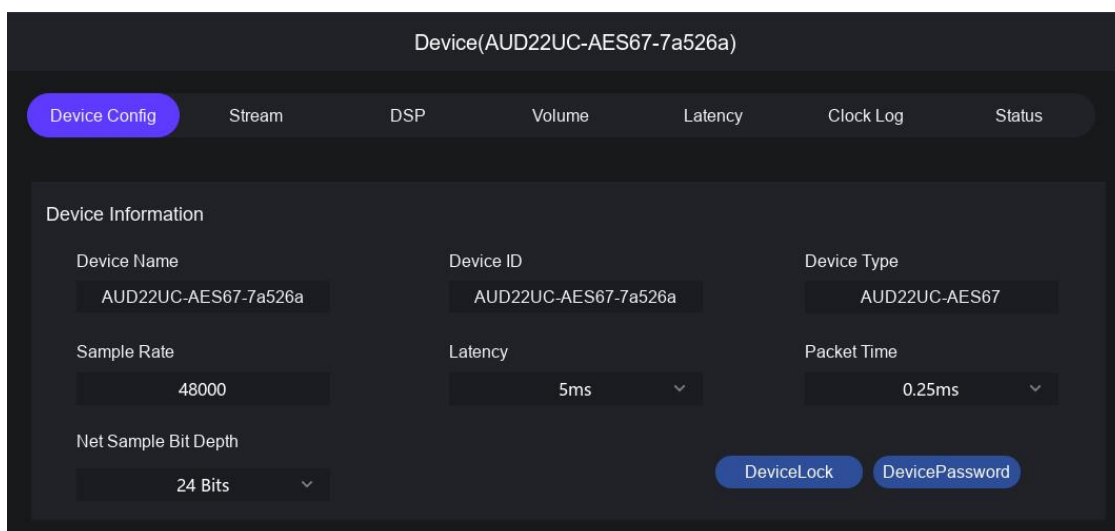
Normal: Users have full access to view and modify all DSP parameters.

ReadOnly: Users can view main DSP settings but cannot modify them.

DetailReadOnly: Users can view detail DSP function block setting, but cannot modify them.

Invisible: All DSP-related settings and status information are hidden from the user.

⑨ **Device Password:** User can set or modify the password.



Device Address

These settings configure the network identity and addressing method of the device.

① **IP Address:** Displays the current IP address of the device.

② **DHCP Settings:** Defines how the device obtains its IP address. It supports two modes:

Automatic IP (DHCP Client): The device automatically requests an IP address from a DHCP server on the network.

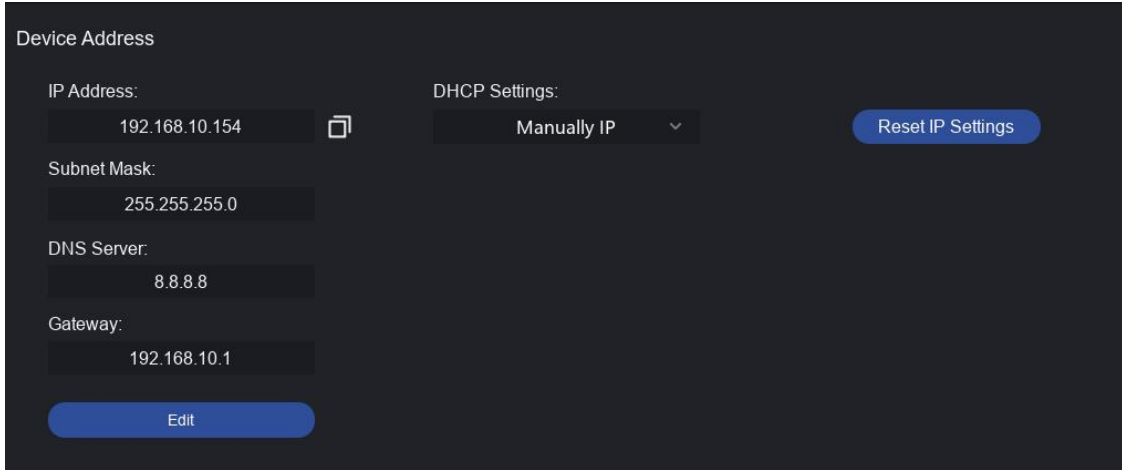
Manually IP (Static IP): You manually assign a fixed IP address to the device.

Procedure for Manually IP (Static IP) Configuration:

- Click the **"Edit"** button to enable editing of the network fields.
- Enter the specified values into the corresponding input boxes for:
 - IP Address
 - Subnet Mask
 - DNS Server (if applicable)
 - Gateway
- Click the **"Apply"** button to save the new settings.

Reset IP Settings

If incorrect manual IP settings make the device unreachable, click "**Reset IP Settings**". This forces the device to switch back to **Automatic IP** (DHCP) mode so it can be rediscovered on the network.



Stream

Unicast Stream

This page displays the real-time records and status of the device's unicast audio stream reception, transmission, and routing. The data is updated each time the "Device Details" page is opened.

① rxChArr(rtpChId) - Channel Routing Record

This column shows the routing assignment for each of the device's **receiving (input) channels**.

rtpChArr: The device's local receiving channel number, starting from 0 (which represents physical/logical Channel 1).

rtpChId: The index number pointing to a **Routing Record** in the ② rtpChArr(srcDevId, srcChId) list below. This defines the source of the audio for this channel.

Examples:

0(-1): Receiving Channel 1 has no **Routing record** (is not receiving any network stream).

4(4): Receiving Channel 5 is routed to receive audio from the source defined in rtpChArr at **Routing record 4**.

Note: Routing records are auto-generated/deleted when you check/uncheck boxes in the main Routing interface. Manual maintenance is generally not required. To delete a persistent record (e.g., if a source device is offline), **double-click its entry in this column**.

② rtpChArr(srcDevId, srcChId) - Routing Record List

This list defines all available audio **Routing records** that can be routed to.

srcDevId: The unique **Device ID** of the sending device.

srcChId: The **output channel index** on that sending device, starting from 0 (Channel 1).

③ ucastArrRx(active, srcIp) - Unicast streams being received

Lists the **unicast streams currently being received** by this device.

active: Status indicator (1=Active, 0=Inactive).

srcIp: The IP address of the device sending this unicast stream.

④ mcastArrRx(active, srcIp) - Multicast streams being received

Lists the **multicast streams currently being received** by this device.

active: Status indicator (1=Active, 0=Inactive).

srcIp: The multicast group IP address for this stream.

⑤ ucastArrTx(dstIp) - Unicast streams being transmitted

Lists the **unicast streams currently being transmitted** by this device to specific receivers.

dstIp: The IP address of the target receiving device.

⑥ mcastArrTx(dstIp, name) - Multicast streams being transmitted

Lists the **multicast streams currently being transmitted** by this device.

dstIp: The multicast group IP address.

name: The descriptive name assigned to this multicast stream.

Device(AC22USB-AES67-7a526a)

Device Config	Stream	DSP	Volume	Latency	Clock Log	Status
Unicast Stream Multicast Stream						
rxChArr(rtpChId)	rtpChArr(srcDevId,srcChId)	ucastArrRx(active,srcIp)	mcastArrRx(active,srcIp)	ucastArrTx(dstIp)	mcastArrTx(dstIp,name)	
0(1)	0(HE-2150UMA-021e88, 1)	0(1, 192.168.10.90)	0(0, 0.0.0.0)	0(192.168.10.152)	0(0.0.0.0,)	
1(0)	1(HE-2150UMA-021e88, 0)	1(0, 0.0.0.0)	1(0, 0.0.0.0)	1(0.0.0.0)	1(0.0.0.0,)	
				2(0.0.0.0)		
				3(0.0.0.0)		

Multicast Stream

This page allows you to create, view, and delete multicast audio streams transmitted by the device. The device supports creating a **maximum of 4 multicast streams** simultaneously.

Managing Created Streams

The table lists all currently active multicast streams.

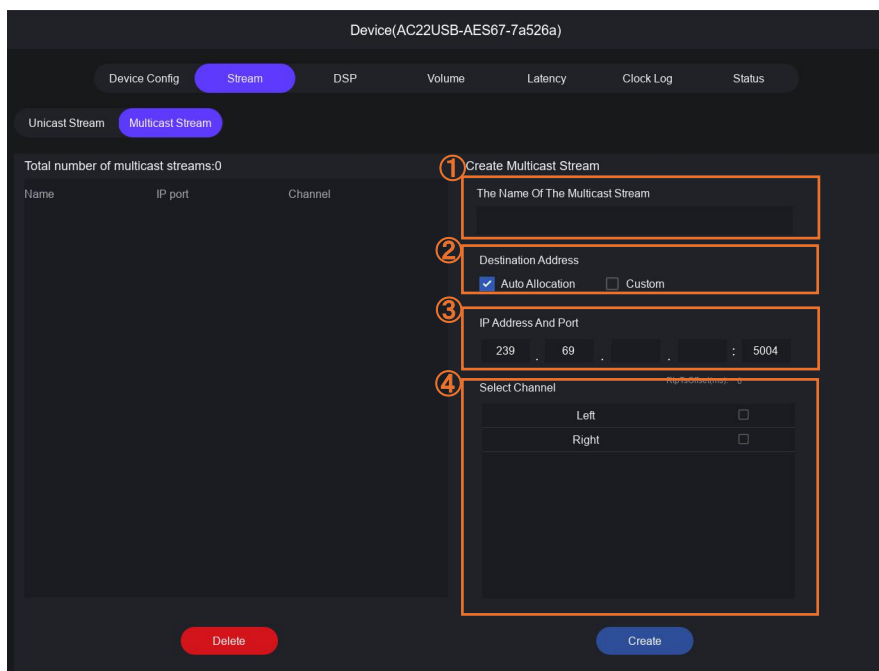
View: You can see the details (Name, IP:Port, Channels) of each created stream.

Delete: To remove a multicast stream, **select its entry in the list** and then use the **"Delete"** button. This action stops the transmission immediately.

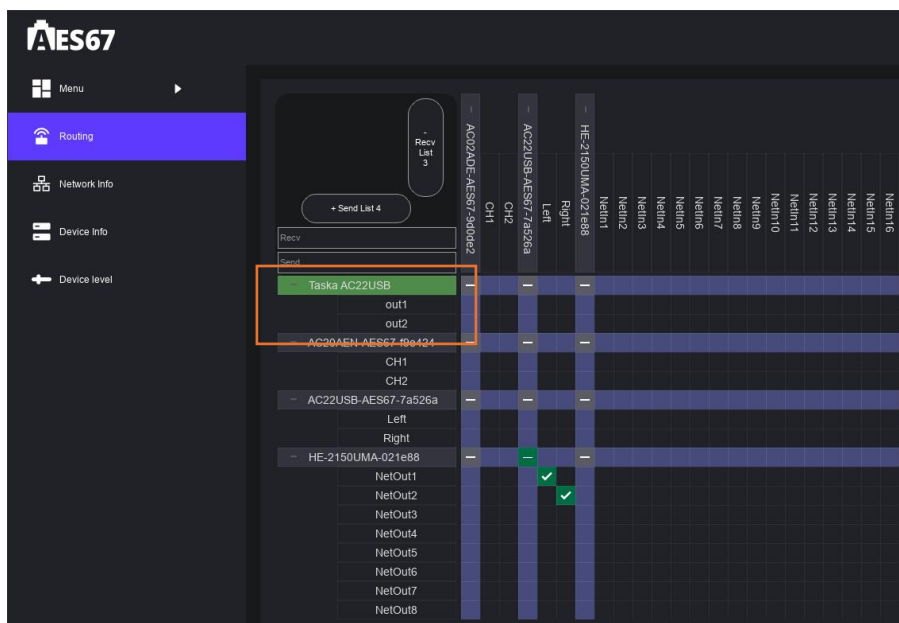
Creating a Multicast Stream

When creating a new stream, configure the following parameters:

- ① **Multicast Stream Name**: A descriptive name for the stream for easy identification. The name should not exceed 32 characters.
- ② **Destination Address**: For the IP address, you can choose **"Auto Allocation"** to let the system assign one automatically or select **"Custom"** to manually specify an IP address.
- ③ **IP Address and Port**: If **"Custom"** is selected, **you must enter a valid multicast IP address within the range of 224.0.0.0 to 239.255.255.255.**
Note: The UDP port is fixed at 5004 and cannot be modified.
- ④ **Select Channel**: Choose which of the device's sending (output) channels to include in this multicast stream. All selected channels will be transmitted via the defined multicast address.



After configuring all parameters, click the **"Create"** button to establish the multicast stream. The created stream appears in the Routing Matrix.



Volume

This page provides a focused view for monitoring and controlling the level, mute, and phase of individual channels or groups.

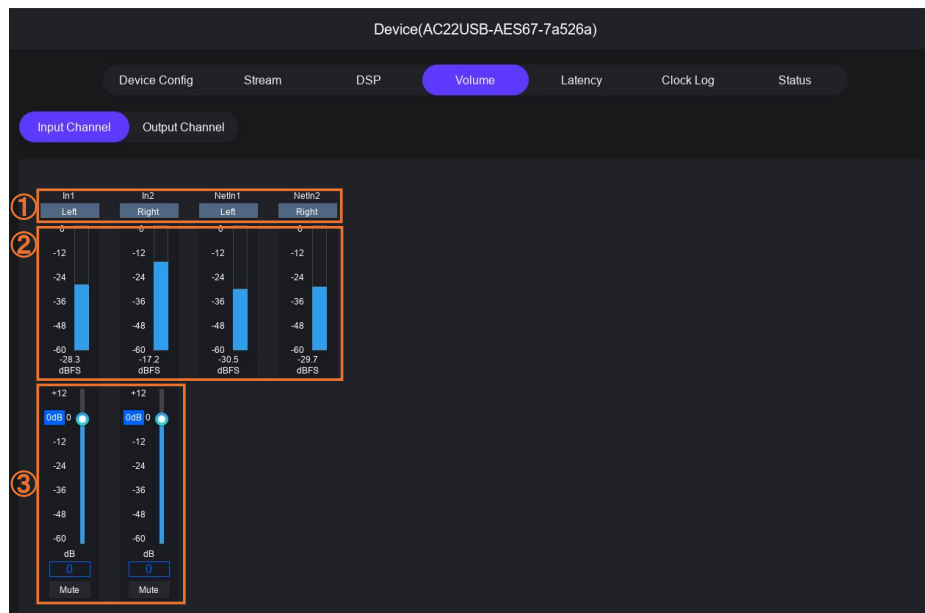
Input/Output Channel

- ① **Channel Name:** Displays the name of channels.
- ② **Level Meter:** Refreshes in real-time to show the audio level of the selected channel.
- ③ **Channel Controls:** Provides direct access to key channel controls. They are available **only for analog audio channels**.

These functions are **not applicable to network audio channels**

- **Gain:** Adjust the level.
- **Mute:** Toggle mute on/off.

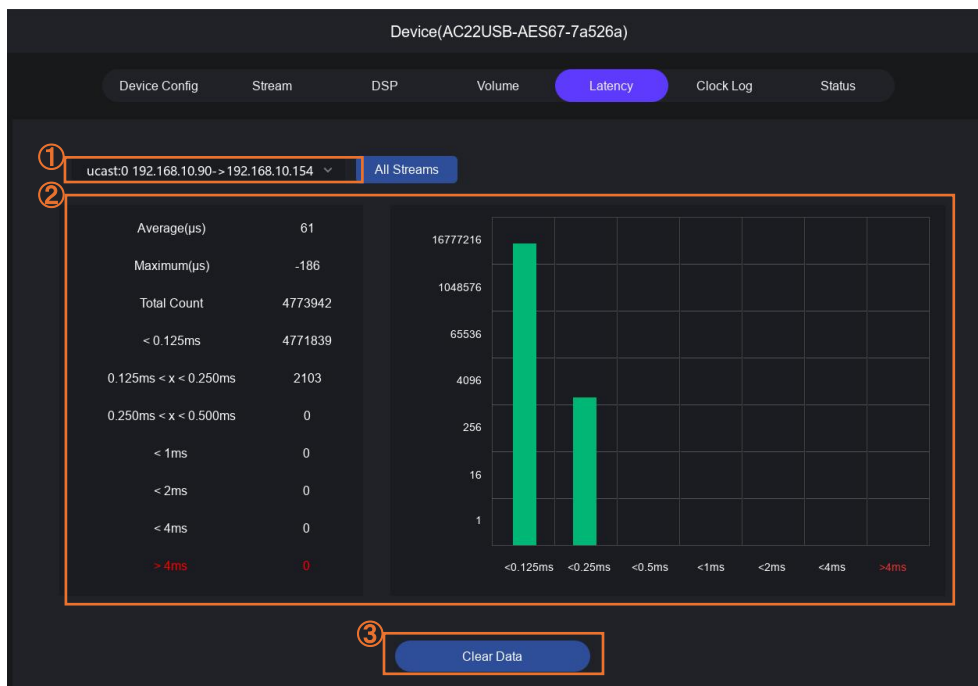
Note: The available configuration items and functions depend on the specific device model and its hardware capabilities.



Latency

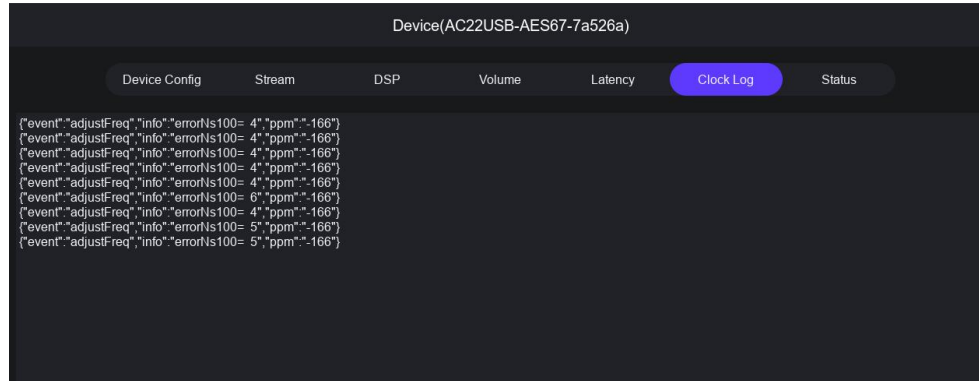
This page analyzes network audio stream latency and packet loss.

- ① **Active Channels:** Lists the active data streams; switching between them allows you to view statistics for each stream individually. **Only the receiving end displays the established stream.**
- ② **Statistical Data:** Displays the statistical data, including visual bar graphs. Red bars indicate packet loss or synchronization issues, which are normal before the device boots and synchronizes its clock. Once synchronized, the red bars should stop increasing.
- ③ **Clear Data:** Provides controls to clear the current data and restart the statistics collection. Occasional, isolated red bars are typically caused by normal network fluctuations and do not affect audio. However, if red bars persistently and intermittently increase, it indicates an underlying network or device transmission abnormality that requires troubleshooting.



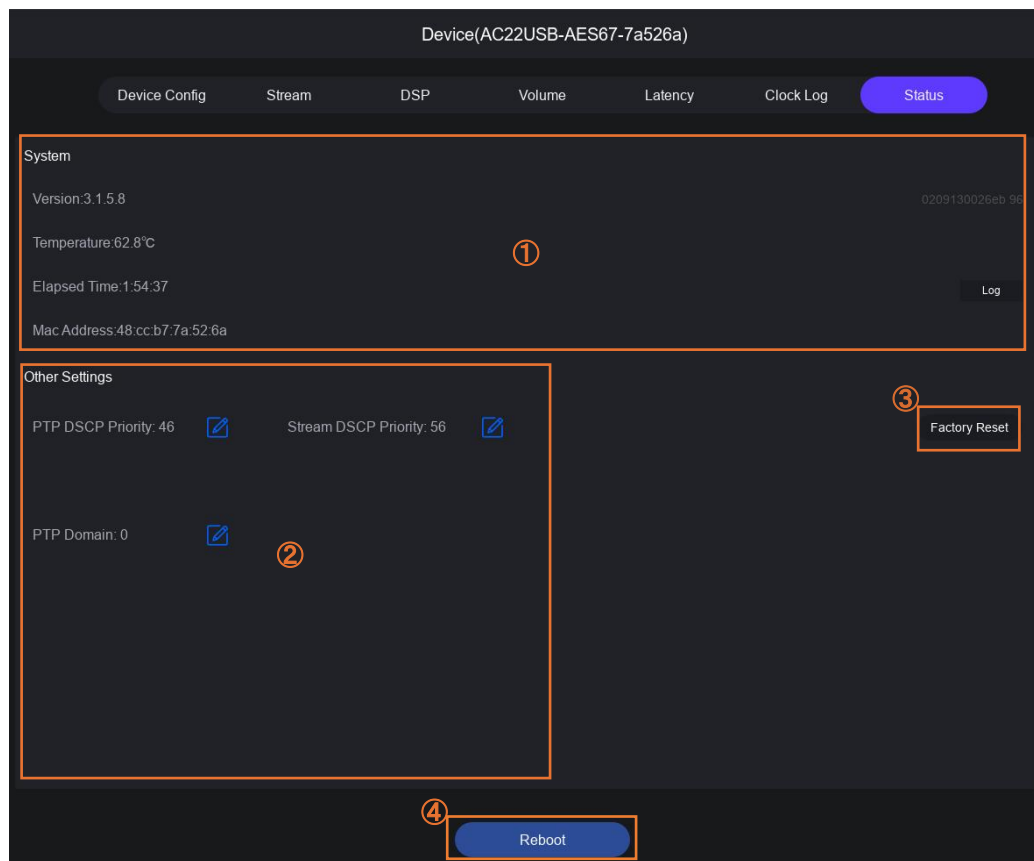
Clock Log

This page continuously records the device's timing and synchronization events. The log serves as diagnostic data for verifying normal clock operation and debugging purposes.



Status

- ① **System:** This page displays the device's **version information**, **operating temperature**, **system uptime**, and **MAC address**.
- ② **Other Settings:** It provides configuration settings for network traffic prioritization. Here, you can set the **PTP DSCP priority** and the **Stream DSCP priority** to manage the network quality of service. These settings prioritize clock synchronization and audio streaming packets respectively, ensuring low latency and reliable performance.
- ③ **Reset Factory:** It provides the function to restore the device to its factory default settings. This operation will reset all ④ configurations and typically requires the device to reboot.
- ④ **Reboot:** It provides the function to restart the device.



Interoperability with Dante® Devices

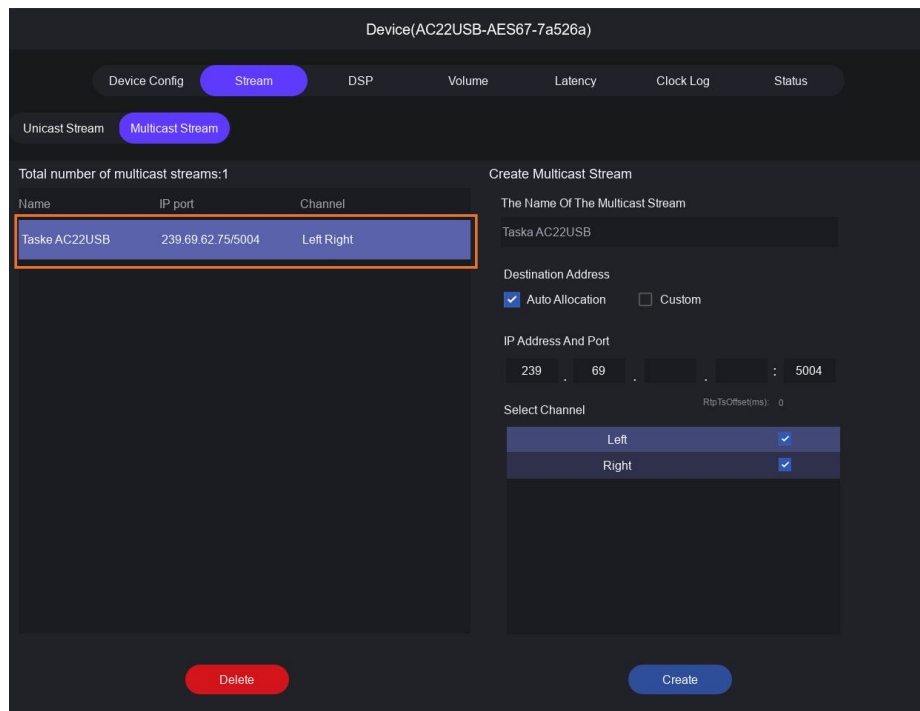
Because AES67 and Dante® protocols employ different native transmission mechanisms, direct peer-to-peer communication between these devices is not natively supported. To establish bidirectional audio routing between AES67 and Dante® endpoints, users must configure and establish compatible multicast streams.

Follow the standardized operational procedures below to enable interoperability and initiate stream synchronization. **Taska IPE-200UD-TZ** is used as an example.

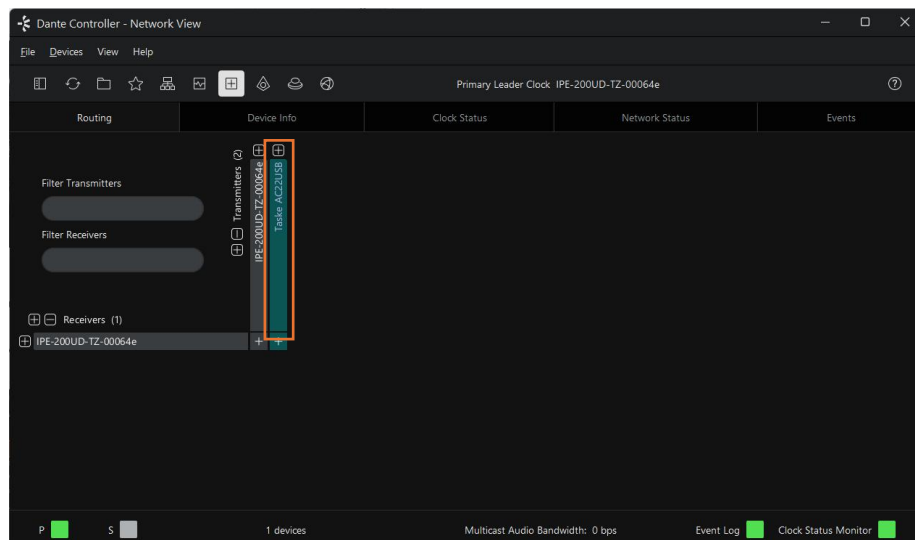
Sending to Dante® Devices

Creating a Multicast Stream

Input the multicast stream name and select channels on the Multicast Stream interface of **AES67Link**, then click the **Create** button to create the multicast stream for the AES67 device.



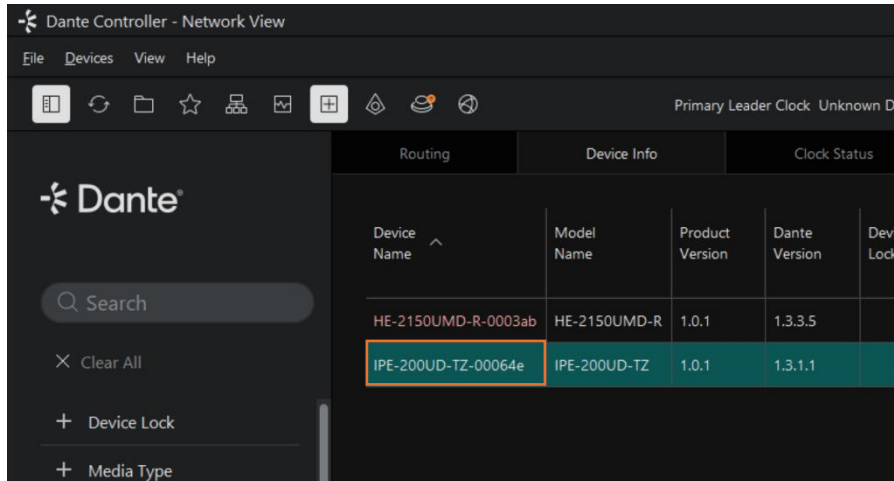
After created multicast stream successfully, it appears on the left session. Those multicast stream will be displayed as a transmitter on the Routing page of **Dante® Controller**.



Receiving from Dante® Devices

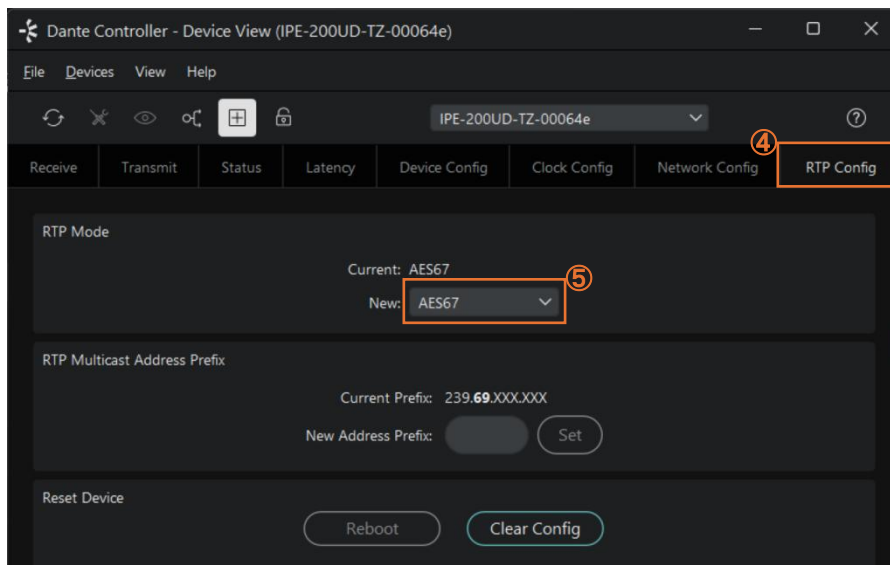
Step 1: Enable AES67 Compatibility via RTP Configuration

- ① Ensure the target Dante® device is active and properly connected to the network infrastructure.
- ② Launch the **Dante® Controller** software.
- ③ Locate the target Dante® device within the network routing matrix and double-click its name to open the dedicated Device View window.



Note: Device name in red color means that the device is in different subnet which cannot be accessed by **Dante® Controller**.

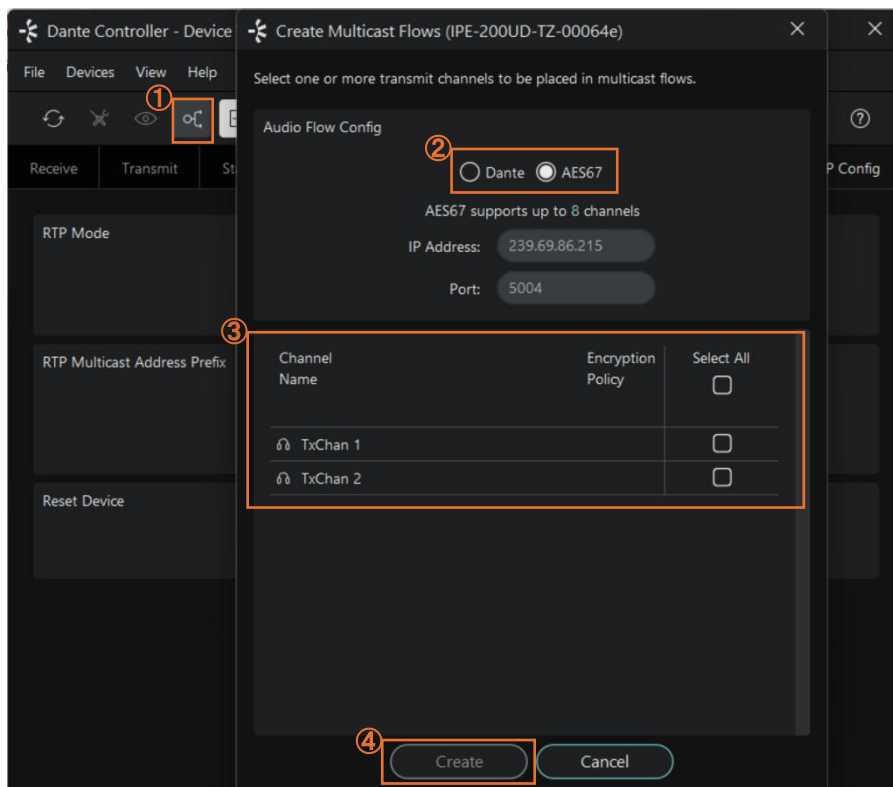
- ④ Navigate to the **RTP Config** tab.
- ⑤ Locate the **RTP mode** configuration section and select AES67 to enable cross-protocol compatibility.



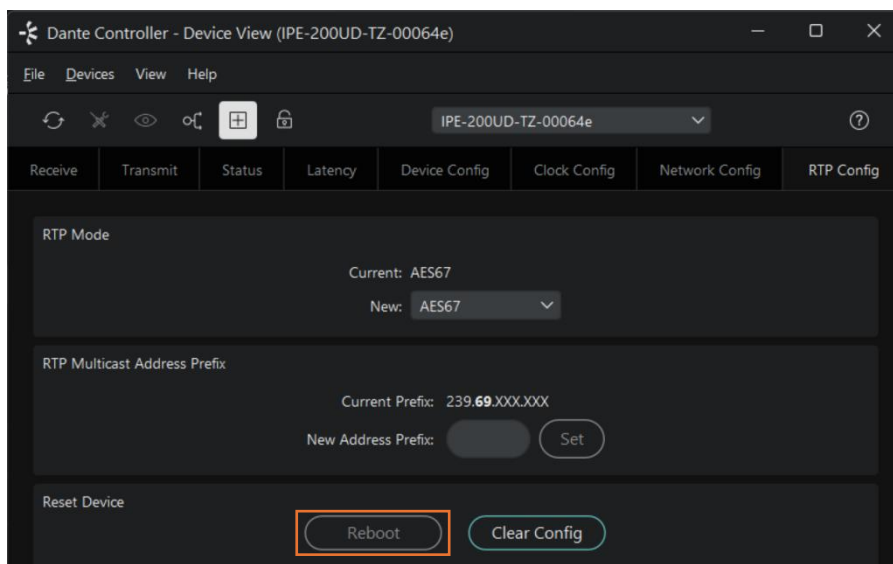
Step 2: Initialize and Construct the Multicast Flow

- ① Within the **Dante® Controller**, click the **Create Multicast Flow** icon (multicast symbol) located on the toolbar to open the stream configuration dialog box.
- ② In Audio Flow Config, select **AES67**.
- ③ Review the available channel grid and select the specific audio transmission channels designated to join the multicast group.

- ④ Click **Create** to compile and publish the stream.

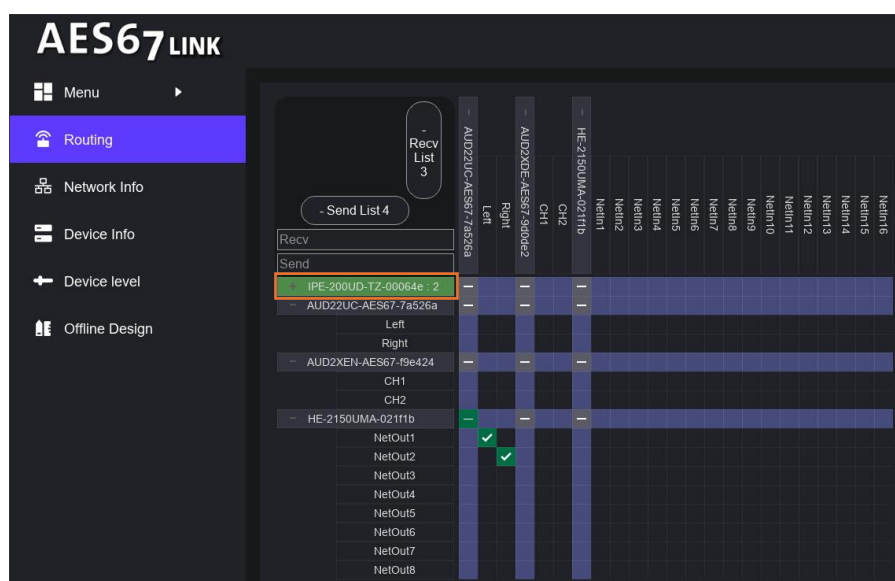


- ⑤ If the multicast stream initialization fails or status indicators report an error, perform a hardware **Reboot** on the Dante® device via the software to successfully commit and apply the settings.



Step 3: Stream Verification and Routing

- ① Upon successful creation and device synchronization, open the **AES67Link**.
- ② Navigate to the Routing page.
- ③ The newly established Dante® multicast stream will automatically populate and display within the matrix as an available transmitter endpoint, ready for signal mapping.



Note: Within the **AES67Link** matrix, exposed Dante® multicast streams operate strictly as transmitter paths. The AES67 network can route these streams to receive incoming audio data from the Dante® environment, but it cannot utilize these specific multicast streams to transmit or route return audio data back into the Dante® network.

Technical Specifications

Technical		
Network Audio Format	AES67	
USB Audio Input	Channels	2CH
	Sampling Rate	44.1kHz, 48kHz, 96kHz
	Bit Rate	16bit, 24bit
	Frequency response	20Hz to 20kHz (-/+0dB)
	Dynamic Range	>100dB, 1kHz A-weighted
	S/N Ratio	>97dB, 1kHz A-weighted
	THD+N	< 0.01% at +4dBu, 1KHz
	Sync Delay	<1ms
USB Audio Output	Channels	2CH
	Sampling Rate	44.1kHz, 48kHz, 96kHz, 192kHz
	Bit Rate	16bit, 24bit
	Frequency Response	20Hz to 20kHz (-/+0dB)
	Dynamic Range	>100dB, 1kHz A-weighted
	S/N Ratio	>97dB, 1kHz A-weighted
	THD+N	< 0.01% at +4dBu, 1KHz
Connection		
Input/Output	1 x AES67 [RJ45, supporting PoE] 1 x USB-C [USB 2.0, UAC]	
Control	1 x POWER [USB Power and USB 2.0 for MCU FW update only]	
Mechanical		
Color	Black	
Dimensions	115mm [W] × 40mm [D] × 28mm [H]	
Weight	94g	
Electrical		
Power Consumption	0.85W(Max)	
Power Supply	PoE (IEEE802.3af) USB-C (5V/500mA)	
Environment		
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F	
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F	
Operating Humidity	20~80% RH (Non-condensing)	
Storage Humidity	10~90% RH (Non-condensing)	

Warranty

Taska Technology Limited warrants that the **AC22USB-AES67** is free from defects in materials and workmanship under normal use for a period of 60 months (5 years) from the original date of purchase. To obtain warranty service, customers must contact their local authorized Taska distributor.

This warranty does not apply under the following conditions:

- A. Damage resulting from negligence, accident, lightning, water, acts of God, or improper handling;
- B. Failure to operate the equipment in accordance with the procedures specified in the official user manual;
- C. Repairs, modifications, or alterations performed by unauthorized service centers;
- D. Removal, alteration, or defacement of the original product serial number;
- E. Damage caused by the use of unauthorized external equipment that affects performance, safety, or reliability;
- F. Products for which replacement parts or components are discontinued and no longer available.

Proof of purchase is required for all warranty claims.