

AVHub Divisible Conference Room

Introduction

Divisible Room Mode is a solution designed for professional-grade meeting rooms. Professional-grade meeting rooms can be flexibly divided and combined. In typical scenarios, a professional meeting room can be divided into 2-4 separate spaces. Yealink innovatively utilizes AVHub with a switch to enable the ability to control space partitioning/merging in real time from the meeting control panel. In a divided state, each AVHub in individual meeting rooms plays a role in managing audio and video devices within that specific meeting room. In a merged state, one of the meeting rooms becomes the control room, overseeing all the audio and video devices within the combined meeting rooms. The AVHub devices in the merged rooms act as bridges for audio and video signal transmission. At this point, the interface for the divided meeting room will be locked, and the control room will gain control over all the peripherals in the merged rooms.

For the operation video, please refer to [Divisible Room](#).

Before You Begin

- Vision Required

AVHub is supported in 153.432.0.5 and later visions.

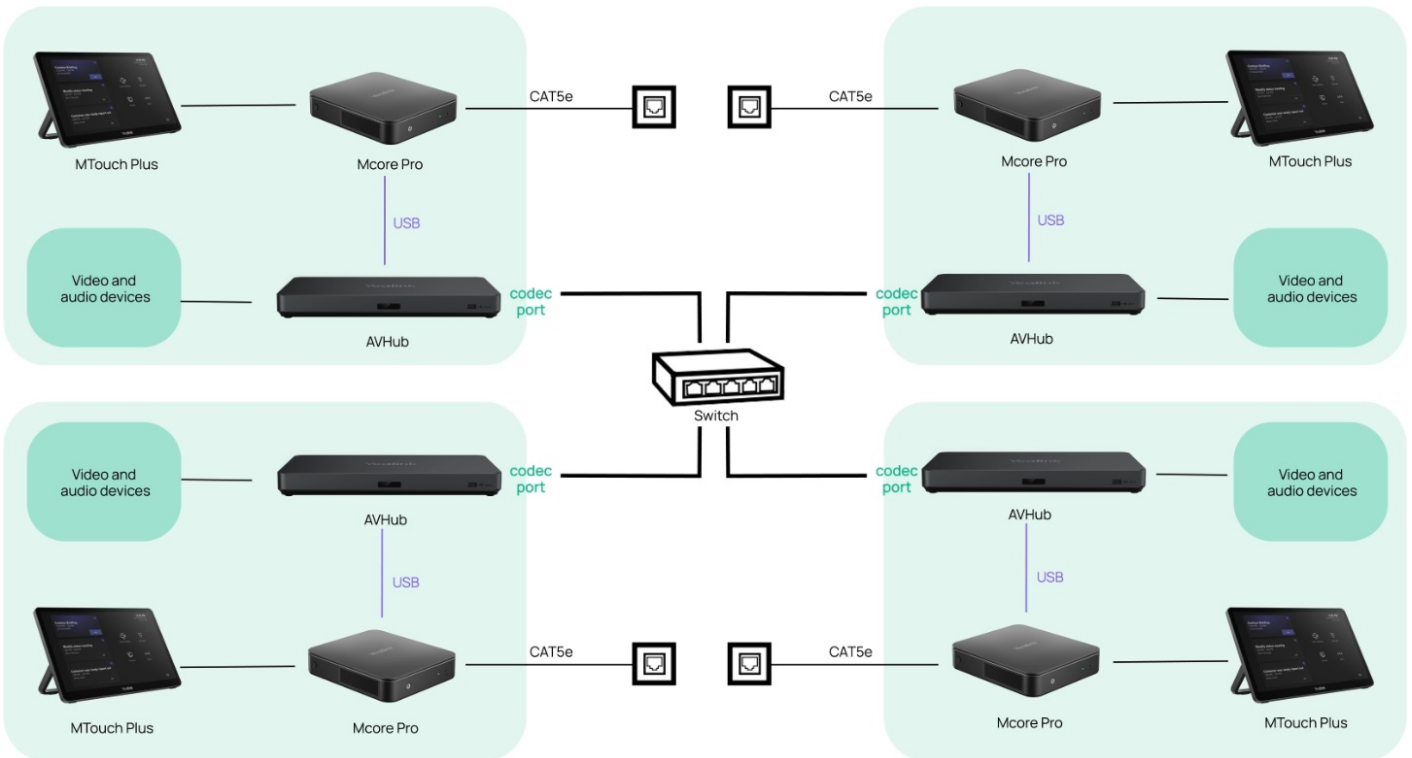
UVC86 is supported in 151.432.0.5 and later visions.

Yealink RoomConnect is supported in 2.32.42.0 and later visions.

- For an entire divisible space, the maximum total number of audio and video devices that the MVC system can support must meet the requirements outlined in the following table:

Name of Audio and Video Devices	Maximum Supported Number of Devices
UVC84/UVC86	9
VCM34	8
VCM35	8
VCM38	8
MSpeaker II	4

Connect multiple MVC systems' AVHubs using Ethernet cables, as shown in the deployment diagram below:



NOTE

1. If you need to merge more than two conference rooms, you should connect all the AVHubs' Codec interfaces from the rooms using Ethernet cables to the same switch (the switch should not be connected to the external network), and the switch should be a Gigabit switch.
2. Mcore Pro needs to be on the same local area network (LAN).
3. Conference room peripherals like cameras and microphones should be connected to AVHub via Ethernet cables and should not be connected to Mcore Pro via USB. Merging conference rooms means merging the devices under AVHub, and peripherals connected to Mcore Pro cannot be merged.
4. All conference rooms that need to participate in the merger must enable the divisible conference room feature, or they cannot be interconnected.
5. Before connecting to AVHub, you need to enable the divisible conference room feature on AVHub.

How to Use





You can operate the system directly using the MTouch II provided with the MVC series, or you can access the device management platform for remote operation. For remote management instructions, please refer to [Remote Control](#). In the divisible mode, the status of the devices connected to the MVC is as shown in the picture below:

NOTE

Here is an example using two sets of MVC devices, and the logic and operations remain the same for more than two sets.

AVHub-1(before enable Divisible Room)





Yealink RoomConnect [Settings] [Close]

 <p>AVHub Bind camera: 4 Firmware Version: 153.431.0.5 Hardware Version: 153.0.16.0.0.0.0 Serial Number: 8703018090000098</p>	 <p>VCM35 Quantity: 2 Firmware Version: 98.431.0.5 Hardware Version: 154.16.0.0.0.0.0</p>
 <p>MTouchII Firmware Version: 126.424.0.25 Hardware Version: 126.0.0.0.0.0.0 Serial Number: 803061C080002459</p>	 <p>MSpeakerII Firmware Version: 98.431.0.15 Hardware Version: 98.3.0.0.2.0.32 Serial Number: 806051D120000073</p>

Windows taskbar: Type here to search, 14°C 晴朗, 7:38 PM 2/7/2023

AVHub-2(before enable Divisible Room)

Yealink RoomConnect [Settings] [Close]

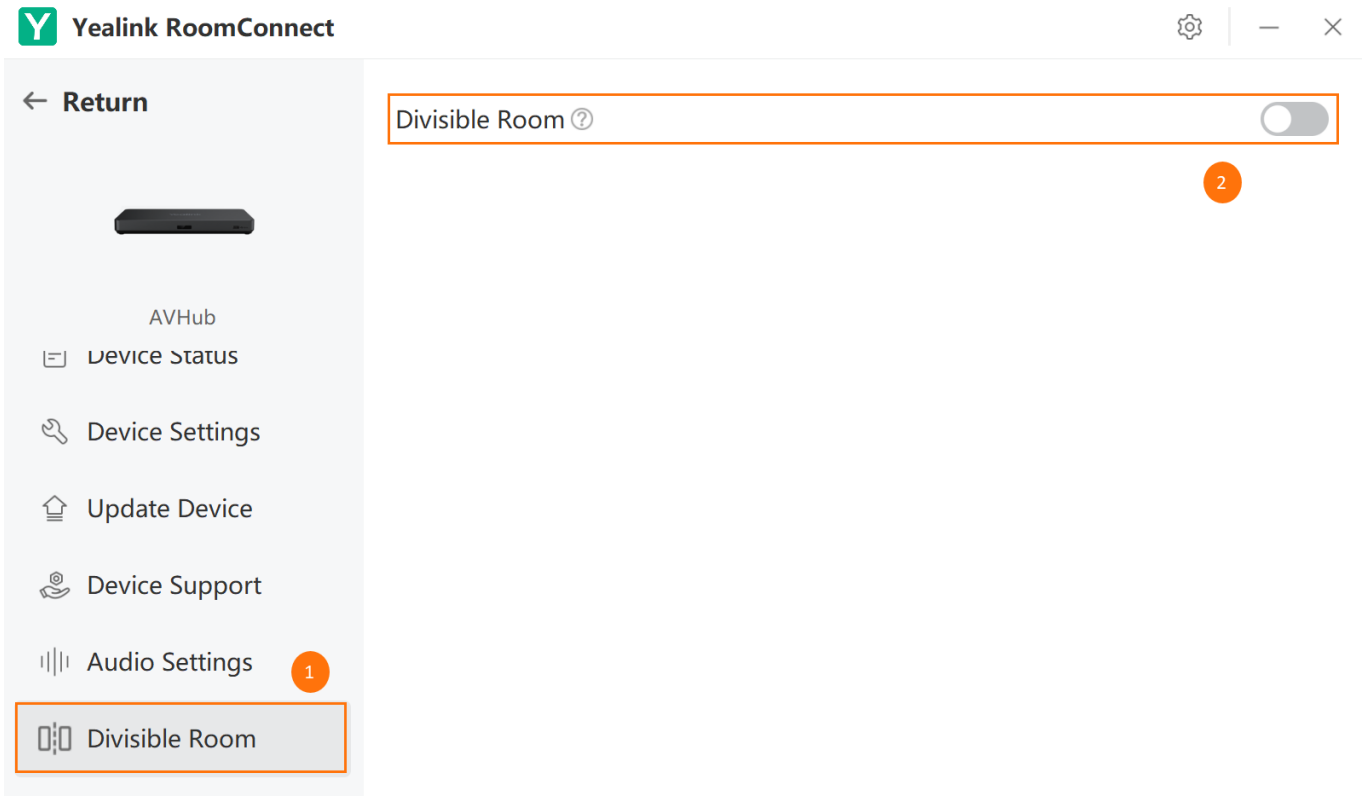
 <p>AVHub Bind camera: 5 Firmware Version: 153.431.0.5 Hardware Version: 153.0.33.0.2.0.32 Serial Number: 806011E080000077</p>	 <p>VCM35 Quantity: 2 Firmware Version: 98.431.0.5 Hardware Version: 154.16.0.0.0.0.0</p>
 <p>MTouchII Firmware Version: 126.424.0.15 Hardware Version: 126.2.0.0.2.0.17 Serial Number: 803061E070001623</p>	 <p>MSpeakerII Quantity: 3 Firmware Version: 98.431.0.15 Hardware Version: 98.3.0.0.1.0.0</p>

Windows taskbar: Search, 今日热点, ENG 7:49 PM

Method 1: Configure via Yealink RoomConnect

Taking AVHub-1 as the “main control room” as an example. Open AVHub in the Yealink RoomConnect.

1. Click **Divisible Room**.
2. Click enabled.



3. Click the **Add/Remove** button to add conference rooms. You can also manually add conference rooms by entering the IP address of Mcore Pro.

The screenshot shows the 'Yealink RoomConnect' interface. On the left is a navigation menu with options: AVHub, Image Setting, Update Device, Device Support, Audio Settings, Mic and Camera Linkage, and Divisible Room (highlighted). The main area is titled 'Divisible Room' with a toggle switch turned on. Below this is a 'Room Setting' section with a refresh icon and an 'Add/Remove' button. A table lists available rooms:

Available Rooms	IP	MAC	Room Status	Operation
Room1	10.50.56.23	A417912793FB	Mergeable	-

- You can also manually add conference rooms by entering the IP address of Mcore Pro.

This screenshot shows the 'Yealink RoomConnect' interface after adding more rooms. The navigation menu and 'Divisible Room' toggle are the same. The 'Room Setting' section now includes an 'Add/Remove' button. The table lists four rooms:

Available Rooms	IP	MAC	Room Status	Operation
Room1	10.50.56.23	A417912793FB	Mergeable	-
Room3	10.50.56.17	A417912795DC	Mergeable	Merge
room4	10.50.56.25	A41791285998	Mergeable	Merge
room2	10.50.56.30	A417912680A6	Mergeable	Merge

- 4. After merging the conference rooms, the Control Room will gain control over all peripherals connected to the AVHubs in the merged rooms, and they will be centrally managed on AVHub-1.

AVHub-1(after becoming the control room)

The screenshot displays the Yealink RoomConnect web interface. At the top left is the Yealink logo and the text 'Yealink RoomConnect'. On the top right are icons for settings, a minus sign, and a close button. The main content area is divided into four white panels, each representing a different device type:

- AVHub:** Includes a small image of the device. Text: Bind camera: 9, Firmware Version: 153.431.0.5, Hardware Version: 153.0.33.0.2.0.32, Serial Number: 806011E080000077.
- VCM35:** Includes a small image of the circular device. Text: Quantity: 4, Firmware Version: 98.431.0.5, Hardware Version: 154.16.0.0.0.0.0.
- MTouchII:** Includes a small image of the touch screen device. Text: Firmware Version: 126.424.0.15, Hardware Version: 126.2.0.0.2.0.17, Serial Number: 803061E070001623.
- MSpeakerII:** Includes a small image of the speaker device. Text: Quantity: 4, Firmware Version: 98.431.0.15, Hardware Version: 98.3.0.0.1.0.0.

At the bottom of the screenshot is a Windows taskbar showing a search bar, several application icons, a weather widget (14°C 晴朗), and system tray icons for volume, network, and time (7:47 PM).

- AVHub-1(the interface of control room)

Yealink RoomConnect

← Return

AVHub

- Image Setting
- Update Device
- Device Support
- Audio Settings
- Mic and Camera Linkage
- Divisible Room**

Divisible Room

Room Setting Refresh Add/Remove

Available Rooms	IP	MAC	Room Status	Operation
Room	10.50.67.56	A417912793FB	Control Room	Unmerge all
Test03Room	10.50.67.50	A417912795DC	Merged	Unmerge

- AVHub-2(after merging)

Yealink RoomConnect

AVHub

Bind camera: 0

Firmware Version: 153.431.0.5

Hardware Version: 153.0.16.0.0.0.0

Serial Number: 8703018090000098

MTouchII

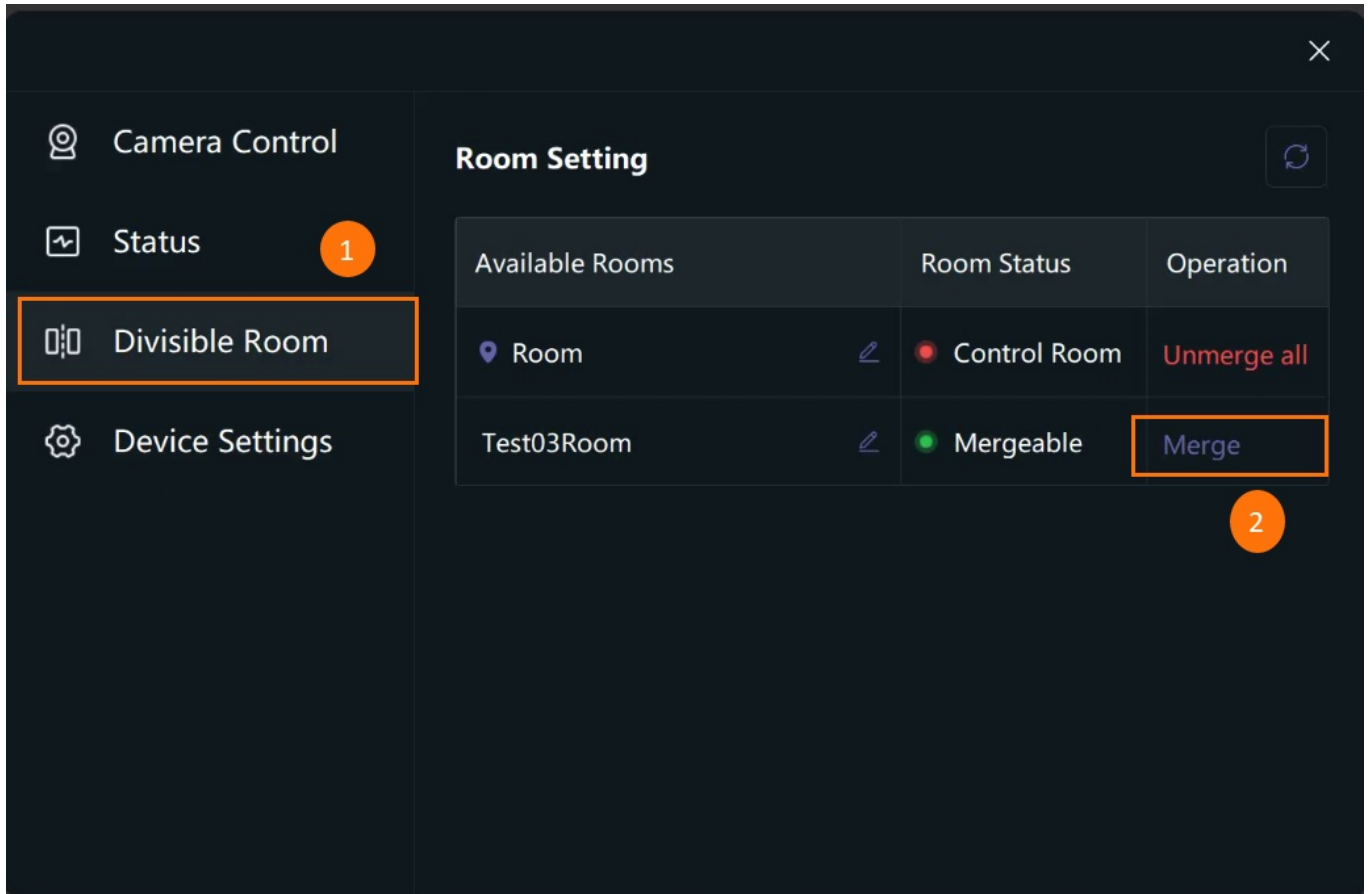
Firmware Version: 126.424.0.25

Hardware Version: 126.0.0.0.0.0.0

Serial Number: 803061C080002459

Method 2: Configure Under Skype Mode

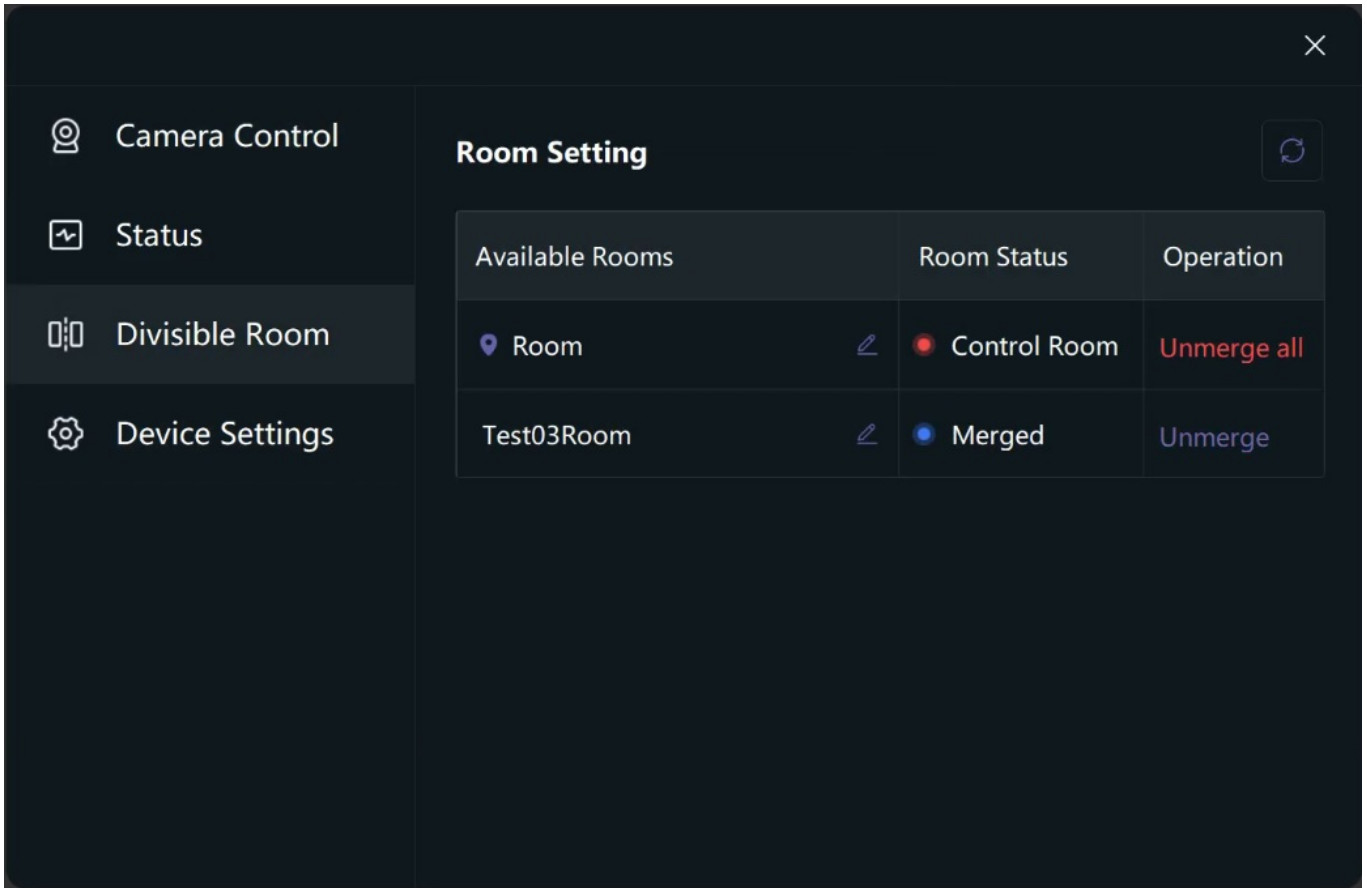
1. On the MTouch II of the control room, switch to Skype account mode, go to **Room Control > Divide Meeting Rooms**, and enter the admin password (default: admin). When meeting rooms are not merged, the MVC system operates independently. Click **Merge**, and the peripherals under the AVHub of the corresponding meeting room will disconnect and restart.



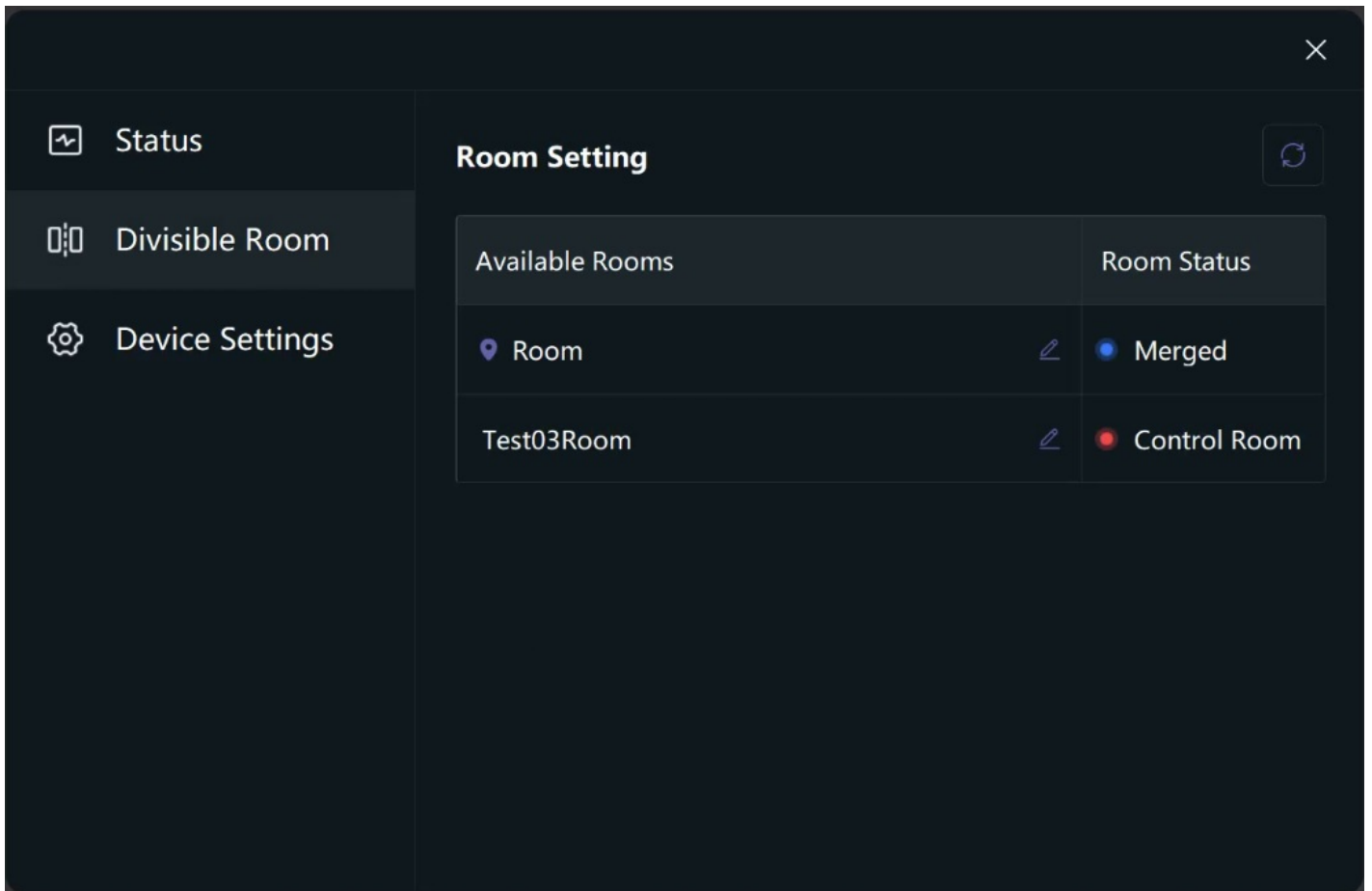
NOTE

1. Before proceeding with the meeting room merge operation, ensure that all meeting rooms participating in the merge have enabled the Divisible Meeting Room feature.
2. The merged meeting rooms need to be added to the room settings list in Yealink RoomConnect. For specific setup methods, please refer to [setting up via YRC](#)

2. After the peripherals in the merged rooms have successfully restarted, the AVHub of the merged room will automatically reconnect. If you switch to Yealink RoomConnect at this point, you can see that the AVHub in the merged room is being used as a switch with a bound audio-video device count of 0. The AVHub in the control room binds all audio-video devices, and the YRC display is the same as when set up through YRC. In Skype mode, the divisible room interface will also refresh to the merged state, and you can directly view the roles and current status of each room.




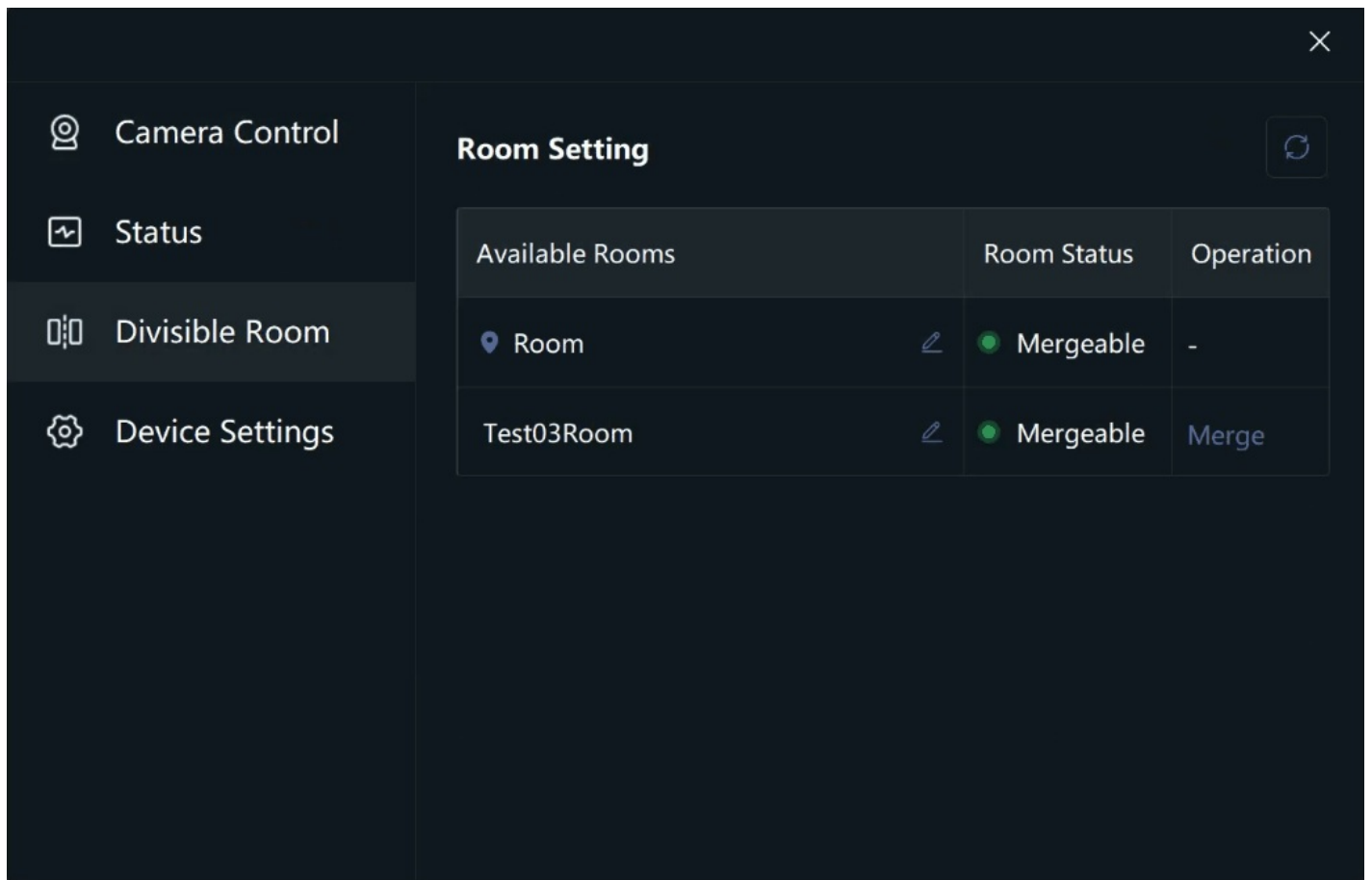
The interface of a divisible room of the merged rooms is locked and cannot be operated.



Available Rooms	Room Status
Room	Merged
Test03Room	Control Room

Rename Room Name

You can customize the name of the meeting room for better management. Click the edit icon  to rename it. Once modified, the displayed name in the interface of the merged rooms will automatically update. Here are the steps:



The screenshot displays the Yealink AVHub interface in 'Divisible Room' mode. The left sidebar includes 'Camera Control', 'Status', 'Divisible Room', and 'Device Settings'. The main panel, titled 'Room Setting', features a table with the following data:

Available Rooms	Room Status	Operation
Room	● Mergeable	-
Test03Room	● Mergeable	Merge

Exit the Divisible Room Mode

Method 1: exit via Yealink RoomConnect.

1. Click **Divisible Room** of the AVHub in the control room.
2. Click **Unmerge**.

3. Confirm the action by clicking Confirm.

Yealink RoomConnect

← Return

AVHub

- Image Setting
- Update Device
- Device Support
- Audio Settings
- Mic and Camera Linkage 1
- Divisible Room

Divisible Room 🔴

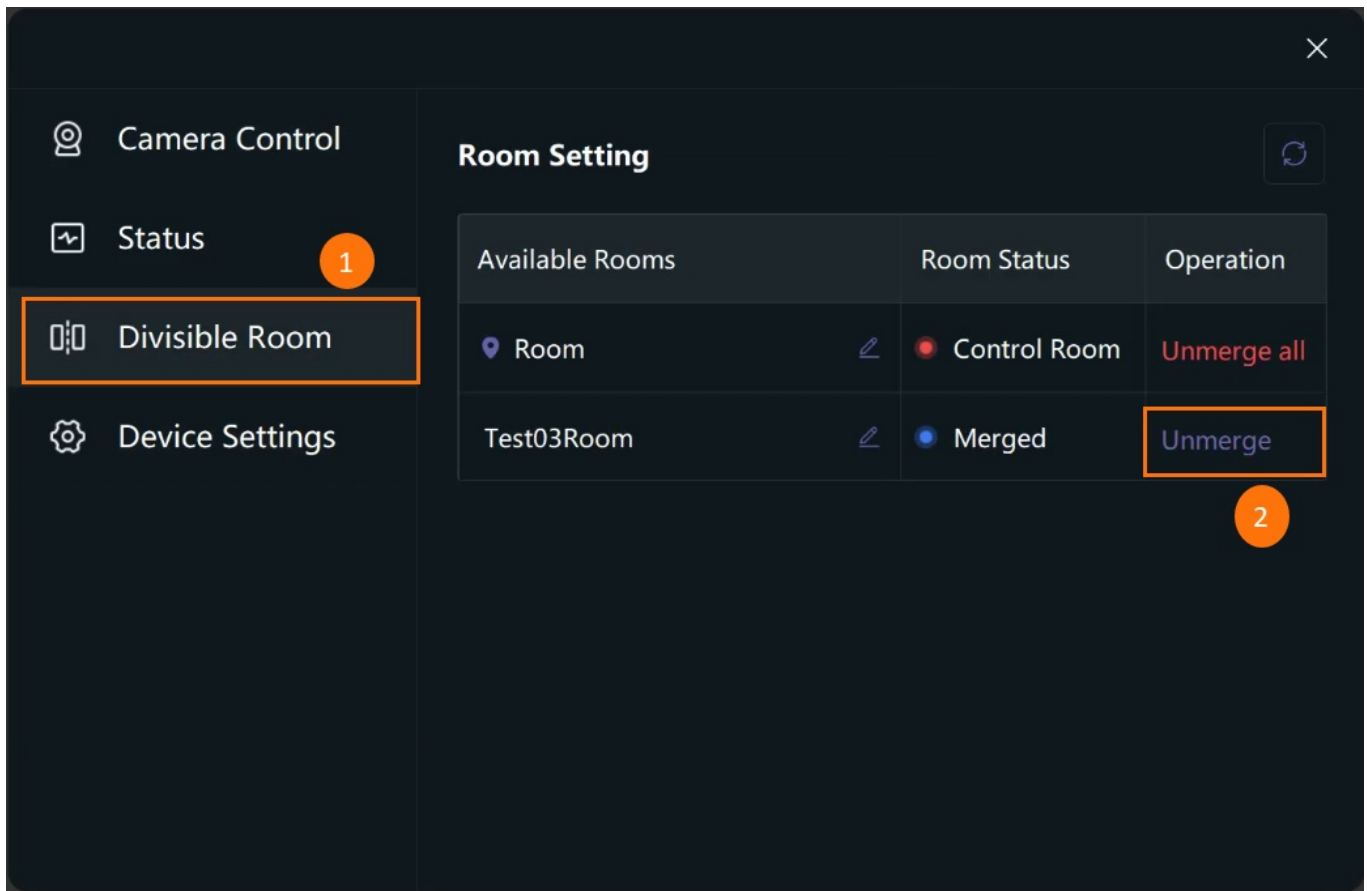
Room Setting 🔄 Add/Remove

Available Rooms	IP	MAC	Room Status	Operation
Room ✍️	10.50.67.56	A417912793FB	🔴 Control Room	Unmerge all
Test03Room ✍️	10.50.67.50	A417912795DC	🔵 Merged	Unmerge 2

Method 2: exit via Skype.

1. On the MTouch II of the control room, switch to Skype account mode.
2. Go to **Room Control > Divide Meeting Rooms**, and enter the admin password (default: admin). When meeting rooms are not merged, the MVC system operates independently.
3. Click **Unmerge**, and a confirmation dialog will appear.

4. Confirm the action by clicking **Confirm**. The peripherals under the AVHub of the corresponding meeting room will disconnect and restart.

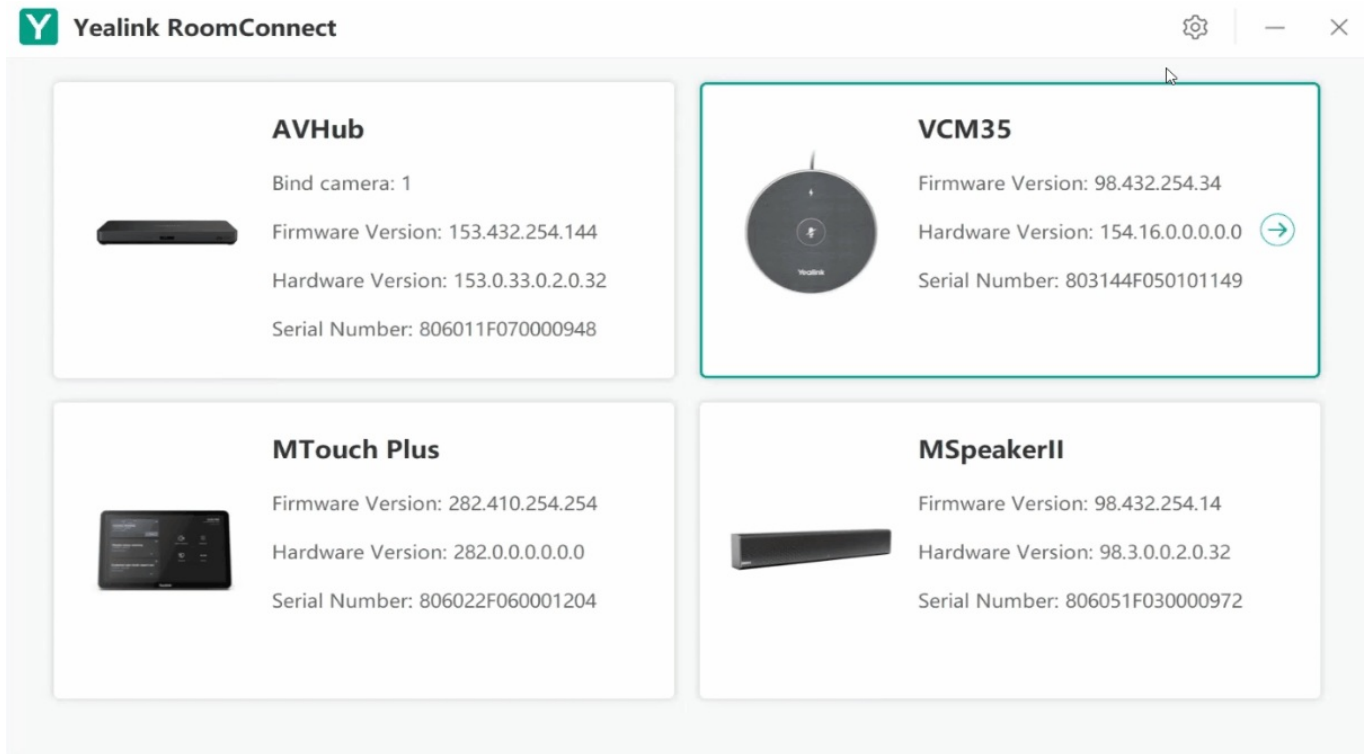


Modify Password

To modify the manager password in Skype mode while using the divisible feature, follow these steps:

1. Click the settings icon  on Yealink RoomConnect (YRC), .

2. Select **Advanced Settings > Set Manager Password > Modify Password**.



Attention

1. When AVHubs connected to the same switch have already selected a room as the control room, other rooms can only choose to be merged or split. In other words, there can only be one control room under the same switch.
2. Room statuses include mergeable, control room, merged, and offline. Offline rooms cannot undergo room merging or splitting operations.
3. If the control room's host is restored to factory settings or the split room function is disabled, the merge will be dissolved directly. If the host of the merged room is restored to factory settings or the split room function is disabled, it will detach itself from the merge.
4. Restarting the host, power outages, or network fluctuations in the control room will not affect the statuses of other rooms.