Getting Started

Introduction

This chapter takes a large conference room as an example to guide you in quickly using Yealink Room Designer to set up an AVBridge, a CM50 microphone, and 4 CS10-D speakers. The process is similar when using other combinations of devices in Designer, so use these steps as a starting point.

Device Lists

This example will use the following devices and accessories.

Device List	Quantity	Description
CM50	1	CM50 Datasheet
CS10-D	4	CS10-D Datasheet
AVBridge	1	AVBridge Datasheet
AV Switch	1	Network switch that provides Power over Ethernet+ (PoE+) for the CM50/AVBridge/CS10-D. For more information, refer to Network Best Practices.
Ethernet cable	7	Cat5e (or better) Ethernet cable (shielded cable recommended). For more information, refer to Network Best Practices.
Room Designer	1	Designer software is installed on a computer. Download at Yealink Room Designer.
PC with Conferencing software/ MTR-W/MTR-A	1	Video Conferencing Software.

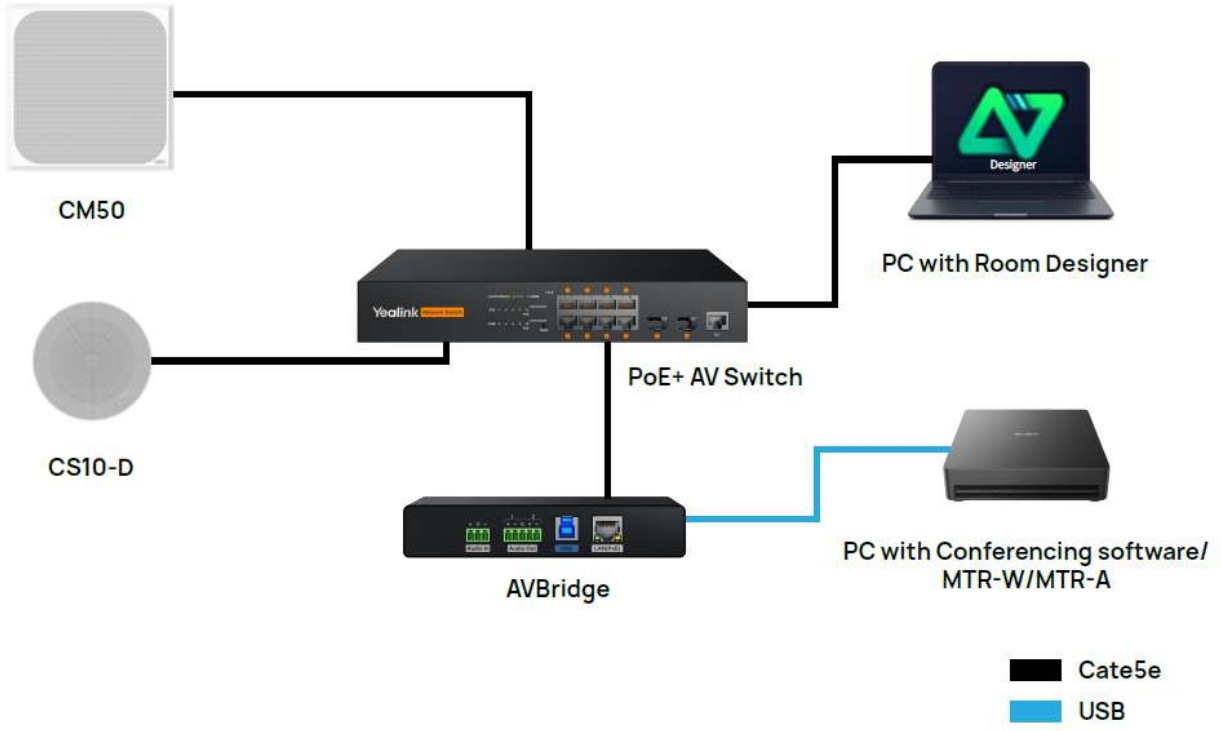
AVBridge One-click Deployment

The AVBridge one-click deployment feature will help you complete the configuration of audio links and adaptive adjustments to the acoustic environment according to the logic of video conferencing, and it can be put into use without additional adjustments.

Double-click the **System** button of AVBridge within 2 seconds to enable the auto config feature. Wait for the prompt sound to complete the system configuration, and you can directly use it for video conferencing.

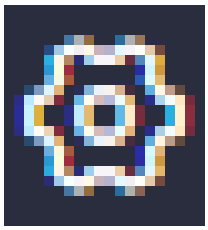
Quick Use

Step 1: Install and Connect

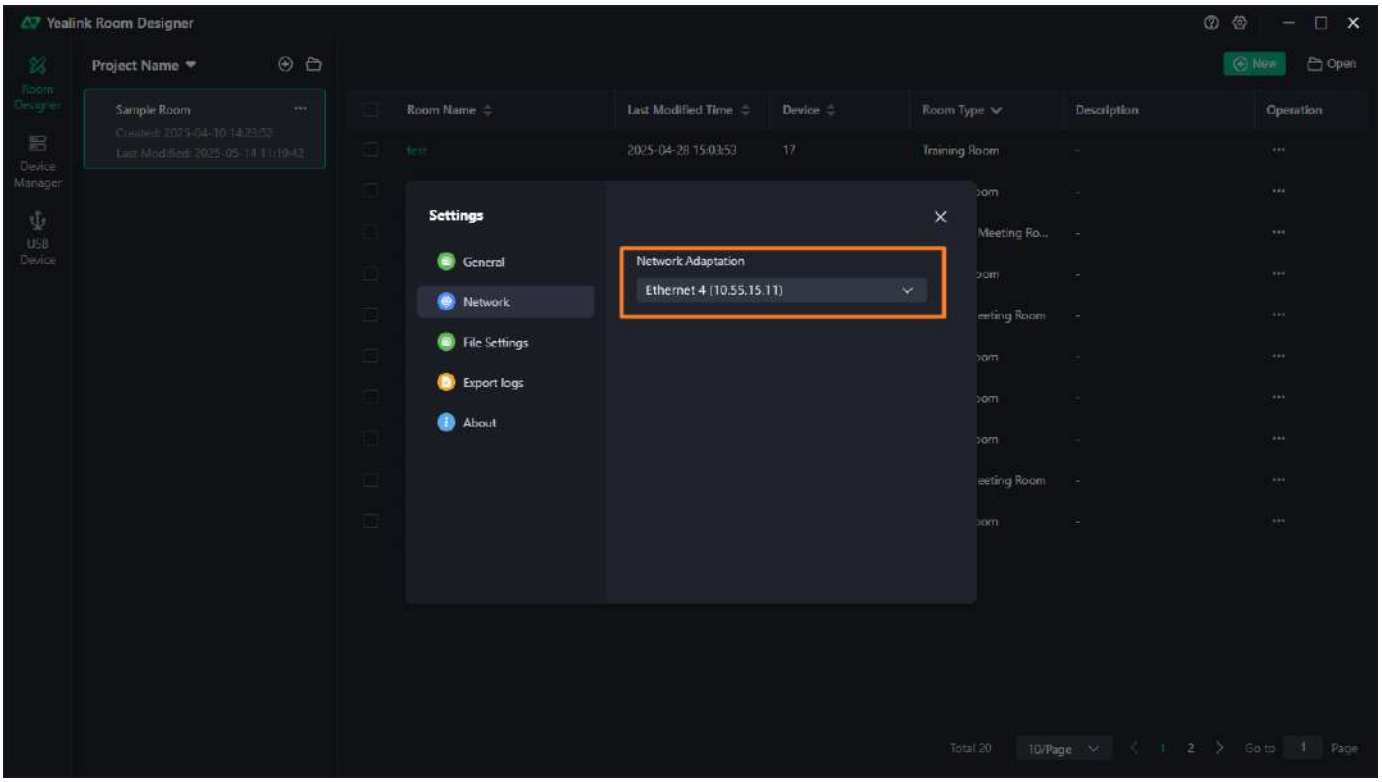


1. Install the AVBridge and other devices. Connect the AVBridge to a PoE+ port on the AV switch using an Ethernet cable.
2. Connect the PC with Conferencing software/ MTR-W/MTR-A to the AVBridge's USB port.
3. Connect your PC running Yealink Room Designer to the same network.

> All devices should be connected to the same network and maintain the same subnet.

4. Open Yealink Room Designer. Check that you're connected to the correct network in the  > **Network**.

> If you encounter issues with device recognition, you can directly connect the PC to the LAN port on AVBridge; similarly, you can directly connect CM20/CM50/CS10-D to the LAN port on AVBridge to troubleshoot whether it is a network environment issue.

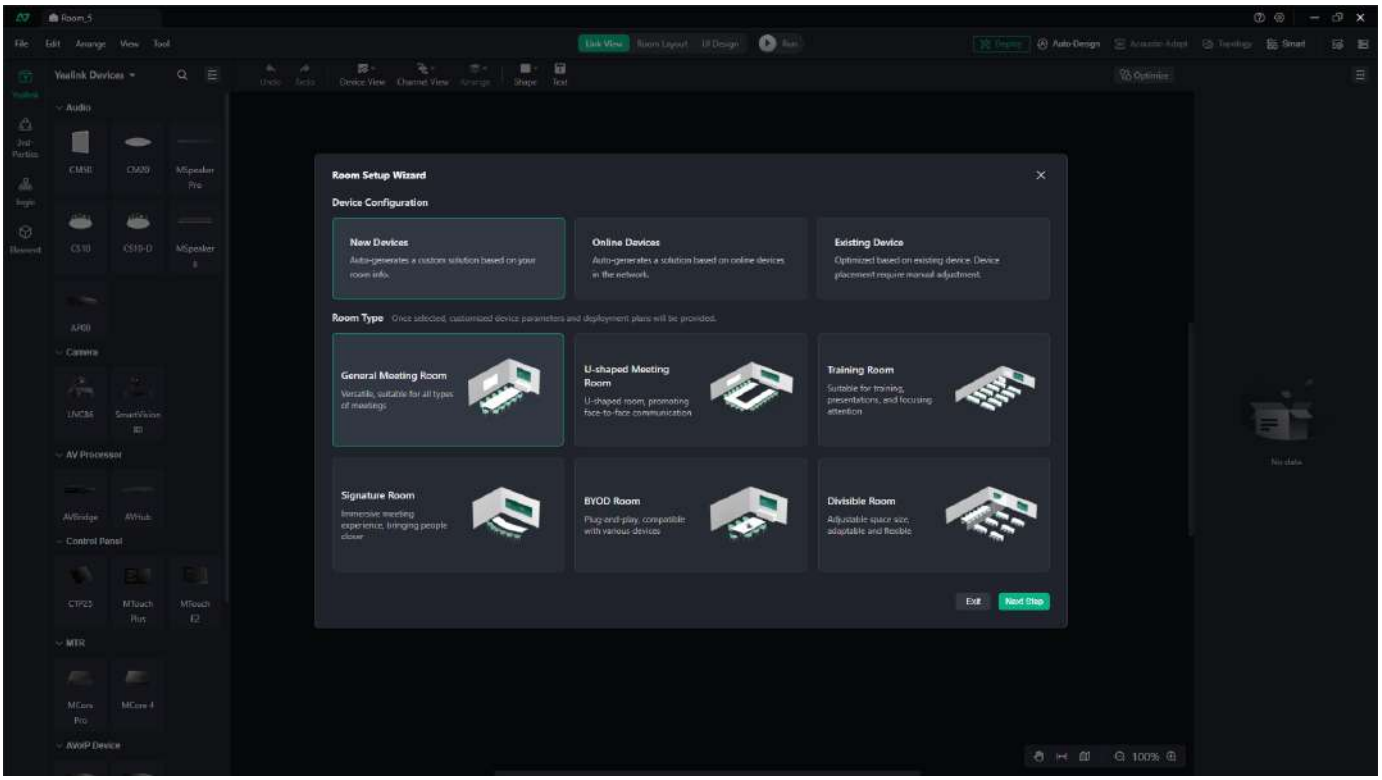


Step 2: Create a Room and Route Devices

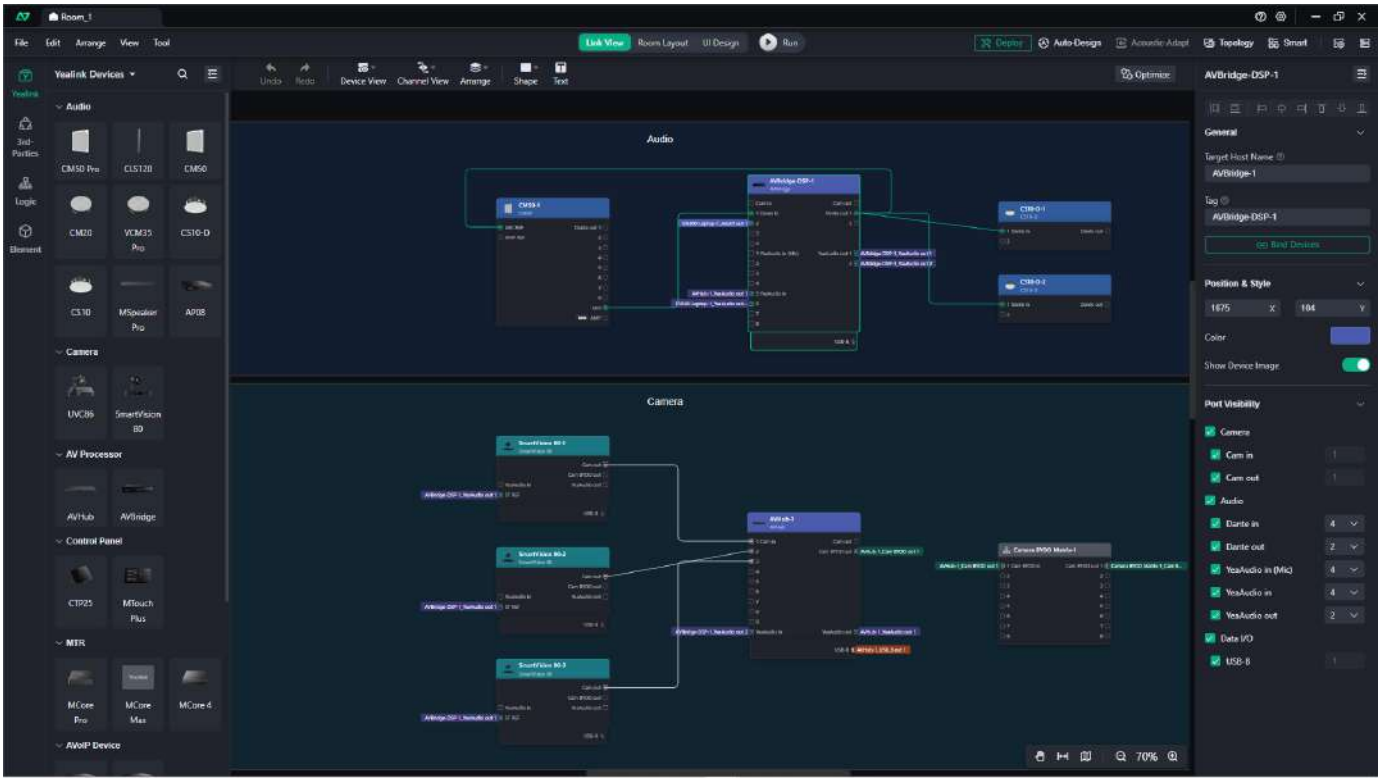
The easiest way to create a room and route devices is by using Room Designer's Auto-Design feature. It automatically routes devices and generates a room layout design based on your needs and the room information you provide.

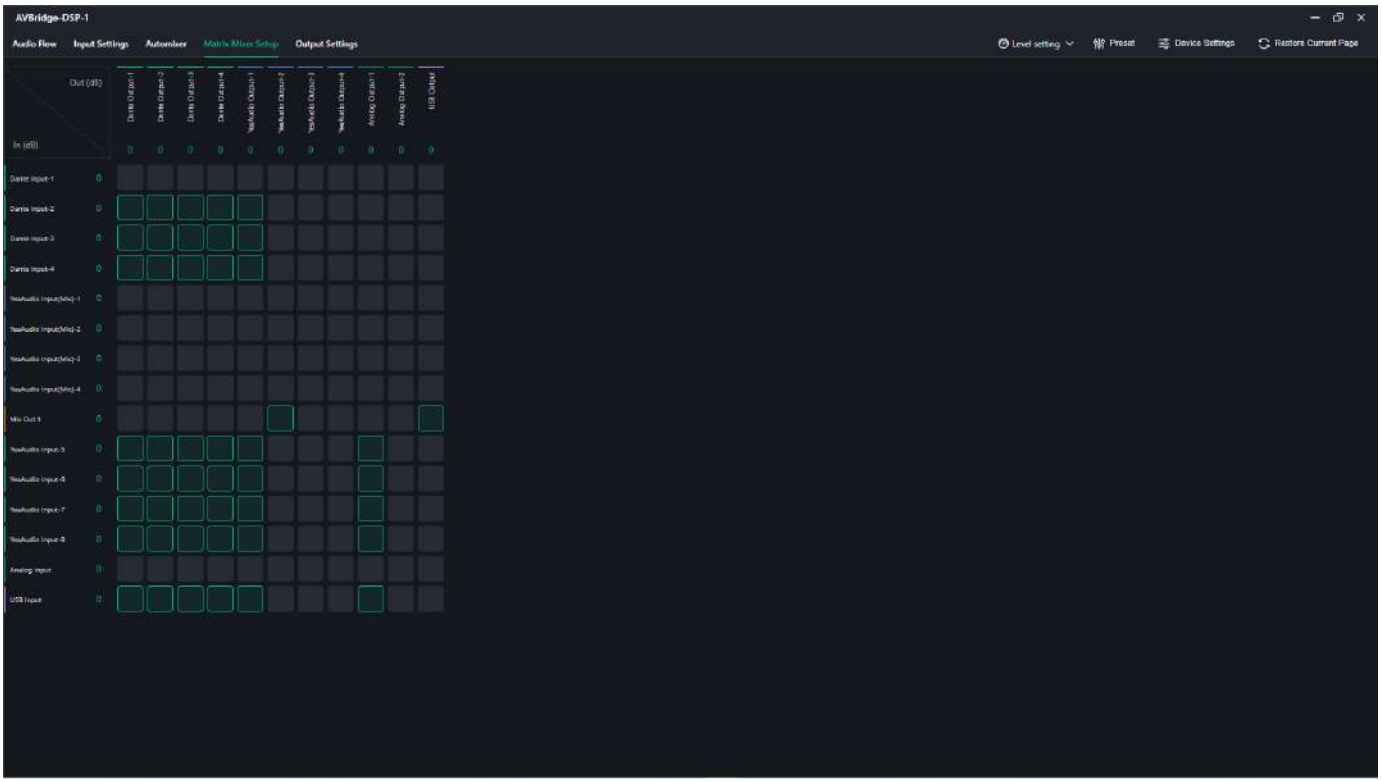
1. On the Room Designer homepage, click **New** to create a room. Enter the room information and click **Confirm** to proceed to the Room Setup Wizard.
2. Follow the on-screen prompts to complete the Room Setup Wizard. This will automatically generate audio and video routing, device space design, and the Control App.

> You can also route device manually in Room Designer, please refer to: Link View-View Area.



3. Check the A/V routes and Matrix Mixer Routes to make sure they fit your needs.

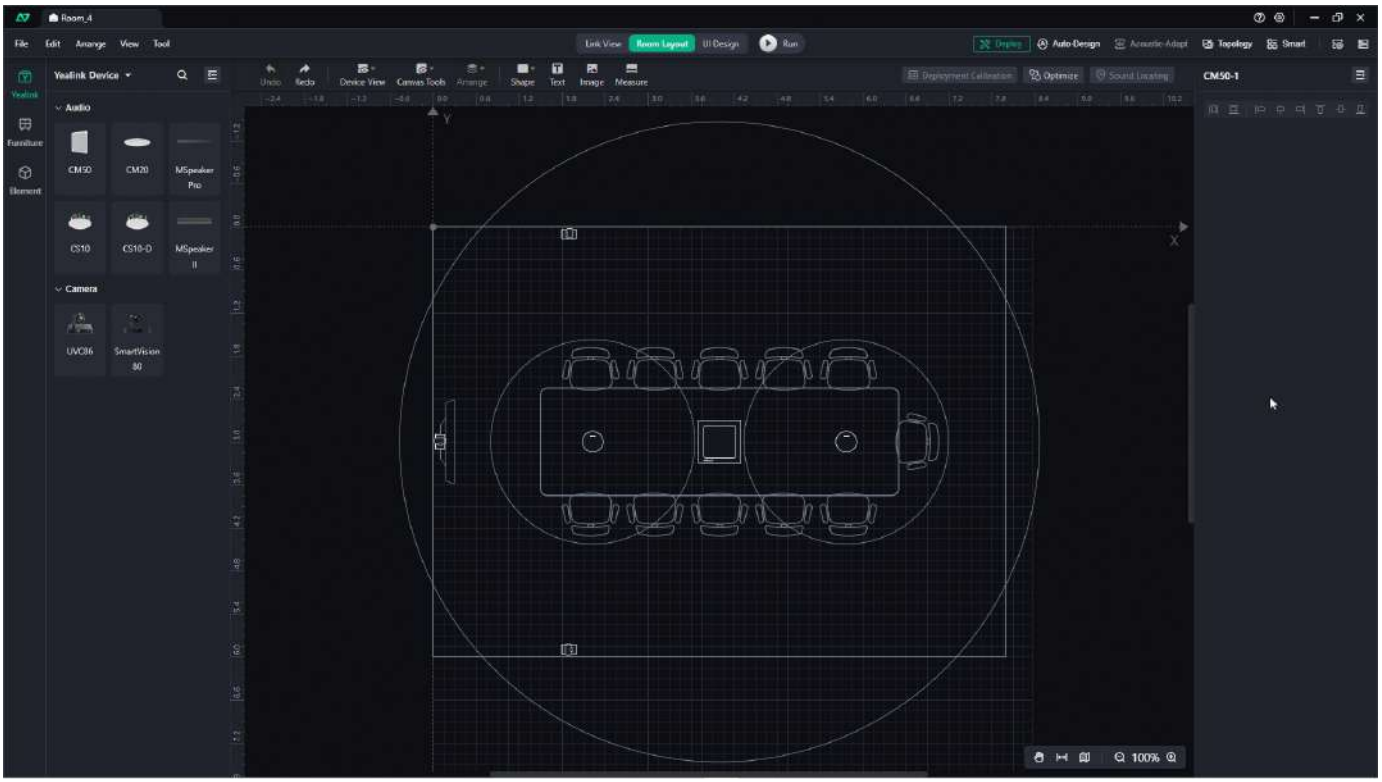




Step 3: Set Device Position and Coverage Area

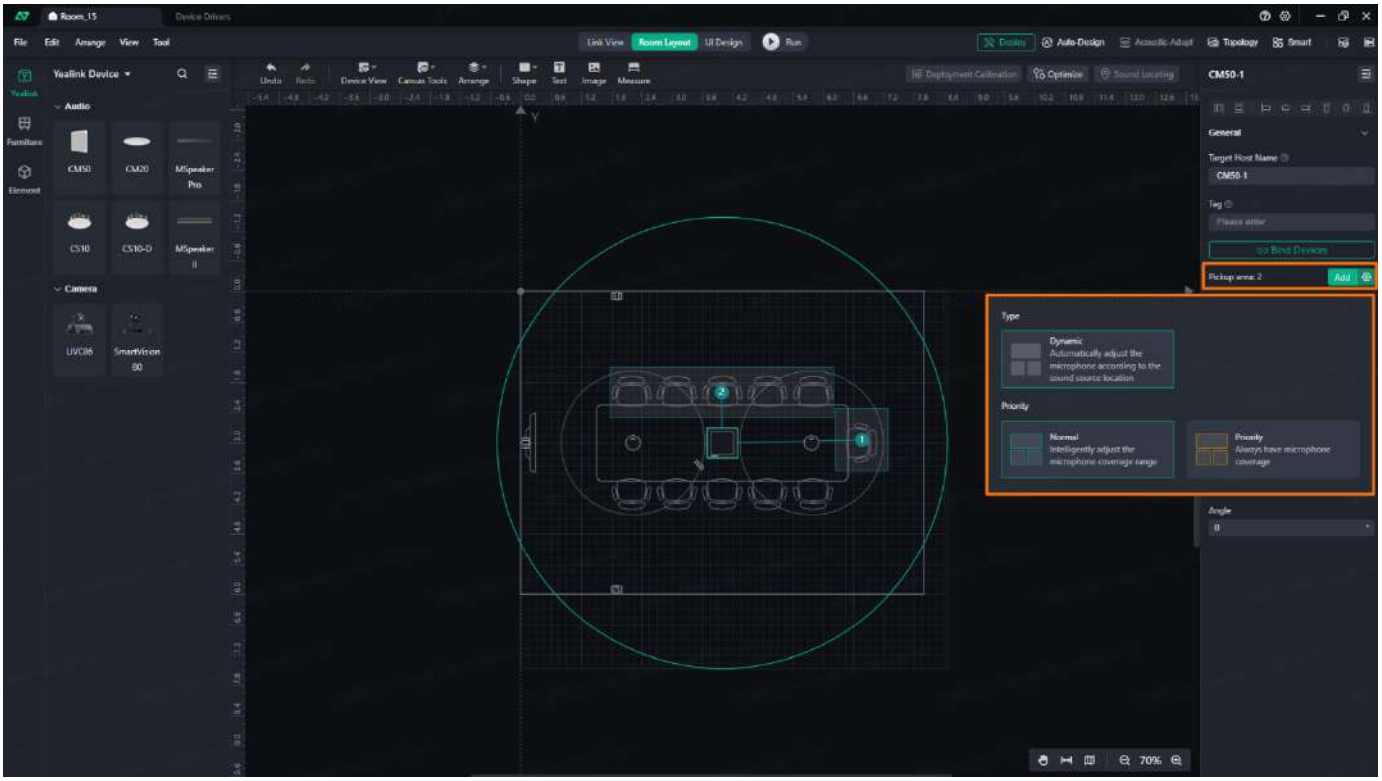
Using the Auto-Design feature will automatically generate the device space design. You can go to Room Layout to adjust the microphone positions and coverage areas according to your needs.

1. Click **Room Layout** at the top of the Designer.
2. In the center canvas, click the desired device, then press and hold the left mouse button while dragging the mouse to move the device to the desired position.



The CM50 automatically generates a dynamic pickup area of 10m x 10m. Any talker inside has coverage, and anything outside that area won't be picked up.

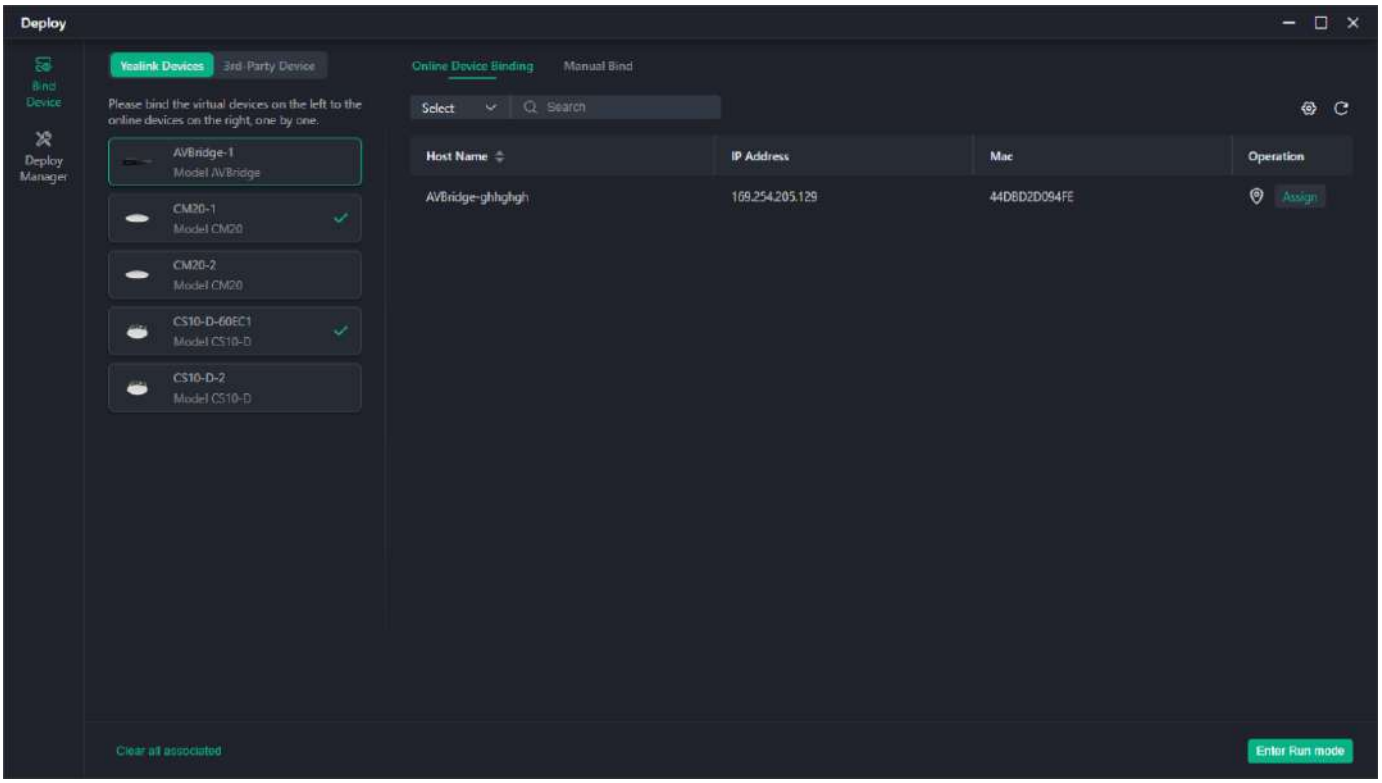
1. Under the **Room Layout**, click the desired device, then click **Add** next to the **pickup area** field on the right panel to add a pickup area. You can add up to 8 pickup areas.
2. Move and resize as needed. For more information, please refer to: Yealink CM50 Customized Pickup Areas.



Step 4: Associate with Online Devices

After adding devices to your design, routing, and configuring your audio coverage, you can deploy your design to push the settings to online devices.

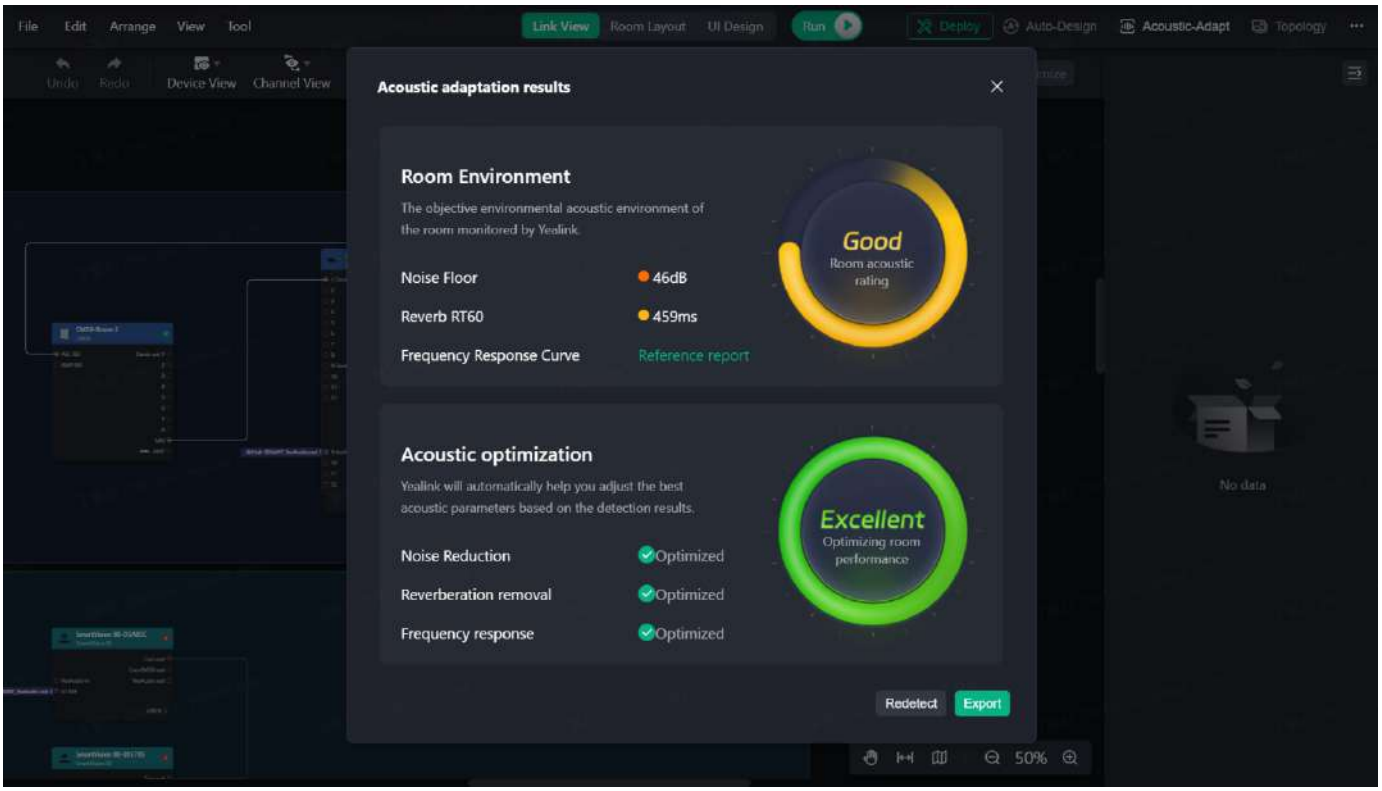
1. Click **Deploy** at the top of Designer.
2. In the online device list, click **Bind** to associate the device from your design with the online device.
3. Once the association is complete, click **Enter Run Mode** to automatically connect with the online device and sync the configuration.



Step 5: Listen and Debug

You can fine-tune the audio parameters of the AP08 based on the actual meeting room environment. The easiest way to do this is by using the acoustic auto-adapt feature. Based on a series of measurements conducted in the space, we will determine the room performance rating and optimize the audio parameters of the system using these measurement results to achieve the best performance in the deployed acoustic environment.

1. Under the **Run mode**, click **Acoustic-Adapt** at the top of Designer. This feature can automatically and smartly adjust the acoustic parameters, such as reverberation level and PEQ. The settings you set will be changed.
2. Select the device you need to detect and click **Start Diagnose**. You can get a report that details the space's acoustic performance.



You can perform remote testing, listen to the audio from local devices, and adjust the sound as needed.

1. Under the **Design Mode**/**Run Mode**, double-click the AVBridge to go to the page to set the device's acoustic parameters. For details on the audio parameters adjustable by the AVBridge, please refer to: Voice Adjustment Modules.