

Yealink RoomConnect User GuideV1.0

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Introduction

Yealink RoomConnect is a software that runs on your mini-PC. It can automatically identify MShare, camera and audio devices connected to the MVC system and provide camera management and other advanced settings.

Using Yealink RoomConnect needs to sign into the windows system with the administrator privilege. You can manage the camera devices directly and locally. The Yealink RoomConnect also supports device management for all devices in the MVC conference rooms, including the unified management of UVC camera, mini-PC, VCM34, CPW90, MTouch, as well as diagnosis and alarm after connecting to the Yealink Management Cloud Service or Yealink Device Management Platform.

Yealink RoomConnect has been installed on the mini-PC by default and can be updated via windows update.

Before You Begin

Only administrators have permission to use Yealink RoomConnect to manage the camera and audio devices for the MVC system. After signing in as an administrator, you can set preset positions and specify the advanced settings for your camera locally. In addition, you can check the version of your connected devices.

If you want to efficiently realize centralized management for Yealink devices and to monitor and diagnose the device, you need to log into the Yealink Management Cloud Service or Yealink Device Management Platform.

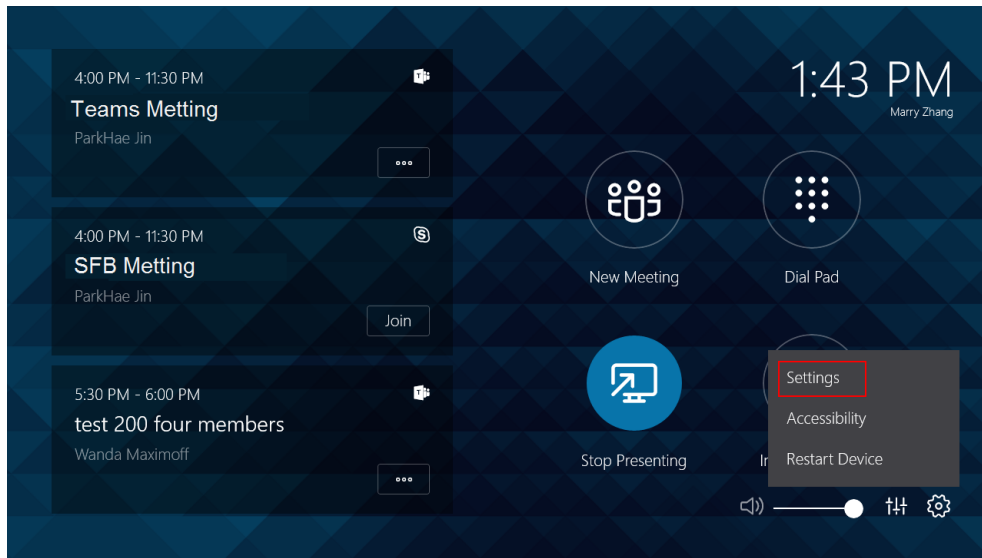
- [Administrator Sign-in](#)
- [Accessing the Yealink RoomConnect](#)
- [Logging into Yealink Management Cloud Service/Yealink Device Management Platform](#)

Administrator Sign-in

Skype user account is the default account from which the Microsoft Teams Rooms app runs. Only after you switch to administrator account can you use the Yealink RoomConnect.

Procedure

1. Navigate to  > **Settings**.



2. Enter the administrator password (default: sfb) to access the **Setup** screen.
3. Navigate to **Windows Settings > Go to Admin Sign-in**.
4. Select **Administrator** from the bottom-left corner.
5. Enter the administrator password (default: sfb) and then sign in.

The mini-PC will return to the Windows operation interface.

Accessing the Yealink RoomConnect

Procedure

1. Sign in your MVC system as an administrator.
2. On the Windows operation interface, run the **Yealink RoomConnect**.
3. If you access the **Yealink RoomConnect** for the first time, tap **Skip** to access to the user interface directly or register to Yealink Management Cloud Service or Yealink Device Management Platform to manage the devices.

Related tasks

[Administrator Sign-in](#)

[Logging into Yealink Management Cloud Service/Yealink Device Management Platform](#)

Logging into Yealink Management Cloud Service/Yealink Device Management Platform

Procedure

1. Tap **Remote Management** on the **Other Features** field.
2. Select a desired login type.
3. Depend on your choice:

- If you select **Yealink Management Cloud Service**, enter the enterprise ID.

The enterprise ID can be obtained from the **Account Settings** on your Yealink Management Cloud Service.

- If you select **Yealink Device Management Platform**, enter the server address.

4. Enter your meeting room.
5. Select the desired device model.
6. Tap **Register**.

The MVC system will connect to the Yealink Management Cloud Service/Yealink Device Management Platform.

Managing Cameras

The Yealink RoomConnect automatically detect the camera once the camera is connected to the MVC system. With PTZ camera, you can set up preset positions so that you can quickly point the camera to the pre-defined location during meetings.

In addition, you can check the status of your camera and adjust exposure, graphics, white balance, hangup mode and camera pan direction for your camera.

- [*Preset Position*](#)
- [*Exposure*](#)
- [*Adjusting Graphics*](#)
- [*Adjusting the White Balance Mode*](#)
- [*Configuring the Hangup Mode*](#)
- [*Configuring the Camera Pan Direction*](#)
- [*Checking the Status of Your Camera Devices*](#)

Preset Position



Presets specify the settings of both the angle and the focal length for the camera that can be used to quickly point a camera at a pre-defined location. The camera presets can remain in effect until you change them.

- [*Creating the Camera Presets*](#)
- [*Updating Camera Presets*](#)
- [*Removing a Camera Preset*](#)
- [*Clearing All Camera Presets*](#)

Creating the Camera Presets

Camera Presets is to save time by instantly recall your camera settings in advance to get the image of the corresponding position captured by the camera. You can create up to 9 preset positions for the Microsoft Teams Rooms System.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Select **Preset Position**.
3. Tap the navigation keys to adjust the camera angle.
4. Tap  or  to adjust the focal length.
5. Tap **New Preset** to create a new preset.

Updating Camera Presets


Once the camera is moved to a new location, you can update the presets to obtain new image. All the presets are updated once you tapping **Update**.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Select **Preset Position**.
3. Tap **Update** to update the presets.

Removing a Camera Preset

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Select **Preset Position**.
3. Tap  at the top-right of the desired preset.
It prompts that if you are sure to delete the preset.
4. Select **OK**.

Clearing All Camera Presets

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Select **Preset Position**.
3. Tap **Clear**.
It prompts that if you are sure to clear the preset positions.
4. Confirm the action.

Exposure

- [Configuring Auto Exposure Mode](#)
- [Configuring Manual Exposure Mode](#)
- [Configuring the Mode of Shutter Priority](#)
- [Configuring the Mode of Aperture Priority](#)
- [Configuring the Mode of Brightness Priority](#)

Configuring Auto Exposure Mode

The goal of auto-exposure is to achieve desired brightness level, or so-called target brightness level in different lighting conditions and scenes, so that the videos or images captured are neither too dark nor too bright.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Exposure**.
3. Select **Auto Exposure** from the **Exposure mode** drop-down menu.
4. Configure the following settings:

Parameter	Description
Exposure Compensation	<p>Configure the value of exposure compensation.</p> <p>The exposure compensation is used to alter exposure from the value selected by the camera when the camera is shooting in a backlight environment. If the environment light is dark, you can increase the compensation value.</p> <p>Valid value: from -6 to 6. Default: 0.</p>
Flicker	<p>Configure the value of the camera flicker frequency.</p> <p>The supported types are as follows:</p> <ul style="list-style-type: none"> • 50 Hz • 60 Hz <p>The indoor lights powered by a 50Hz or 60Hz power source may produce a flicker. You can adjust the camera flicker frequency according to the power source that the light is powered by.</p> <p>Default: 50 Hz.</p>
Gain Limit	<p>Specify the value of gain limit.</p> <p>Valid value: 1 - 15. Default: 4.</p>

Parameter	Description
Wide Dynamic Range	<p>Specify the WDR. The value represents the compression degree of the dynamic range.</p> <p>Cameras with WDR technology can work perfectly both in the bright and the dark environments and present clear images that is balanced with different lighting, so that you can identify the details.</p> <ul style="list-style-type: none"> • Off-do not use WDR. • 1~5 <p>Default: 2.</p>
Metering	<p>Configure the value of metering.</p> <ul style="list-style-type: none"> • Average • Central • Bottom • Top <p>Default: Average.</p>

5. Save the change.

Configuring Manual Exposure Mode

Manual exposure mode allows you to achieve a combined exposure of the camera's aperture size and shutter speed.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Exposure**.
3. Select **Manual Exposure** from the **Exposure mode** drop-down menu.
4. Configure the following settings:

Parameter	Description
Aperture	<p>Configure the value of aperture.</p> <ul style="list-style-type: none"> • Close • F1.6, F2.0, F2.4, F2.8, F3.4, F4, F4.8, F5.6, F6.8, F8, F9.6, F11, F14 <p>Default: F5.6.</p>
Shutter	<p>Configure the value of the shutter.</p> <p>Value: 1/60, 1/90, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/725 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000</p> <p>Default: 1/100.</p>
Gain	<p>Specify the value.</p> <p>Valid value: 1 - 15. Default: 2.</p>
Wide Dynamic Range	<p>Specify the WDR. The value represents the compression degree of the dynamic range.</p> <p>Cameras with WDR technology can work perfectly both in the bright and the dark environments and present clear images that is balanced with different lighting, so that you can identify the details.</p> <ul style="list-style-type: none"> • Off-do not use WDR. • 1~5 <p>Default: 2.</p>

5. Save the change.

Configuring the Mode of Shutter Priority

Shutter priority allows you to choose a specific shutter speed while the camera adjusts the aperture to ensure adequate exposure.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.

2. Navigate to **Advanced Settings > Exposure**.
3. Select **Shutter Priority** from the **Exposure mode** drop-down menu.
4. Configure the following settings:

Parameter	Description
Shutter	<p>Configure the value of the shutter.</p> <p>Valid Value: 1/60, 1/90, 1/100, 1/125, 1/180, 1/250, 1/350/ 1/500, 1/725/, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000</p> <p>Default: 1/100.</p>
Exposure Compensation	<p>Configure the value of exposure compensation.</p> <p>The exposure compensation is used to compensate the camera effectively when the camera is shooting in a backlight environment. If the environment light is dark, you can increase the compensation value.</p> <p>Valid value: from -6 to 6. Default: 0.</p>
Gain Limit	<p>Specify the value.</p> <p>Valid value: from 1 to 15. Default: 4.</p>
Wide Dynamic Range	<p>Specify the WDR. The value represents the compression degree of the dynamic range.</p> <p>Cameras with WDR technology can work perfectly both in the bright and the dark environments and present clear images that is balanced with different lighting, so that you can identify the details.</p> <ul style="list-style-type: none"> • Off-do not use WDR. • 1~5 <p>Default: 2.</p>

Parameter	Description
Photometry	<p>Configure the value of photometry.</p> <ul style="list-style-type: none"> • Average • Central • Bottom • Top <p>Default: Average.</p>

5. Save the change.

Configuring the Mode of Aperture Priority

Aperture priority allows you to set a specific aperture value while the camera selects a shutter speed to match it that will result in proper exposure based on the lighting conditions as measured by the camera's light meter.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Exposure**.
3. Select **Aperture Priority** from the **Exposure mode** drop-down menu.
4. Configure the following settings:

Parameter	Description
Aperture	<p>Disable aperture or set the desired value.</p> <p>Value: F1.6, F2.0, F2.4, F2.8, F3.4, F4.0, F4.8, F5.6, F6.8, F8, F9.6, F11, F14 and Close</p> <p>Default: F5.6.</p>

Parameter	Description
Exposure Compensation	<p>Configure the value of exposure compensation.</p> <p>The exposure compensation is used to alter exposure from the value selected by the camera when the camera is shooting in a backlight environment. If the environment light is dark, you can increase the compensation value.</p> <p>Valid value: from -6 to 6. Default: 0.</p>
Flicker	<p>Disable the flicker or configure the value of camera flicker frequency.</p> <p>Frequency:</p> <ul style="list-style-type: none"> • 50 Hz • 60 Hz <p>The indoor lights powered by a 50Hz or 60Hz power source may produce a flicker. You can adjust the camera flicker frequency according to the power source that the light is powered by.</p> <p>Default: 50 Hz.</p>
Gain Limit	<p>Specify the value.</p> <p>Valid value: from 1 to 15. Default: 4.</p>
Wide Dynamic Range	<p>Specify the WDR. The value represents the compression degree of the dynamic range.</p> <p>Cameras with WDR technology can work perfectly both in the bright and the dark environments and present clear images that is balanced with different lighting, so that you can identify the details.</p> <ul style="list-style-type: none"> • Off-do not use WDR. • 1~5 <p>Default: 2.</p>

Parameter	Description
Photometry	<p>Configure the value of photometry.</p> <ul style="list-style-type: none"> • Average • Central • Bottom • Top <p>Default: Average.</p>

5. Save the change.

Configuring the Mode of Brightness Priority

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Exposure**.
3. Select **Brightness Priority** from the **Exposure mode** drop-down menu.
4. Configure the following settings:

Parameter	Description
Brightness	<p>Configure the value of brightness.</p> <p>Note: the valid value is from 0 to 14. Default: 6.</p>
Flicker	<p>Disable the flicker or configure the value of camera flicker frequency.</p> <p>Frequency:</p> <ul style="list-style-type: none"> • 50 Hz • 60 Hz <p>The indoor lights powered by a 50Hz or 60Hz power source may produce a flicker. You can adjust the camera flicker frequency according to the power source that the light is powered by.</p> <p>Default: 50 Hz.</p>

Parameter	Description
Wide Dynamic Range	<p>Specify the WDR. The value represents the compression degree of the dynamic range.</p> <p>Cameras with WDR technology can work perfectly both in the bright and the dark environments and present clear images that is balanced with different lighting, so that you can identify the details.</p> <ul style="list-style-type: none"> • Off-do not use WDR. • 1~5 <p>Default: 2.</p>
Photometry	<p>Configure the value of photometry.</p> <ul style="list-style-type: none"> • Average • Central • Bottom • Top <p>Default: Average.</p>

5. Save the change.

Adjusting Graphics

To display the high quality video image, you can adjust the parameters of the camera graphics.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Graphics**.
3. Configure the following settings:

Parameter	Description
Display Mode	<p>Configure the display mode of the camera.</p> <ul style="list-style-type: none"> • High Definition • Standard • Mild • Custom <p>Default: Standard.</p>
Noise Reduction (2D)	<p>Specify the noise reduction (2D) mode.</p> <p>The available modes are described as below:</p> <ul style="list-style-type: none"> • Off • Low • Middle • High <p>Default: Middle.</p>
Noise Reduction (3D)	<p>Specify the noise reduction (3D) mode. It indicates the coefficient of the reduced noise in the image. The higher the coefficient is, the smaller the noise is.</p> <p>Valid value: from 0 to 22. Default: 3.</p>
Saturation	<p>Configure the saturation of the camera's image.</p> <p>The saturation means the maximum intensity of color in the image.</p> <p>Valid value: from 0 to 100. Default: 50.</p>

Parameter	Description
Sharpness	<p>Configure the sharpness of the camera's image.</p> <p>The sharpness is an indicator that reflects the definition of the image plane and the sharpness of image edge. Increasing the sharpness will improve the definition of the image. However, if the sharpness is set too high, the image will look distorted and glaring.</p> <p>Valid value: from 0 to 100. Default: 15.</p>
Brightness	<p>Configure the brightness of the camera's image.</p> <p>Valid value: from 0 to 100. Default: 50.</p>
Contrast	<p>Configure the contrast of the camera's image.</p> <p>Valid value: from 0 to 100. Default: 50.</p>

4. Save the change.

Adjusting the White Balance Mode

To display high quality video image, you can adjust camera white balance.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > White Balance**.
3. Select a desired mode from the **White Balance mode** drop-down.

Parameter	Description
Auto	Automatically adjust the white balance based on the room lighting conditions.
InDoor	/
OutDoor	/
OnePush	/

Parameter	Description
ATW	Automatically adjust the white balance according to the picture took by the camera.
Manual	Manually adjust the color temperature.
Color Temperature	<p>Configure the value of the color temperature.</p> <p>Note: the value is from 2800K to 6800K.</p> <p>The default value is the color temperature tested in the your current environment. You can set this parameter only when the white balance mode is configured to Manual.</p>

4. Save the change.

Configuring the Hangup Mode

Hangup mode enables or disables the camera to flip the image view when camera is hung up side down position. If this mode is enabled, the picture took by the camera is upside down. This mode is applicable to install the camera on the meeting room ceiling.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Other Settings**.
3. Turn on or off **Hangup mode**.
4. Save the change.

Configuring the Camera Pan Direction

You can set the camera pan direction to be normal or reversed. The camera reversed mode means that the camera pan direction will be reversed when tapping the left and right navigation keys.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Navigate to **Advanced Settings > Other Settings**.
3. Select a desired mode from the **Camera Pan Direction** drop-down menu.

4. Save the change.

Checking the Status of Your Camera Devices

You can view the firmware and hardware of the connected camera devices.

Procedure

1. Tap the desired UVC camera in the **Camera Device** field.
2. Select **Status**.

Managing Audio Devices

Yealink RoomConnect can automatically identify the connected VCM34 or CPW90 and you can view the status of them. For VCM34, you can check the firmware version and the number of the connected VCM34s. For CPW90, you can check the number of the connected CPW90s, IPEL, the register status and the working time and standby time.



Note: Before using the CPW90, you need to connect the DD10 to the camera. And the CPW90 and DD10 are paired by default.

- [Checking the Status of Your Audio](#)

Checking the Status of Your Audio

Procedure

Tap the desired audio device in the **Audio Device** field.

Managing MShare and Camera Plug-in

Yealink RoomConnect can automatically identify the connected MShare and set the password for the WiFi-AP. You can also check the status of MShare and built-in camera plug-in.

- [Changing the Wi-Fi AP password of MShare](#)
- [Checking the Status of MShare](#)
- [Checking the Status of Camera Plug-in](#)

Changing the Wi-Fi AP password of MShare

Procedure

1. Tap **MShare** in the **Other** field.
2. Navigate to **WiFi-AP > Password**.
3. Enter the password.
4. Save the change.

Checking the Status of MShare

You can view the firmware and hardware of the MShare.

Procedure

1. Tap **MShare** in the **Other** field.
2. Select **Status**.

Checking the Status of Camera Plug-in

You can view the software of the camera plug-in.

Procedure

Tap **Camera Plug-in** in the **Other** field.

Troubleshooting

This chapter helps you solve the problems you might encounter when using Yealink RoomConnect.

- [*Upgrading the Yealink RoomConnect*](#)
- [*Rebooting the Camera*](#)
- [*Resetting the Camera*](#)
- [*Rebooting the MShare*](#)
- [*Resetting the MShare*](#)
- [*Log Management*](#)
- [*Checking the Yealink RoomConnect Version and Operation System Version*](#)

Upgrading the Yealink RoomConnect


Yealink RoomConnect can be automatically upgraded via windows update by default. Otherwise, you should enable automatically windows update or upgrade the devices manually.

- [*Enabling Automatically Windows Update*](#)

- [Manually Windows Update](#)

Enabling Automatically Windows Update


Procedure

1. Tap the  button, and then go to **Settings > Upgrade & Security > Windows Update**, and select **Advanced options**.
2. Enable **Automatically download updates, even over metered data connections(charge may apply)**.

Manually Windows Update


Procedure

Do one of the following:

- Long tap the  button and then select **Device Manager**.

Select the desired device and then long tap the device to select **Update driver**.

Select a desired way to update.

- Tap the  button , and then go to **Settings > Upgrade & Security > Windows Update**, and select **Check for updates**.

Select the desired device and then complete the installation.

Rebooting the Camera

Procedure

1. Tap the desired UVC camera in the **Camera Device**.
2. Navigate to **Reboot and Reset > Reboot**.

It prompts that if you are sure to reboot.

3. Confirm the action.

Resetting the Camera

Procedure

1. Tap the desired UVC camera in the **Camera Device**.
2. Navigate to **Reboot and Reset > Reset**.

It prompts that if you are sure to reset.

3. Confirm the action.

Rebooting the MShare

Procedure

1. Tap **MShare** in the **Other** field.
2. Navigate to **Setting > Reboot and Reset > Reboot**.

It prompts that if you are sure to reboot.

3. Confirm the action.

Resetting the MShare

Procedure

1. Tap **MShare** in the **Other** field.
2. Navigate to **Setting > Reboot and Reset > Reset**.

It prompts that if you are sure to reset.

3. Confirm the action.

Log Management

Logs record events or errors that occur in your devices. To help you learn more about what's happening within your devices, Yealink RoomConnect provides logging services that allow you to export log messages to local files.

- [Exporting Logs](#)

Exporting Logs

Procedure

1. Tap **Log Management** in the **Other Features** field.
2. Select the desired devices to export the log of the corresponding devices or **Select all** to export the log of all connected devices.
3. Tap **Export log** from the top-right corner, and then save the file to your local mini-PC.

Checking the Yealink RoomConnect Version and Operation System Version

Procedure

1. Tap **About** in the **Other Features** field.