

Deployment and Connection

Package Contents

- CM20
- White&Black Mesh Cover: You can choose according to the style of your conference room.
- Deployment Instruction Template (Standard): Used to assist in drilling holes in the ceiling
- Assembly Fixing Bracket (Standard): Used to balance the pressure of the equipment on the ceiling panel, providing better sound performance
- Bracing Bridge (Standard): Used to distribute the pressure of the ceiling board and transfer the pressure to the ceiling framework.
- Dust cover (Standard): Used for ceiling-mounted fixed equipment and dust prevention.
- 5 dust cover screws, 20 bracing bridge crews (Standard).
- Multilingual user manual (Standard): English, French, German, Spanish, Chinese.
- Suspend Pole Adapter + Length-Adjustable Pole (Optional): Used for hoisting.
- Suspension Rope Assembly.
- On-Ceiling Components (Optional).
- Expansion screws and nuts (Optional).

Method 1: In-Ceiling Deployment without Bracing Bridge

Introduction

This installation method is suitable for removable ceiling structures. Generally, such ceilings consist of a framework and ceiling panels. In this situation, you can use the assembly fixing bracket to deploy CM20.

Precautions before Installation

Before installation, there are some important points you need to know about the installation process, so that you can better adapt to your ceiling.

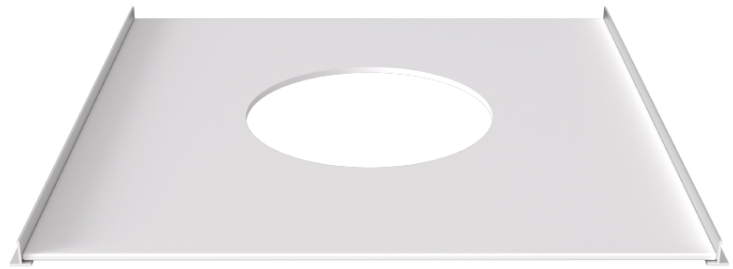
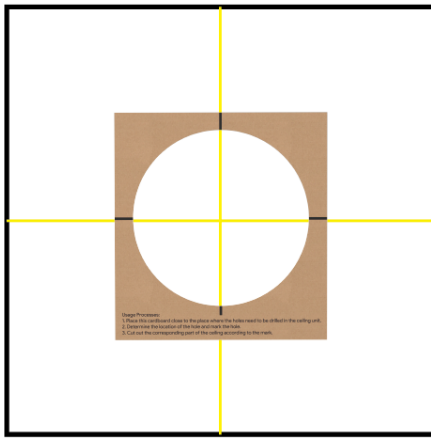
Item	Description
Ceiling Installation Guidelines	If your ceiling meets the following requirements, you can use the assembly fixing bracket to deploy devices: • Removable ceiling panel.

	• The ceiling thickness should not exceed 3.5 cm. • Your ceiling's load-bearing capacity needs to be greater than 1.38 kg.
Installation Location Recommendation	• Installation position: It is recommended to use the Yealink deployment tool. • Installation height: Refer to the Yealink Microphone Coverage Area to determine the installation height.
Security Operation Recommendations	The installation of CM20 requires a certain level of professional expertise, so it is recommended to entrust the operation to professional installation workers as much as possible. If you choose to install it yourself, make sure that you have someone assist you.
Preparation before Installation	• Professional ceiling installation tools, including but not limited to ladders, power screwdrivers, etc. (to be provided by user). • CM20 ($\Phi 223.6 \times H83.0$ mm / $\Phi 8.803 \times H3.267$ in, 0.615 kg). • Assembly Fixing Bracket (Standard): Used to balance the pressure of the equipment on the ceiling panel. • Deployment Instruction Template (Standard). • Allocate a network port in the ceiling for connecting the CM20; ensure that the network cable is Cat5e or higher. • Magnetic suction net cover (white, black). • Installation instructions.

Installation Steps

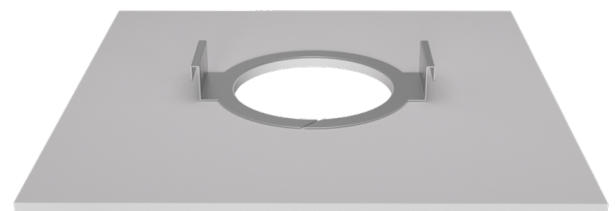
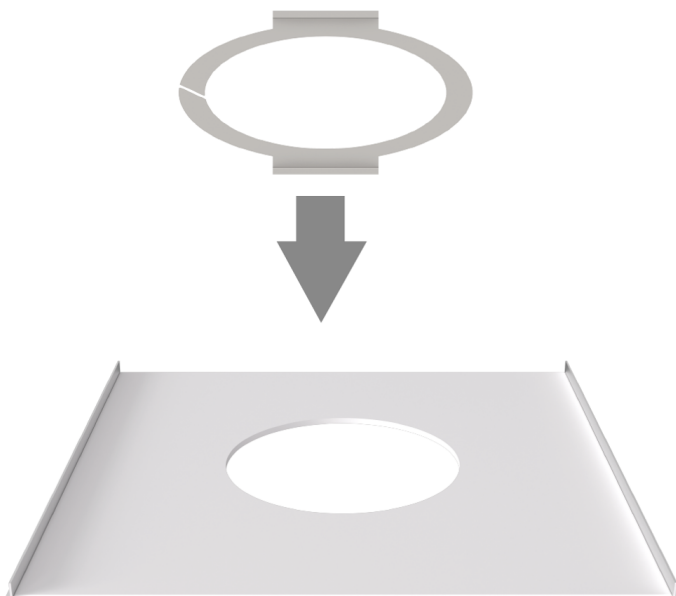
1. Drill holes in the ceiling.

- a. Find the cardboard for auxiliary punching in the product packaging.
- b. Use a marker to draw guidelines on the back of the ceiling panel (taking gypsum board as an example, the operation steps will not change for other materials). The guidelines should be drawn from the midpoint of the length and width of the gypsum board, connecting to form a cross.
- c. Align the guidelines on the cardboard with the guidelines on the plasterboard.
- d. Drill holes in the ceiling.



- ! 1. When drilling holes, please make sure that you do a good job of safety protection, or have a professional operate.
- 2. Please note that the method shown below is a recommended installation method. You can perform the installation actions according to your actual situation, ensuring that the final installation is stable and secure. The specific process does not have strict sequential restrictions.
- 3. Opening diameter: 200-205 mm; Opening depth: 80 mm.

2. Put the assembly fixing bracket on the back of the ceiling panel.



3. Put the ceiling panel with the holes back in place.

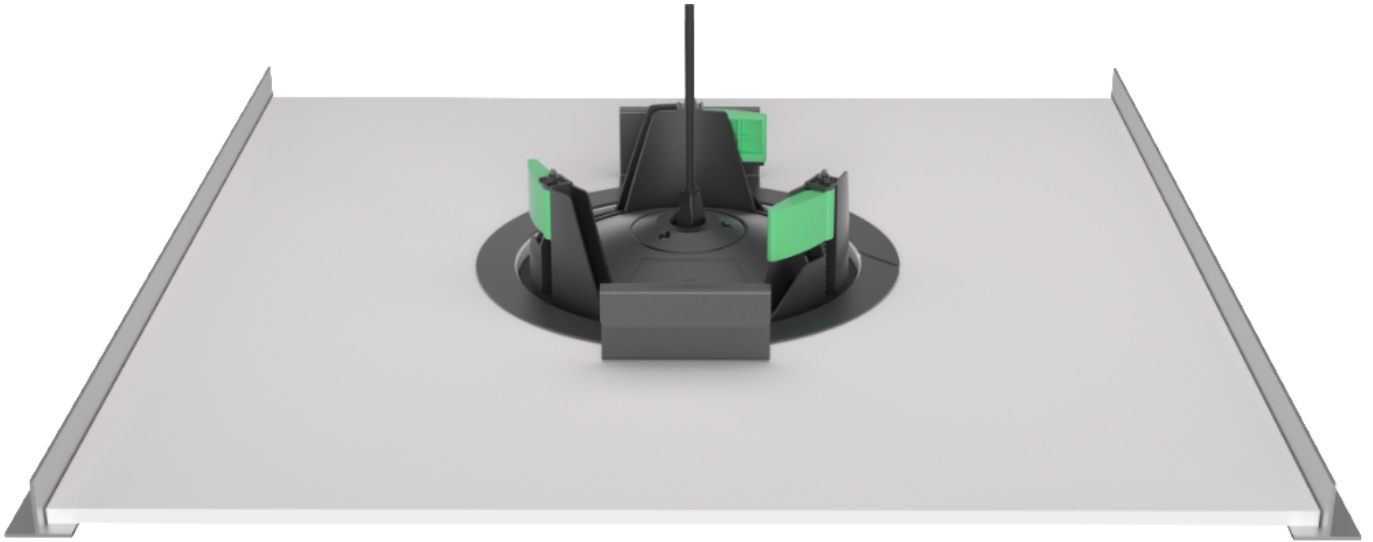
- ! The assembly fixing bracket needs to be placed on the back of the ceiling panel to serve as a pressure distribution. Therefore, you need to put the ceiling panel and assembly fixing bracket

back in place at the same time.

4. Extend the network cable from the pre-drilled hole in the suspended ceiling panel, connect the cable to the CM20 network port, and install the dust cover (CM20 has not been pushed into the ceiling yet).

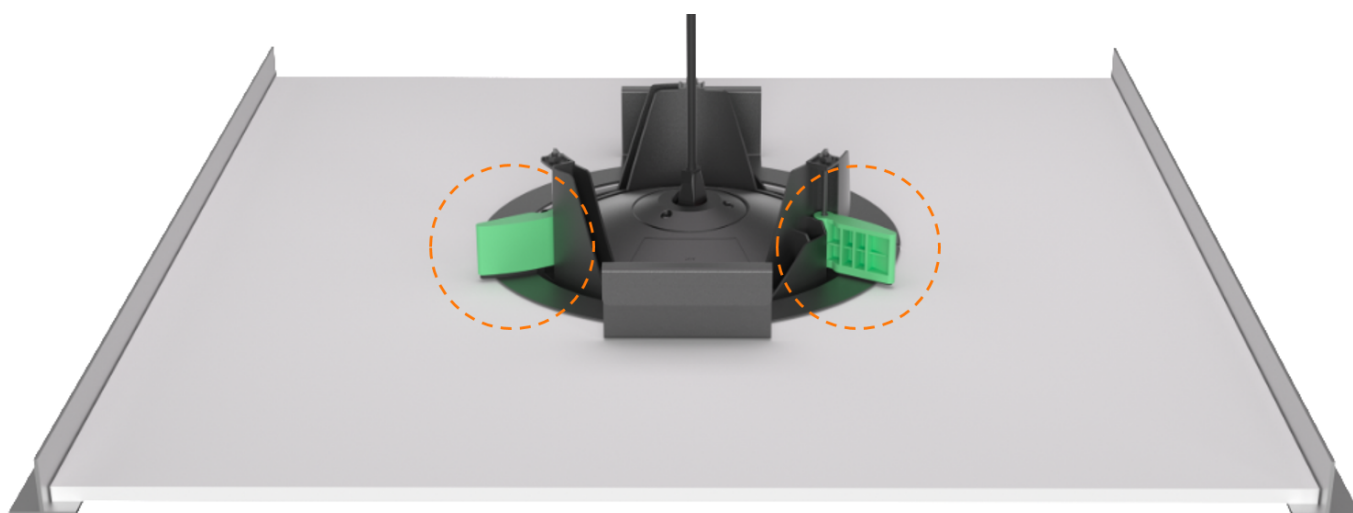
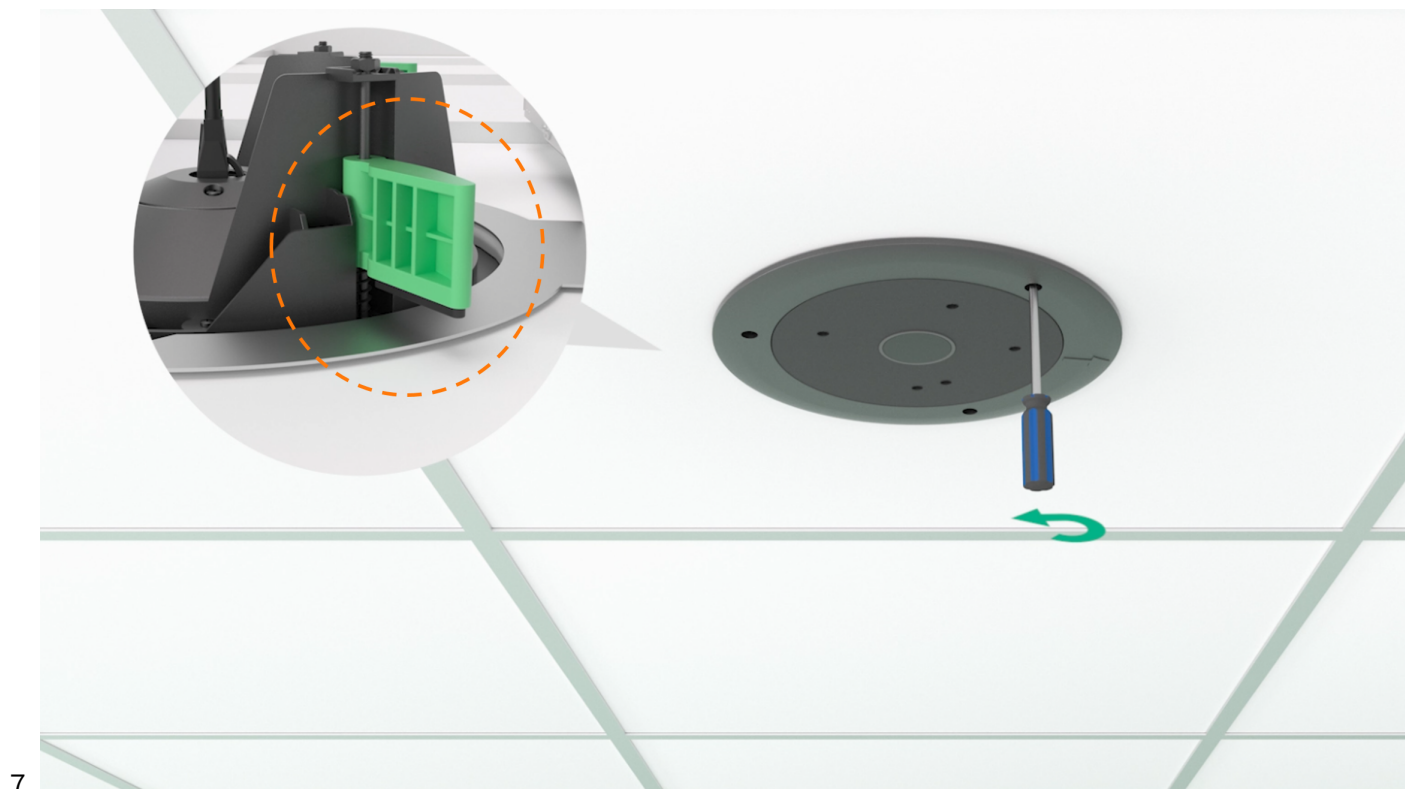
💡 The device needs to be powered by PoE+.

5. Push CM20 into the hole.



💡 Please ensure there is someone nearby to assist during installation as pushing the device in will not automatically lock it in place. Please keep it lifted to prevent the device from falling.

6. Use a screwdriver to rotate the front screw, causing the support arm to open and lower until the support arm is flush with the ring on the support frame.



! Do not overtighten the screws. Make sure the support foot fits snugly with the ring.

7. Attach the white or black magnetic mesh cover.



Method 2: In-Ceiling Deployment with Bracing Bridge

Introduction

This installation method is suitable for removable ceiling structures. Generally, such ceilings consist of a framework and ceiling panels. In this situation, it requires the use of bracing bridges to assist in securing the equipment.

Precautions before Installation

Before installation, there are some important points you need to know about the installation process, so that you can better adapt to your ceiling.

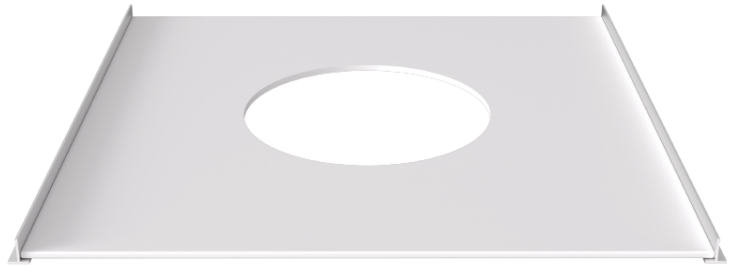
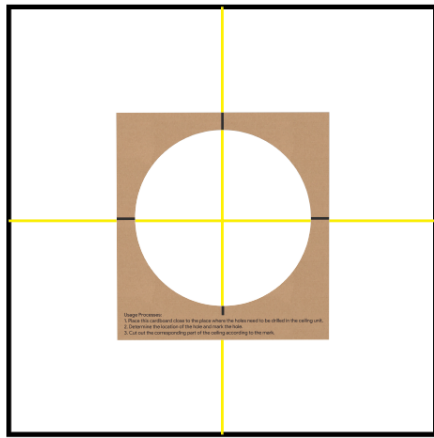
Item	Description
Ceiling Installation Guidelines	If your ceiling meets the following requirements, you can use the bracing bridge to deploy devices: • Removable ceiling panel. • The ceiling thickness should not exceed 3.5 cm. • The ceiling load capacity is less than or equal to 1.38 kg, and the ceiling frame load capacity is greater than 2.8 kg. • The bracing bridges default to supporting two specifications: 400-438 mm and 600-638 mm. Make sure that the width of the ceiling frame is compatible. • The T-shaped ceiling framework can accommodate slot heights of 22 mm, 24 mm, 32 mm, and 38 mm.

	The triangular keel models are 90-sided, 100-sided, and 120-sided; with upper edge dimensions of 25 mm, 30 mm, and 35 mm.
Installation Location Recommendation	- Installation position: It is recommended to use the Yealink deployment tool. - Installation height: Refer to the Yealink Microphone Coverage Area to determine the installation height.
Security Operation Recommendations	The installation of CM20 requires a certain level of professional expertise, so it is recommended to entrust the operation to professional installation workers as much as possible. If you choose to install it yourself, make sure that you have someone assist you.
Preparation before Installation	- Professional ceiling installation tools, including but not limited to ladders, power screwdrivers, etc. (to be provided by user). - CM20 ($\Phi 223.6 \times H83.0$ mm / $\Phi 8.803 \times H3.267$ in, 0.615 kg). - Scalable bracket (Optional) + C-ring. - Deployment Instruction Template (Standard). - Ceiling reserved network interface for connecting CM20, Cat5e or higher specification network cable. - Magnetic suction net cover (white, black). - Installation instructions. - Safety rope (to be provided by user).

Installation Steps

1. Drill holes in the ceiling.

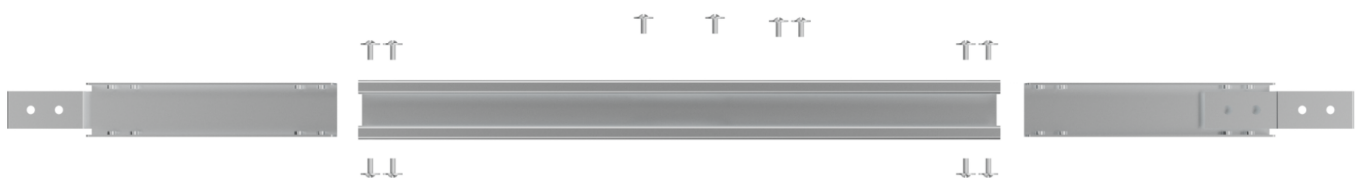
- a. Find the cardboard for auxiliary punching in the product packaging.
- b. Use a marker to draw guidelines on the back of the ceiling panel (taking gypsum board as an example, the operation steps will not change for other materials). The guidelines should be drawn at the key points of the length and width of the gypsum board and connected to form a cross.
- c. Align the guidelines on the cardboard with the guidelines on the plasterboard.
- d. Drill holes in the ceiling.



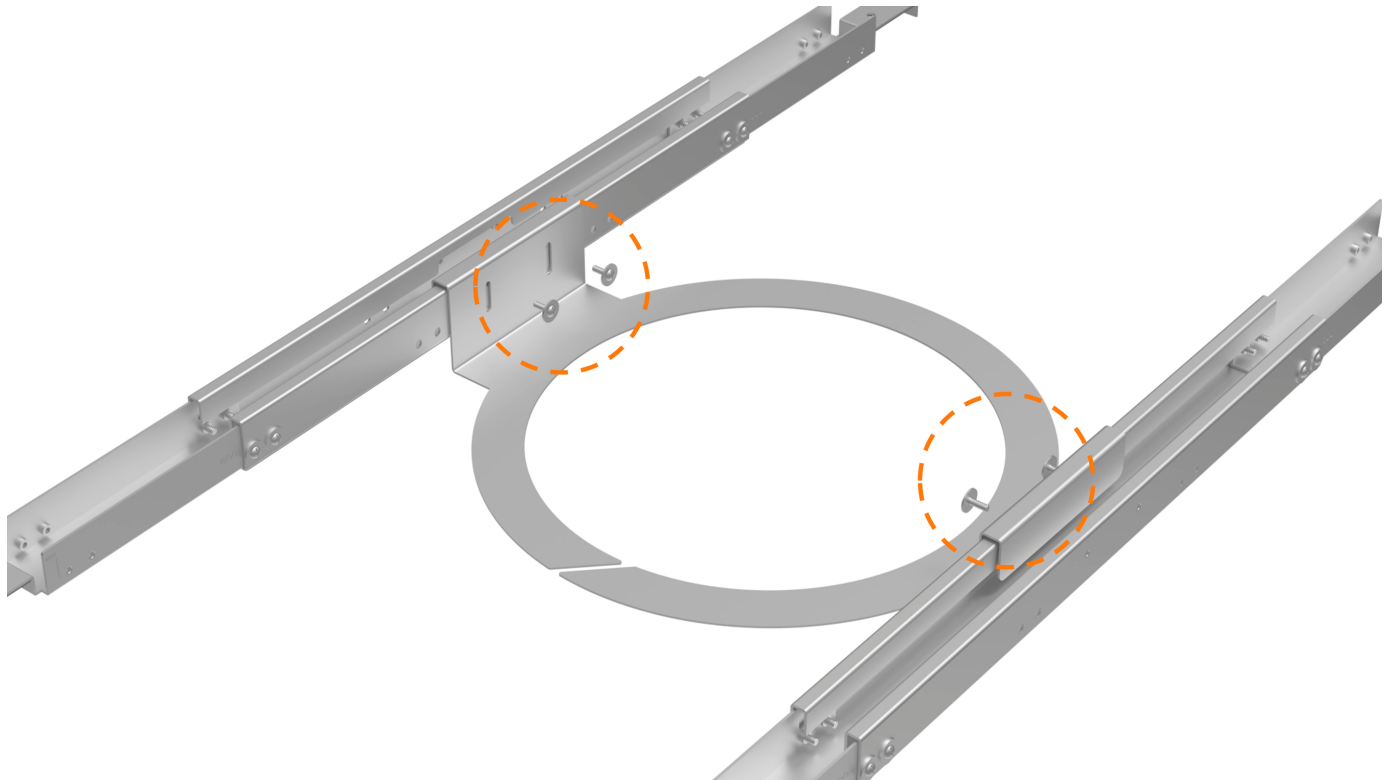
- ! 1. When drilling holes, please make sure that you do a good job of safety protection, or have a professional operate.
- 2. Please note that the method shown below is a recommended installation method. You can perform the installation actions according to your actual situation, ensuring that the final installation is stable and secure. The specific process does not have strict sequential restrictions.
- 3. Opening diameter: 200-205 mm; Opening depth: 80 mm.

2. Assemble the adjustable ceiling support bracket.

- You can assemble the bracket according to the specific size of your ceiling. The normal size of the ceiling is 400 x 400 mm or 600 x 600 mm. The following is a diagram of the composition of the bracing bridge:

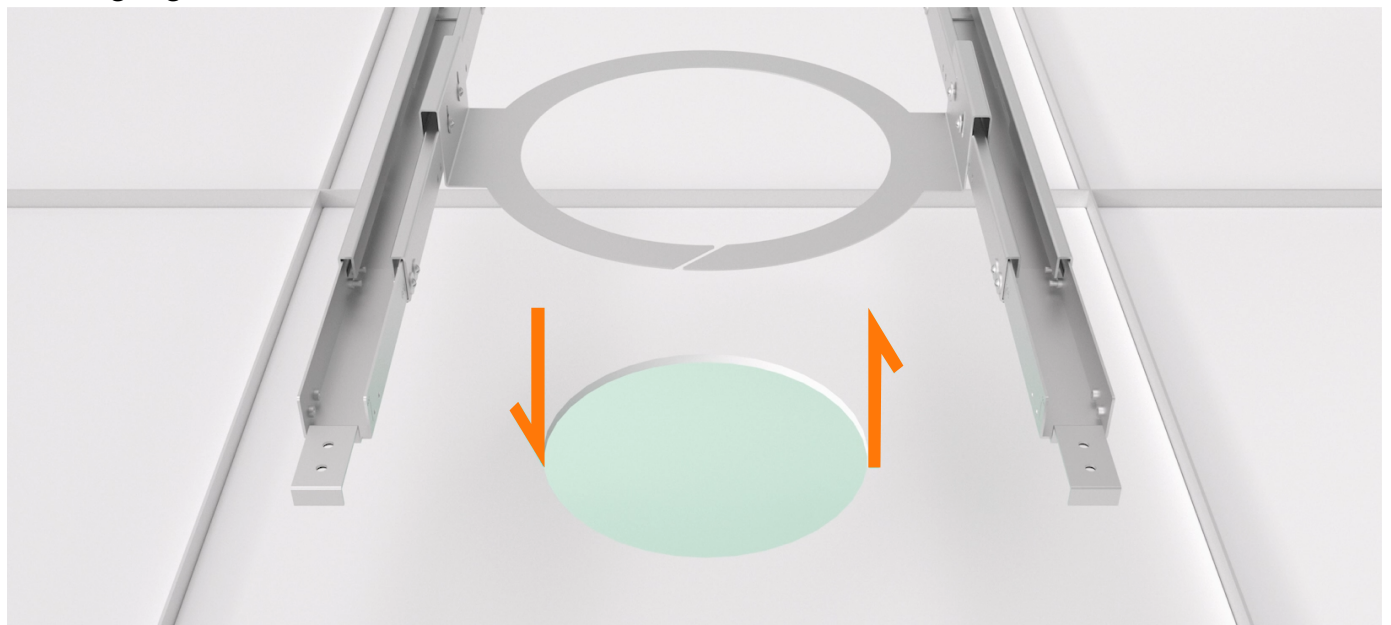


- Assemble the assembly fixing bracket and the bracing bridges as shown in the diagram below:



3. Push the bracing bridges and ceiling panel into the ceiling.

- If your ceiling panel is removable, you can directly remove the corresponding panel for drilling, and then install the assembly fixing bracket together with the ceiling panel into the ceiling, ensuring alignment with the hole.



- If your ceiling load capacity exceeds 1.38 kg and is removable, you can choose Method 1 for installation.
- If your ceiling panel cannot be removed (bearing capacity greater than 1.38 kg), you need to drill holes in the ceiling and screw the assembly fixing bracket into the ceiling.

! 1. You can choose to reposition the ceiling panel diagonally since the bracing bridges are not

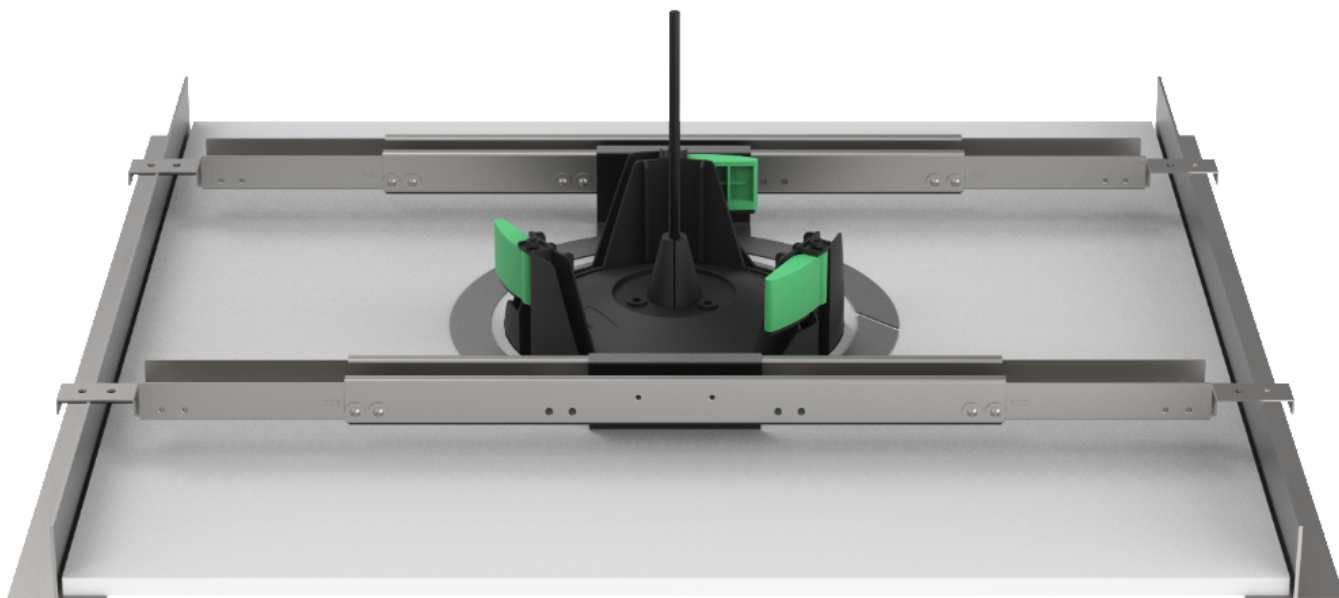
fixed, allowing temporary lifting.

2. Ensure to align the assembly fixing bracket with the hole to avoid affecting the installation effect.
3. This bracing bridge is compatible with common T-bar and triangular ceiling grids. To distinguish your ceiling grid, refer to **Notice on ceiling related content**.
4. If your ceiling uses triangular keel, please do not tighten the screws that connect the expandable bracket to the ceiling after putting it into the ceiling, so as to avoid being unable to install the ceiling panels and adjust the equipment later.

4. Plug the network cable into the CM20 network port (CM20 has not yet been pushed into the ceiling).

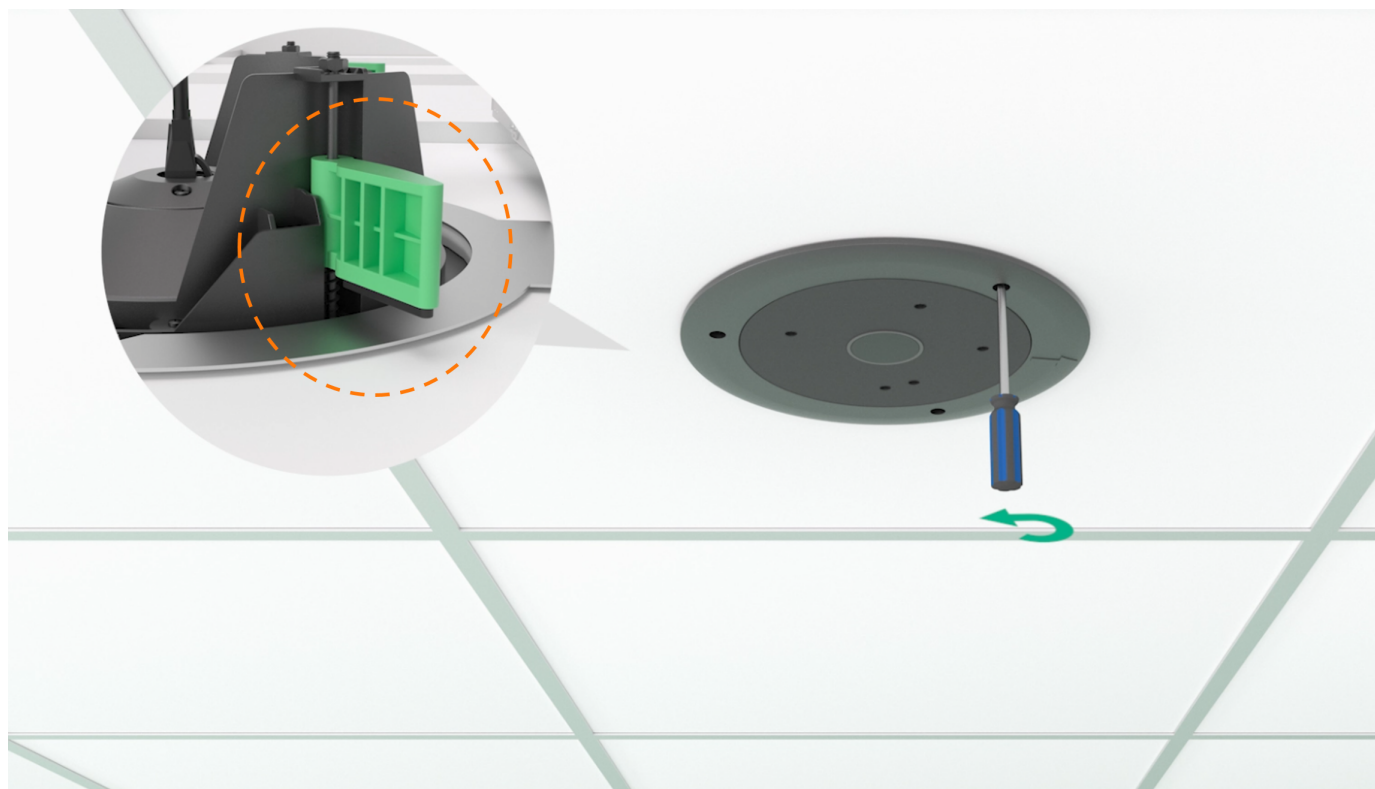
💡 The device needs to be powered by PoE+.

5. Push CM20 into the hole.



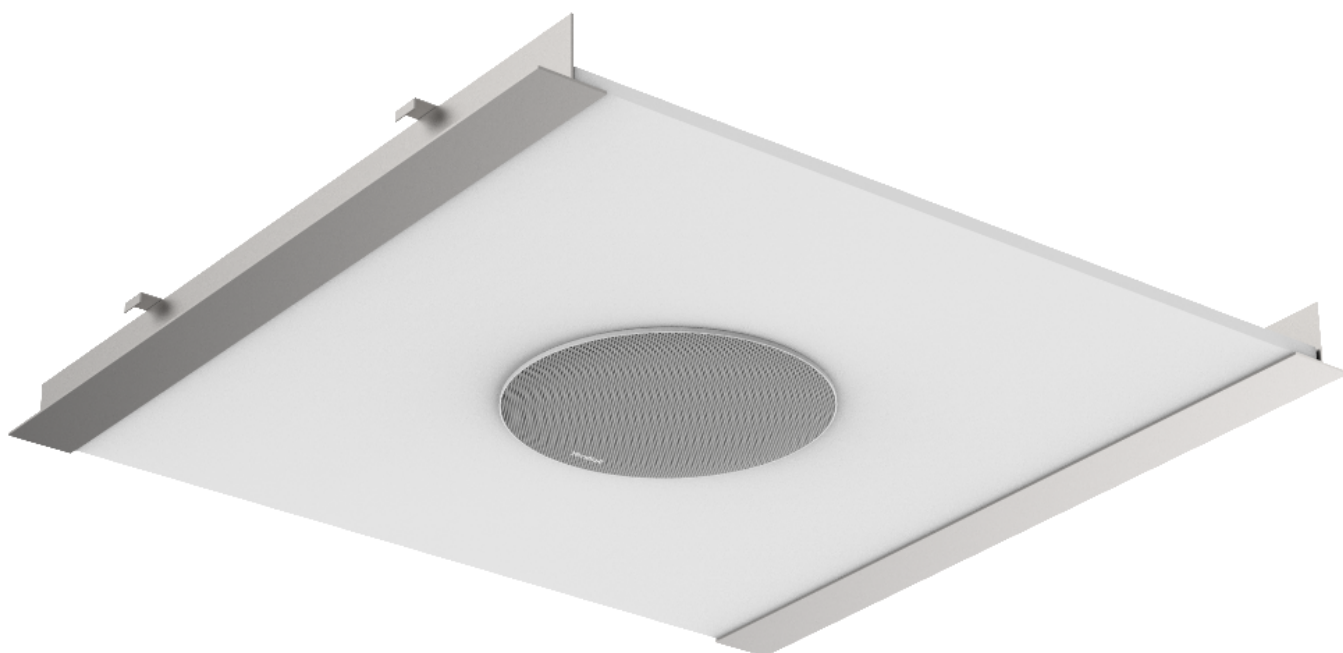
💡 Please ensure there is someone nearby to assist during installation as pushing the device in will not automatically lock it in place. Please keep it lifted to prevent the device from falling.

6. Use a screwdriver to rotate the front screw, causing the support arm to open and lower until the support arm is flush with the ring on the support frame.



! Do not overtighten the screws. Make sure the support foot fits snugly with the ring.

7. Attach the white or black magnetic mesh cover.



Method 3: Deployment with Suspension Rope

Introduction

You can deploy CM20 with the suspension rope.

Precautions before Installation

Before installation, there are some important points you need to know about the installation process, so that you can better adapt to your ceiling.

Item	Description
Ceiling Installation Guidelines	This installation method is suitable for removable ceilings and integrated ceilings, and requires drilling into your ceiling. • Integrated non-removable ceiling structures. • This installation method requires the use of expansion screws for additional fixation, which are included in the package. • Your ceiling's load-bearing capacity should be greater than 1 kg.
Installation Location Recommendation	• Installation position: It is recommended to use the Yealink deployment tool. • Installation height: Refer to the Yealink Microphone Coverage Area to determine the installation height.
Security Operation Recommendation	The installation of CM20 requires a certain level of professional expertise, so it is recommended to entrust the operation to professional installation workers as much as possible.

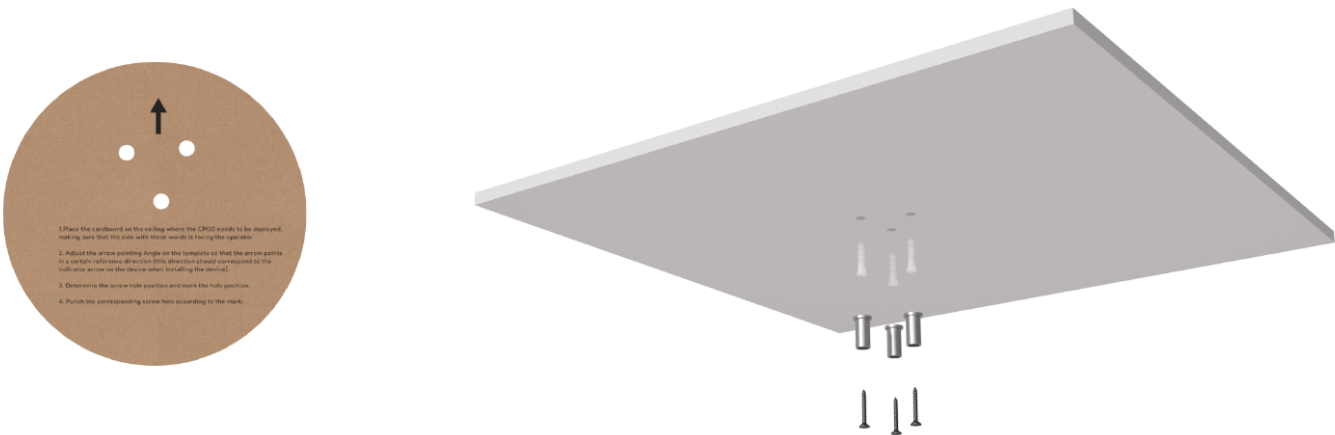
ions	If you choose to install it yourself, make sure that you have someone assist you.
Preparation before Installation	• Professional ceiling installation tools, including but not limited to ladders, power screwdrivers, etc. (to be provided by user). • CM20 ($\Phi 223.6 \times H83.0$ mm / $\Phi 8.803 \times H3.267$ in, 0.615 kg). • Suspension Rope Assembly (Optional). • Deployment Instruction Template (Standard). • Dust cover (standard configuration). • Ceiling reserved network interface for connecting CM20, Cat5e or higher specification network cable. • Magnetic suction net cover (white, black). • Installation instructions. Expansion screws and nuts (Optional).

Installation Steps

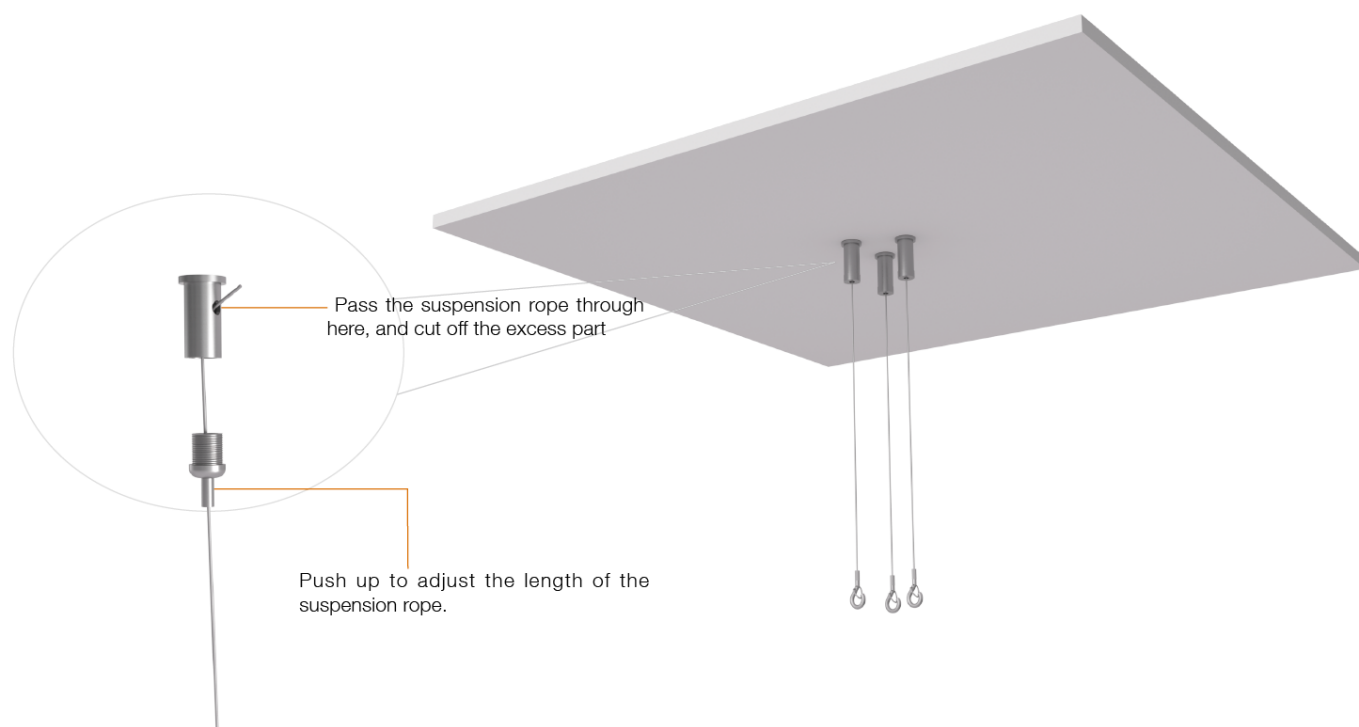
1. Use the deployment instruction template, drill holes at the appropriate locations and insert expansion nuts.

 Ensure that the arrows on the deployment instruction template are facing towards the front of the conference room.

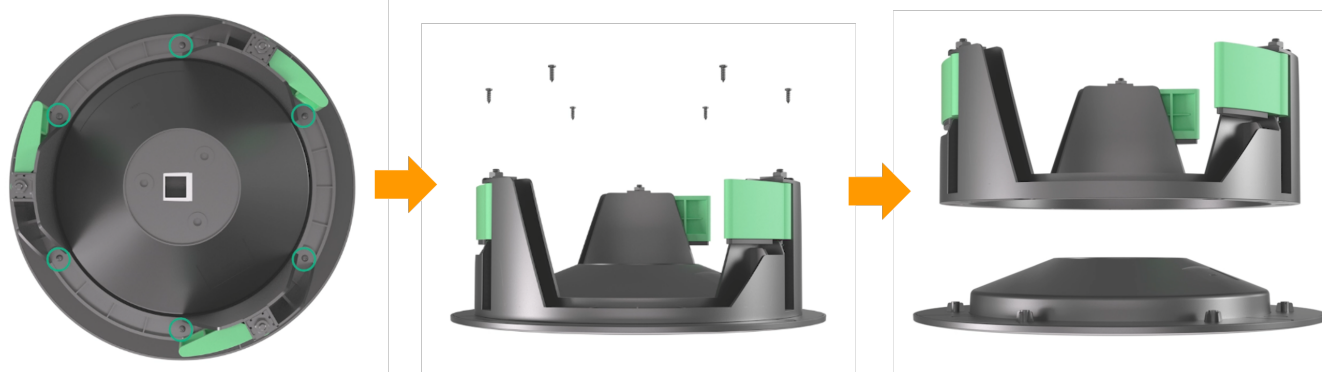
2. Use expansion screws to fix the wire lock to the expansion nut.



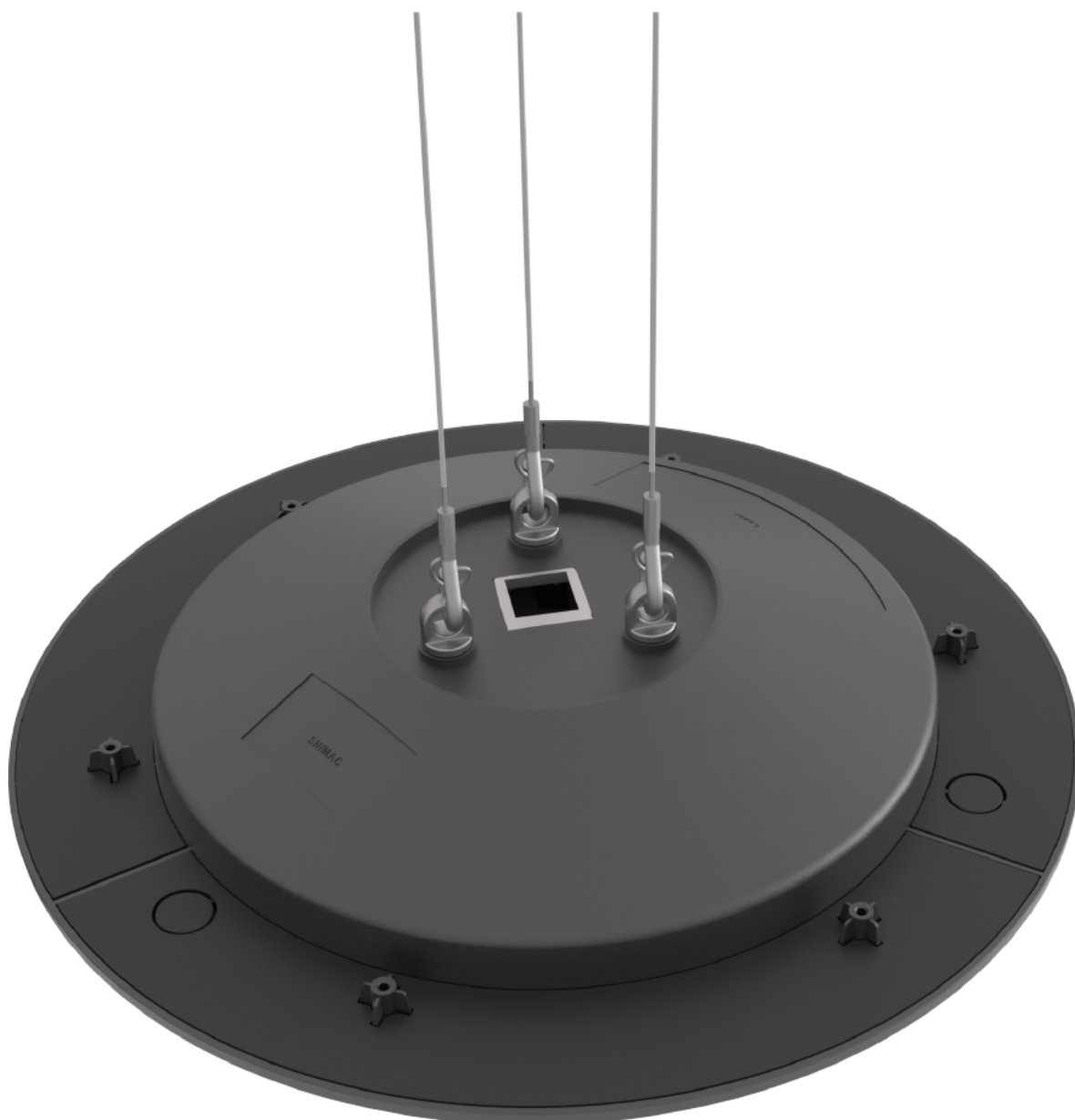
3. Thread the suspension rope through the wire lock and tighten the wire lock to the appropriate length.



4. Remove the bracket above the CM20.



5. Secure the copper pillar to the CM20 and hang the copper pillar on the hook of the suspension rope.



6. Plug the network cable into the CM20 network port.

7. Attach the white or black magnetic mesh cover.

Method 4: Deployment with On-ceiling Accessories

Introduction

You can deploy CM20 on the ceiling with on-ceiling accessories.

Precautions before Installation

Before installation, there are some important points you need to know about the installation process, so that you can better adapt to your ceiling.

Item	Description
Ceiling Installation	This installation method is suitable for removable ceilings and integrated ceilings, and requires drilling into your ceiling.

Guidelines	• Integrated non-removable ceiling structures. • This installation method requires the use of expansion screws for additional fixation, which are included in the package. • Your ceiling's load-bearing capacity should be greater than 1 kg.
Installation Location Recommendation	• Installation position: It is recommended to use the Yealink deployment tool. • Installation height: Refer to the Yealink Microphone Coverage Area to determine the installation height.
Security Operation Recommendations	The installation of CM20 requires a certain level of professional expertise, so it is recommended to entrust the operation to professional installation workers as much as possible. If you choose to install it yourself, make sure that you have someone assist you.
Preparation before Installation	• Professional ceiling installation tools, including but not limited to ladders, power screwdrivers, etc. (to be provided by user). • CM20 ($\Phi 223.6 \times H83.0$ mm / $\Phi 8.803 \times H3.267$ in, 0.615 kg). • On-ceiling Accessories (Optional): white mounting ring and black mounting base. • Dust cover (standard configuration). • Ceiling reserved network interface for connecting CM20, Cat5e or higher specification network cable. • Magnetic suction net cover (white, black). • Installation instructions.

Installation Steps

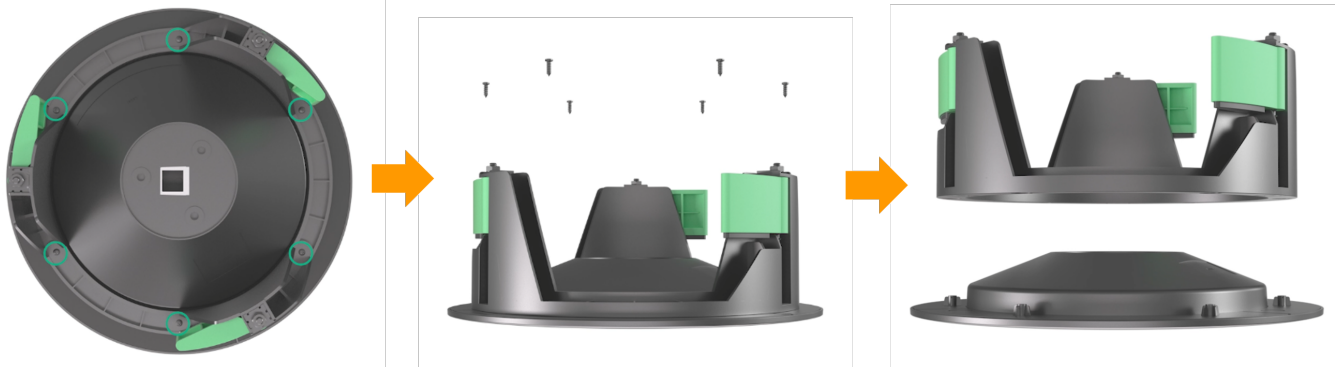
1. Use the black mounting base to draw holes, drill holes, and insert expansion nuts.

- 💡 If there is a pre-existing network cable on the ceiling, you still need to drill a hole for the network cable (the middle hole of the black mounting base).

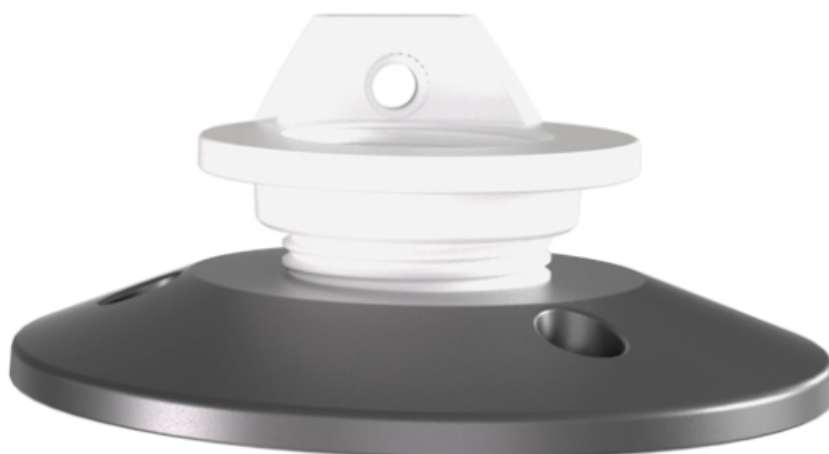
2. Thread the network cable through the middle hole of the black mounting base and install the mounting base on the ceiling using expansion screws.



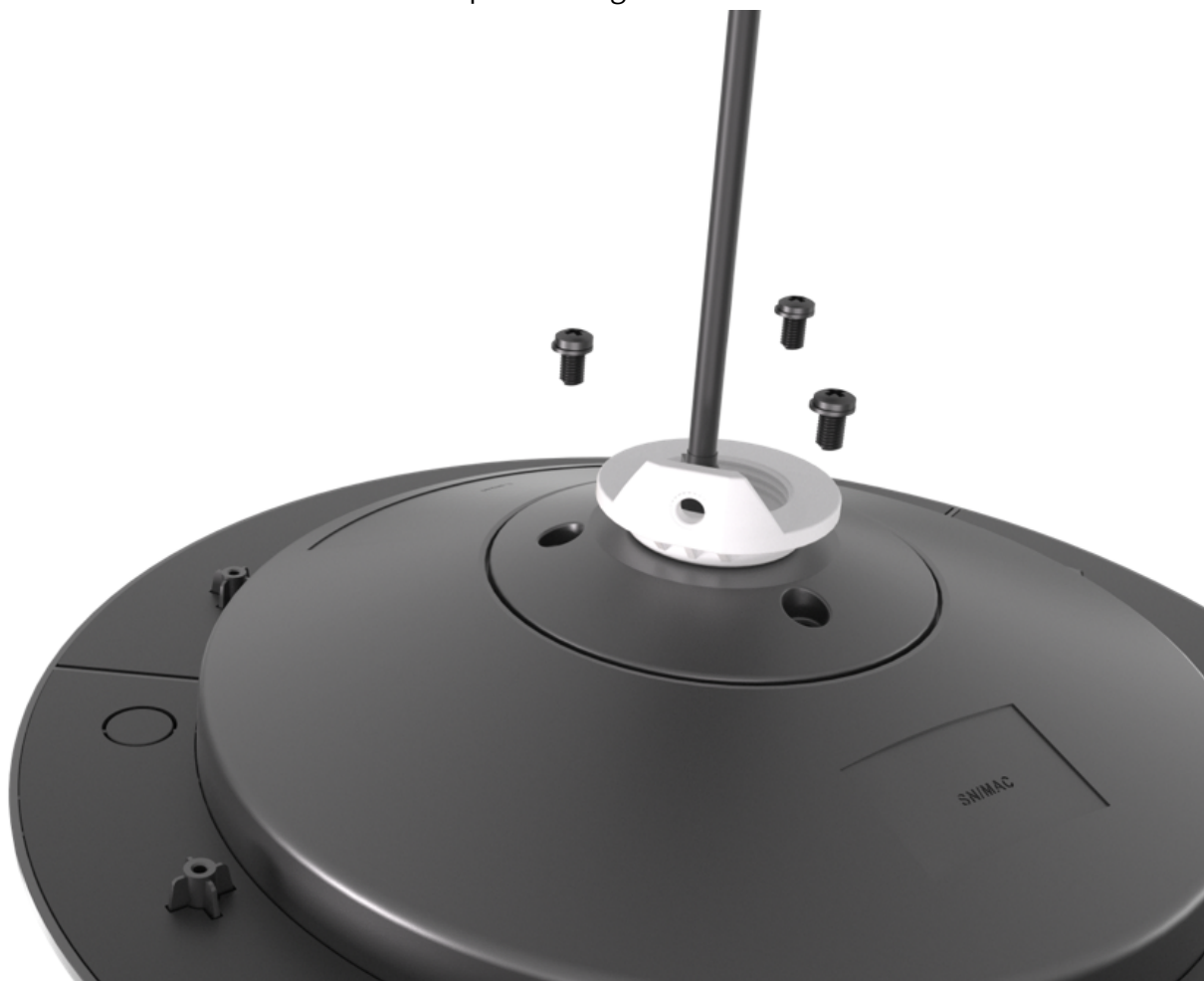
3. Remove the bracket above the CM20.



4. Rotate the white mounting ring to fasten it to the dust cover.



5. Plug the network cable into the CM20 network port and tighten dust cover to CM20 with screws.



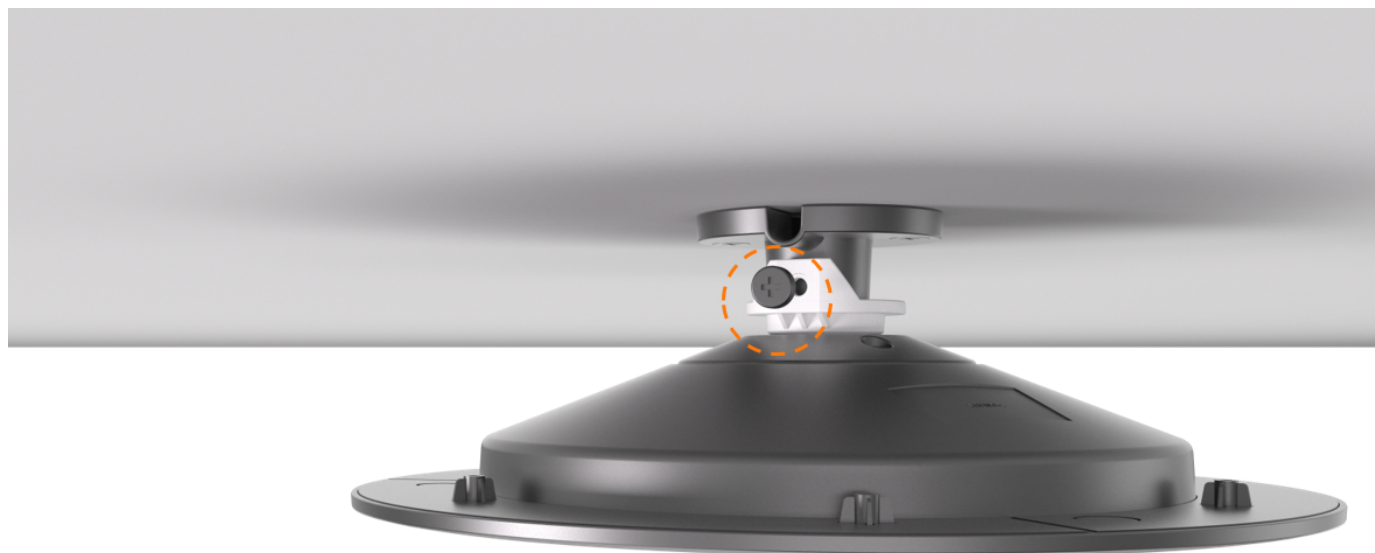
6. Tighten the white mounting ring onto the black mounting base.



7. You can adjust the direction of the CM20 to 0 degrees by twisting the middle adapter bracket.



8. After adjustment, use screws to secure the connection to ensure the CM20's optimal sound pickup performance.



9. Attach the white or black magnetic mesh cover.

Method 5: Deployment with Length-Adjustable Pole Introduction

CM20 supports ceiling installation, you can choose the appropriate installation method according to your actual situation.

Precautions before Installation

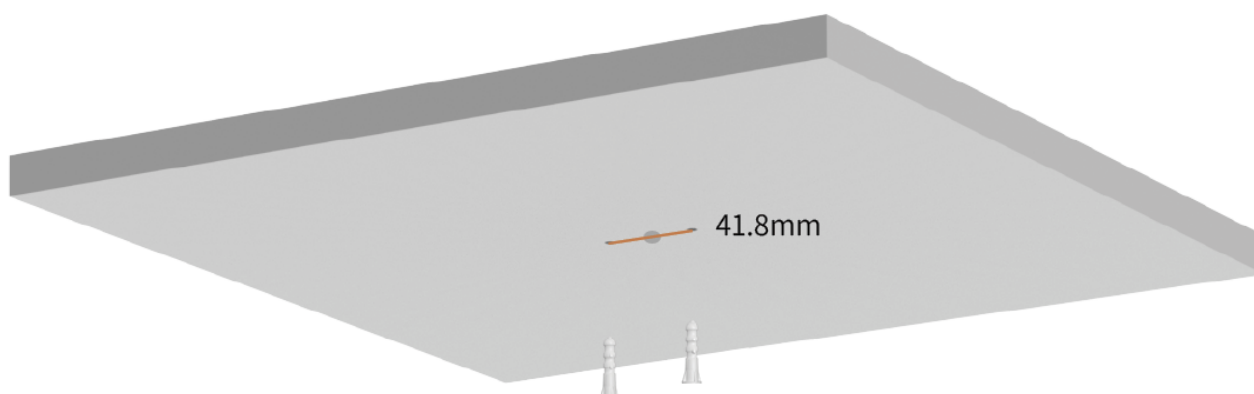
Before installation, there are some important points you need to know about the installation process, so that you can better adapt to your ceiling.

Item	Description
Ceiling Installation Guidelines	This installation method is suitable for removable ceilings and integrated ceilings, and requires drilling into your ceiling. • Integrated non-removable ceiling structures. • This installation method requires the use of expansion screws for additional fixation, which are included in the package. • Your ceiling's load-bearing capacity should be greater than 1 kg.
Installation Location Recommendation	• Installation position: It is recommended to use the Yealink deployment tool. • Installation height: Refer to the Yealink Microphone Coverage Area to determine the installation height.
Security Operation Recommendation	The installation of CM20 requires a certain level of professional expertise, so it is recommended to entrust the operation to professional installation workers as much as possible.

ions	If you choose to install it yourself, make sure that you have someone assist you.
Preparation before Installation	• Professional ceiling installation tools, including but not limited to ladders, power screwdrivers, etc. (to be provided by user). • CM20 ($\Phi 223.6 \times H83.0$ mm / $\Phi 8.803 \times H3.267$ in, 0.615 kg). • Length-Adjustable Pole + Suspend Pole Adapter (Optional). • Dust cover (standard configuration). • Ceiling reserved network interface for connecting CM20, Cat5e or higher specification network cable. • Magnetic suction net cover (white, black). • Installation instructions.

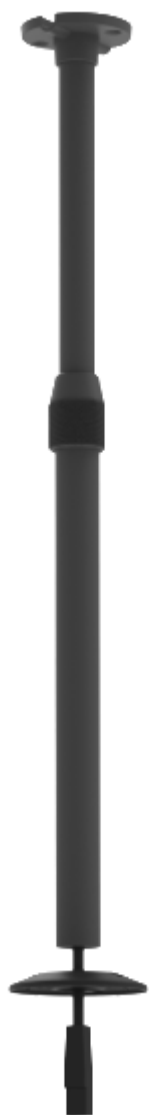
Installation Steps

1. Drill holes in the ceiling.
 - a. Locate the suspension rod mounting bracket in the product packaging.
 - b. According to the position of the suspension rod bracket, make auxiliary marks on the ceiling. You need to mark two screw holes (diameter x length) and one network cable hole (no specific thickness requirement, as long as the cable can pass smoothly).
 - c. Drill holes in the ceiling.

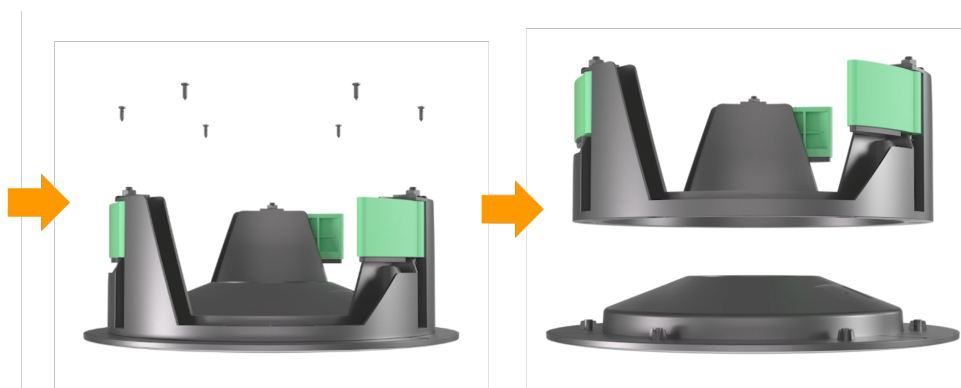
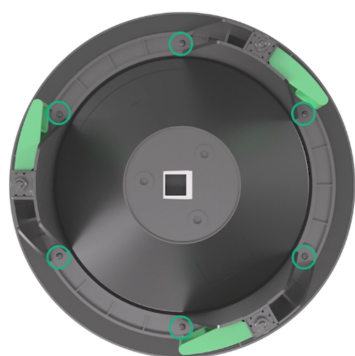


2. Assemble the length-adjustable pole. Assemble the hanger bracket, inner hanger, outer hanger, and dust cover into a single unit according to the structure.

💡 Assembling the suspension rod first can prevent the network cable from twisting when installing the CM20 main body. If you fix the dust cover and CM20 together first, then installing them on the suspension rod will cause the network cable to twist.

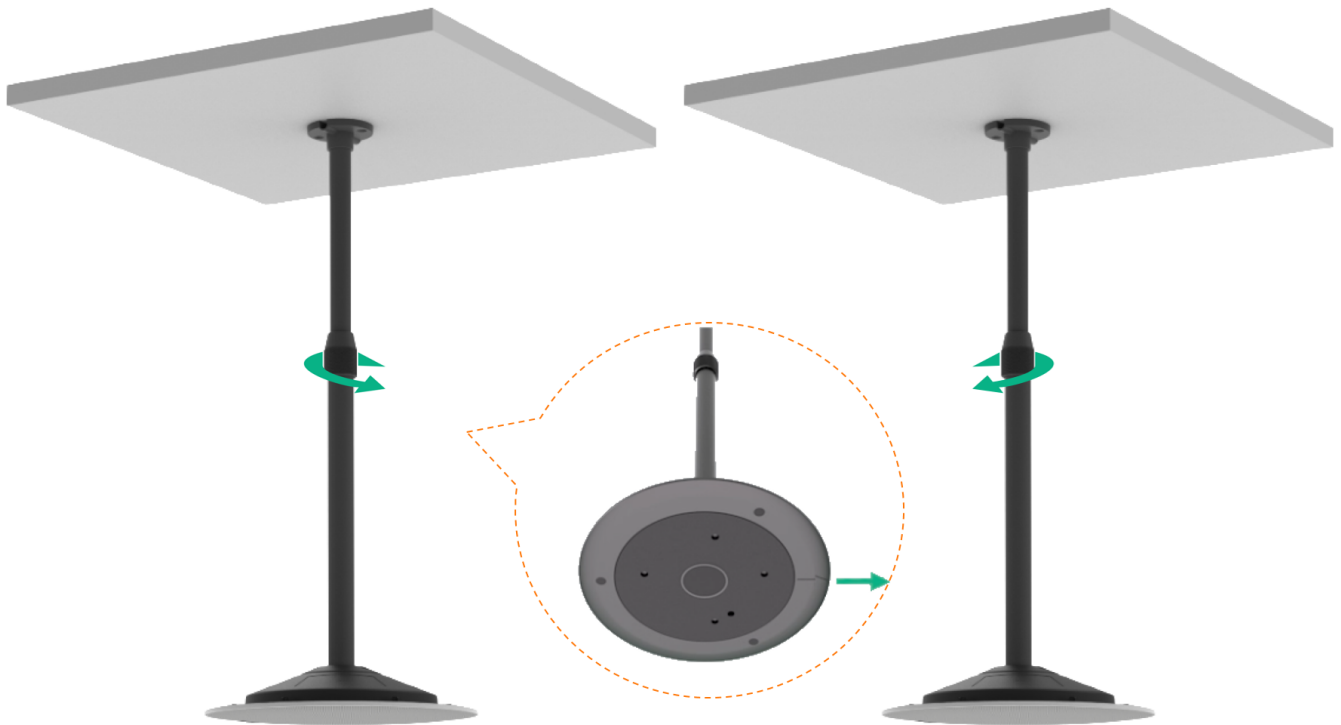


3. Thread the network cable through the middle of the length-adjustable pole, then use self-tapping screws to secure the assembled length-adjustable pole to the newly drilled holes in the ceiling.
4. Remove the bracket above the CM20.



5. Plug the network cable into the CM20 network port.
6. Fasten the CM20 and the length-adjustable pole together through the screw holes on the dust cover.
7. Attach the white or black magnetic mesh cover.

8. Loosen the tightening knob in the middle of the length-adjustable pole counterclockwise and adjust the orientation of CM20 to 0 degrees, thus achieving optimal pickup status for CM20. Once the adjustment is done, tighten the tightening knob in the middle of the length-adjustable pole clockwise.

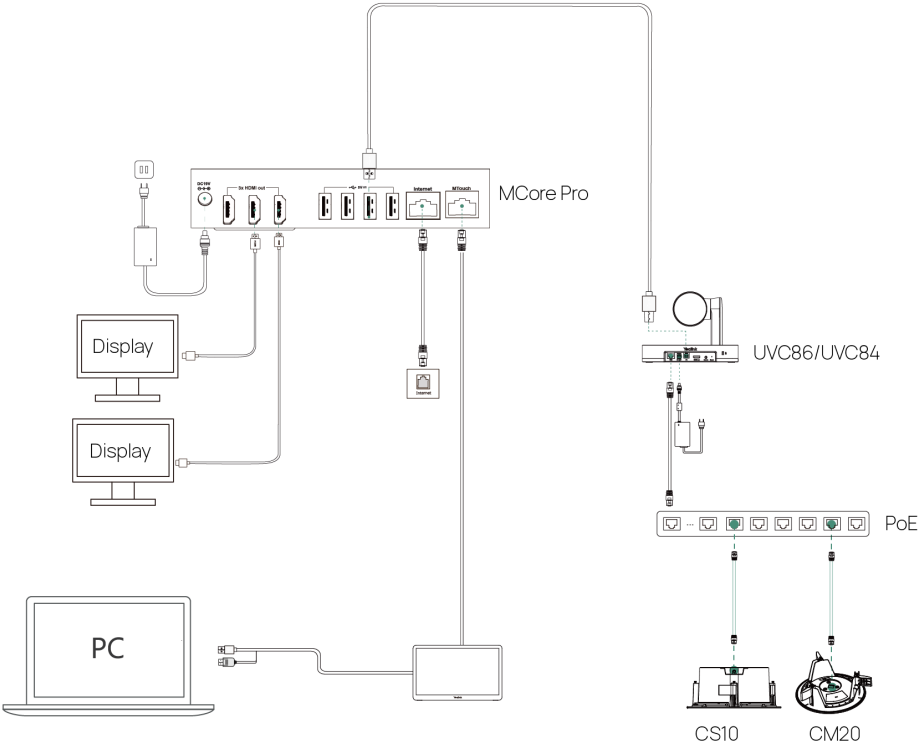


Connection

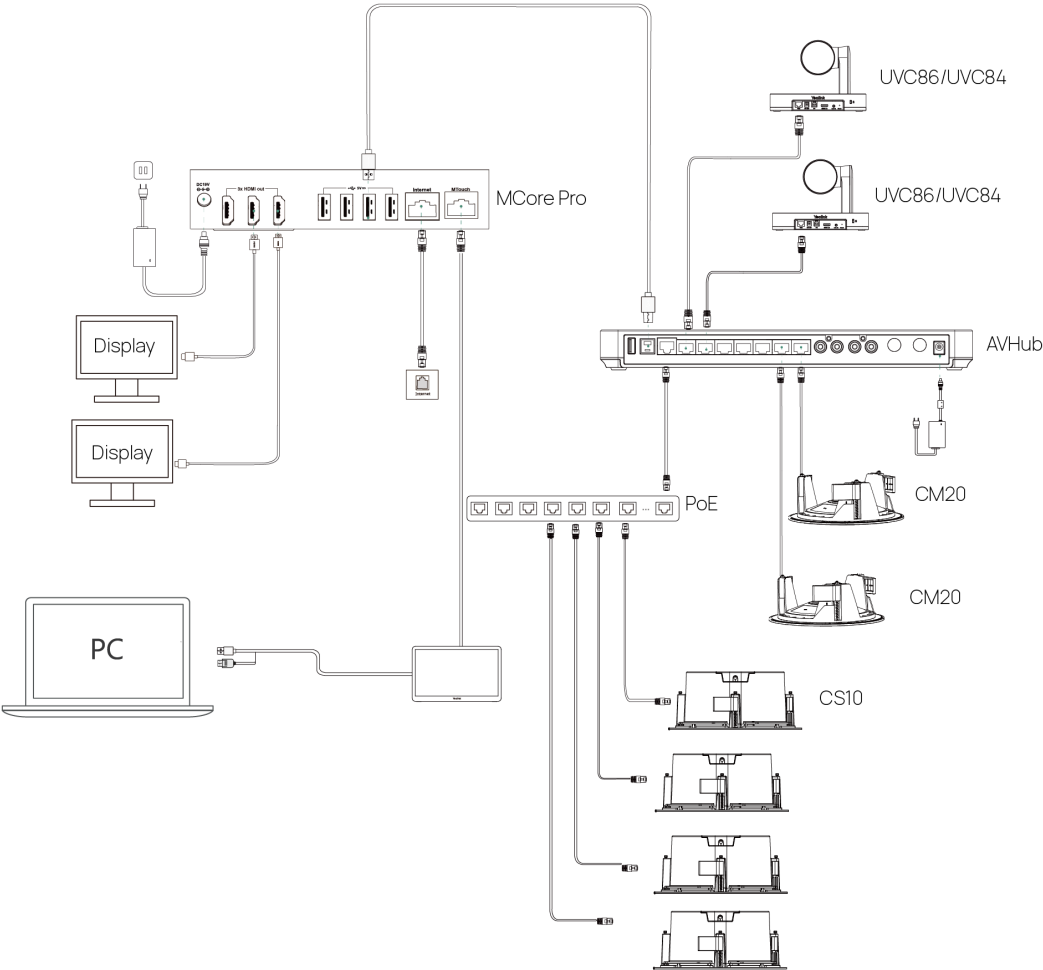
Connect to MVC Series

- ! • If you connect the CS10/CM20 to the MVC860-BASE KIT/MVC860/MVC840-BASE KIT/MVC840/MVC660/MVC640-Wireless/MVC640 (package contents without AVHub), **the CS10 can only work with CM20, and the CM20 can only work with the CS10 and the MSpeaker.**
- If you connect the CM20 to the UVC84 directly or via a switch, **the Line Out port of the UVC84 will become unavailable.**
- If you want to connect the CM20/CS10 via a PoE switch, note that:
 - The switch is a Gigabit Ethernet switch **without EEE feature** (or the EEE feature can be disabled).
 - Do not use the Yealink RCH40 switch as it does not allow EEE to be disabled.
 - If you want to use a single RCH40 E2, it supports 2 CM20s + 2 CS10s, and it is not recommended to connect more than 3 speakers simultaneously to avoid the risk of insufficient power.

MVC series without AVHub



MVC series with AVHub

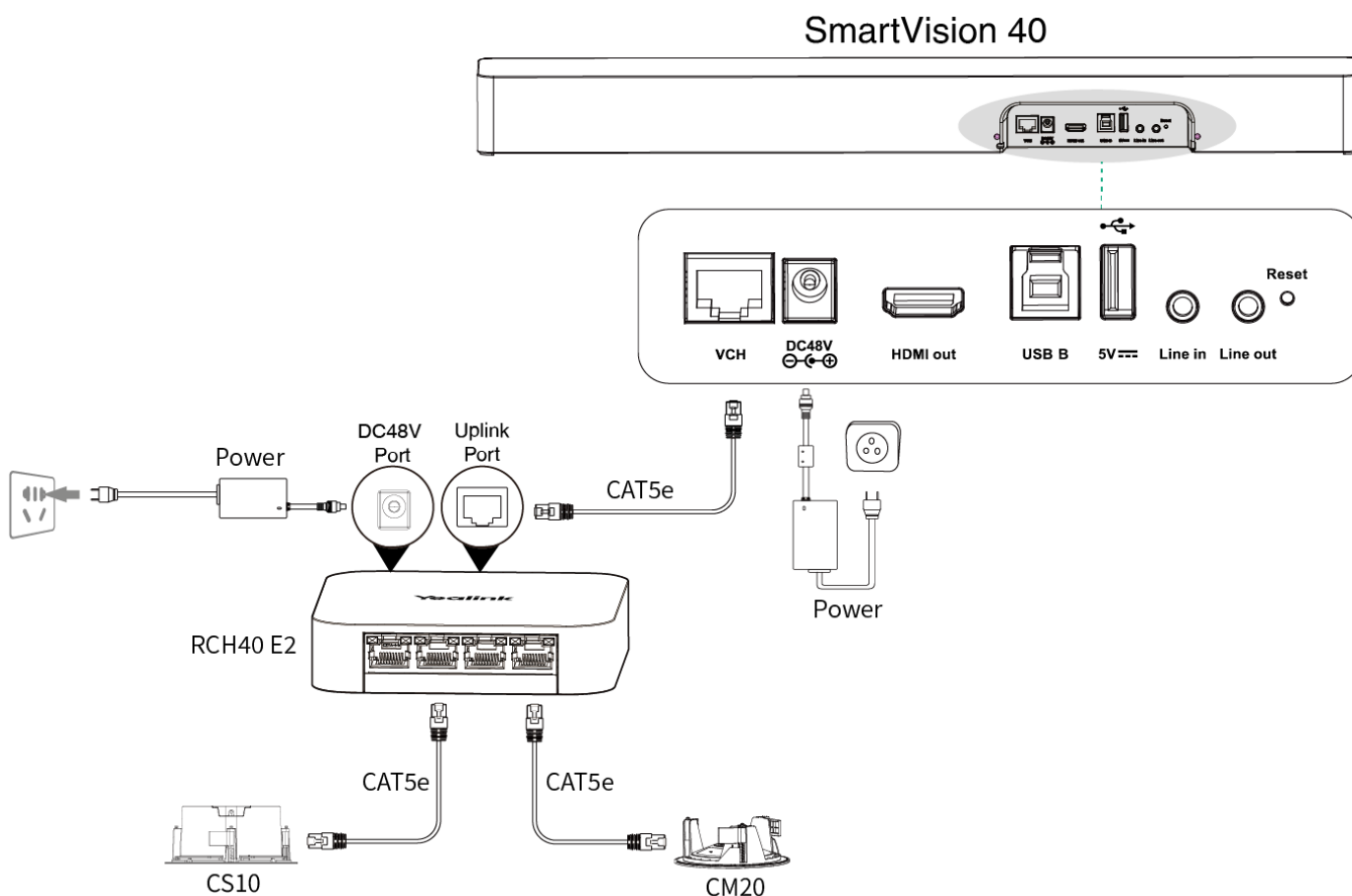


Connect to SmartVision 40/MeetingBar A40

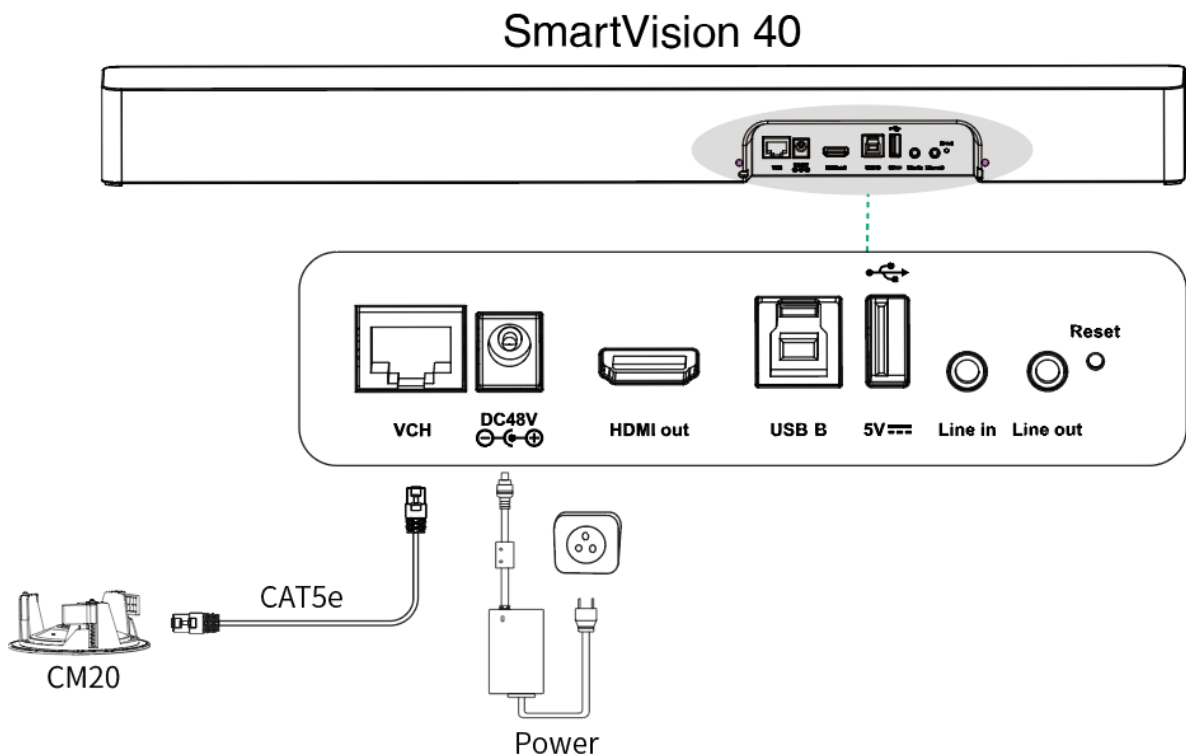
The following figure uses SmartVision 40 for illustration. The connection method of MeetingBar A40 is the same as SmartVision 40.

Method 1: Connect via RCH40 E2

- ⚠ For a single RCH40 E2, it supports 2 CM20s + 2 CS10s, and it is not recommended to connect more than 3 speakers simultaneously to avoid the risk of insufficient power.



Method 2: Directly connect to SmartVision 40/MeetingBar A40



CM20 LED Indicators

LED Indicators	Introduction
Orange	• Initializing and not connected to a host device • Rebooting
Off	• Powered off • Idle
Green	On a call
Red	Muted
Flash red and green alternately	Searching devices
Flash orange slowly	Upgrading
Flash red	Network exception