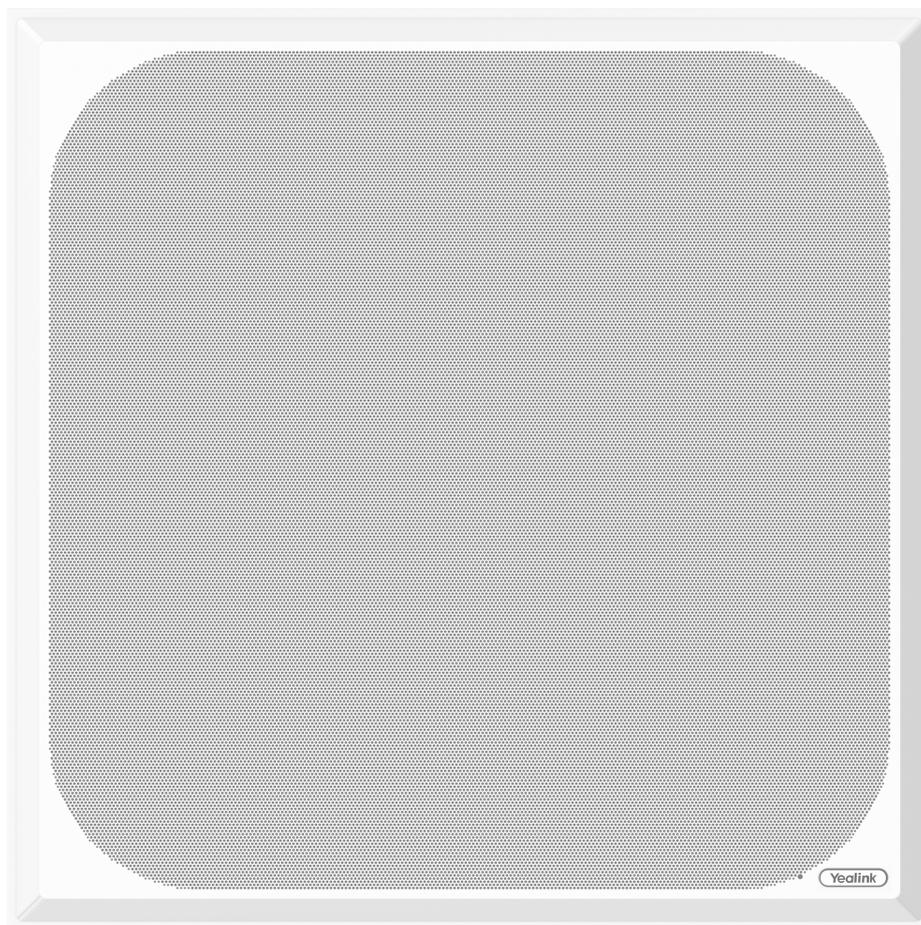


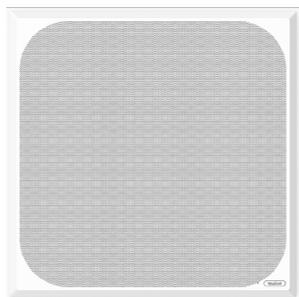


# Ceiling Microphone CM50



Quick Start Guide (V1.0)

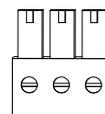
# Package Contents



CM50



Quick Start Guide



Male Phoenix Connector (Pitch 3.81 mm)

In the Ceiling



Angle Bracket (for 2ft ceiling grid)



Safety Rope



Rubber Pads



x 1



x 1



x 24

On the Ceiling



Mounting Bracket A and B



M4 Hexagon Socket Screw & Hex key



x 4



x 4



x 4

Suspend from the Ceiling



Suspension Rope Assembly



Deployment Instruction Template

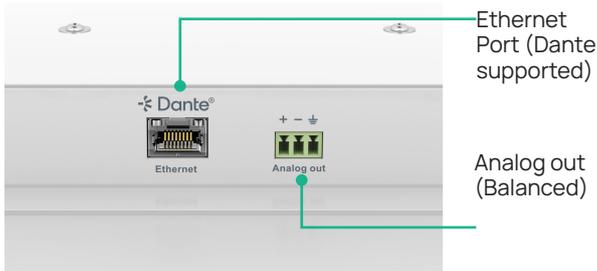
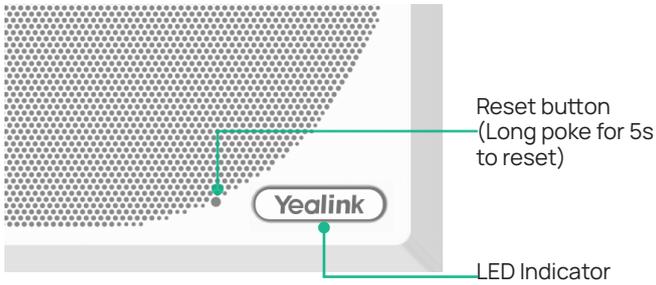


x 4



x 4

# Hardware Introduction



| LED Indicators                  | Introduction   |
|---------------------------------|--|
| Solid orange                    | <ul style="list-style-type: none"> <li>Initializing and not connected to a host device</li> <li>Rebooting</li> </ul> |
| Off                             | <ul style="list-style-type: none"> <li>Powered off</li> <li>Idle</li> </ul>  |
| Solid green                     | On a call  |
| Solid red                       | Muted  |
| Flash red and green alternately | Searching devices  |
| Flash red slowly                | <ul style="list-style-type: none"> <li>AP08 is upgrading firmware</li> <li>AP08 is in recovery mode</li> </ul>       |
| Flash orange slowly             | Upgrading  |
| Flash red                       | Network exception  |

## Plan the Installation

### Safety Notes



- Important:** Please read the installation instructions prior to install this microphone.
- Caution:** Installation of Yealink microphone should only be performed by trained and qualified personnel. Severe injury and/ or loss of life may occur if this product is improperly installed.
- Danger:** It is recommended to attach a safety rope to a sturdy load-bearing location that is separate from the main device mounting point. The safety rope should have minimal slack to prevent excessive kinetic force in the event of a failure in the main mount.

### Possible Variants

1. In the Ceiling



2. On the Ceiling



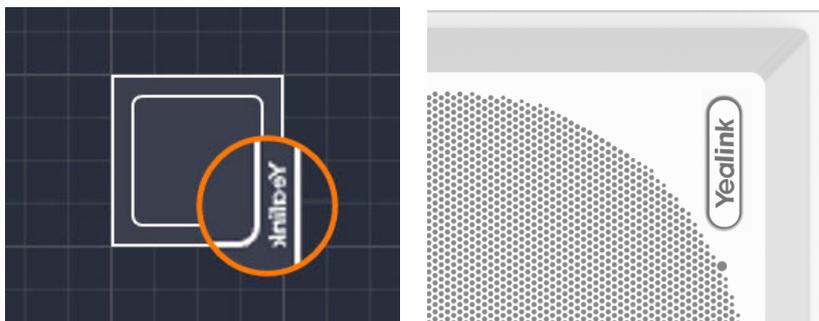
3. Suspend from the Ceiling



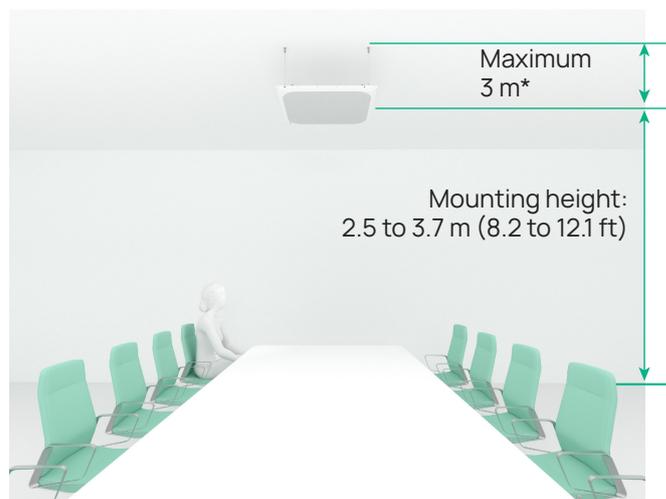
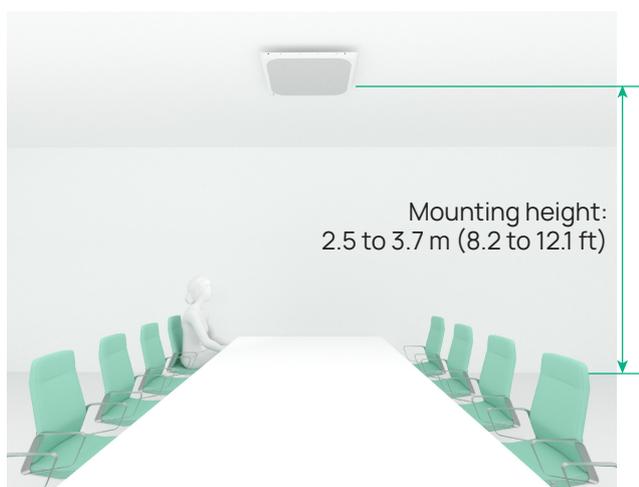
Ceiling grid: 60 × 60 cm / 2 × 2 feet  
(with angle brackets)

## Important Notes

- The CM50 is designed with high sensitivity for precise sound pickup. Please avoid deploying the CM50 near any potentially interfering devices, such as air conditioning vents and lights.
- Position the logo of the CM50 so that it faces the same direction as the one in your design of Yealink Room Designer software.



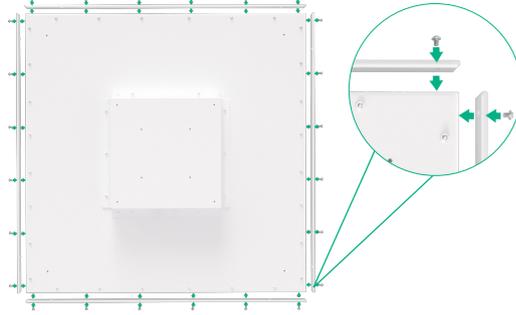
- For most rooms, we recommend:
  - Mounting height: 2.5 to 3.7 m (8.2 to 12.1 ft).
  - \*We provide 3-meter suspension ropes. If you need longer ropes, please purchase them separately.



# Installation

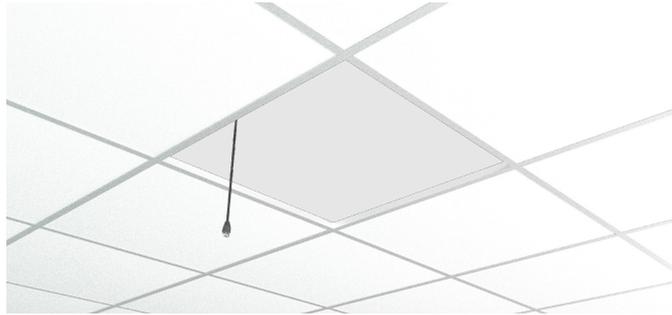
## 1. In the Ceiling

- Make sure the ceiling grid size matches the microphone.
- This variant is available for ceiling grid of 60 × 60 cm or 2 × 2 feet. For 2ft ceiling grid, you will need to attach 4 angle brackets to each side of the CM50 using a total of 24 screws.



- The ceiling grid should have a load-bearing capacity of more than 6.5 KG.

1. Remove the ceiling tile, and run wires to the device locations.



2. Install the rubber pads on the 4 corners to prevent scratches.



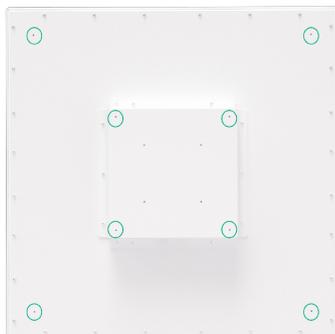
3. Connect the Ethernet cable.



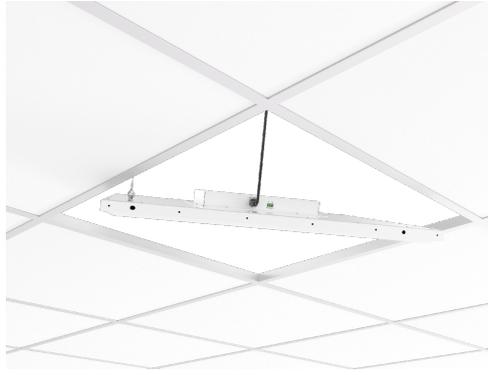
4. Install the safety rope to one of the marked points.

Make the rope as short as possible. Attach the rope to a secondary structural point directly above the seismic safety tab to minimize impact force and swing in the event of a ceiling failure.

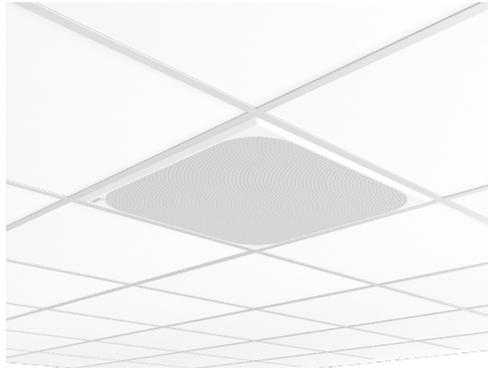
Note: This can also be done after installing the unit if there is access in the ceiling.



5. Install the microphone into the ceiling grid.



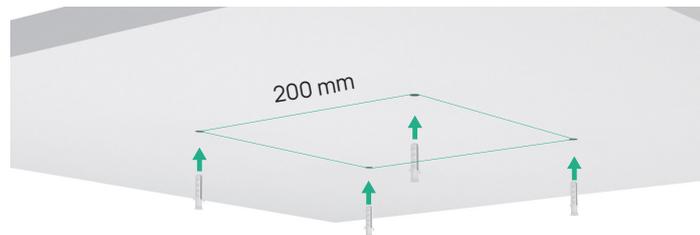
Effect demonstration:



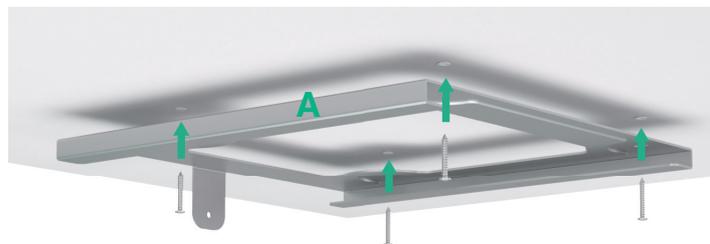
## 2. On the Ceiling

 The ceiling grid should have a load-bearing capacity of more than 7 KG.

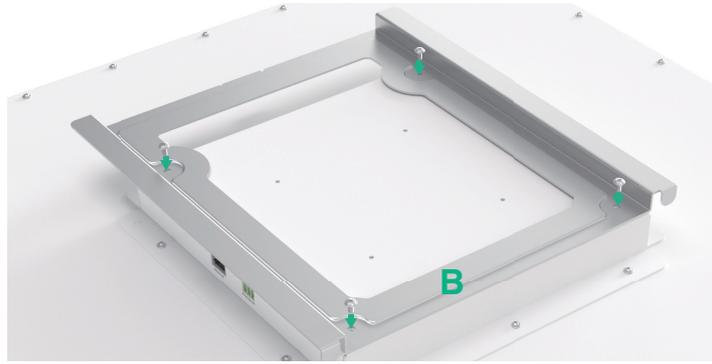
1. Run wires to the device locations.
2. Use the bracket A to drill holes on the ceiling and insert the expansion nuts.



3. Use expansion screws to fix the bracket A on the ceiling.



4. Install the bracket B to the back panel of the CM50 with screws.



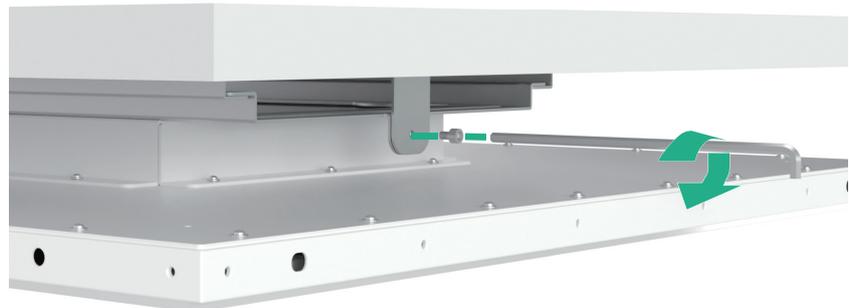
5. Connect the Ethernet cable.



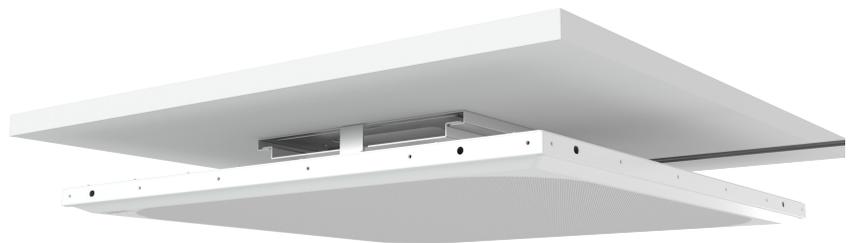
6. Align the bracket B with the bracket A and slide the CM50 forward into place.



7. Tighten the M4 hexagon socket screw using the included Hex key.



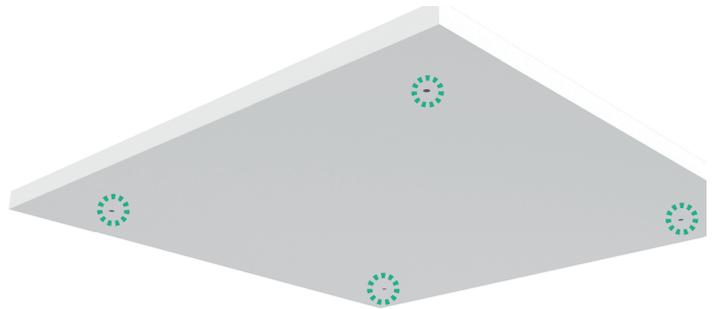
Effect demonstration:



### 3. Suspend from the Ceiling

 The ceiling grid should have a load-bearing capacity of more than 6.5 KG.

1. Use the deployment instruction template to drill holes.



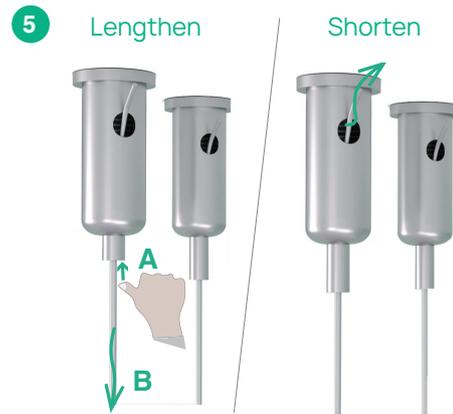
2. Loosen the wire lock from the suspension rope.
3. Insert the expansion nuts and then use expansion screws to fix the wire locks.



4. Thread the suspension rope through the wire lock and tighten the wire lock. Make sure that the wire locks are securely installed on the ceiling by gentle dragging the suspension rope.



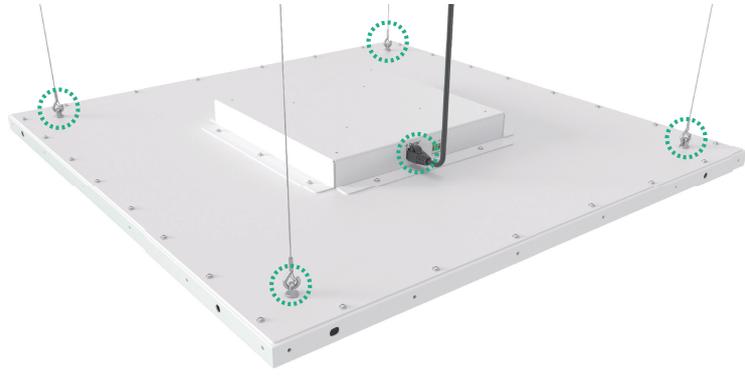
5. Adjust the rope to the appropriate length and cut off the excess part.



6. Tighten the copper pillar onto the CM50.



- Hook the suspension rope to the copper pillar, and connect the Ethernet cable.



Effect demonstration:





## Declaration of Conformity

We,

YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD

Address: No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China

Manufacturer: YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD

Address: No.666 Hu'an Rd. Huli District Xiamen City, Fujian, P.R. China

DATE: 29 / July/2024

declare that the product

**Type: Ceiling Microphone**

**Model: CM50**

meets the essential requirements and other relevant provisions according to the following EC directive

**Directive: 2014/30/EU, 2014/35/EU**

**Conformity**

The product complies with the following standards:

Safety : **EN 62368-1:2020+A11:2020**

EMC: **EN 55032:2015+A11:2020**

**EN 55035:2017+A11:2020**

**EN IEC 61000-3-2: 2019+A1:2021**

**EN 61000-3-3: 2013+A1:2019**

**Harmonized: UN-EN62321**

**Directive 2011/65/EU and (EU)2015/863** of the European Parliament and of the Council of 8 June 2011 and 4 June 2015 on the restriction of the use of certain hazardous substances in electrical and electronic equipment(RoHS 2.0)

**Directive 2012/19/EU** of the European Parliament and of the Council of 4.July.2012 on Waste electrical and electronic equipment(WEEE)

**Regulation (EC) No.1907/2006** of the European Parliament and of the Council of 18.December.2006 on Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH)

The declaration of conformity is issued under the sole responsibility of the manufacturer

NAME: Huahu Wang

DATE:

TITLE: Manager

*Huahu Wang*  
*July/29/2024*

# Software Download and User Guide

| Item                              | Introduction   | Download Address   |
|-----------------------------------|--|--|
| Yealink Ceiling Device Calculator | <p>Use this tool to design your deployment based on room type, dimensions, and table.</p> <ul style="list-style-type: none"><li>• Verwenden Sie dieses Tool für den Entwurf basierend auf Raumtyp, Abmessungen und Tisch.</li><li>• Utilisez cet outil pour le design selon le type de pièce, les dimensions et la table.</li><li>• Utilice esta herramienta para diseñar según el tipo de sala, las dimensiones y la mesa.</li></ul>  | <br><a href="https://design-tools.ymcs.yealink.com/control-deploy-tool/">https://design-tools.ymcs.yealink.com/control-deploy-tool/</a>   |
| Yealink Room Designer             | <p>Use this tool for room design, device routing, audio coverage, configuration management, etc.</p> <ul style="list-style-type: none"><li>• Verwenden Sie dieses Tool für Raumdesign, Gerätekonfiguration, Audioabdeckung und Verwaltung.</li><li>• Utilisez cet outil pour la conception de salle, le routage des appareils, la couverture audio et la gestion des configurations.</li><li>• Utilice esta herramienta para el diseño de salas, el enrutamiento de dispositivos, la cobertura de audio y la gestión de configuraciones.</li></ul> | <br><a href="https://support.yealink.com/en/portal/docList?archiveType=document&amp;productCode=4b76f1715e9e4cdc">https://support.yealink.com/en/portal/docList?archiveType=document&amp;productCode=4b76f1715e9e4cdc</a> |
| Yealink Room Designer User Guide  | <p>Introduce how to use Yealink Room Designer.</p> <ul style="list-style-type: none"><li>• Einführung in die Nutzung des Yealink Room Designers.</li><li>• Introduction à l'utilisation du Yealink Room Designer.</li><li>• Introducción sobre cómo usar Yealink Room Designer.</li></ul>  | <br><a href="https://support.yealink.com/en/portal/knowledge/show?id=66553d1743296d7065fddc87">https://support.yealink.com/en/portal/knowledge/show?id=66553d1743296d7065fddc87</a>                                     |
| CM50 User Guide                   | <p>Learn to use CM50 with Yealink Room Designer.</p> <ul style="list-style-type: none"><li>• Lernen Sie, CM50 mit dem Yealink Room Designer zu verwenden.</li><li>• Apprenez à utiliser CM50 avec Yealink Room Designer.</li><li>• Aprenda a usar CM50 con el Yealink Room Designer.</li></ul>   | <br><a href="https://support.yealink.com/en/portal/knowledge/show?id=668617bc50364b3ad387a629">https://support.yealink.com/en/portal/knowledge/show?id=668617bc50364b3ad387a629</a>                                     |

