



**Ruijie RG-AP630 (CD) Wireless Access Points  
Quick Installation Guide**

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## Preface

Thank you for using our products. This manual will guide you through the installation of the device.

This manual describes the functional and physical features and provides the device installation steps, hardware troubleshooting, module technical specifications, and specifications and usage guidelines for cables and connectors.

## Audience

It is intended for the users who have some experience in installing and maintaining network hardware. At the same time, it is assumed that the users are already familiar with the related terms and concepts.

## Obtaining Technical Assistance

- Ruijie Networks Website: <https://www.ruijienetworks.com/>
- Technical Support Website: <https://ruijienetworks.com/support>
- Case Portal: <https://caseportal.ruijienetworks.com>
- Community: <https://community.ruijienetworks.com>
- Technical Support Email: [service\\_rj@ruijienetworks.com](mailto:service_rj@ruijienetworks.com)
- Skype: [service\\_rj@ruijienetworks.com](https://www.skype.com/people/service_rj@ruijienetworks.com)

## Related Documents

Documents	Description
Configuration Guide	Describes network protocols and related mechanisms that supported by the product, with configuration examples.
Command Reference	Describes the related configuration commands, including command modes, parameter descriptions, usage guides, and related examples.

## Symbol Conventions

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 Means reader take note. Notes contain helpful suggestions or references.

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 Means reader be careful. In this situation, you might do something that could result in equipment damage or loss of data.

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# 1 Packing List

Name	Quantity	Unit
Host	1	Set
Mounting plate	1	Piece
Mounting bracket	1	Piece
Tie rod	1	Piece
M8x20 screw with spring and flat washers	4	Piece
M8x40 screw with spring and flat washers	2	Piece
Liquid-tight adapter	1	Piece
Liquid-tight adapter for optical fiber (Hardware Version 2.00 and later)	1	Piece
Grounding cable	1	Piece
Hose clamp	2	Piece
Security cable	1	Piece
M8x60 expansion bolt	4	Piece
<i>Product Warranty Manual</i>	1	Copy
<i>RG-AP630 (CD) Wireless Access Point Quick Installation Guide</i>	1	Copy

# 2 Accessories



Mounting Plate



Mounting Bracket



Tie Rod



M8X40/M8X20 Screw



Grounding Cable



Hose Clamp



Liquid-tight Adapter



Liquid-tight Adapter for Optical Fiber



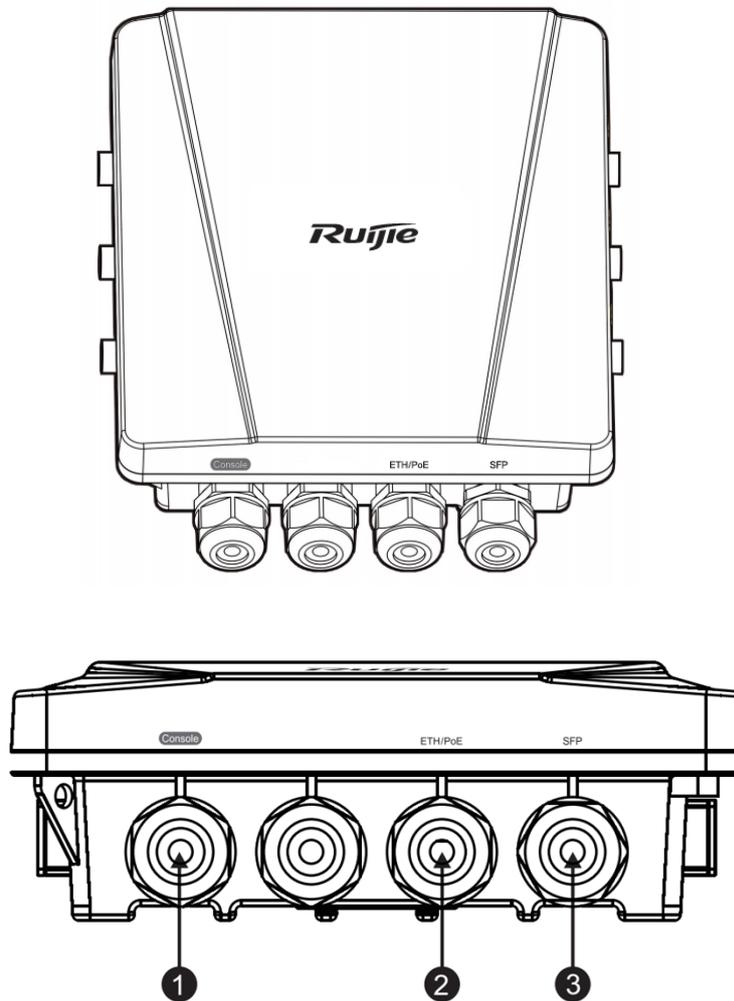
Security Cable



M8x60 Expansion Bolt

### 3 Product Appearance

Product Appearance of RG-AP630 (CD)



Note: 1. Console port 2. 10/100/1000 Base-T auto-sensing Ethernet/PoE IN port 3. SFP combo port

## 4 Installation Tools

**i** The tool kit is customer supplied.



Adjustable Wrench



Phillips Screwdriver



Crimping Pliers



Water-proof Tape



Marker



Drill

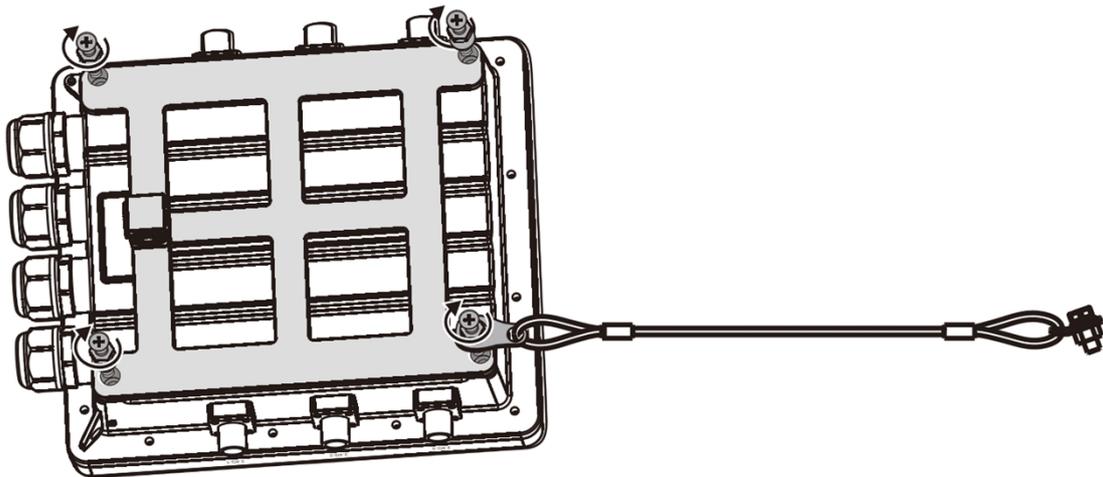
## 5 LEDs

LED	State	Meaning
System status	Blinking green	Initialization in progress
	Solid yellow	Initialization is complete, but no CAPWAP connection.
	Solid green	Initialization is complete, and a CAPWAP connection is established.
	Solid red	The Ethernet/PoE IN port is disconnected.
WDS RSSI (3 LEDs)	1 solid on	< -70dBm
	2 solid on	-70 to -50 dBm
	3 solid on	> -50 dBm

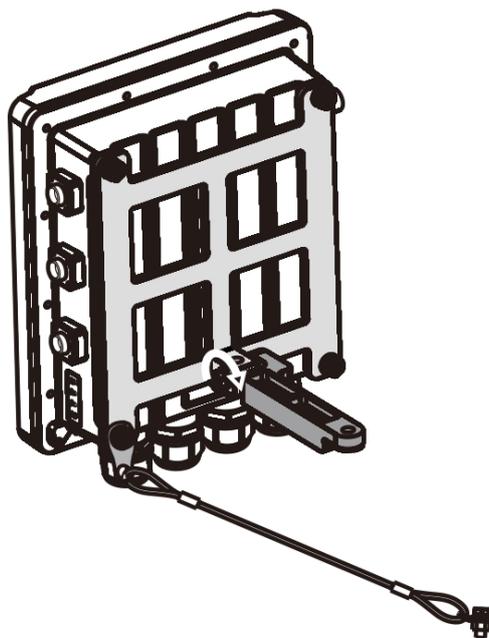
## 6 Installing the Security Cable



Remove the security cable from the mounting plate first. Then, attach the mounting plate to the bottom of the AP and fasten the plate with the four M8x20 screws. Note that one screw is used to fix the metal shim of End A onto the plate before it is tightened.

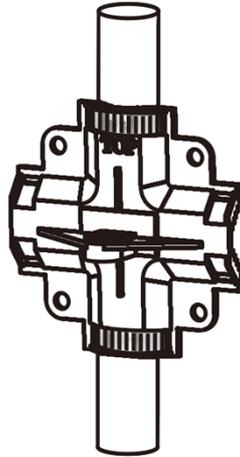


Attach the tie rod to the mounting plate and fasten the rod with the M8x40 screws after AP is well-positioned, shown in the following figure.

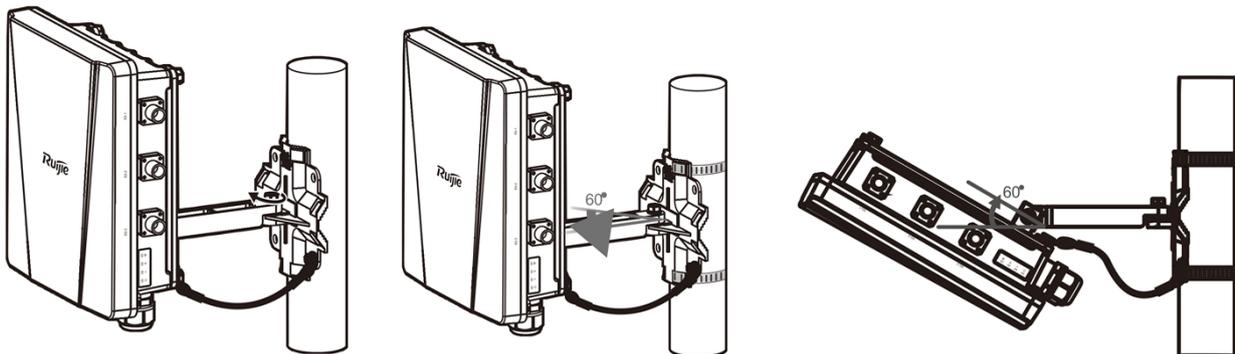


## 7 Mounting the AP to the Pole

Attach the mounting bracket to a pole with a hose clamp.



Attach the mounting plate to the mounting bracket through the rod with the M8x40 screws, adjust AP orientation, and tighten the screws on the rod with the Phillips screwdriver (or the wrench). Finally, connect Loop B of the security cable to the bracket by fastening the screw attached to Loop B

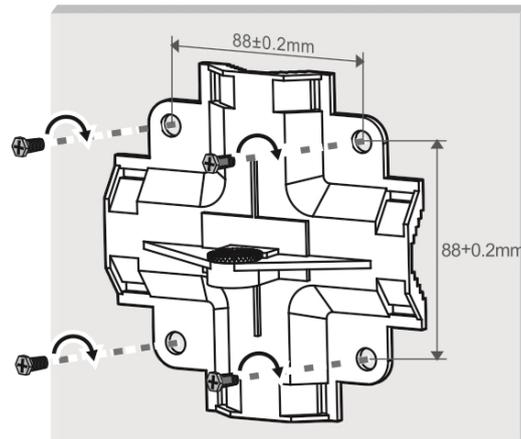


- i** Horizontal pole mount is also supported. The procedure of horizontal pole mount is similar as that of vertical mount.
- i** The outdoor AP can be mounted on a wall and a pole (diameter: 75 mm to 120 mm). If the diameter of the pole is out of the range, the hose clamp is customer-supplied. In this case, we strongly recommend you to use a 304 stainless steel hose clamp with thickness of 2.5mm at least.

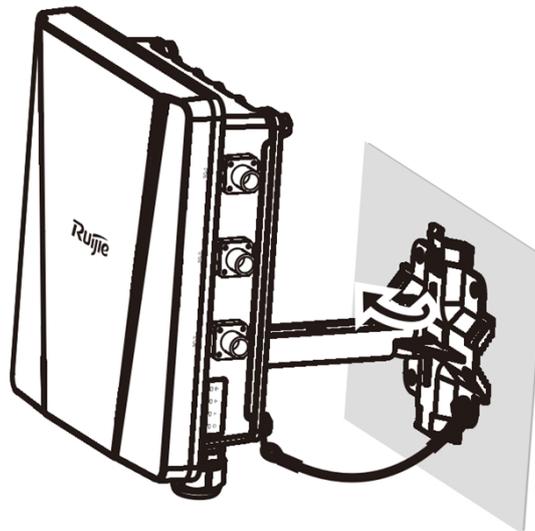
## 8 Mounting the AP on the Wall

- i** Attach the mounting bracket to the wall with user-supplied expansion screws. M8 x 60 screws are recommended.

Mark the locations of the four screw holes by using the marker. Drill four 8 mm diameter holes. Tap expansion anchors into the holes, and drive three screws through the mounting bracket into the anchors to fix the bracket.



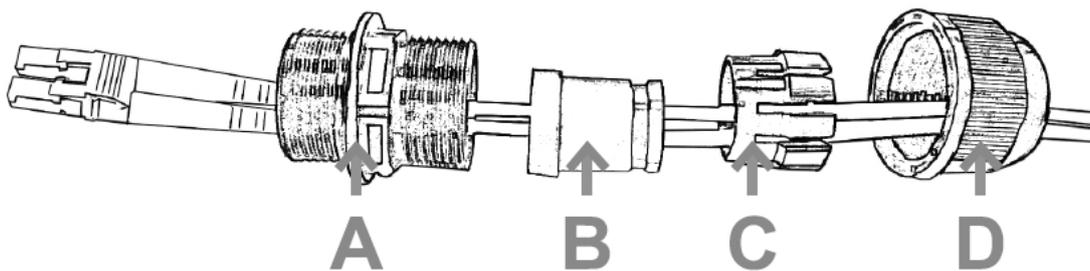
Attach the tie rod to the mounting plate and fix the rod with the supplied M8x40 screws. Adjust the AP orientation, and drive the two-side screws on the rod. Finally, drive the screw of Loop B into the fourth anchor.



## 9 Connecting the Fiber Cable

- i The liquid-tight adapter for optical fiber is supplied for hardware V2.00 and later
- i Waterproofing material is customer-supplied.

- 1) Choose an LC-LC optical fiber with the diameter of  $2.7 \pm 0.2 \text{ mm}$ .
- 2) Thread the fiber through the liquid-tight adapter in the order as shown.



- 3) Insert the plug of the fiber into the SPF port.
- 4) Tighten A.
- 5) Combine B and C and put the combination into A.
- 6) Tighten D before applying waterproof glue to its joint with A.

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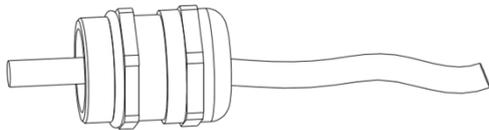
 Before removing the optical fiber, dismantle the liquid-tight adapter first and then the plug.

 If the diameter of LC-LC fiber is not  $2.7 \pm 0.2\text{mm}$ , waterproofness of the adapter cannot be guaranteed.

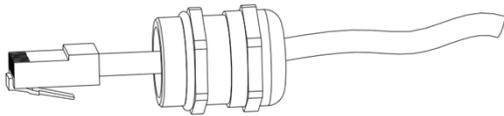
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## 10 Connecting the Network Cable

Thread the original network cable through the liquid-tight adapter.



Attach the plug into one end of the network cable nearest to the head of the liquid-tight adapter.



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 Insert the plug into the PoE IN port, and tighten the liquid-tight adapter.

 Make sure the plug is correctly inserted. The plug gets damaged when the liquid-tight adapter is wrenched improperly. Before removing the network cable, dismantle the liquid-tight adapter first and then the plug.

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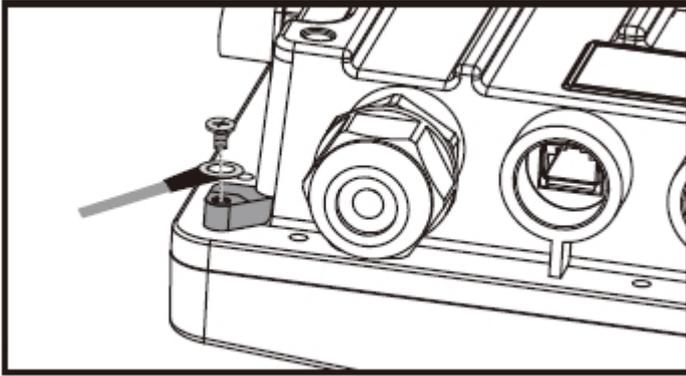
## 11 Connecting the Grounding Cable

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 Make sure the AP and the power source share the common ground points.

 A lightning arrester is integrated into the AP. In general, no additional lightening arrester is required. If there is higher requirement for lightening protection, you can purchase it on your own.

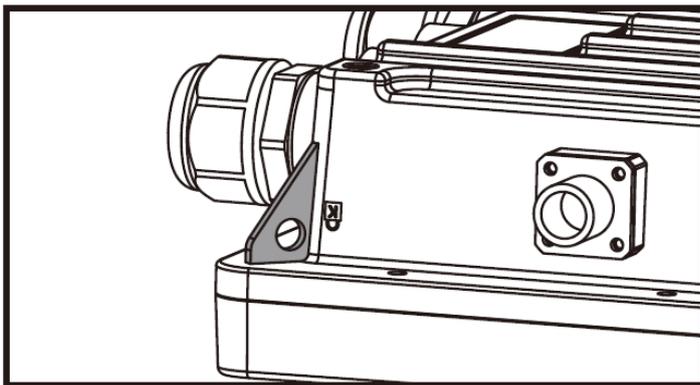
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The grounding cable is made on site. Connect the supplied grounding wire (yellow-green) to the AP grounding connector on one end and ground the wire on the other end through OT terminals.

## 12 Installing the Security Lock (Optional)

**i** The security lock is user-supplied.



The lock loop on the AP is for your security needs. You can fasten the AP to a fixture for anti-theft. First, fasten the cable of a security lock to a fixture. Second, secure the lock plate into the lock loop.