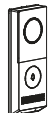








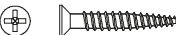






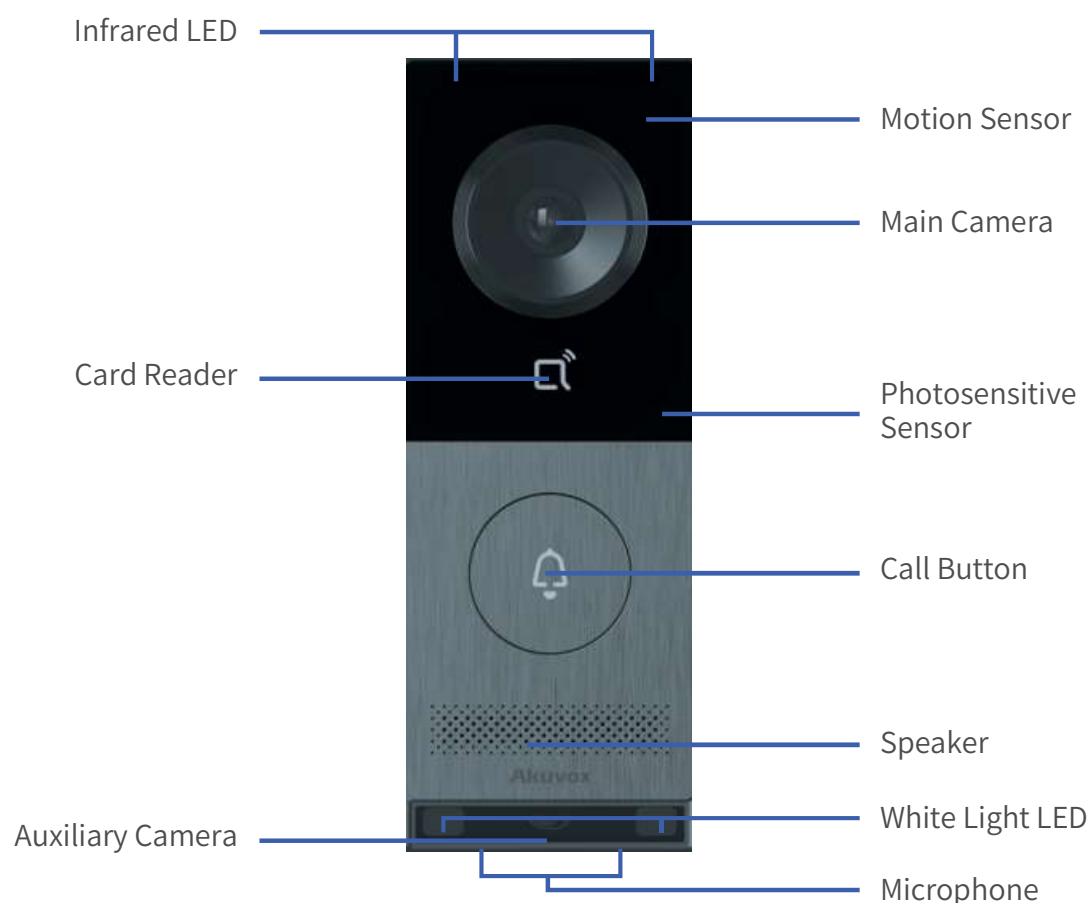


## Unpacking

Before using the device, check the device model and ensure that the shipped box includes the following items:

 1x X910	 1x Wiring cover	 1x Wall-mounting template	 1x Rubber plug (small)
 1x Rubber Plug (medium)	 1x Rubber Plug (large)	 1x Wall-mounting bracket	 4x Plastic wall anchor
 2x 6#-32x20 Phillips machine screw	 4x ST4x20 crosshead screw	 1x 8-PIN cable	 1x 9-PIN cable
 1x Handless screw	 1x Allen wrench	 4x M3x4 crosshead screw	 2x Diode

## Product Overview



## Before You Start

### Tools needed

(not included in shipped box)

- Cat Ethernet Cable
- Crosshead Screwdriver
- Electric Drill

### Voltage and Current Specifications

- It is suggested that use 12VDC 2A/24VDC 1A power adapter or PoE+ to power on device.
- If using the power output function, power the device with a 12VDC 3A or 24VDC 1.5A power adapter.

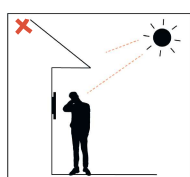
### AWG Sizes and Properties Table

Please follow the proper specifications to install device with appropriate wire length:

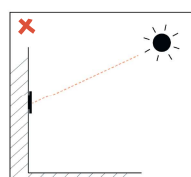
Power Supply/AWG	16	18	20	22
12VDC 2A	≤60m	≤40m	≤25m	≤15m
24VDC 1A	≤100m	≤60m	≤40m	≤25m
12VDC 3A (with power output)	≤30m	≤20m	≤15m	≤10m
24VDC 1.5A (with power output)	≤60m	≤40m	≤25m	≤20m
Resistance (ohm/km)	13.5	21.4	33.9	48.5
Cross-sectional Area (mm <sup>2</sup> )	1.318	0.8107	0.5189	0.3247

### Requirements

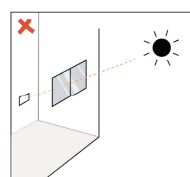
1. Place the device away from sunlight and light sources to prevent potential damage.
2. Do not place the device in the high-temperature, and humid environments or in surroundings impacted by magnetic field.
3. Install the device on the flat surface securely to avoid personal injuries and property loss caused by device's falling.
4. Do not use or place the device near heating objects.
5. If installing the device indoors, please keep device at least 2 meters away from light, and at least 3 meters away from window and door.



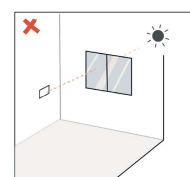
Backlight



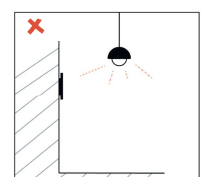
Direct sunlight



Direct sun through window



Indirect sunlight through window



Close to light

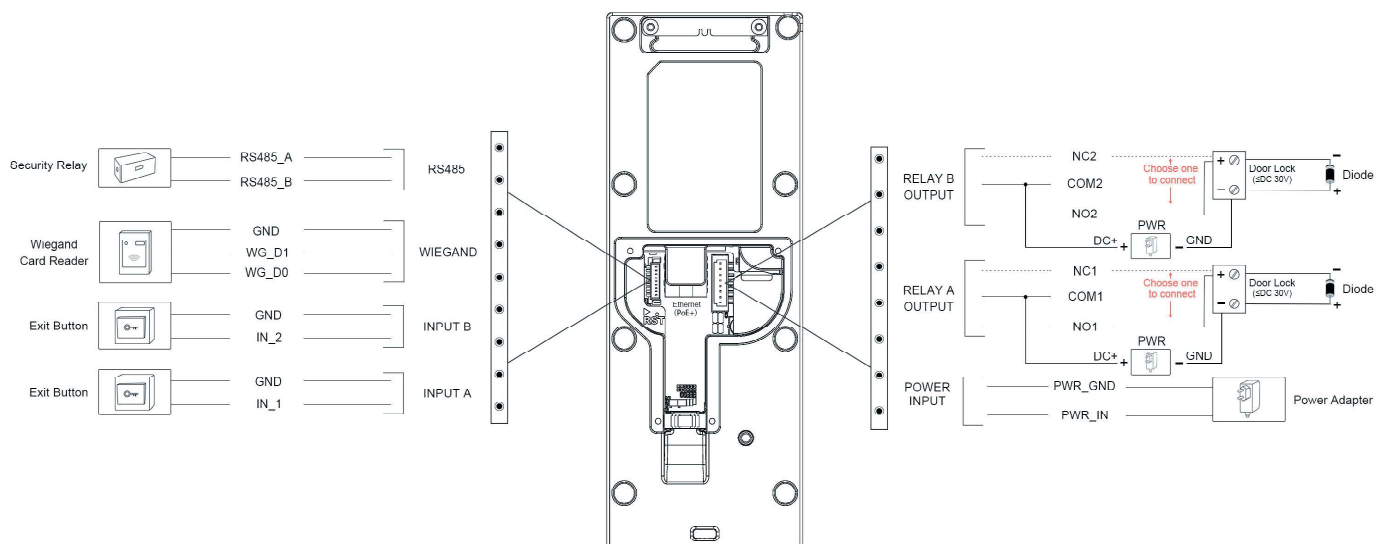
## Warning!

1. To ensure safety, avoid touching power cord, power adapter, and device with wet hands, bending or pulling the power cord, damaging any components, and use only qualified power adapter and power cord.
2. Be careful that standing up on the area under the device in case of personal injuries cause by hitting the device.

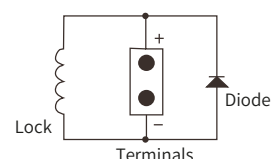
## Caution

1. Do not knock device with hard objects.
2. Do not expose device to chemical products, such as alcohol, acid liquid, disinfectants, and so on.
3. To prevent the device installation from becoming loose, ensure accurate diameters and depths of screw holes. If the screw holes are too large, use glue to secure the screws.
4. Use wet cloth clean device surface softly, and then wipe the surface with dry cloth for cleaning the device.
5. If there is abnormal situation of the device, including uncommon sound and smell, please power off the device and contact Akuvox Technical Team immediately.

## Wiring Interface



To protect the device from potential damage caused by over-voltage, it is recommended to wire a diode into the circuit. Connect the anode of the diode to the negative cable of the lock, and connect the cathode of the diode to the positive cable of the lock.

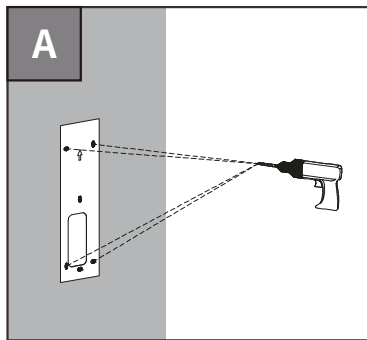


## Installation

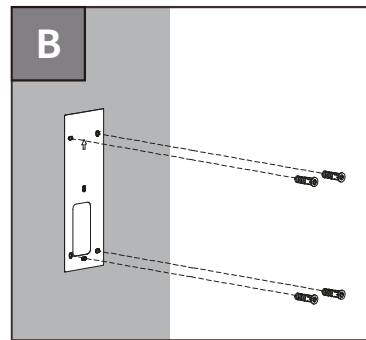
### Step1: Bracket/Box Installation

#### 1.Wall Mounting

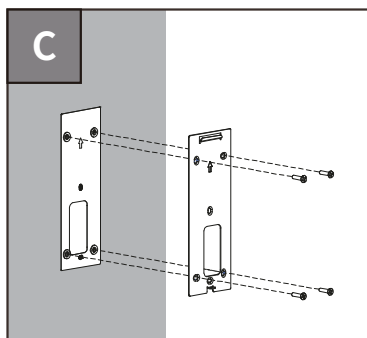
##### 1.1 Without embedded box in the wall



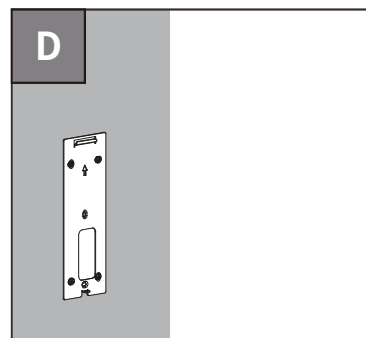
- Stick the **wall-mounting template** on the wall, ensuring the opening aligns with the cable outlet on the wall.
- Use a 6mm hand drill to drill four screw holes with a depth of 20mm.



Insert four **plastic wall anchors** into the holes.

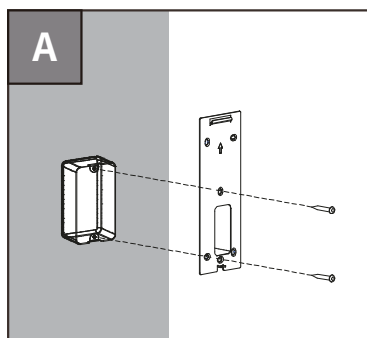


Fix the wall-mounting bracket to the wall by tightening four **ST4x20 crosshead screws** to the **plastic wall anchors**.

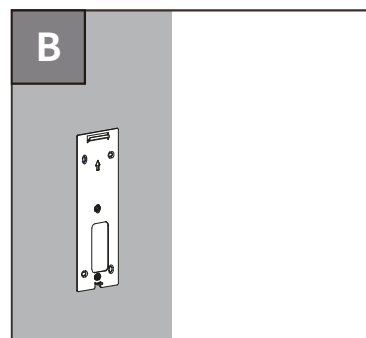


Ensure the screws are tightened, and the wall-mounting bracket is closely against the wall.

##### 1.2 with American standard singled-gang box in the wall

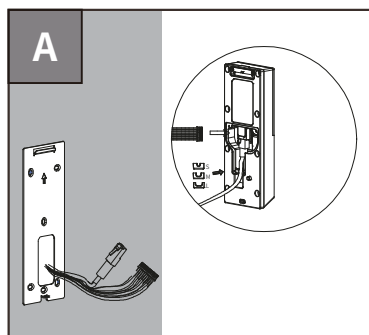


Use two **#6-32x20 Phillips machine screws** to install the **wall-mounting bracket** onto the box.

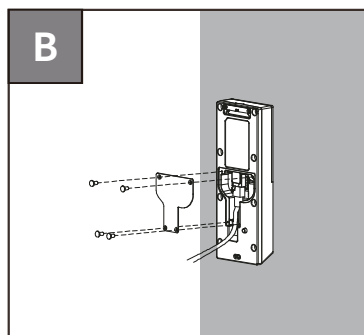


Ensure the screws are tightened, and the wall-mounting bracket and bracket are fixed.

## Step2: Main Unit Installation

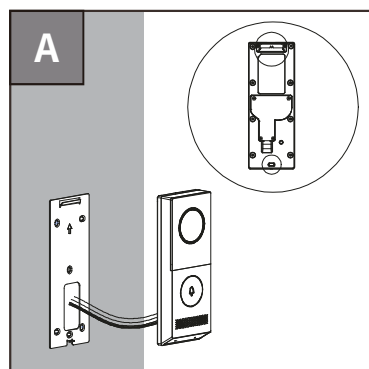


- Select the appropriate **rubber plug** to fix the cables, and place the selected rubber plug in the designated position.
- Connect the Ethernet cable and wires to the corresponding interface (for details, refer to “Wiring Interface” ). Ensure all wires pass through the opening of the rubber plug.

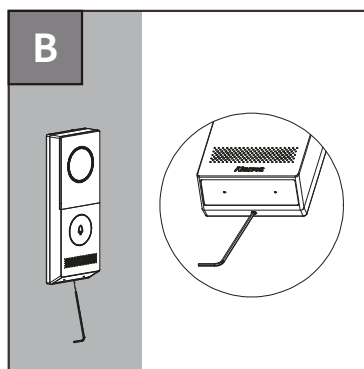


Secure the wiring cover to the back cover with four **M3x4 crosshead screws**.

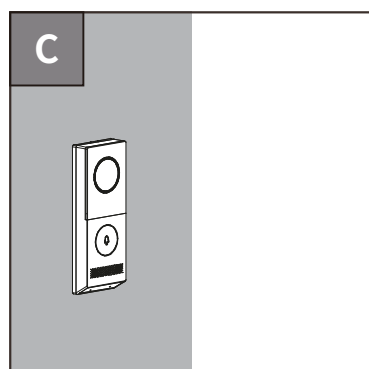
## Step3: Device Mounting



- Hang the slots at the of back upper part of the main unit into the corresponding hook of the bracket.
- Align the slot at the bottom of the back cover with the hook at the bottom of the bracket, and press down vertically.

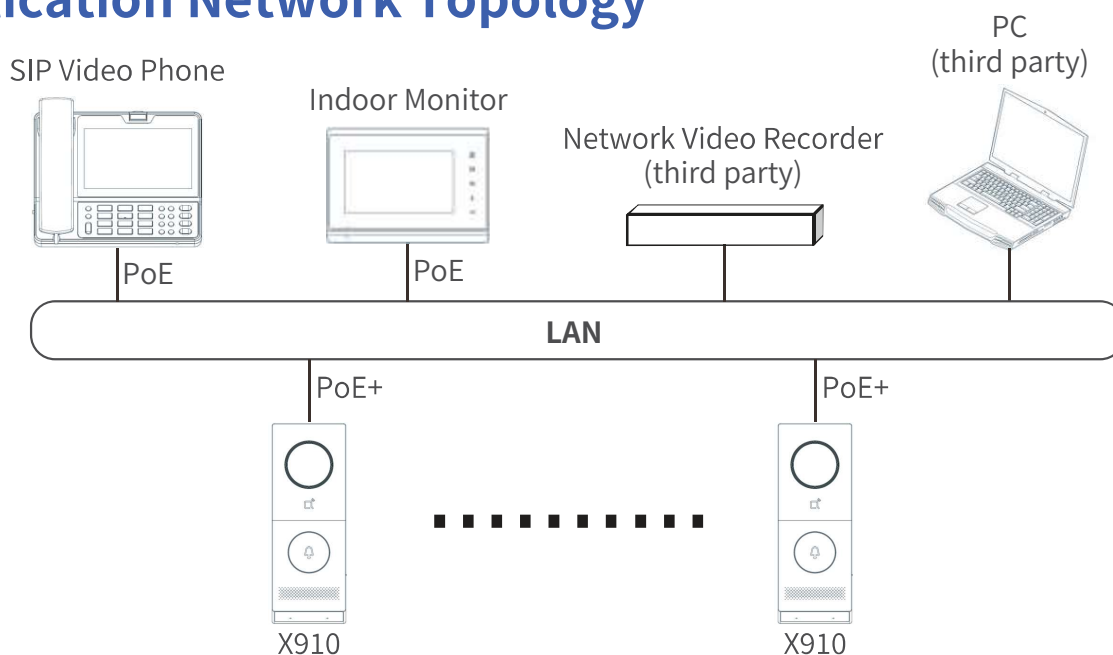


Use **Allen wrench** to tight **handless screw** for fixing device.



Check if the main unit is flush with the wall. Ensure all connections are secure and the device powers on properly, then the installation is complete.

## Application Network Topology



## Device Test

Please verify the device status after installation:

- Network:** Press and hold **Call button** to obtain IP address, network is working properly if the device announce IP address. If no IP address is obtained, X910 will announce “IP 0.0.0.0” .
- Intercom:** Press **Call button** to make a call. The call configuration is correct if the call is successful.
- Access Control:** Use pre-configured RF card to unlock door.

## Warranty

- Akuvox warranty does not cover intentional mechanical damage or destruction caused by improper installation.
- Do not attempt to modify, alternate, maintain, or repair device by yourself. Akuvox warranty does not apply to damages caused by anyone who is not representative of Akuvox or an Akuvox authorized service provider. Please contact Akuvox Technical Team if the device need to be repaired.

## Get Help

For help or more assistance, contact us at:



<https://ticket.akuvox.com/>



[support@akuvox.com](mailto:support@akuvox.com)

Scan the QR code to get more videos, guides, and additional product information.



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