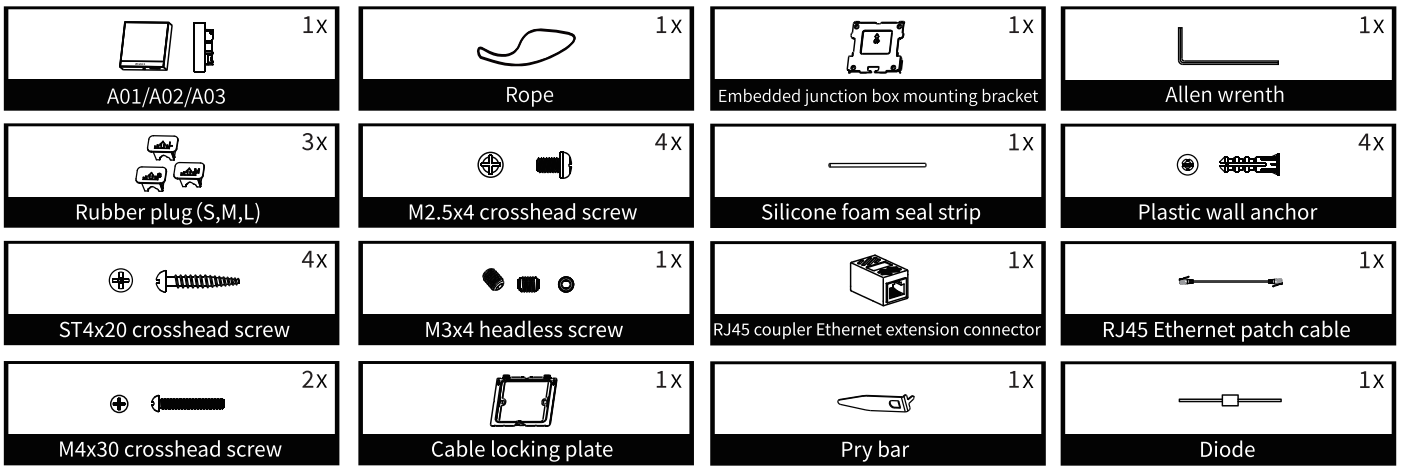
Akuvox Smart Intercom

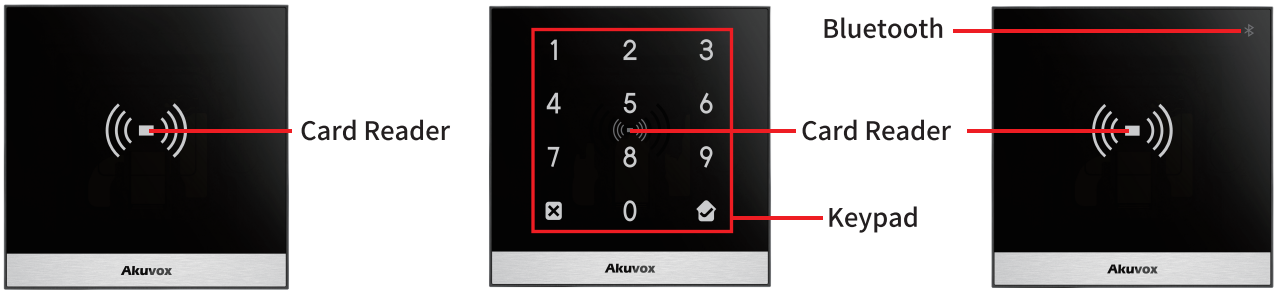
A01/A02/A03 Quick Installation Guide

Unpacking

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



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 PoE or 12VDC 1A power adapter to power on device.

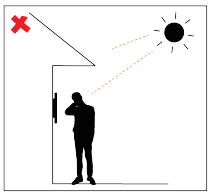
AWG Sizes and Properties Table

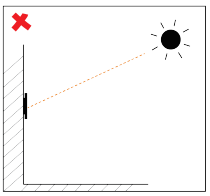
Please follow the properly wire data to install device:

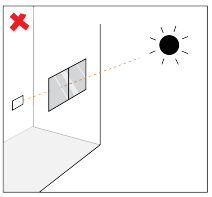
Power Supply	12VDC 1A			
AWG	20	22	24	26
Resistance (ohm/km)	33.9	48.5	79.6	128
Cross-sectional Area (mm^2)	0.5189	0.3247	0.2047	0.14
Wire Length (m)	⩽50	⩽40	⩽30	⩽15

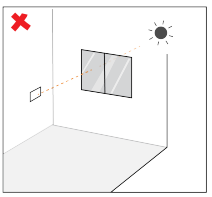
Requirements

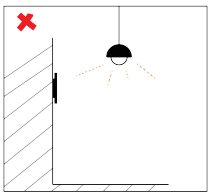
1.Place the device away from sunlight and light sources to prevent potential damage.
2.Do not place the device in the high-temperature, and humid environments or in surroundings impacted by magnetic field.
3.Install the device on the flat surface securely to avoid personal injuries and property loss 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

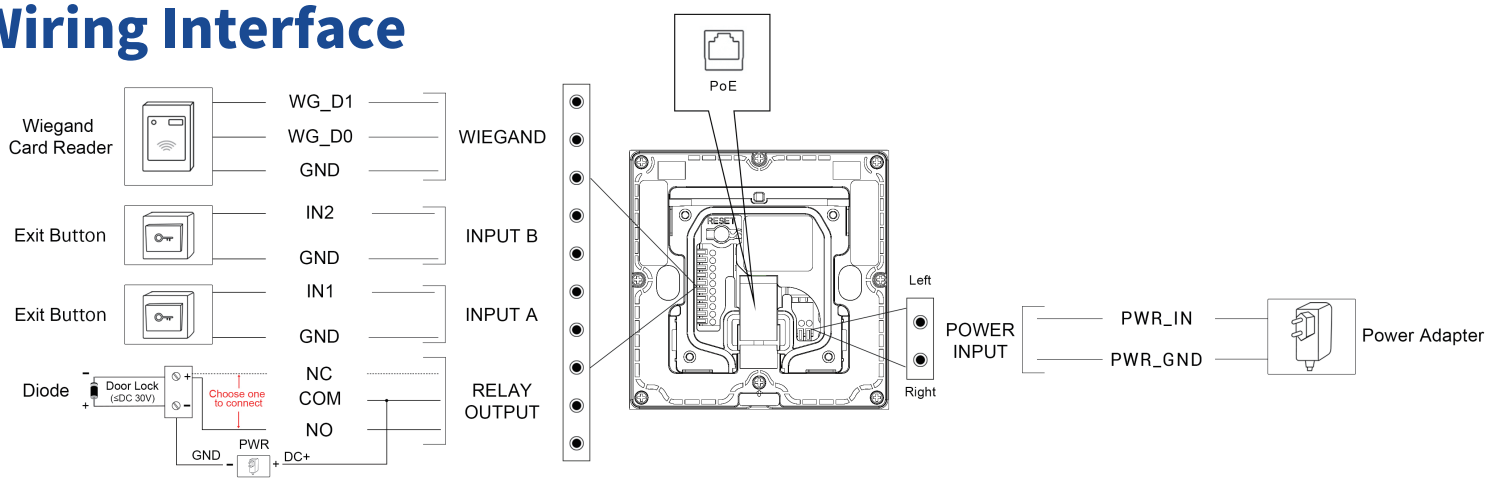
Warning!

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.

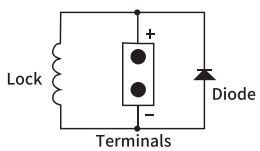
Caution

1. Do not knock device with hard objects.
2. Do not press down hard on the device screen.
3. Do not expose device to chemical products, such as alcohol, acid liquid, disinfectants, and so on.
4. 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.
5. Use wet cloth clean device surface softly, and then wipe the surface with dry cloth for cleaning the device.
6. 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



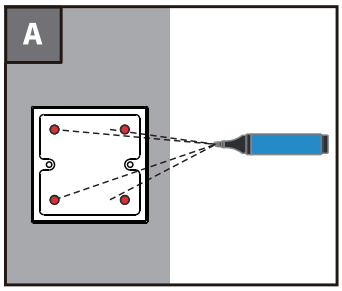
To protect the device from potential damage caused by over-voltage, it is recommended to wire a diode into the circuit. Connect the anode of the diode to the negative cable of the lock, and connect the cathode of the diode to the positive cable of the lock.



Installation

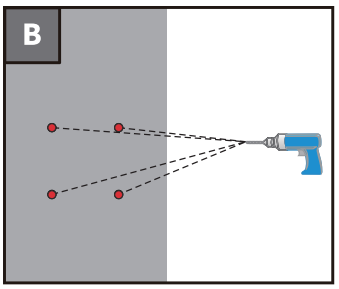
Step 1: Bracket Installation

1. Wall-mounting Installation

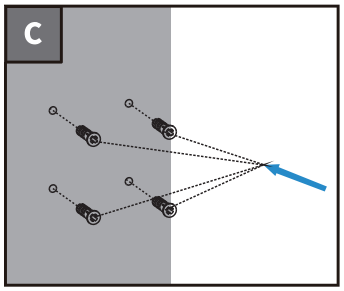


Mark the positions of the four holes of the junction box at the hole center.

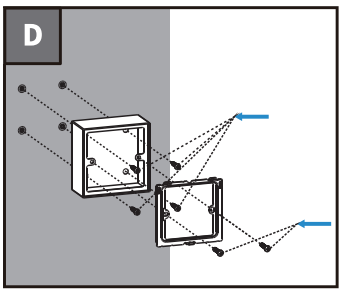
Note: The junction box shall be at least 1100mm in height.



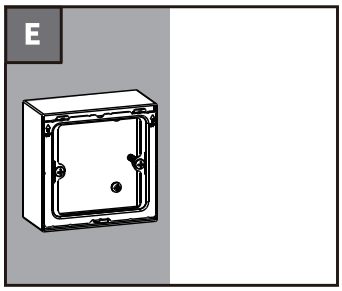
Drill the four marked holes using 6mm drill bit hand drill. The drilled hole depth should be 30mm.



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

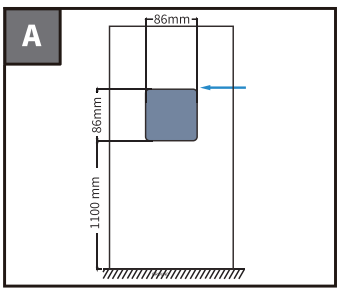


a. Fix the the junction box on to the wall by using four **ST4x20 crosshead screws**.
b. Fix the cable locking plate on to the junction box using two **M4x30 crosshead screws**.



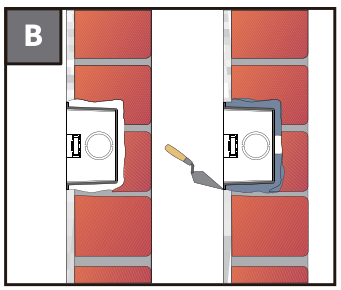
Junction box installation is completed.

2. Flush-mounting Installation

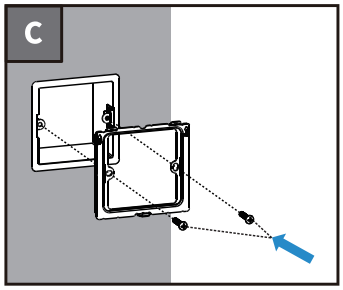


a. Cut out a square hole with the dimension(height*width*depth =86*86*50mm).
b. Lead a cable from the square hole in to the junction box.

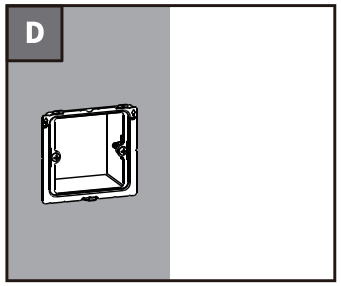
Note: Skip this step if the junction box have already embedded in the wall.



a. Fill in the gap between the square hole and the junction box with cement or other non-corrosive construction adhesive.
b. Wait until the cement or the adhesive become hardened before proceeding to the next step.



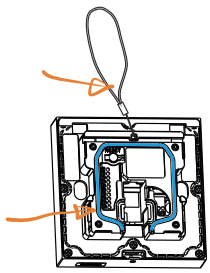
Fix the junction box component on to the junction box using two **M4x30 crosshead screws**.



The junction box installation is completed.

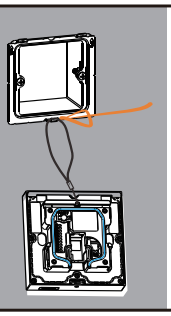
Step 2: Main Unit Installation

A



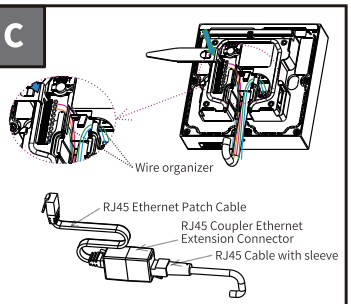
a. Lead the provided rope through the rope hole at the back of the device.
b. Fill in the grove using the **silicone foam strip.**

B



Hang the **rope** onto the hook hanger on the junction box.

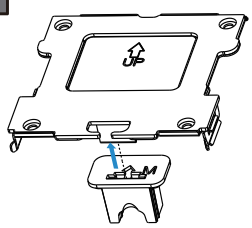
C



Insert **RJ45 cable** (with no sleeve attached) and press down the terminal slot using the **pry bar** to secure all the signal wires in their corresponding slot.

Note:
a. Make sure that all the connection wires are organized under the wire organizer.
b. If the **RJ45 extension cable** is with a sleeve, then you should insert **RJ45 Ethernet patch cable** instead and connect it to the **RJ45 coupler Ethernet connector** before connecting the **RJ45 cable** (with sleeve) to the connector otherwise it can not be properly sealed against the water.

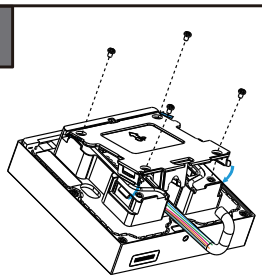
D



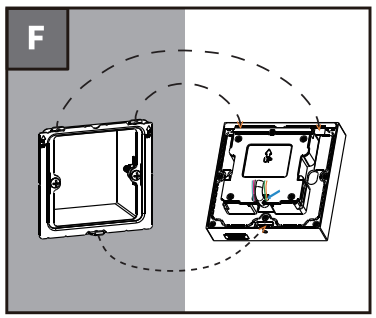
Plug the **rubber plug** into the corresponding plug opening in the direction as indicated.

Note: When there is only one **Ethernet cable**, select suitable size **rubber plug**(S, M, L) according to the length pf the signal wire.

E

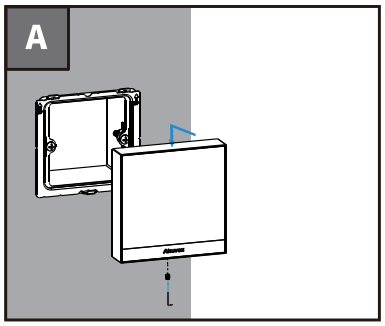


Insert the cable locking plate and tighten it using four **M2.5x4 crosshead screws**.

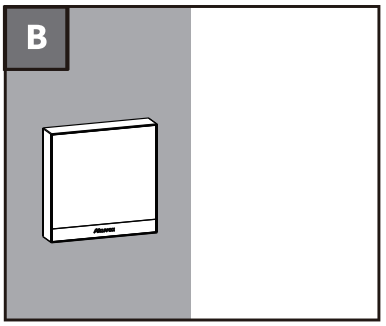


a. Make all cables go through the groove of the cable locking plate.
b. Hang the device onto the junction box mounting bracket while pushing it down against the corresponding hook hanger.

Step 3: Device Mounting

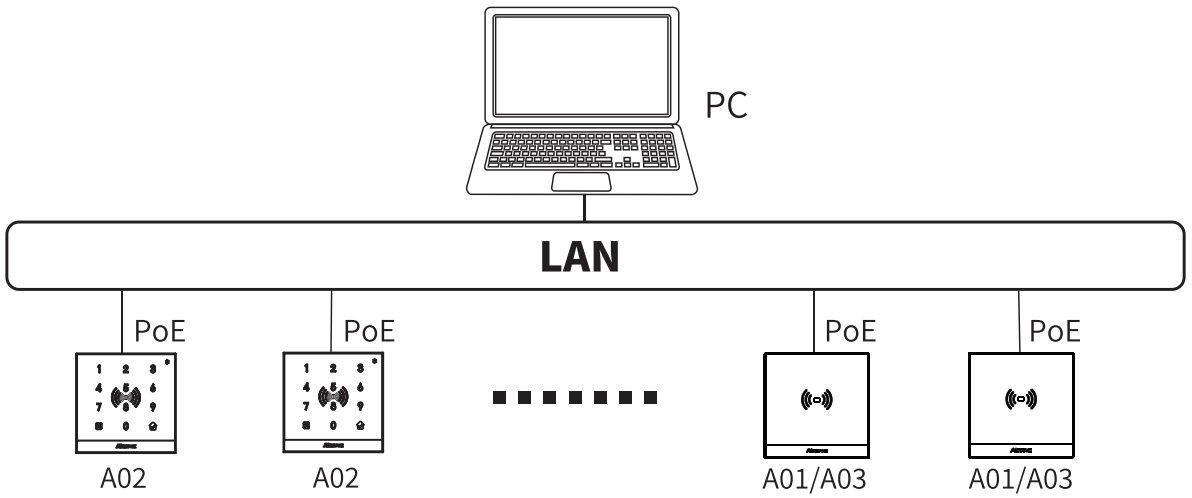


Push the device against the hook hanger and tighten the device with a **M3x4 headless screw** using **Allen wrench** as indicated in the drawing.



Installation completed.

Application Network Topology



Device Test

Please verify the device status after installation:
1.**Network**: Long press **Rest Button** on the back of device for 5 seconds, the device will announce IP address. Network is working properly if the IP address is obtained.
2.**Access Control**: Use pre-configured RF card and PIN code (for A02) to unlock door.

Warranty

1.Akuvox warranty does not cover intentional mechanical damage or destruction caused by improper installation.
2.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
Scan the QR code to get more videos, guides, and additional product information.

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