Akuvox Smart Intercom

Unpacking

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

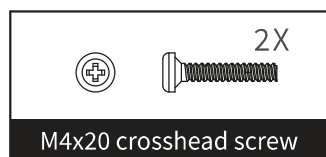|	
1X — X937	1X — Wall-mounting bracket
4X — Plastic wall anchor	4X — ST4x20 crosshead screw
2X — M4x20 crosshead screw	1X — Allen wrench
2X — Diode	1X — 11-Pin cable
1X — 2-Pin cable	2X — 10-Pin cable
1X — Flush-mounting box	

Product Overview

PS/ALS Sensor

Camera

SPK-L1

SPK-L2

SPK-R1

SPK-R2

MIC-1 MIC-2 MIC-3 MIC-4
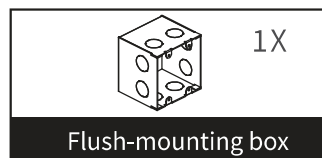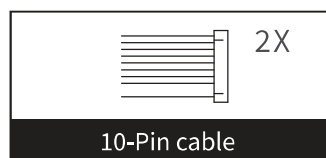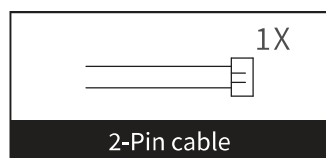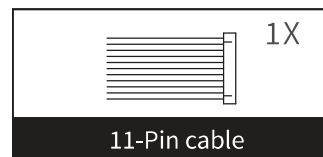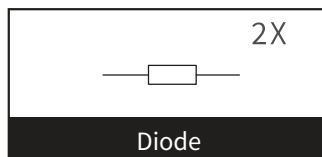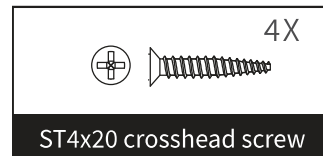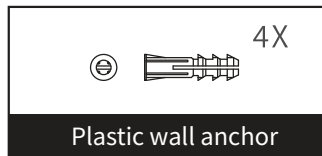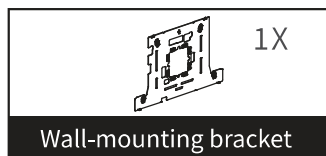
Before You Start

Tools needed

(not included in shipped box)

- Cat Ethernet Cable
- Crosshead Screwdriver
- Electric Dril

Voltage and Current Specifications

- It is suggested that use PoE or 12VDC 2A power adapter to power on device.

AWG Sizes and Properties Table

| Power Supply	12VDC 2A			
AWG	16	18	20	22
Resistance (ohm/km)	13.5	21.4	33.9	48.5
Cross-sectional Area (mm^2)	1.318	0.8107	0.5189	0.3247
Wire Length (m)	⩽50	⩽50	⩽50	⩽40

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. Please keep device at least 2 meters away from light, and at least 3 meters away from window and door.
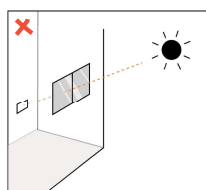
Direct sun through window
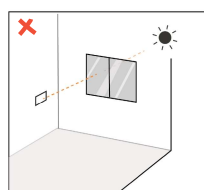
Indirect sunlight through window

Close to light

Akuvox Smart Intercom
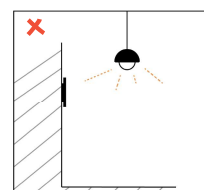
⚠ Warning!

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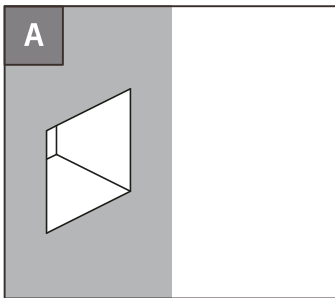
Wiring Interface
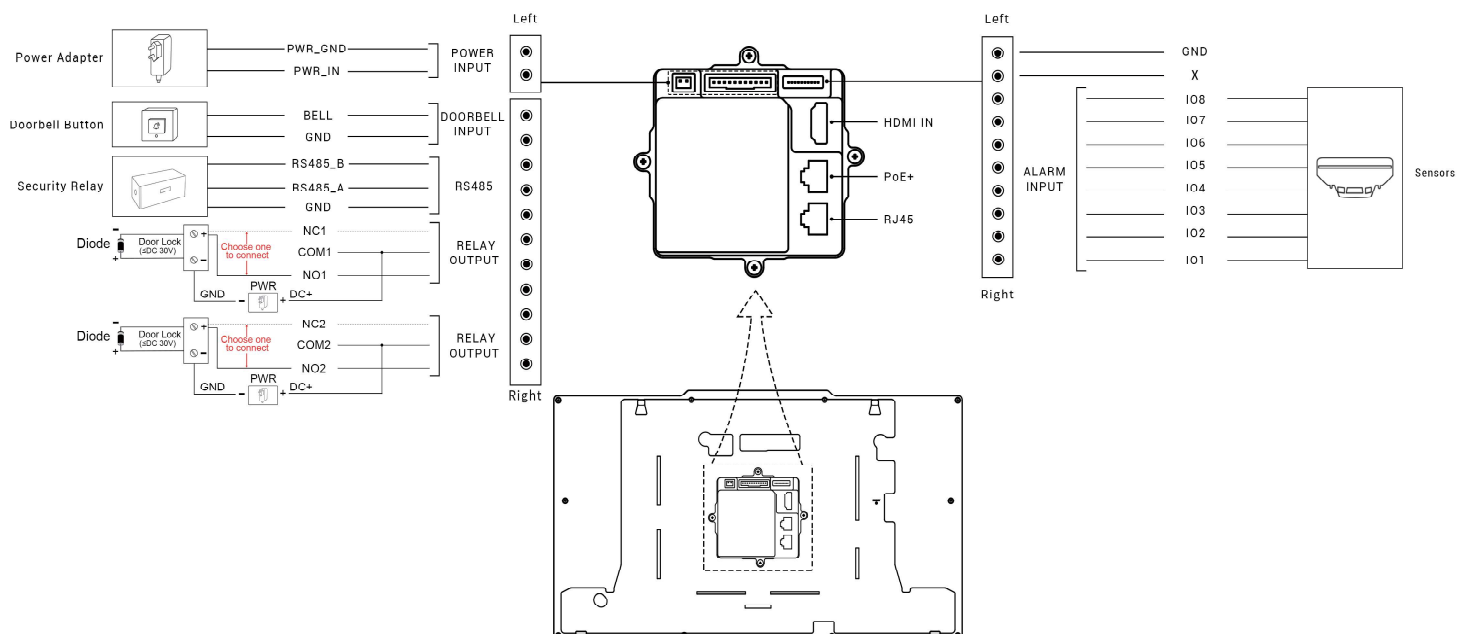
To protect the device from potential damage caused by over-voltage, it is recommended to wire a diode into the circuit. Connect the anode of the diode to the negative cable of the lock, and connect the cathode of the diode to the positive cable of the lock.
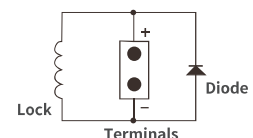
Installation

Step 1: Flush-mounting Box Installation
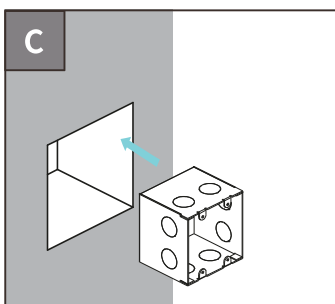
1. With a flush-mounting box in the wall

A

According to the position of the cable in the wall, dig out a square hole (height*width*depth=102*102*90mm) that can accommodate all cables.

> **Note**: The size may need to be slightly larger depending on the actual situation. Please ensure all necessary cables are inside the hole and route, or reserve conduits for required wiring.

B
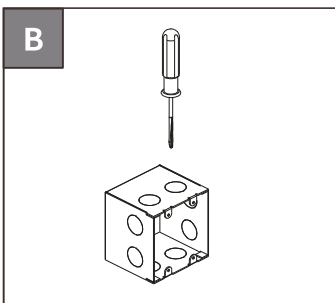
a. Take out the **flush-mounting box** and break out the needed wiring holes.
b. Lead wires go through the wiring holes.

C

a. Press the **flush-mounting box** into the square hole , ensuring that the flush-mounting box is not protruding from the wall surface.
b. Fill the gap between the wall and the flush-mounting box with cement or non-corrosive adhesive. And apply the same decorative material as the surrounding wall to the surface of the gaps.
c. Wait for the cement to dry before proceeding to the next step.

D
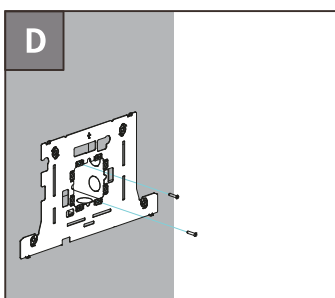
Take out the **wall-mounting bracket** and use two **M4x20 crosshead screws** to fix it on the flush-mounting box.

2. Without a flush-mounting box in the wall

A
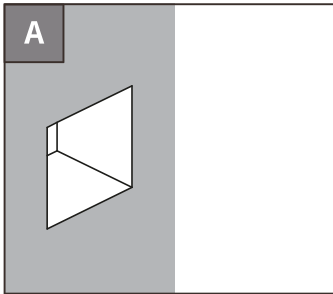
According to the position of the cable in the wall, dig out a square hole (height*width*depth=75*75*90mm) that can accommodate all cables.
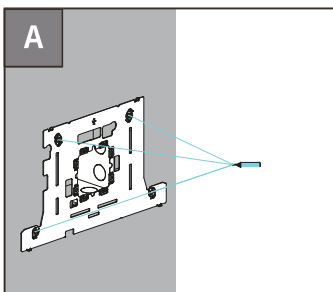
> **Note**:
> - If the HDMI cable is not needed for use, the depth can be reduced to 70mm.
> - Ensure all necessary cables are inside the opening, and pull out the required cables (or reserve a conduit for wiring).
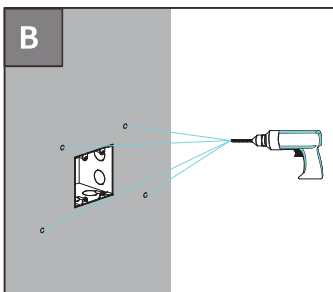
B
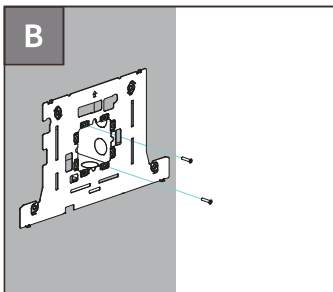
Take out the **wall-mounting bracket**, align the cable hole of the wall-mount bracket with the wall opening and adjust it to a level position.
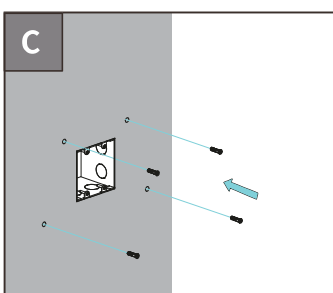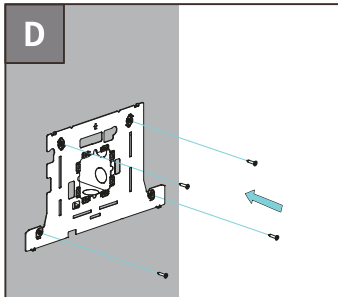
3. Secure bracket

A

Mark the four fixing holes through the **wall-mounting bracket** on the wall.

B

a. Take down the **wall-mounting bracket.**
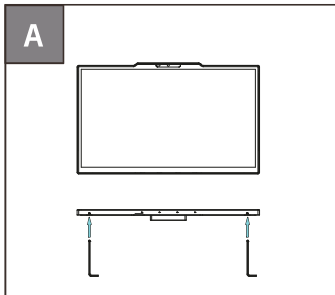b. Use a 6mm hand drill to make the four fixing holes on the wall marked before, each with a depth of 25mm.

C

Insert the **plastic wall anchors** attached into the fixing holes.

Akuvox Smart Intercom

Fix the **wall-mounting bracket** on the wall with four **ST4x20 crosshead screws.**

Step 2: Device Mounting

Take out the main unit and check if the two **M4 set screws** at the bottom are properly positioned in the screw holes. Ensure the screw bottoms are flush with or slightly protruding from the bottom surface of the main unit. Please do not tighten them inward, as this may affect the installation.
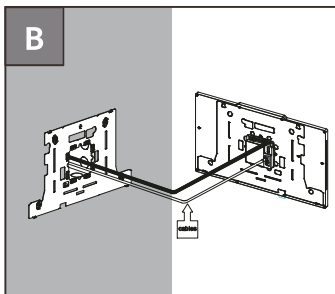

Connect all cables to the device (for details, please refer to **Device Wiring** section).
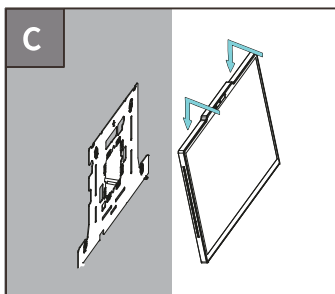
a. Hold the main unit and slightly tilt it (with the bottom slightly outward).
b. Gently slide the upper hooks of the main unit into the top hooks of the wall-mounting bracket.
c. Move the bottom of the main unit backward until it fully fits against the wall-mounting bracket.
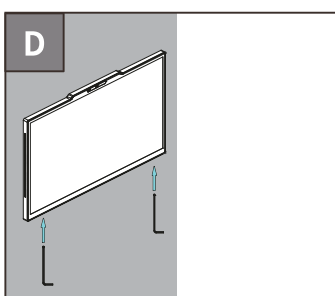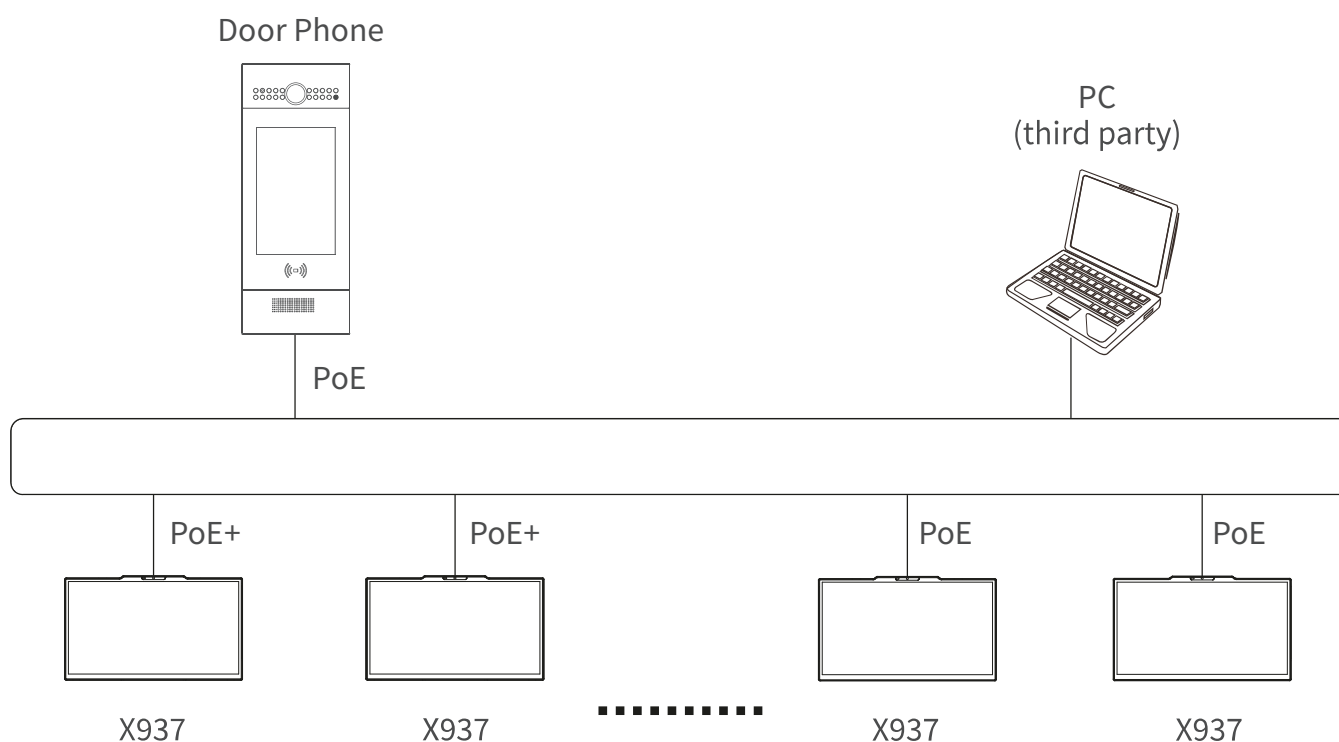

Use **Allen wrench** to tighten two **M4 set screws.**

E
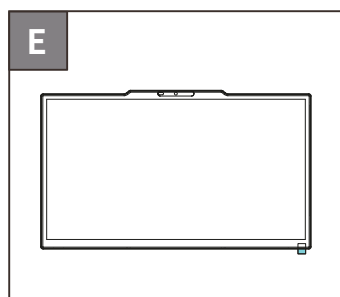
The installation is completed, please remove the protective film.

Application Network Topology

Door Phone

PC
(third party)

PoE

PoE+   PoE+   PoE   PoE

X937   X937   X937   X937

Device Test

Please verify the device status after installation:

1.<u>**Network**</u>: Navigate to **Setting > System Info** to check the device's IP address and network status. Network is working properly if the IP address is obtained.

2.<u>**Intercom**</u>: Dial the callee's or APT number, and press **Dial** 📞 **icon** to make a audio call or press **Video** 📹 **icon** to make a video call. The call configuration is correct if the call is successful.

3.<u>**Access Control**</u>: Press **Unlock** 🔓 **icon** on the monitor interface to unlock the 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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