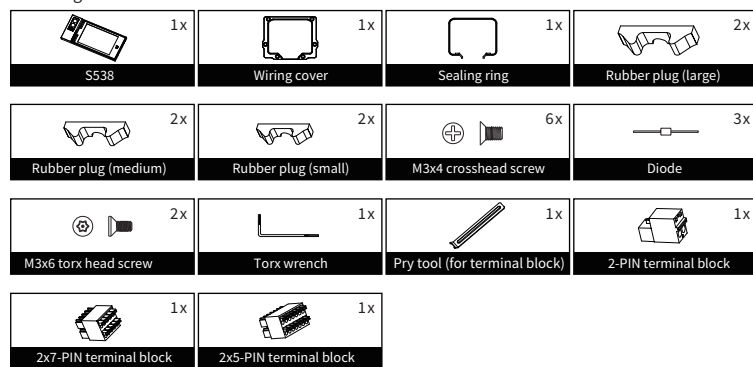


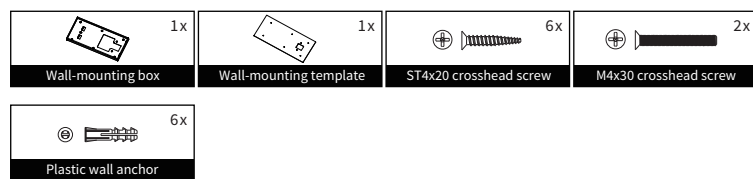
## Unpacking

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

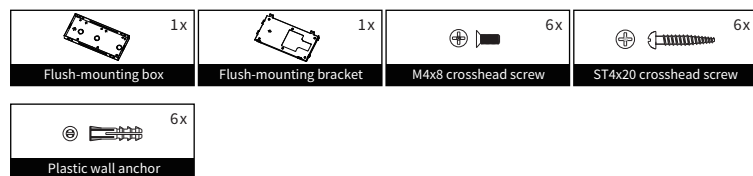


## Optional Accessories:

Wall-mounting Accessories (Please find in On-Wall Installation Kit Box):



Flush-mounting Accessories (Please find in In-Wall Installation Kit Box):



## Product Overview



**S538**

## Before You Start

### Tools needed

(not included in shipped box)

- Spirit Level
- Crosshead Screwdriver
- Electric Drill

### Voltage and Current Specifications

- It is suggested that use 24V DC/2.5A power adapter to power on device.

### AWG Sizes and Properties Table

Please follow the properly wire data to install device:

Power Supply	24V DC/2.5A				
AWG	16	18	20	22	24
Resistance(ohm/km)	13.5	21.4	33.9	48.5	79.6
Cross-sectional Area(mm <sup>2</sup> )	1.318	0.8107	0.5189	0.3247	0.2047
Wire Length(m)	≤40m	≤25m	≤15m	≤10m	≤5m

### 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.



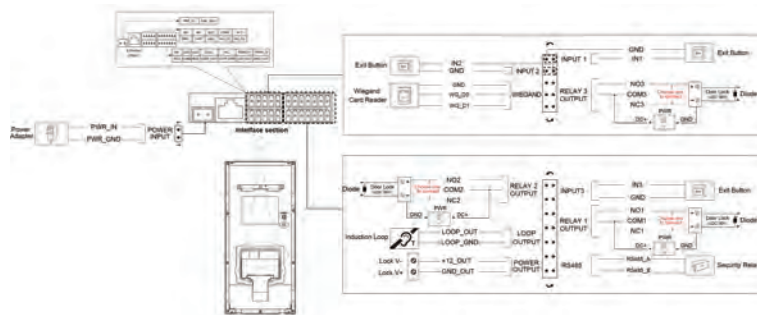
### ⚠ Warning!

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.

### ⚠ Caution

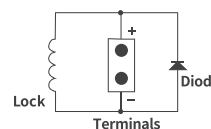
1. Do not knock device with hard objects.
2. Do not press down hard on the device screen.
3. Do not expose device to chemical products, such as alcohol, acid liquid, disinfectants, and so on.
4. To prevent the device installation from becoming loose, ensure accurate diameters and depths of screw holes. 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



### ⚠ Warning

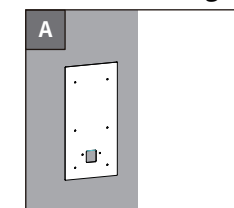
To protect the device from potential damage caused by over-voltage, it is recommended to wire a diode into the circuit. Connect the anode of the diode to the negative cable of the lock, and connect the cathode of the diode to the positive cable of the lock.



## Installation

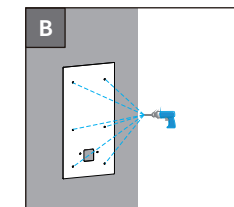
### Step1: Bracket/Box Installation

#### 1. Wall Mounting

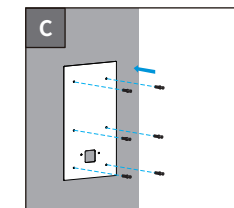


Apply the **wall-mounting template** to the desired location. Ensure all necessary cables pass through the designated cutout on the template.

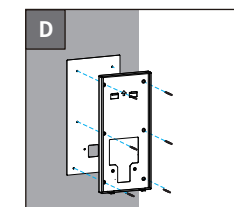
**Note:** If there is a **86-embedded box** installed in the wall, please align corresponding the screw holes.



Use a **6mm electric drill** to make six holes with 25mm depth at the marked positions on the mounting template.



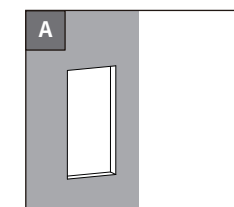
Insert six plastic wall anchors into the holes.



- a. Use six **ST4x20 crosshead screws** to fix the wall-mounting box on the wall.
- b. Or use four **ST4x20 crosshead screws** and two **M4x30 crosshead screws** to fix the **wall-mounting box** on the **86-embedded box**.

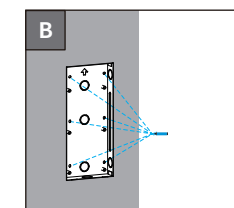
#### 2. Flush Mounting

##### 2.1 Normal Installation

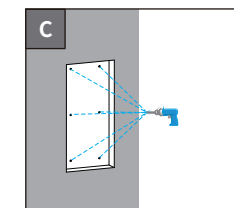


- a. Dig out a square hole on the wall (height\* width\*depth= 290\* 130\* 34mm).
- b. Lead cables through the hole, or reserve the PVC conduit.

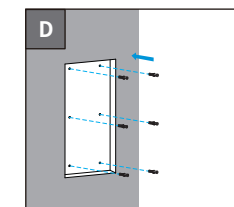
**Note:** The hole can be larger than recommended size based on the actual situation.



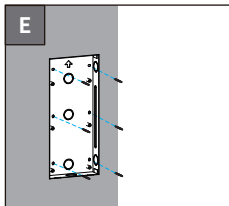
- a. Knock off a cable hole of flush-mounting box.
- b. Place the box on the hole, and lead cables through the hole.
- c. Mark six holes of the box on the wall.



Remove the box and use a **6mm electric drill** to make six holes on the marked position with 25mm depth.

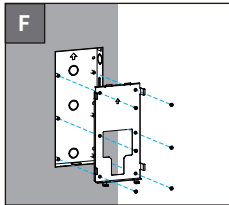


Insert six **plastic wall anchors** into the holes.



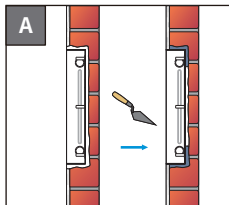
- Place the **flush-mounting box** on the hole, and lead cables through the hole.
- Use six **ST4x20 crosshead screws** to fix the box on the wall.

**Note:** The edge of the flush-mounting box should be aligned with wall, and the inclination angle of the box should be less than 2°.



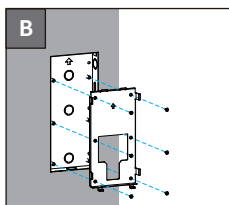
Use six **M4x8 crosshead screws** to fix the **flush-mounting bracket** on the box.

## 2.2 Simple Installation (with lower resistance of vandalism)



- Use cement or non-corrosive structural adhesive to fill the gap between the wall and **flush-mounting box**.
- Ensure that the adhesive material dry before proceeding to the next step.

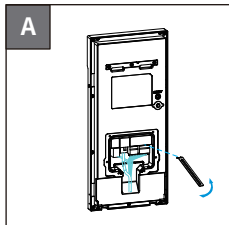
**Note:** To prevent water from entering the back cover of the door phone, it is recommended to fill the gaps around with waterproof material.



Use six **M4x8 crosshead screws** to fix the flush-mounting bracket on the box.

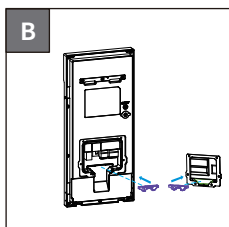
## Step2: Wiring Cover Installation

### Wall-Mounting & Flush-Mounting

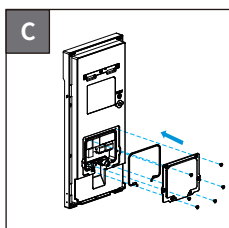


- Take out the main unit, then connect the wires to the **terminal blocks** (for details, refer to "Device Wiring").
- Insert the **terminal blocks** into the corresponding interface of the **main board**.

**Note:** The pry tool can be used to unplug the terminal block.

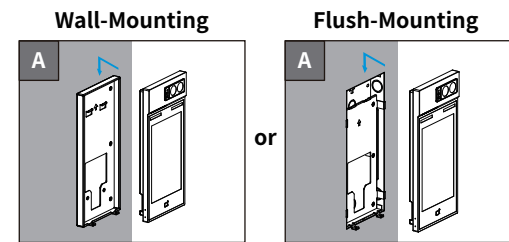


- Choose two **rubber plugs** of suitable size (small, large and medium).
- Insert one into the back cover of device.
- Insert another into the corresponding groove of the wiring cover.

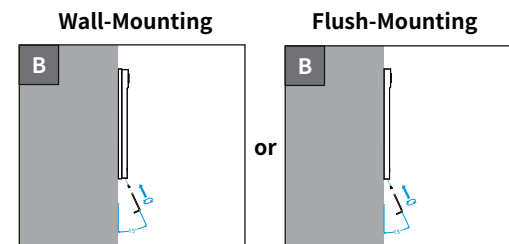


- Press **sealing ring** and **wiring cover** into the corresponding groove.
- Tighten the **wiring cover** by six **M3x4 crosshead screws**.

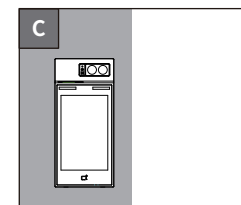
## Step3: Device Mounting



Align the device with the wall-mounting bracket (or flush-mounting box) and gently slide it downward until it securely engages with the top and bottom hooks.

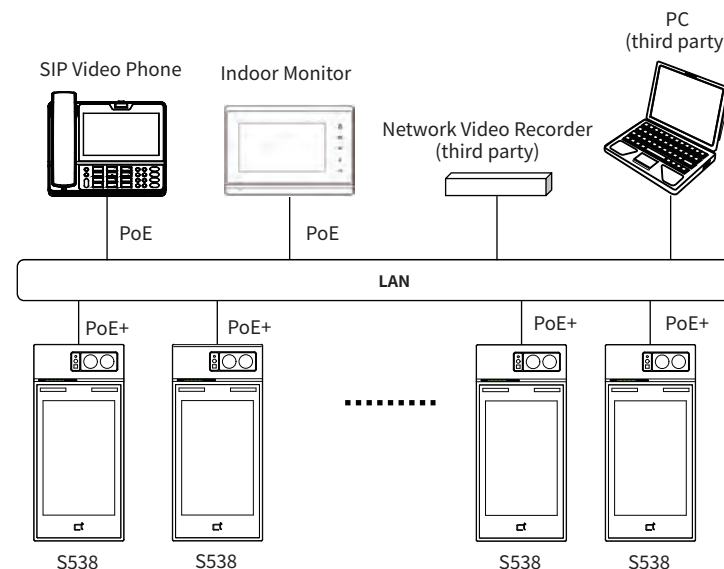


Use **Torx wrench** to screw **M3x6 Torx head screw** into the screw hole on the bottom of device diagonally upward.



Installation is completed, please remove the **protective film**.

## Application Network Topology



**NOTICE:**  
Quick guide can be viewed on Global Visions website.



**GLOBAL VISIONS INC.**  
877-725-8869  
www.globalvisionsinc.com

## Device Test

Please verify the device status after installation:

- Network:** Press 9999 on the **dial screen**, then press 3888 to enter the **system screen** and click **Info** to check the device IP address. Network is working properly if the IP address is obtained.
- Intercom:** Click **Call Icon**, then enter the IP or SIP number to make a call. The call configuration is correct if the call is successful.
- Access Control:** Use pre-configured PIN code, RF card and face to unlock door.



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