

## Unpacking

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

 1x E12S-2	 1x Sealing pad	 4x M3x4 crosshead screw	 1x Wall-mounting bracket
 1x Wiring cover	 1x Torx wrench	 1x Diode	 4x Plastic wall anchor
 4x ST4x20 crosshead screw	 1x 7-PIN cable	 1x 6-PIN cable	 2x M3x6 Torx head screw
 1x Wall-mounting template			

## Product Overview



## Before You Start

### Tools needed

- Crosshead Screwdriver
- Electric Drill

## Voltage and Current Specifications

- It is suggested that use 48VDC/24VDC power adapter to power on device.

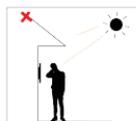
## AWG Sizes and Properties Table

Please follow the properly wire data to install device:

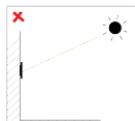
Power Supply		48VDC/24VDC		
AWG		18	20	24
Resistance (ohm/km)		21.4	33.9	89.4
Cross-sectional Area (mm <sup>2</sup> )		0.8107	0.5189	0.2047
Wire Length (m)	48V	≤300	≤300	≤300
	24V	≤300	≤250	≤150

## Requirements

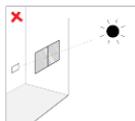
1. Place the device away from sunlight and light sources to prevent potential damage.
2. Do not place the device in the high-temperature, and humid environments or in surroundings impacted by magnetic field.
3. Install the device on the flat surface securely to avoid personal injuries and property loss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

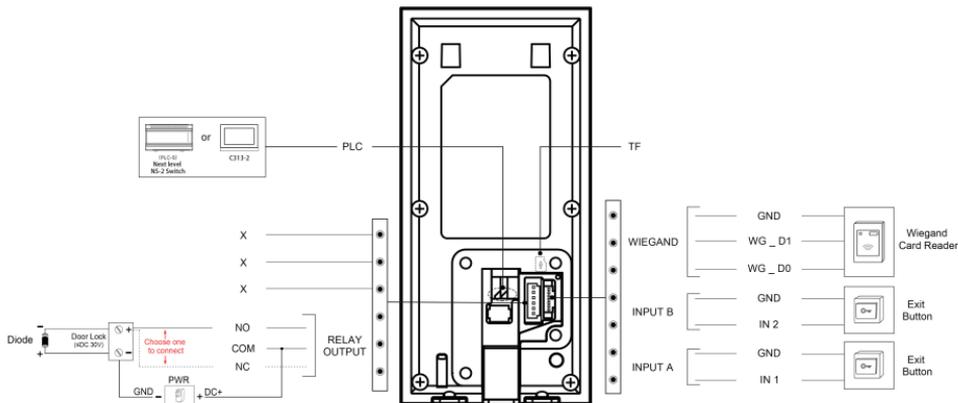
## Warning!

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

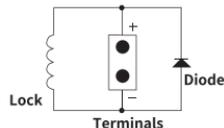
1. Do not knock device with hard objects.
2. Do not press down hard on the device screen.
3. Do not expose device to chemical products, such as alcohol, acid liquid, disinfectants, and so on.
4. To prevent the device installation from becoming loose, ensure accurate diameters and depths of screw holes.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

## Device Wiring

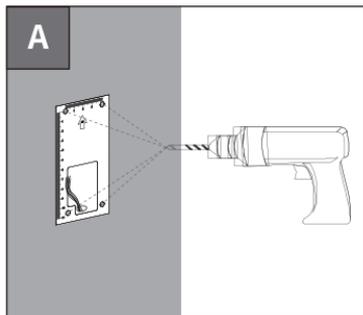


## Warning

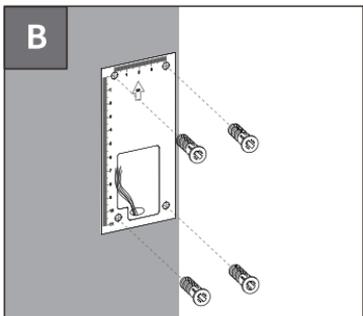
When you connect a device containing a coil, such as a relay or an electromagnetic lock, it is necessary to protect the intercom against voltage peak while switching off the induction load. For this way of protection we recommend a diode 1 A / 200 V (included in the accessories) connected antiparallel to the device.



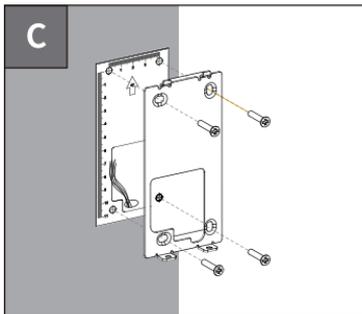
## Installation



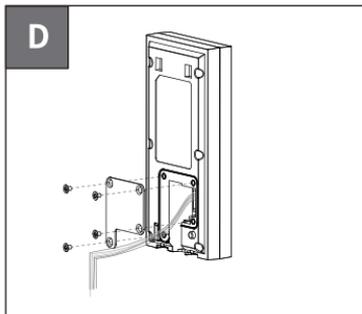
- Position the **wall-mounting template** closely against the wall, aligning it with the wire's location.
- Use a 6mm hand drill to drill four screw holes with a depth of 25mm.



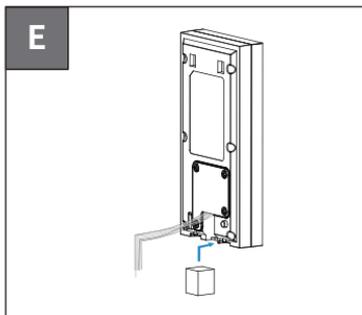
Insert four **plastic wall anchors** into the holes.



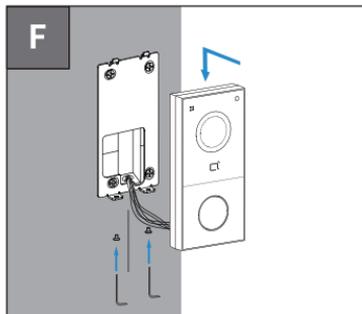
Fix the wall-mounting bracket to the wall by tightening four **ST4x20 crosshead screws** to the **plastic wall anchors**.



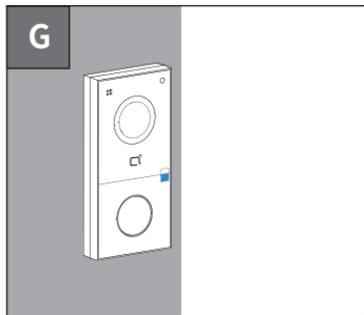
- Connect the wires to the corresponding interface (for details, refer to "Wiring Interface").
- Tighten the wiring cover with four **M3x4 crosshead screws**.



Insert the **sealing pad** into the wire opening as indicated in the figure, pushing it upward to ensure a tight seal of the opening.

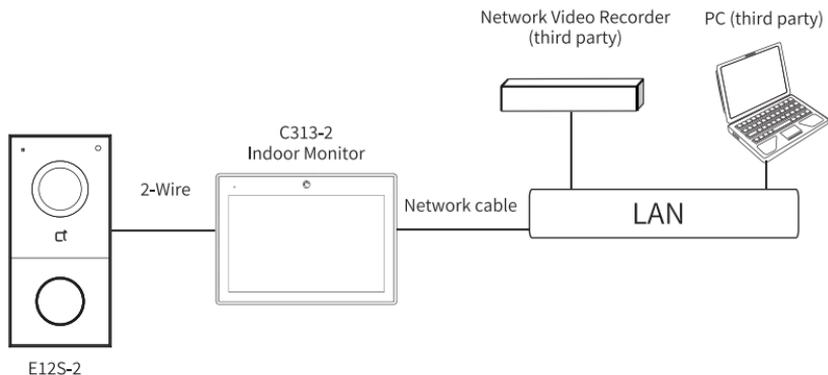


- Hang the slot onto the back upper part of the main unit into the corresponding hooks of the wall box, and then gently lower the main unit into the wall box.
- Use the Torx wrench to tighten the device with two **M3x6 Torx screws** at the bottom.



This installation is completed, please remove the protective film.

## Application Network Topology



## LED Status Information

LED Status		Description
Blue	Always on	Normal status
	Flashing	Calling/ Receiving a call
Red	Flashing	Offline
Purple	Always on	Talking on a call
Red & Blue	Flashing	Emergency alarm

**Note:** For more LED settings, please check in **Device > LED Setting** of E12X Web UI.

## Device Test

Please verify the device status after installation:

- 1. 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, E12X will announce "IP 0.0.0.0".
- 2. Intercom:** Press **Call button** to make a call. The call configuration is correct if the call is successful.
- 3. 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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