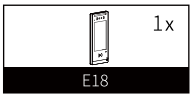
Unpacking

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

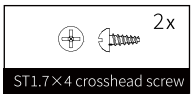

1x
E18

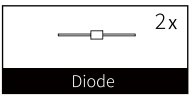

1x
Wiring cover

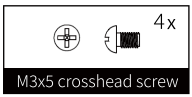

3x
Rubber plug


1x
Sealing ring

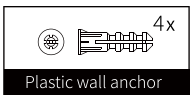

1x
Sealing pressing plate


2x
ST1.7×4 crosshead screw


2x
Diode

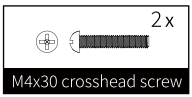

4x
M3x5 crosshead screw

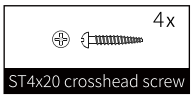

2x
M3x9.5 Torx head screw


4x
Plastic wall anchor

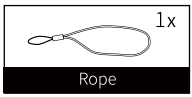

1x
Torx wrench


2x
Wall-mounting bracket

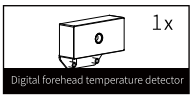

2x
M4x30 crosshead screw

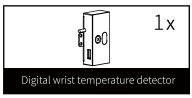

4x
ST4x20 crosshead screw

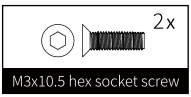

1x
Removal tool


1x
Rope

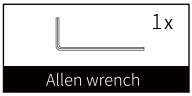
Optional Accessories:


1x
Digital forehead temperature detector


1x
Digital wrist temperature detector


2x
M3x10.5 hex socket screw


2x
M3x6 hex socket screw


1x
Allen wrench

Product Overview



E18

Before You Start

Tools needed

(not included in shipped box)

- Cat Ethernet Cable
- Crosshead Screwdriver
- Electric Drill

Voltage and Current Specifications

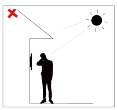
- It is suggested that use PoE or 12VDC 2A power adapter to power on device.

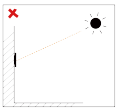
AWG Sizes and Properties Table

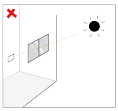
Power Supply	12VDC 2A	
AWG	20	22
Resistance(ohm/km)	33.9	48.5
Cross-sectional Area(mm^2)	0.5189	0.3247
Wire Length(m)	⩽20	⩽10

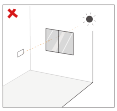
Requirements

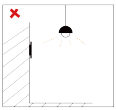
1.Place the device away from sunlight and light sources to prevent potential damage.
2.Do not place the device in the high-temperature, and humid environments or in surroundings impacted by magnetic field.
3.Install the device on the flat surface securely to avoid personal injuries and property loss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

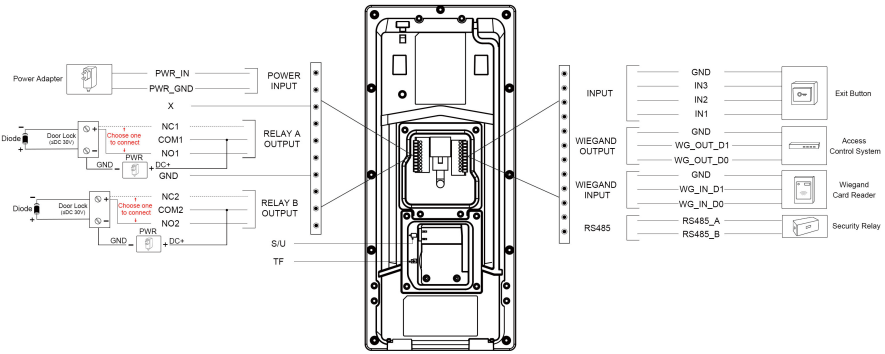
Warning!

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.

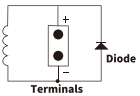
Caution

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



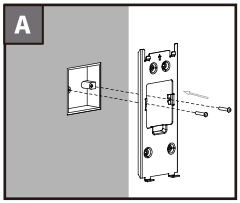
To protect the device from potential damage caused by over-voltage, it is recommended to wire a diode into the circuit. Connect the anode of the diode to the negative cable of the lock, and connect the cathode of the diode to the positive cable of the lock.



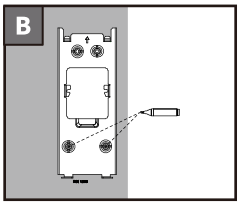
Installation

Step 1: Wall-mounting Bracket Installation

1.1 With electrical junction box (86x86 mm or 2x3 mm inches in size)

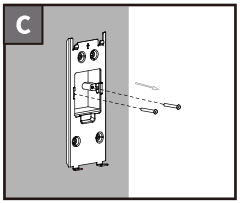


Fix the **wall-mounting bracket** on the embedded box with two **M4x30 crosshead screws.** Please ensure that all necessary cables can be put into embedded box.

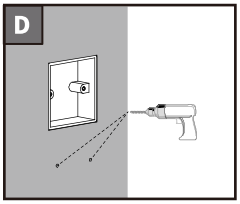


Mark the two positioning holes of the **wall-mounting bracket** on the wall.

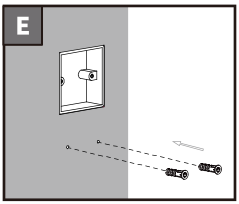
Note: the positioning holes should be marked in the center of the holes.



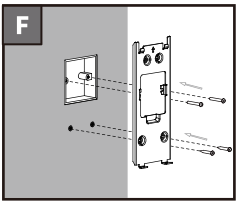
Remove the two **M4x30 crosshead screws** and take off the **wall-mounting bracket.**



Use a hand drill with 6 mm diameter bit to make two positioning holes with 25 mm in depth in the marked positions.

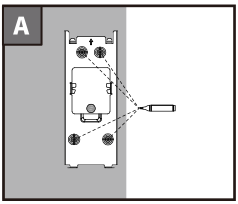


Insert two **plastic wall anchors** into the two drilled holes.



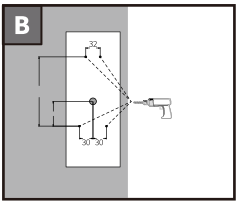
Fix the **wall-mounting bracket** with two **M4x30 crosshead screws** and two **ST4x20 crosshead screws.**

1.2 Without electrical junction box in the wall

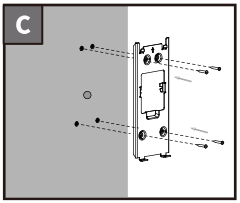


a.According to the position of the cable, put the **wall-mounting bracket** closely onto the wall and mark the four positioning holes.
b.Make sure that relative positions between **wall-mounting bracket** and wire hole are correct.

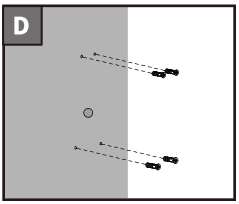
Note: the positioning holes should be marked in the center of the holes.



Take off the **wall-mounting bracket** and drill the four marked positioning holes and the wire holes using a 6 mm hand drill.



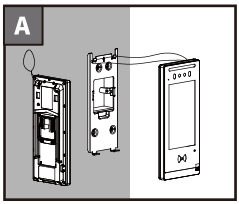
Insert four **plastic wall anchors** into the holes.



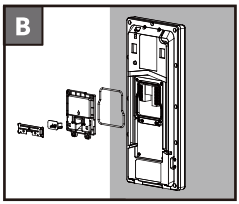
Fix the **wall-mounting bracket** with four **ST4x20 crosshead screws.**

Step 2: Device Mounting

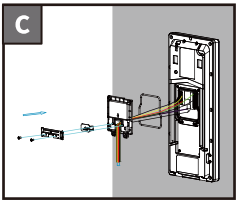
2.1 Without digital temperature detector



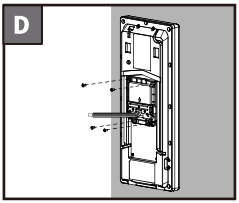
Hang device on the **wall-mounting bracket** with rope.



Take out the device along with the **wiring cover,sealing pressing plate, rubber plug, sealing ring** and corresponding screws.

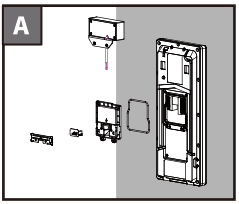


a.Lead the wires from the **wall-mounting bracket** through the square hole on the **sealing ring** and **wiring cover.**
b.Connect them to the corresponding interface of the main board, and put **sealing ring** on the corresponding place, close **wiring cover**.
c.Select a suitable size **rubber plug** to push all the cables into the **wiring cover.**
d.Fix **sealing pressing plate** to the **wiring cover** with two ST1.7x4 crosshead screws.



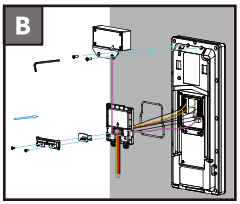
Use four **M3x5 crosshead screws** to lock the **wiring cover.**

2.2 Device installation with digital forehead temperature detector (optional)



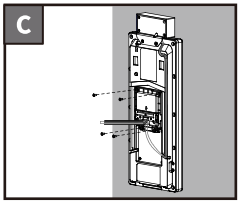
a.Take out the device and the **digital forehead temperature detector.**
b.Take out **wiring cover, sealing pressing plate, rubber plug, sealing ring** and corresponding screws.

Note: installation step of rope please refer to the first step of 2.1.



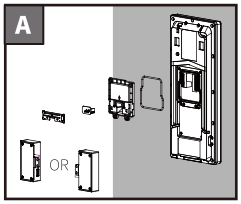
a.Fasten the detector on to the nuts on the device' s **wiring cover with two M3x10.5 hex socket screws** using the **Allen wrench** attached.
b.Lead the wires from the **wall-mounting bracket** and the detector through the square hole on the **sealing ring and wiring cover.**
c.Connect them to the corresponding interface of the main board, and put **sealing ring** on the corresponding place, close **wiring cover.**
d.Select a suitable size **rubber plug** to push all the cables into the wiring cover.
e.Fix **sealing pressing plate** to the **wiring cover** with two **ST1.7x4 crosshead screws.**

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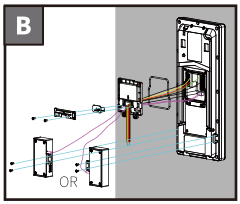
a.Use four **M3x5 crosshead screws** to lock the **wiring cover.**
b.Arrange and press the connecting wires of the forehead temperature module into the corresponding cable management slot on the **wiring cover.**

2.3 Device installation with digital wrist temperature detector (optional)

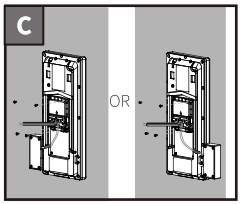


a.Take out the device and the **digital wrist temperature detector.**
b.Take out **wiring cover, sealing pressing plate, rubber plug, sealing ring** and corresponding screws.

Note: installation step of rope please refer to the first step of 2.1.

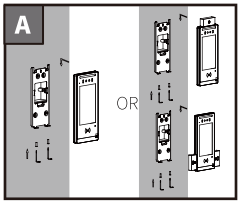


a.Use two **M3x6 hex socket screws** to lock the wrist source module to the nut on the wiring cover of the device.
b.Lead the wires from the **wall-mounting bracket** and the detector through the square hole on the **wiring cover.**
c.Connect them to the corresponding interface of the main board, and put **sealing ring** on the corresponding place, close **wiring cover.**
d.Select a suitable size **rubber plug** to push all the cables into the **wiring cover.**
e.Fix **sealing pressing plate** to the wiring cover with two **ST1.7x4 crosshead screws.**

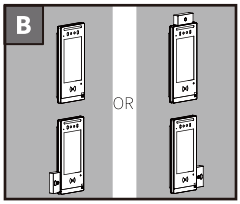


a.Use four **M3x5 crosshead screws** to lock the **wiring cover.**
b.Arrange and press the connecting wires of the wrist temperature module into the corresponding cable management slot on the **wiring cover.**

Step 3: Device Installation

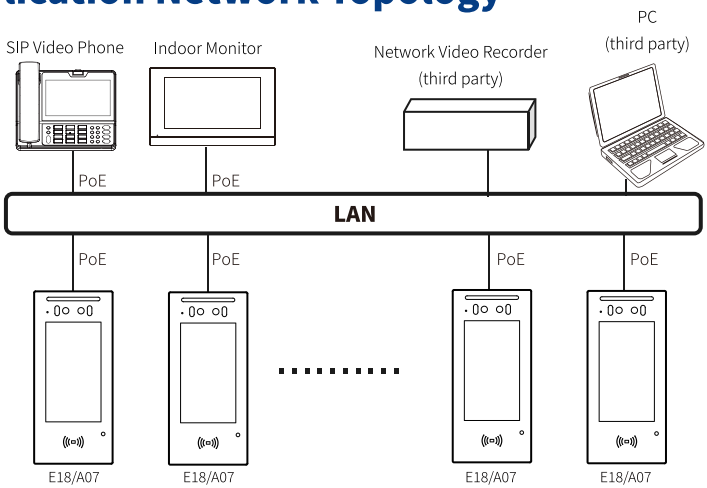


a.Hang the device on to the square hanger on the **wall-mounting bracket.**
b.Pull down the device to make it fall completely on to the square hanger on the **wall-mounting bracket.**
c.Use the **Torx wrench** attached to tighten the device with two **M3x9.5 Torx head screws.**



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

Application Network Topology



Device Test

Please verify the device status after installation:

1.**Network**: Long press screen for 5 seconds and enter default password **admin**, then tap **Confirm** to access System Info page. Check the device's IP address and network status. Network is working properly if the IP address is obtained.

2.**Intercom:** Tap **Dial** key, enter the IP or SIP number and press **Dial** key to make a call. Or, tap APT number to call. The call configuration is correct if the call is successful.

3.**Access Control:** Use pre-configured PIN code, RF card, and face 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

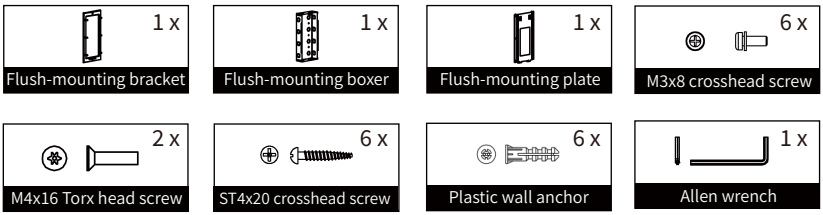
For help or more assistance, contact us at:
https://ticket.akuvox.com/
support@akuvox.com
Scan the QR code to get more videos, guides, and additional product information.

Notice Information

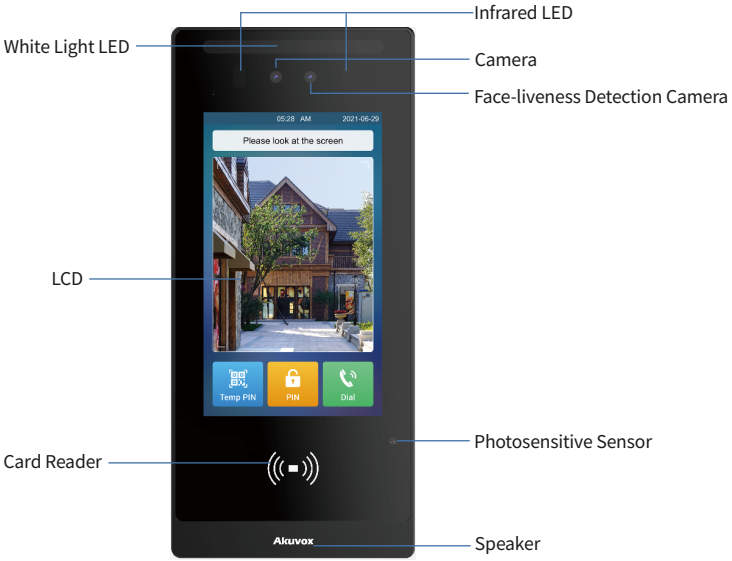
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Unpacking

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 2A power adapter to power on device.

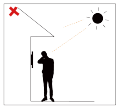
AWG Sizes and Properties Table

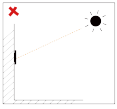
Please follow the properly wire data to install device:

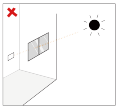
Power Supply	12VDC 2A	
AWG	20	22
Resistance(ohm/km)	33.9	48.5
Cross-sectional Area(mm^2)	0.5189	0.3247
Wire Length(m)	⩽20	⩽10

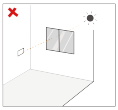
Requirements

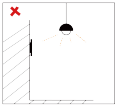
1.Place the device away from sunlight and light sources to prevent potential damage.
2.Do not place the device in the high-temperature, and humid environments or in surroundings impacted by magnetic field.
3.Install the device on the flat surface securely to avoid personal injuries and property loss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

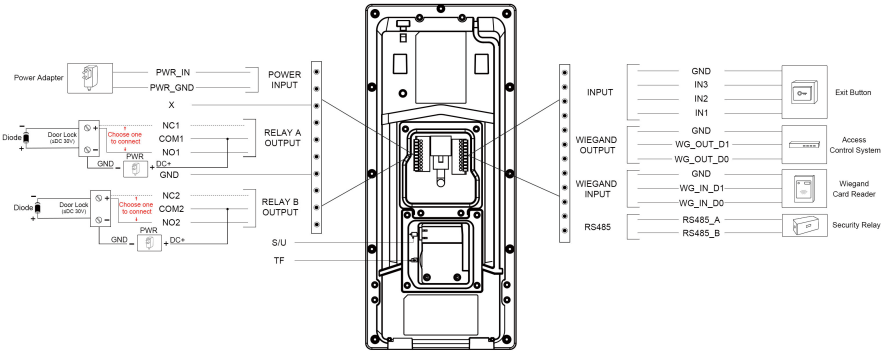
Warning!

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.

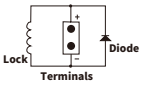
Caution

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

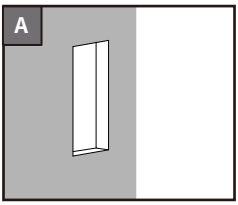


To protect the device from potential damage caused by over-voltage, it is recommended to wire a diode into the circuit. Connect the anode of the diode to the negative cable of the lock, and connect the cathode of the diode to the positive cable of the lock.



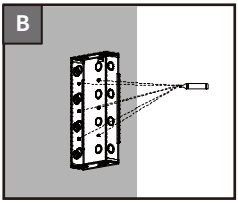
Installation

Step 1: Flush-mounting Box Installation



Dig out a square hole with dimension 320*145*56mm (height*width*depth) according to the position of cable.

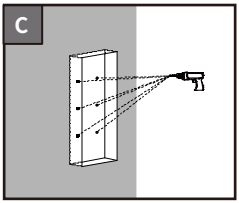
B



a.Place the **flush-mounting box** in the hole.
b.Mark six positioning holes of the **flush-mounting bracket** on the wall.

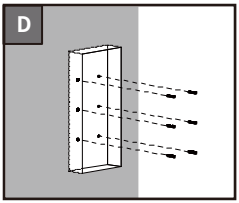
> **Note:**The positioning holes should be marked in the center of the holes.

C



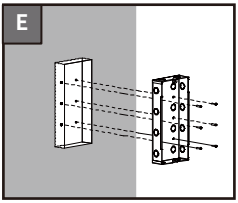
a.Remove the **flush-mounting box.**
b.Use an electric drill with a 6mm diameter bit to make four holes with 20mm in depth in the marked holes.

D



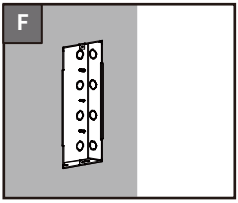
Insert six **plastic wall anchors** into the drilled holes.

E



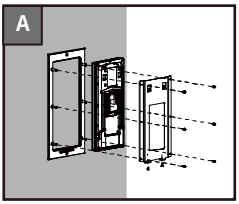
Fix the flush-mounting box with six **ST4X20 crosshead screws**, which make **flush-mounting box** attach the wall.

F

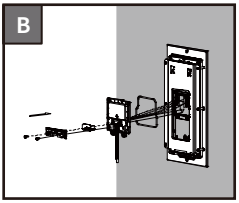


Flush-mounting box installation is finished.

Step 2: Main Unit Installation

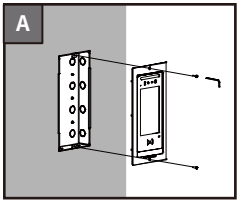


As shown in the picture, combine **bracket**, **device**, and **plate** together. Secure them by fixing six **M3x8 crosshead screws**.

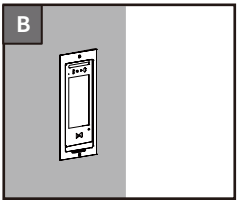


a. Lead the wires from the **flush-mounting box** through the plate, **sealing ring**, and **wiring cover.**
b. Connect wires to the corresponding interface as needed (for details, refer to "**Wiring Interface**").
c. Put **sealing ring** into the groove, close **wiring cover.** Then select a suitable **rubber plug** to push all the cables into the **wiring cover.**
d. Fix **wiring cover** on the back cover with four **M3X5 crosshead screws.** Then use two **ST1.7X4 crosshead screws** to tighten **sealing pressing plate.**

Step 3: Device Installation



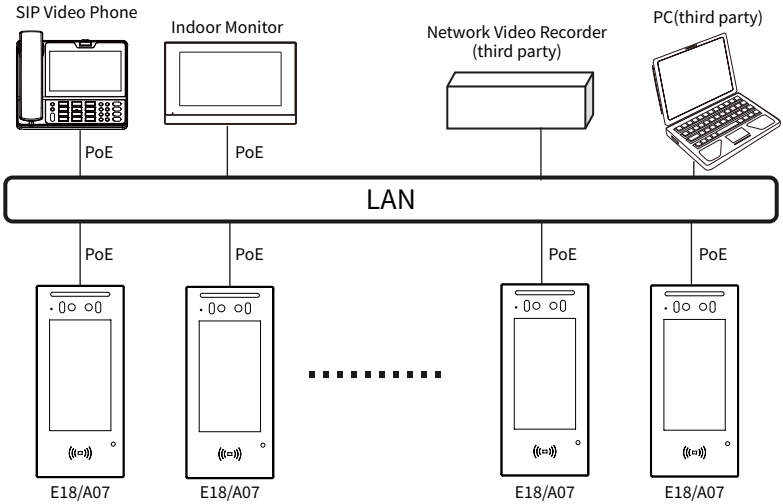
Use two **M4x16 crosshead screws** to secure device and its component onto the **flush-mounting box.**



Installation is completed.

YS18000015

Application Network Topology



Device Test

Please verify the device status after installation:

1. **Network**: Long press screen for 5 seconds and enter default password **admin**, then tap **Confirm** to access System Info page. Check the device's IP address and network status. Network is working properly if the IP address is obtained.
2. **Intercom**: Tap **Dial** key, enter the IP or SIP number and press **Dial** key to make a call. Or, tap APT number to call. The call configuration is correct if the call is successful.
3. **Access Control**: Use pre-configured PIN code, RF card, and face 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.

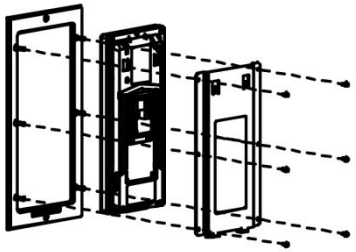
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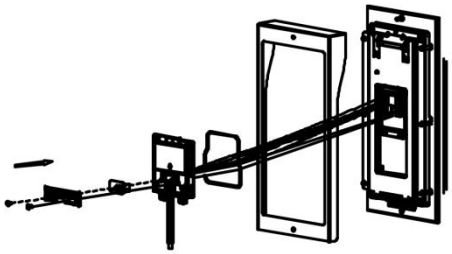
Akuvox E18 Rain Cover

Installation Guide

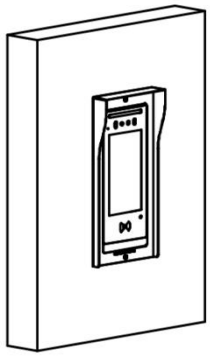
In-wall Installation



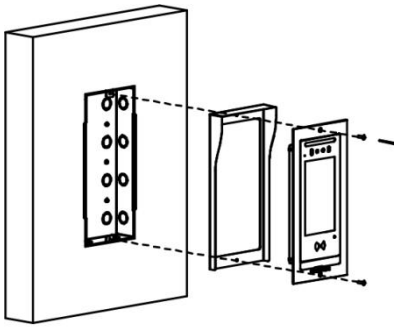
As shown in the picture, combine **bracket**, **device**, and **plate** together. Secure them by fixing six **M3X8 crosshead screws**.



- Lead the wires from the **flush-mounting box** through the **plate**, **rain cover**, **wiring cover**, and **sealing ring**.
- Connect wires to the corresponding interface as needed (for details, refer to "**Wiring Interface**").
- Put **sealing ring** into the groove, close **wiring cover**. Then select a suitable **rubber plug** to push all the cables into the **wiring cover**.
- Fix **wiring cover** on the back cover with four **M3X5 crosshead screws**. Then use two **ST1.7X4 crosshead screws** to tighten **sealing pressing plate**.



Installation is completed.



- Combine the device, its components, and rain cover.
- Align the fixing holes of flush-mounting bracket with the one on rain cover.
- Secure them together on the flush-mounting box with two **M4X16 crosshead screws.**