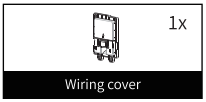
Akuvox Smart Intercom

R29X Quick Guide

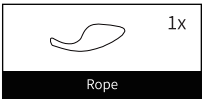
Unpacking

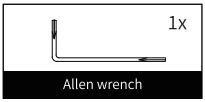
Before using the device, check the device model and ensure that the shipped box includes the following items:

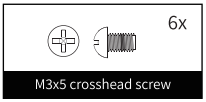

1x
R29X

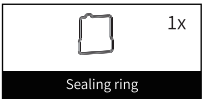

1x
Wiring cover

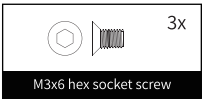

1x
Sealing pressing plate

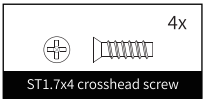

1x
Rope

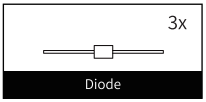

1x
Allen wrench

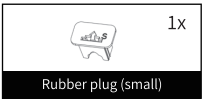

6x
M3x5 crosshead screw


1x
Sealing ring


3x
M3x6 hex socket screw


4x
ST1.7x4 crosshead screw


3x
Diode

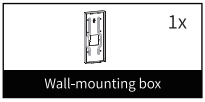

1x
Rubber plug (small)

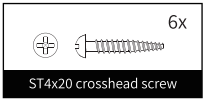

1x
Rubber plug (medium)

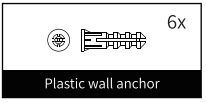

1x
Rubber plug (large)

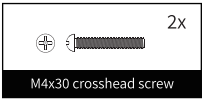
Optional Accessories:

Wall-mounting Accesories (Please find in On-Wall Installation Kit box):

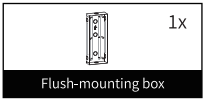

1x
Wall-mounting box

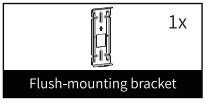

6x
ST4x20 crosshead screw

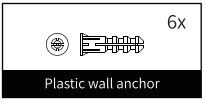

6x
Plastic wall anchor

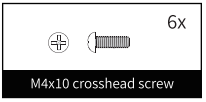

2x
M4x30 crosshead screw

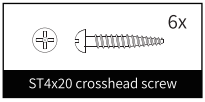
Flush-mounting Accesories (Please find in In-Wall Installation Kit box):


1x
Flush-mounting box


1x
Flush-mounting bracket

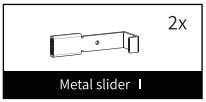

6x
Plastic wall anchor

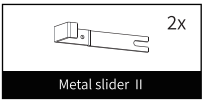

6x
M4x10 crosshead screw

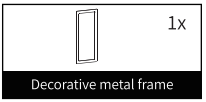

6x
ST4x20 crosshead screw

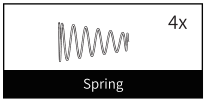
Plasterboard Mounting Accesories (Please find in Plasterboard Installation Kit box):

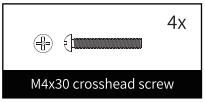

1x
Flush-mounting bracket


2x
Metal slider I


2x
Metal slider II


1x
Decorative metal frame





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 1.5A power adapter to power on device.

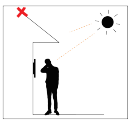
AWG Sizes and Properties Table

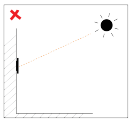
Place follow the properly wire data to install device:

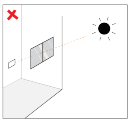
Power Supply	12VDC 1.5A			
AWG	20	22	24	26
Resistance(ohm/km)	33.9	48.5	79.6	128
Cross-sectional Area(mm^2)	0.5189	0.3247	0.2047	0.1281
Wire Length(m)	⩽20	⩽15	\	\

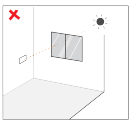
Requirements

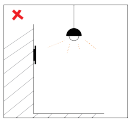
1.Place the device away from sunlight and light sources to prevent potential damage.
2.Do not place the device in the high-temperature, and humid environments or in surroundings impacted by magnetic field.
3.Install the device on the flat surface securely to avoid personal injuries and property loss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

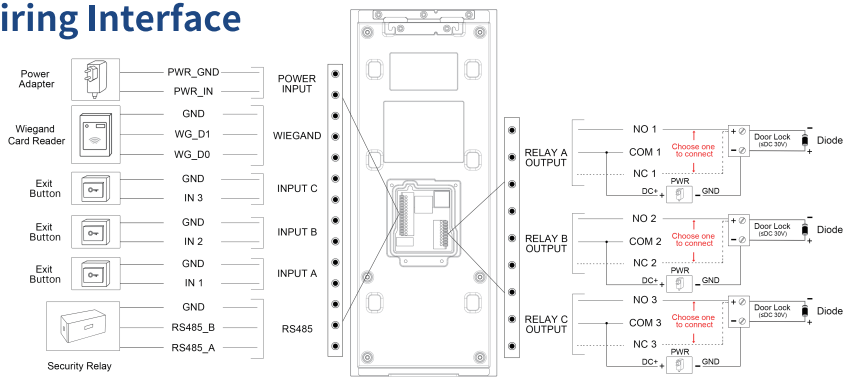
Warning!

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 qualfied 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.

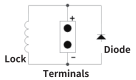
Caution

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.

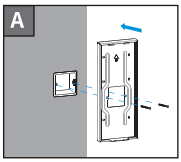


Installation

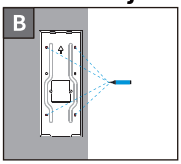
Step1: Bracket/Box Installation

1 Wall Mounting

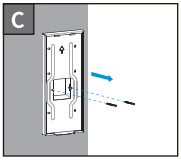
1.1 With 86x86 mm embedded junction box in the wall



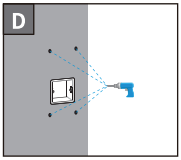
Attach the wall-mounting box to the embedded box using two **M4x30 crosshead screws.**



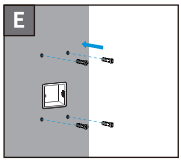
Mark the hole positions at the center of the four holes on the **wall-mounting box.**



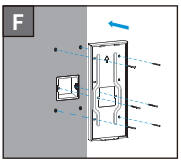
Remove two **M4x30 crosshead screws** and **wall-mounting box.**



Use a 6mm electric drill to make four holes in the marked positions.

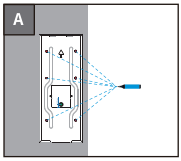


Insert four **plastic wall anchors** into the holes.

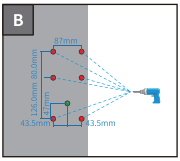


For fasten the wall-mounting box,tighten the four **ST4x20 crosshead screws** to **plastic wall anchors** and two **M4x30 crosshead screws.**

1.2 Without embedded box in the wall

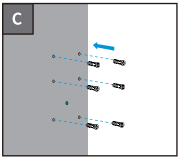


a.Position the **wall-mounting box** closely against the wall, aligning it with the wire' s location.
b. Mark the hole positions at the center of the six holes on the **wall-mounting box.**

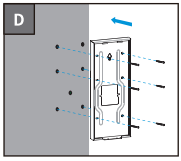


Remove the box and use a 6mm electric drill to make six holes in the marked positions.

Note: Check the dimensions on the figure and ensure that the error is no more than 5mm.



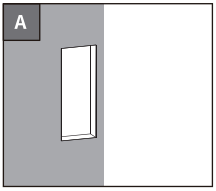
Insert six **plastic wall anchors** into the drilled holes.



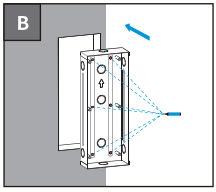
Fix the **wall-mounting box** with six **ST4x20 crosshead screws.**

Note:To prevent water from entering the back cover of the door phone,it is recommended to securely attach wall-mounting box to the wall.

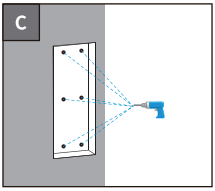
2 Flush Mounting
2.1 Normal installation



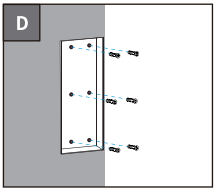
Cut out a square hole on the wall with the dimension 314*124*53mm (height*width*depth).



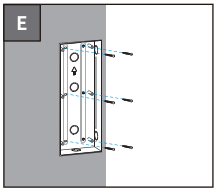
Insert **flush-mounting box** into the square hole and mark six screw holes positions.



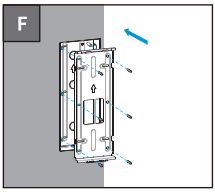
Remove the box and use a 6mm electric drill to make six holes on the marked position.



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

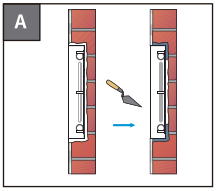


a.Break out the round wiring holes of box and lead wires go through the holes.
b.Press the **flush-mounting box** into the square hole, ensuring that the edges closely against the wall.
c.For fasten the **flush-mounting box,** tighten the six **ST4x20 crosshead screws.**



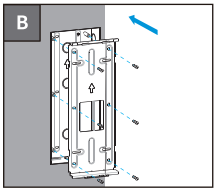
Use six **M4x10 crosshead screws** to fix the **flush-mounting bracket** on the box.

2.2 Simple Installation (with lower resistance of vandalism)



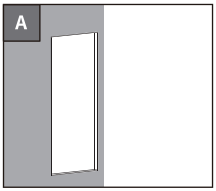
a. Use cement or non-corrosive structural adhesive to fill the gap between the wall and **flush-mounting box.**
b. Ensure that the adhesive material dry before proceeding to the next step.

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

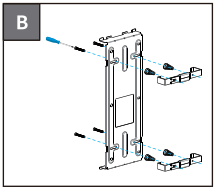


Use six **M4x10 crosshead screws** to fix the **flush-mounting bracket** on the box.

3 Plasterboard Mounting

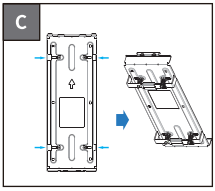


Cut out a square hole on the wall with the dimension 312*117.5mm (height*width).

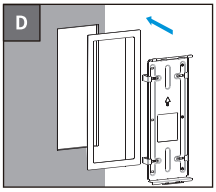


As shown in the figure, use four **M4x30 crosshead screws** to loose springs, **metal slider Ⅰ** and **metal slider Ⅱ.**

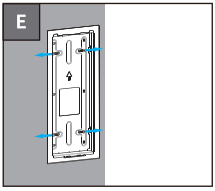
Note: Do not completely tighten screws.



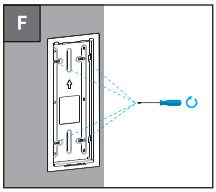
As shown in the figure, close **metal slider Ⅰ** and **metal slider Ⅱ.**



According to your need,attach the **decorative metal frame** to the bracket.



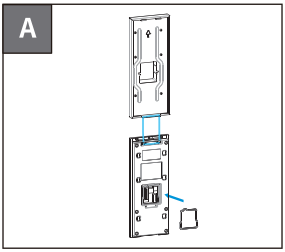
Pull the four screws on the component outward, making the slider's claws slide along the wall until they reach the back of the wall.



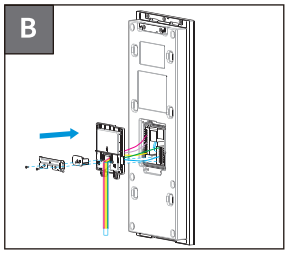
Fix **flush-mounting bracket** by tightening for **M4x30 crosshead screws.**

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Step2: Main Unit Installation



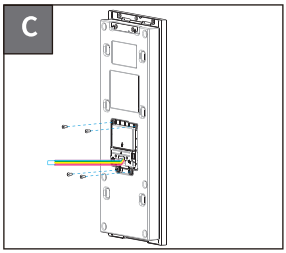
a. For easier installation,hang the device on the box/bracket using the **rope.**
b. Press **sealing ring** into the corresponding groove.



a.Make cables go through the **wiring cover**, connecting to the corresponding interfaces as needed (for details, refer to "Wiring Interface").

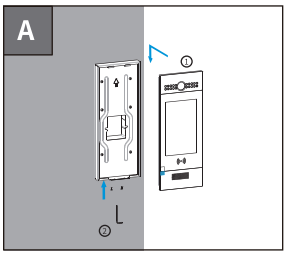
b.Select an appropriate **rubber plug** (small, medium, or large) to secure the wires.

c.Fasten **sealing pressing plate** with two **ST1.7x4 crosshead screws.**



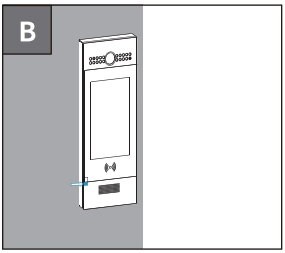
Use four **M3x5 crosshead screws** to fix the **wiring cover.**

Step3: Device Mounting



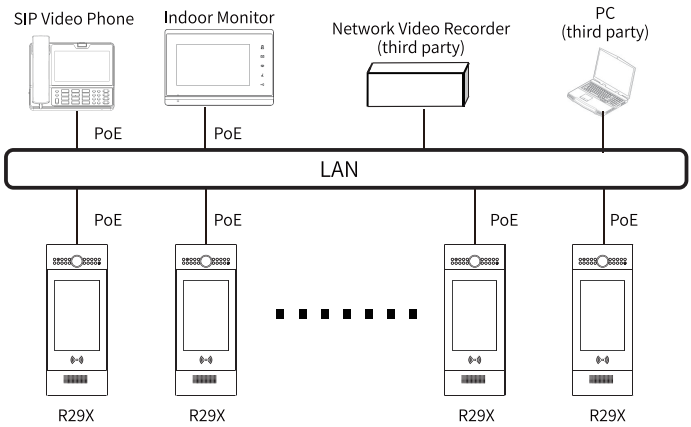
a.Align the slots on the back upper of device with the corresponding hooks on the box, then press device downward into the box.

b.Use the **Allen wrench** to tighten the device with two **M3X6 hex socket screws.**



Installation is completed, and please remove the protective film.

Application Network Topology



Device Test

Please verify the device status after installation:

1. **Network:** Press **Dial** key, enter 9999, and tap **Dial** key. Then, type 3888 and tap **OK** to access settings page. Go to **Info** to 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.

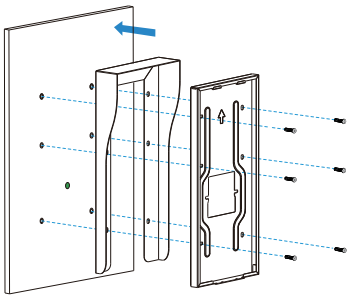
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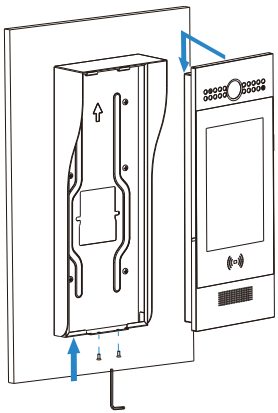
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R29X
Rain Cover Installation Guide

1. On-wall installation

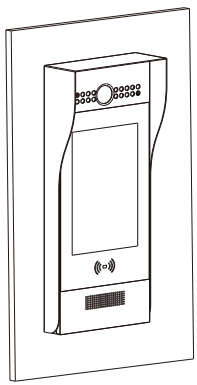


Combine the wall-mounting box with the rain cover and mark the six mounting hole positions on the wall. Drill the holes and insert the six plastic wall anchors into the holes according to regular device installation requirement. Then tighten the combined rain cover and the box securely on the wall using the six tapping screws (ST4x20).



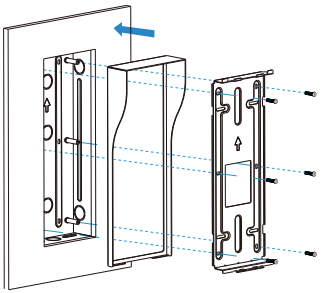
Install the device on the wall-mounting box , press down the device and make sure that the two hang holes on its top are fully hanged on to the two square hooks on the top of the box, then tighten the two countersunk machine screws (M3x6) underneath the device using the Allen wrench attached with the device.

If the device cannot be easily hanged on to the square hooks, loosen the six cross screws (ST4x20) slightly, move up the rain cover a little bit to increase the clearance between the rain cover top and the box top. Then retighten the six screws before installing the device.

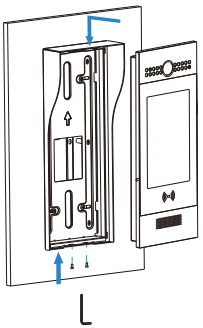


Installation completed.

2. In-wall installation

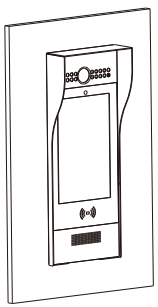


Install the embedded box on the wall according to its installation manual. Combine the flush-mounting bracket with the rain cover before tighteninig them securely on the wall using the 6 screws(M4x10) attached with the device.



Install the device on the flush-mounting bracket, press down the device and make sure that the two hang holes on its top are fully hanged on to the two square hooks on the top of the box, then tighten the two countersunk machine screws(M3x6) underneath the device using the Allen wrench attached with the device.

If the device cannot be easily hanged on to the square hooks, loosen the six socket head cap machine screws (M4x10) slightly, move up the rain cover a little bit to increase the clearance between the rain cover top and the bracket top. Then retighten the six screws before installing the device.



Installation completed.

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