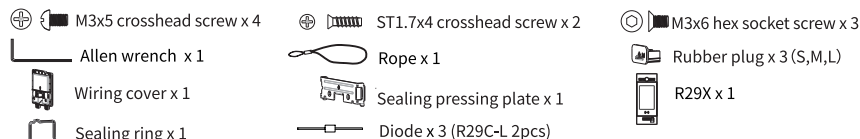


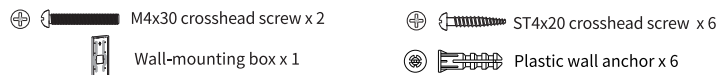
Unpacking

Before you begin using the device, please check the version you got and ensure that the following items are included in the shipped box:

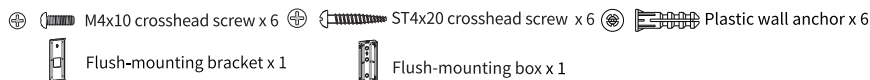
Mainframe Accessories:



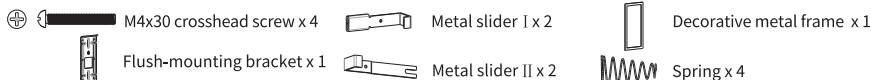
Wall mounting Accessories (Please find in On-wall Installation Kit Box):



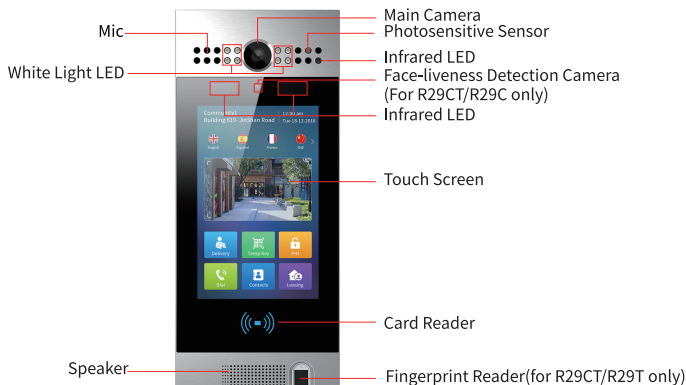
Flush mounting Accessories (Please find in In-wall Installation Kit Box):



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



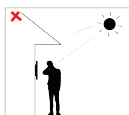
Product Overview



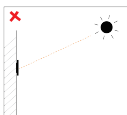
Installation Environment

Please do not place device under direct sunlight.

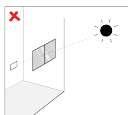
If installing the device indoors, please keep device at least 2 meters away from light, and at least 3 meters away from window and door .



Backlight



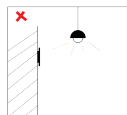
Direct sunlight



Direct sun through window



Indirect sunlight through window



Close to light

Attention:

Biometric recognition product may not be considered 100% to fit in any identification application.

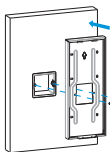
For higher security purpose or scenario, please set up access authentication combination.

Installation

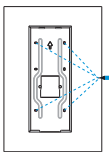
1. Step 1: Bracket/Box Installation

1.1 Wall Mounting

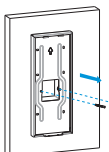
1.1.1 With embedded one-gang junction box(86x86 mm)in the wall



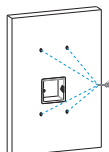
Fix the wall-mounting box on 86 embedded box with two M4x30 crosshead screws.



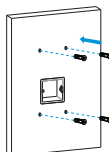
Mark the four holes of the wall-mounting box on the wall.



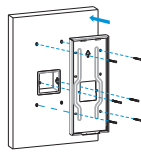
Take down two M4x30 crosshead screws and wall-mounting box.



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

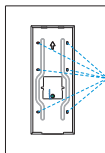


Insert the plastic wall anchors into the holes.

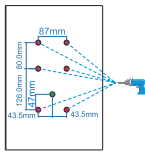


Fix the wall-mounting box with four ST4x20 crosshead screws and two M4x30 crosshead screws.

1.1.2 Without embedded one-gang junction box in the wall

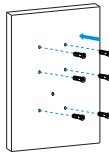


Mark the six holes of the wall-mounting box on the wall.

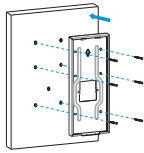


Use a hand drill with 6 mm diameter bit to make the holes in marked positions.

*Please note the relative position in the left figure and the maximum error should be less than 5 mm.



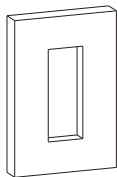
Insert the plastic wall anchors into the holes you drilled before.



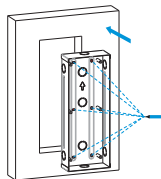
Fix the wall-mounting box with six ST4x20 crosshead screws.

1.2 Flush Mounting

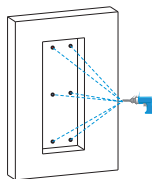
1.2.1 Normal installation



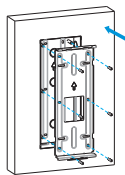
Dig out a square hole
(height*width*depth=314*124*53mm)
Note: The size of the hole should be a
little larger than recommended value
that can accommodate all cables.



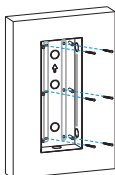
Insert the flush-mounting box into the hole
and make sure the cables of the device can
route through the cable hole. Then mark the
six holes of the flush-mounting box on the
wall.



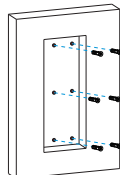
Take down the flush-mounting
box, then use a hand drill with
6mm diameter bit to make
holes in the marked positions.



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

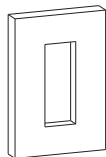


Place the flush-mounting box into the square hole
until the edges of which align to the wall and make
all cables go through the cable hole. Fix the
flush-mounting box with six ST4x20 crosshead
screws.

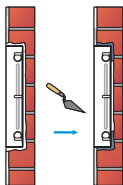


Insert the plastic wall anchors
into the hole you drill before.

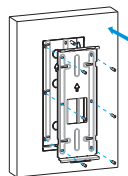
1.2.2 Or you can choose another simple method without fixing ST4x20 crosshead screws



Dig out a square hole
(height*width*depth=314*124*53mm)
Note: The size of the hole should be a
little bigger than recommended value that can
accommodate all cables.



Use cement or non-corrosive structural
adhesives to fill the gap between the wall and
embedded box. Wait the adhesive material
desiccation, go to the next step.

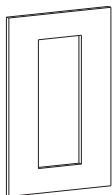


Use six M4x10 crosshead screws
to fix the flush-mounting
bracket on the flush-mounting
box.

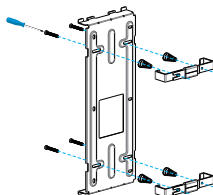
Waterproof Tips:

- For flush mounting installation, it is recommended to fill the gaps around the embedded box for waterproofing (to prevent water from entering the back cover of the door phone from the gap).
- For wall mounting installation, it is recommended to lock the wall-mounted bracket and the wall so that the EVA pasted on the bottom of the wall mounting bracket is close to the wall without a gap (to prevent water from entering the back cover of the door phone from the gap)
- Or it is recommended to use rain cover.

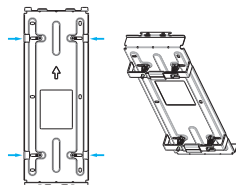
1.3 Plasterboard Mounting



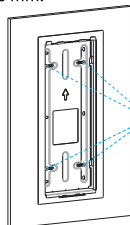
Dig through a square hole (height*width=312*117.5 mm)
Note: This mounting mode is only compatible with wall thickness of 1-25 mm.



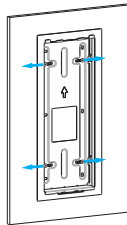
Follow the picture, using four M4x30 crosshead screws to fix the springs and sheet metals I & II. No need to completely tight the screws in this step.



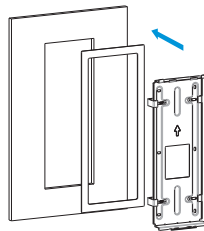
Follow the picture, close the sheet metals I & II.



Fixing the four crosshead screws to tight the bracket.

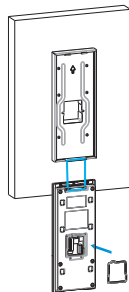


Toggle the screw outward to make the claw of the sheet metal insert the back of the wall.

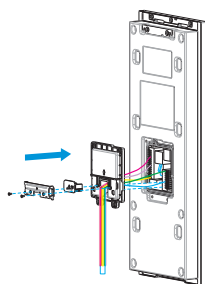


According to your need, attach the metal frame to the bracket.

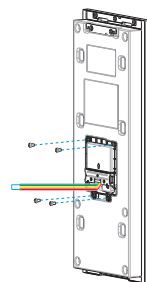
2. Step 2: Wiring cover Installation



For convenient wiring, hang R29X on the wall-mounting box/flush-mounting bracket with rope. Then insert the sealing ring into the groove.

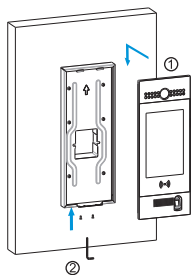


Make cables go through the wiring cover, connecting to the corresponding interfaces of the main board. Choose a suitable size rubber plug to compress cables, then fasten the sealing pressing plate with two ST1.7x4 crosshead screws.

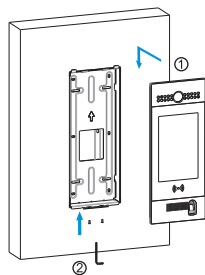


Use four M3x5 crosshead screws to fix the wiring cover.

3. Step 3: Device Mounting



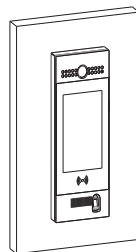
Wall Mounting



Flush Mounting
& Plasterboard mounting

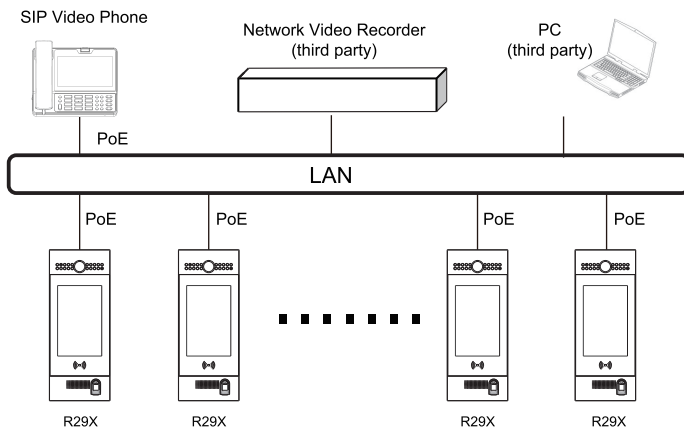
1. Place the device into the wall-mounting box / flush-mounting bracket until the edges of which align to the wall. Then pull the device downward and ensure the groove of it hooks to the lock catches of the back box.

2. Use the Allen wrench to tighten the device with two M3x6 crosshead screws.



Installation completed.

Application Network Topology

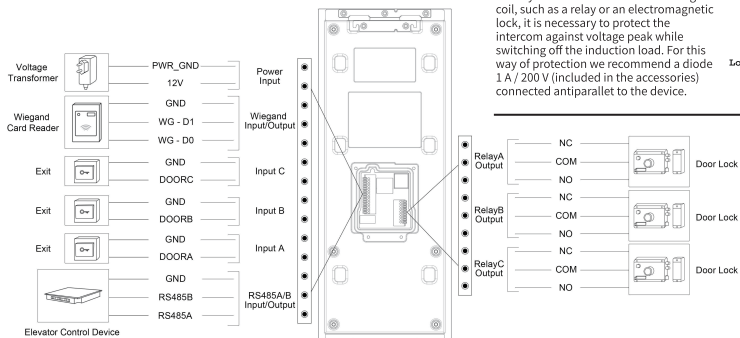


Wire Length & AWG Table

Please follow the properly measured wire gauge/length to install device:

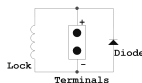
	20 AWG	22 AWG	24 AWG	26 AWG
12V 1.5A Adapter	≤20m	≤15m	\	\

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.



Configuration

- 1.IP Address Checking: Press **9999** in dialing interface, then input **3888** to enter the system interface. Click **Info** to check the IP address. R29X uses DHCP by default.
- 2.Account Registration: On web UI, go to the path: Account > Basic page to register account and fill in the account information. (Please refer to admin guide for more information)
- 3.DTMF Code Configuration: On web UI, go to the path: Intercom > Relay > Relay ID/ DTMF choose the DTMF code number in corresponding area.

Operation

Make a call:

Input the room number, press Dial key to make a call.

Receive a call:

R29X supports Auto Answer by default. Incoming calls will be answered automatically.

Unlock by DTMF:

During the call, press the corresponding DTMF code from answer unit to unlock R29X remotely.

Unlock by Private Key:

In the PIN/PASSWORD interface, enter the password to open the door.

Unlock by RF Card:

Place the predefined RF Card in the card reader area to open the door.

Notice Information



Information contained in this document is believed to be accurate and reliable at the time of printing. This document is subject to change without notice, any update to this document can be viewed on Akuvox' s website: <http://www.akuvox.com> © Copyright 2022 Akuvox Ltd. All rights reserved.

AKUVOX (XIAMEN) NETWORKS CO., LTD.

Add.: 10/F, NO.56 GUANRI ROAD, SOFTWARE PARK II, XIAMEN 361009, CHINA
www.akuvox.com



YS29000002