Unpacking
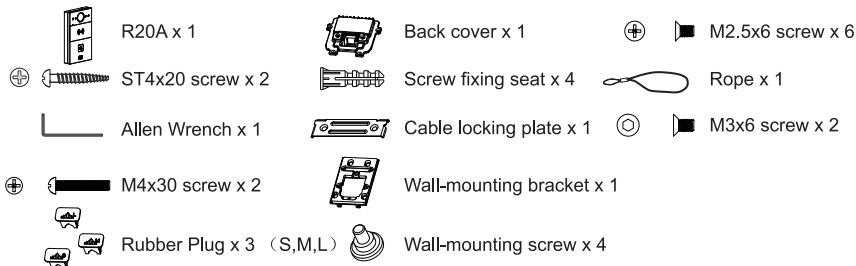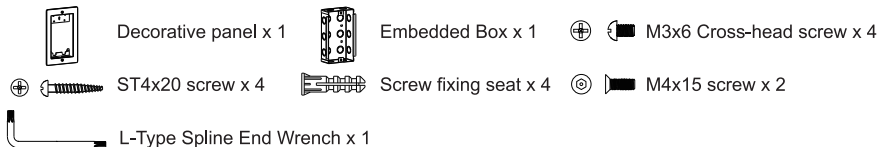
Please make sure the package contains the following items:
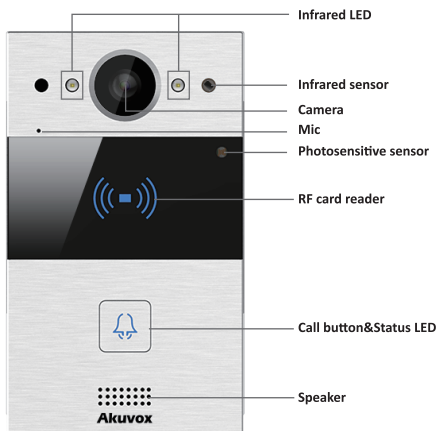**Universal Accessories (Please find in device box):**

R20A x 1   Back cover x 1   M2.5x6 screw x 6

ST4x20 screw x 2   Screw fixing seat x 4   Rope x 1

Allen Wrench x 1   Cable locking plate x 1   M3x6 screw x 2

M4x30 screw x 2   Wall-mounting bracket x 1

Rubber Plug x 3 （S,M,L）   Wall-mounting screw x 4

Flush-mounting Accessories :

Decorative panel x 1   Embedded Box x 1   M3x6 Cross-head screw x 4

ST4x20 screw x 4   Screw fixing seat x 4   M4x15 screw x 2

L-Type Spline End Wrench x 1

Product Overview

Infrared LED

Infrared sensor
Camera
Mic
Photosensitive sensor

RF card reader

Call button&Status LED

Speaker

R20A

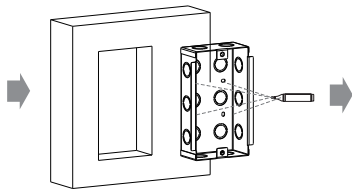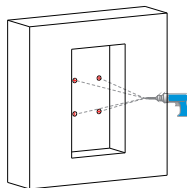## Installation
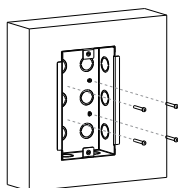### Step 1: Embedded/Box Installation
Flush Mounting
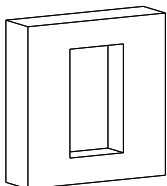
According to the position of the cable, cut a square hole in wall. (height*width*depth=180*101*50 mm). Note: The size of the hole should be a little larger than recommended value that it can accommodate all needed cables.
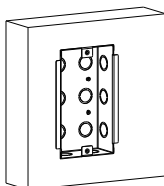
Insert the embedded box into the hole and make sure the cables of the device can route through the cable hole then mark the four screw holes of the wall embedded box on the wall.

Take down the embedded box then use a 5 mm hand drill to make holes with a depth of 25 mm at the marked positions.

Fix the embedded box with four ST4x20 screws. Then use cement or non-corrosive structural adhesives to fill the gap between the wall and embedded box.
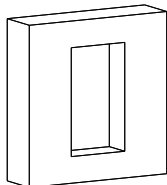
Place the embedded box into the square hole until the edges of which align to the wall and make all cables go through the cable hole.
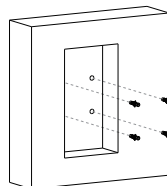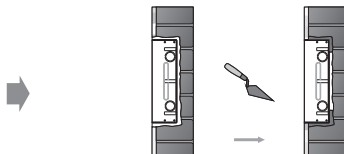
Insert four screw fixing seats into the holes.

Or you can choose another simple method without fixing ST4x20 screws

According to the position of the cable cut a square hole in the wall (height*width*depth=180*101*50 mm). Note: The size of the hole should be a little larger than recommended value that it can accommodate all needed cables.
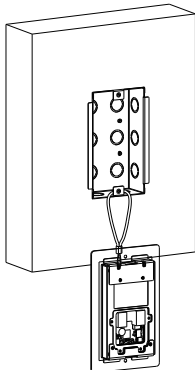
Use cement or non-corrosive structural adhesives to fill the gap between the wall and embedded box. Wait the adhesive material desiccation, go to the next step.
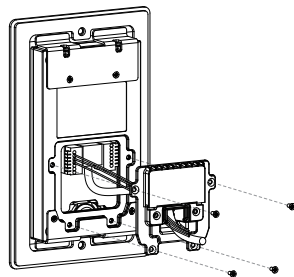
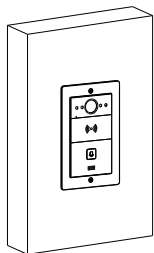## Step 2: Decorative Panel and Back cover Installation
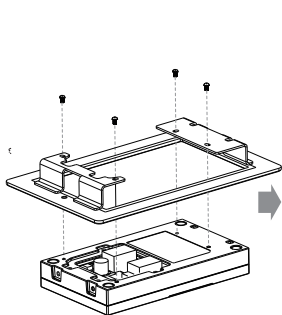
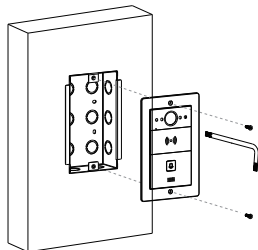Use four M3x6 Cross-head screws to fix R20 on the decorative panel .

For convenient wiring, hang R20 on the embedded Box with rope.

Make cables go through the back cover, connecting to the corresponding interfaces of the main board. Fasten the back cover with four M2.5x6 screws.

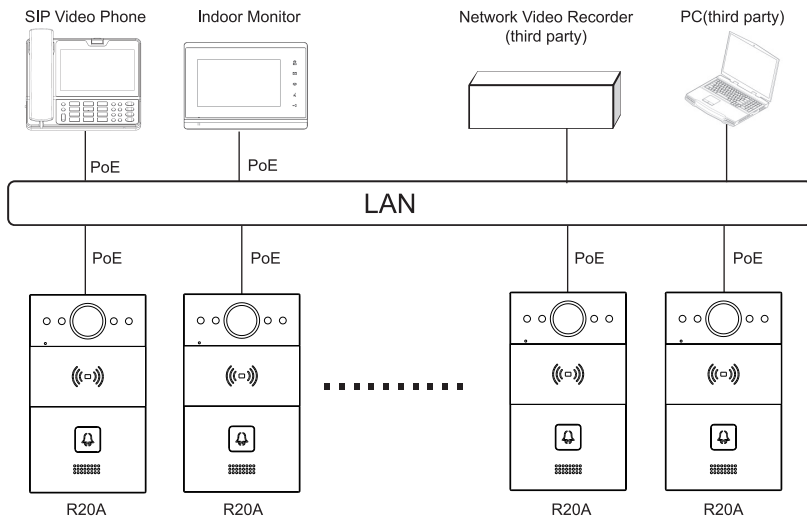After successful installation, check the stability of device.

Place the device into the embedded box, then use L-Type Spline End Wrench to tighten the device with two M4x15 screws.
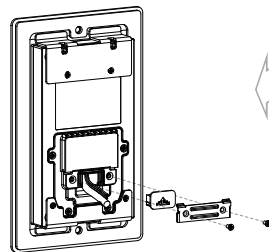
Select a suitable size rubber plug to push all the cables into the back cover. Fix cable locking plate to the back cover with two M2.5x6 screws.

Akuvox Smart Intercom

Application Network Topology

SIP Video Phone   Indoor Monitor   Network Video Recorder (third party)   PC(third party)

PoE   PoE

LAN

PoE   PoE   PoE   PoE

R20A   R20A   R20A   R20A

IP Announcement

1. While R20A starts up normally, hold the call button for several seconds after the Status LED turns blue, voice system will enter IP announcement mode.
2. In announcement mode, the IP address will be announced periodically.
3. Press Call Button again to quit the announcement mode.
4. In announcement mode, phone announces "IP 0.0.0.0" if no IP address is gained.

Configuration

1. Access the Web UI: Input the IP address into web browser to configure the phone.
2. Account Registration: On web UI, go to the path: **Account -> Basic** page
   Register Account and fill in the account information. *(Please refer to user manual for more information)*
3. Configure the Push Button: On web UI, go to the path: **Intercom -> Basic -> Push Button** to configure the call number.
4. Configure the code to open the relay: On web UI, go to the path: **Intercom -> Relay -> Relay ID/DTMF** and choose the DTMF code number in corresponding area.

Operation

Make a call:
1. Press the call button to call indoor SIP Phone.
2. During the talk, called party can press pre-configured code number to unlock the door.

Receive a call:
R20A supports Auto Answer by default. Incoming call will be answered automatically.

Indicators

Light ON   Light OFF

Name	Status		Description
Status indicator	Blue		Normal status
		0.25sec → 0.25sec	Calling
	Red	0.05sec → 0.05sec	Restarting
		0.25sec → 0.25sec	Network is unavailable
	Green		Initialing/Talking on a call
		0.25sec → 0.25sec	Receiving a call
	Red/Blue	0.05sec → 0.05sec	Firmware upgrading

Note: For more LED settings, please refer to R20A webUI: Intercom -> LED Setting.

Notice Information

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