Akuvox Smart Intercom

R20A
Wall-mounting Installation
Quick Guide

Unpacking

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

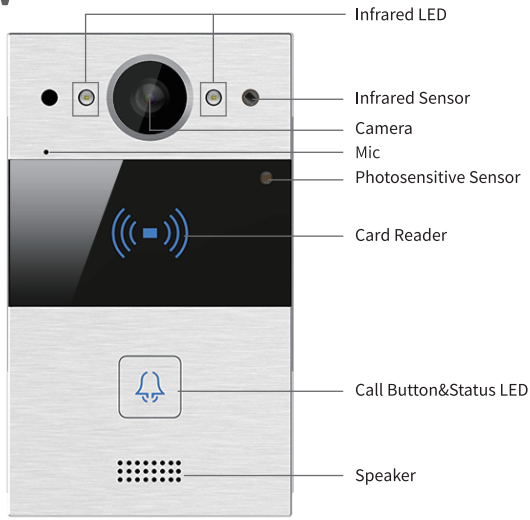
Universal Accessories:

- R20A x 1
- Wiring cover x 1
- M2.5x6 crosshead screw x 6
- Rope x 1
- Sealing pressing plate x 1
- Rubber Plug x 3 （S,M,L）
- Diode x 2

Wall-mounting Accessories :

- Wall-mounting screw x 4
- Plastic wall anchor x 4
- M3x6 hex socket screw x 2
- Allen wrench x 1
- ST4x20 crosshead screw x 4
- M4x30 crosshead screw x 2
- Wall-mounting bracket x 1

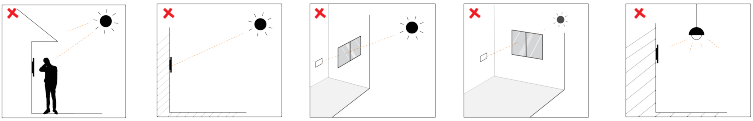
Product Overview



R20A

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 .

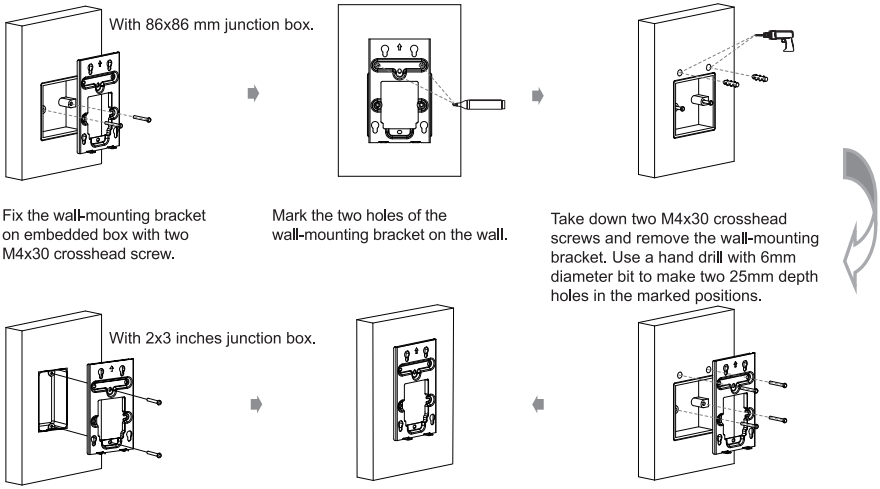


Backlight | Direct sunlight | Direct sun through window | Indirect sunlight through window | Close to light

Installation

Step 1: Wall-mounting bracket Installation

1.With embedded one-gang junction box(86x86 mm or 2x3 inches in size) in the wall.



Fix the wall-mounting bracket on embedded box with two M4x30 crosshead screw.

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

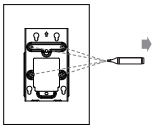
Take down two M4x30 crosshead screws and remove the wall-mounting bracket. Use a hand drill with 6mm diameter bit to make two 25mm depth holes in the marked positions.

Fix the wall-mounting bracket on the 2x3 inches junction box with two M4x30 crosshead screw.

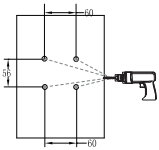
Finish the wall-mounting bracket installation.

Tighten the wall-mounting bracket on the wall and junction box using two ST4x20 crosshead screw and two M4x30 crosshead screw.

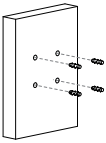
2.Without embedded one-gang junction box(86x86 mm or 2x3 inches in the wall.



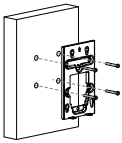
Mark the four holes of the wall-mounting bracket on the wall for the screws.



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

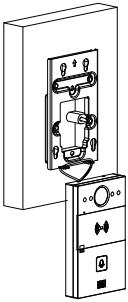


Insert four plastic wall anchors into the holes.

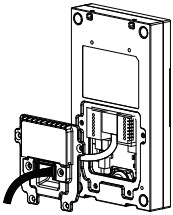


Fix the wall-mounting bracket with four ST4x20 crosshead screw.

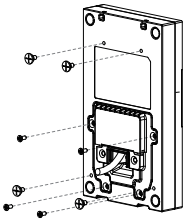
Step 2: Wiring cover Installation



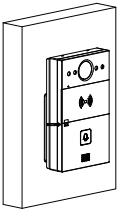
For convenient wiring, hang R20A on the wall-mounting bracket with rope.



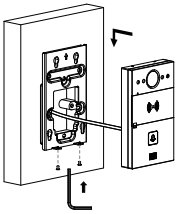
Make cables go through the Wiring cover, connecting to the corresponding interfaces of the main board.



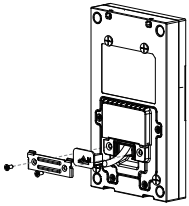
Fasten the Wiring cover with four M2.5x6 crosshead screw, then fix four wall-mounting screws on the back of R20A.



After successful installation, check the stability of device. And remove the protective film.



Insert the four wall-mounting screws on the device into the corresponding holes on the wall-mounting bracket, and then press down to slide the wall-mounting screws into the groove. Then use the Allen Wrench to tighten the device with two M3x6 hex socket screws.

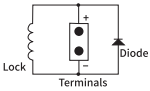


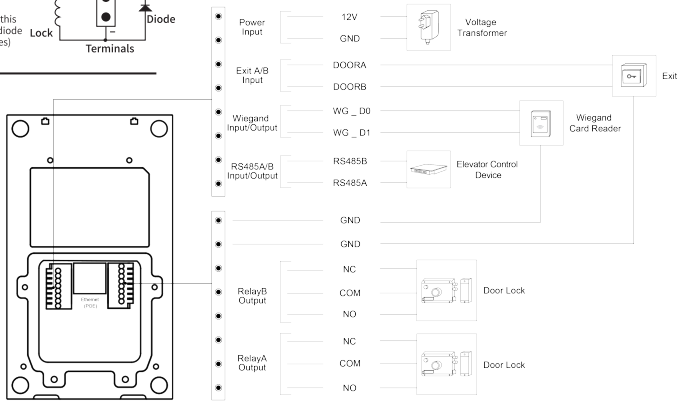
Select a suitable size rubber plug to push all the cables into the wiring cover. Fix sealing pressing plate to the wiring cover with two M2.5x6 crosshead screws.

Device Wiring

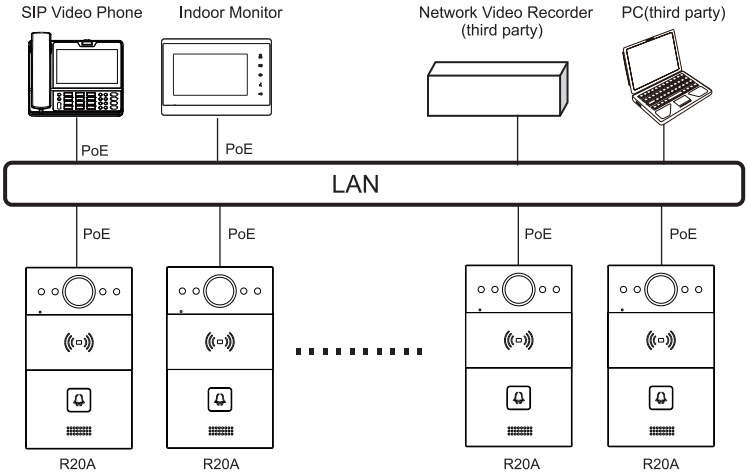
Warning

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.





Application Network Topology



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 to register account and fill in the account information. ***(Please refer to admin guide 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:
Press the **Call button** to call indoor SIP Phone.

Unlock:
During the talk, called party can press pre-configured Unlock key 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 R20 webUI: Intercom -> LED Setting.

NOTICE:
Quick guide can be viewed on Global Visions website.

Global Visions

GLOBAL VISIONS INC.
877-725-8869
www.globalvisionsinc.com

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