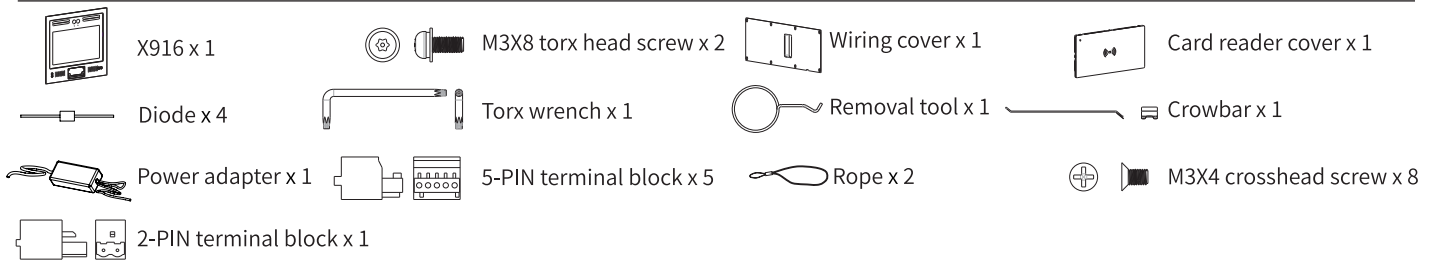## Unpacking

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(Please find in device box):

X916 x 1   M3X8 torx head screw x 2   Wiring cover x 1   Card reader cover x 1

Diode x 4   Torx wrench x 1   Removal tool x 1   Crowbar x 1

Power adapter x 1   5-PIN terminal block x 5   Rope x 2   M3X4 crosshead screw x 8

2-PIN terminal block x 1

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

Wall-mounting box x 1   ST4X20 crosshead screw x 6   Plastic wall anchor x 6

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

flush-mounting box x 1   ST4X20 crosshead screw x 6   Plastic wall anchor x 6

Product Overview

Camera   Face-liveness Detection Camera

Infrared LED

White Light LED

Mic

339.1 mm

Touch Screen

13:20 PM   01-06-2019

Visitor

PIN   Dial

Akuvox
Open A Smart World   10/F, No.56 Guanri Road
Software Park II, Xiamen, China, 361009

Contacts   Reception

Card Reader

Infrared Sensor
Photosensitive Sensor
Speaker

QR Camera
QR Fill Light

Speaker

383.9 mm

X916
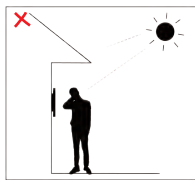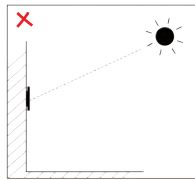
Installation Environment

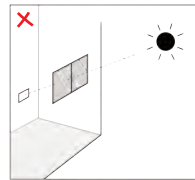Please do not place device under direct sunlight.
If installing the device indoors, please keep device at least 2 meters away from light, and at least 3 meters away from window and door .
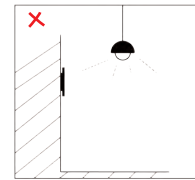
Backlight   Direct sunlight   Direct sun through window   Indirect sunlight through window   Close to light
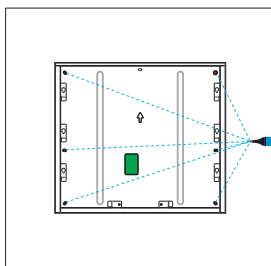
Attention:
Biometric recognition product may not be considered 100% to fit in any identification application.
For higher security purpose or scenario, please set up access authentication combination.
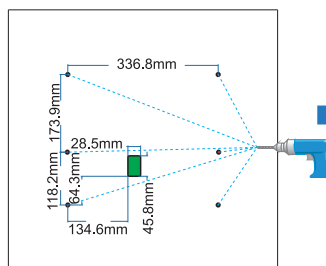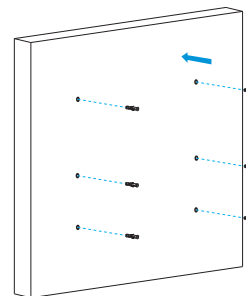
Installation

Step 1：Box Installation

1. Wall-Mounting

336.8mm
173.9mm
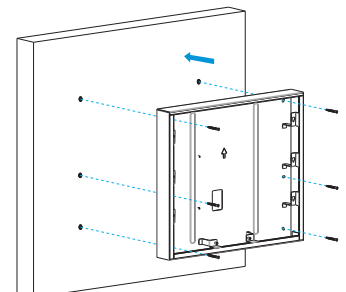118.2mm
28.5mm
64.3mm
45.8mm
134.6mm

Hold the back of the wall-mounting box close to the wall, and make sure that wiring hole on the box should align to cable position on the wall. Mark the six holes of the wall-mounting box on the wall.

Take off the wall-mounting box and use a drill with 6 mm diameter bit to make holes in the marked positions.
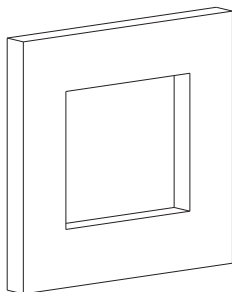
Insert the plastic wall anchors into the holes.

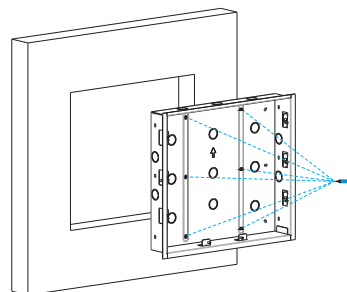Fix the wall-mounting box with six ST4x20 crosshead screws.
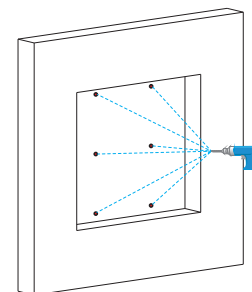
2. Flush-Mounting

2.1 Normal Installation

Cut a rectangular hole on the wall of the diameter of 358x319 mm and depth of 58 mm that can accommodate and through out all necessary cables.
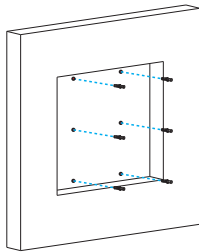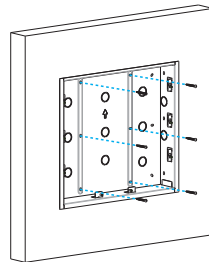Note:The size of the hole should be a little larger than recommended value.

Insert the flush-mounting box into the hole and make sure the cables of the device can route through the suitable cable holes. Then mark the six holes of the flush-mounting box on the wall.
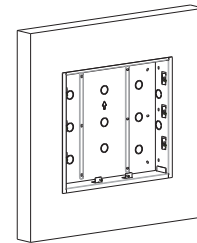
Take off the flush-mounting box and use a drill with 6 mm diameter bit to make holes in the marked positions.

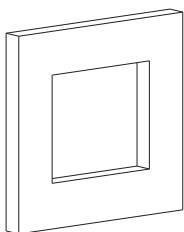Insert the plastic wall anchors into the holes you drilled before.

Place the flush-mounting box into the rectangular hole and route all cables through the cable holes. Fix the flush-mounting box with six ST4x20 crosshead screws.
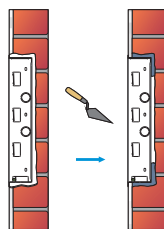
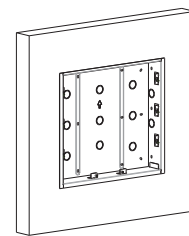Flush-mounting box is installed.

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

Cut a rectangular hole on the wall of the diameter of 358x319 mm and depth of 58 mm that can accommodate and through out all necessary cables. Note:The size of the hole should be a little larger than recommended value.
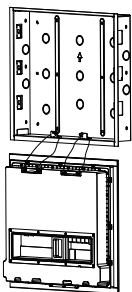
Use cement or non-corrosive structural adhesives to fill the gap between the wall and flush-mounting box. Wait the adhesive material desiccation, go to the next step.
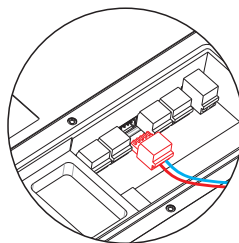
Waterproof Tips:
• For flush mounting installation, it is recommended to fill the gaps around the embedded box for waterproofing (to prevent water from entering the back cover of the door phone from the gap).
• For wall mounting installation, it is recommended to lock the wall-mounted bracket and the 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)
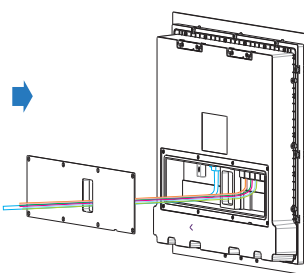• Or it is recommended to use rain cover.

Flush-mounting box is installed.

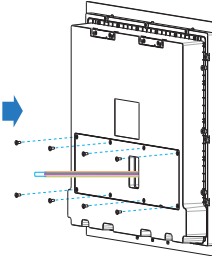## STEP 2： Wiring cover and terminals Installation

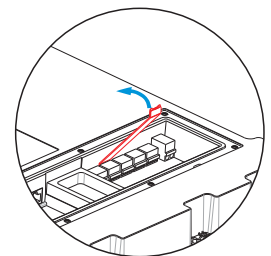For convenient wiring, hang X916 on the flush-mounting box with rope.

Connect the terminal blocks to the cables as needed. 2-PIN terminal block can only be used for power Input port. For details, refer to "Device Wiring".

Make cables of the installed terminal blocks go through the hole of the wiring cover, connecting to the corresponding interfaces of the main board.
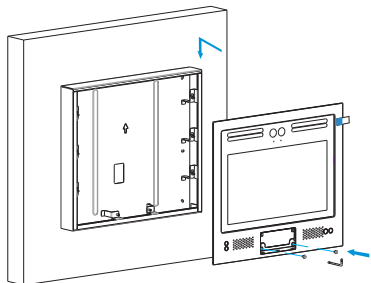
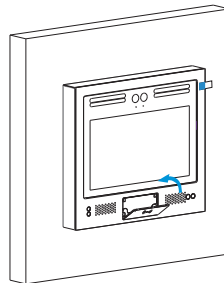Fasten the wiring cover with eight M3x4 crosshead screws.

If you need remove terminal blocks, insert the end of the crowbar without the thin steel sheet between the device and the terminal blocks, and then pry up the terminal blocks in the direction of the arrow in the figure.
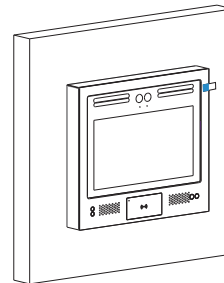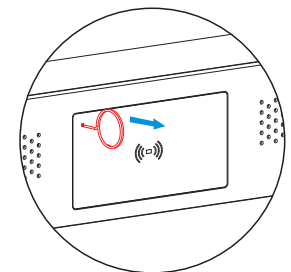
STEP 3： Device Mounting

Insert the device into the wall-mounting box/flush-mounting box, pull the device downward to ensure the six hangers on the back of which hooked to the hanging holes of the box.
Then use the torx wrench to tighten the device with two M3x8 torx head screw.

Place the card reader cover into the groove of card reader area(please note that the small round hole on which must be in the upper left corner), and press around to fix it.
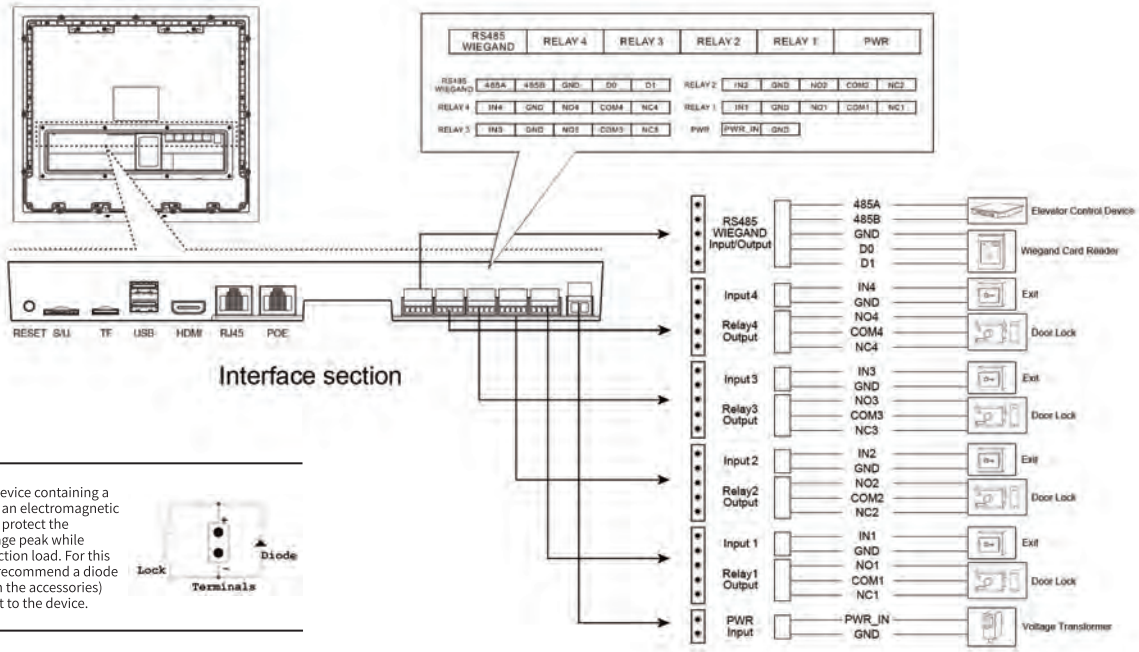
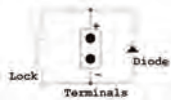Installation finished, please remove the protective film.

If you need remove card reader cover, please use the removal tool, insert into the small round hole in the upper left corner of the card reader cover and pull it out.
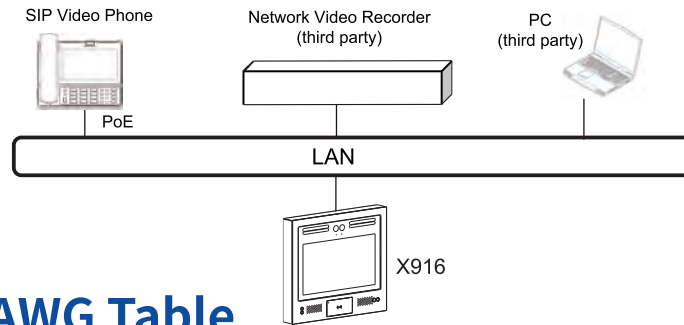
Akuvox Smart Intercom

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 antiparallet to the device.

Application Network Topology

Wire Length & AWG Table

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

	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG
24V 2A Adapter	⩽40 m	⩽30 m	⩽30 m	⩽10 m	⩽5 m
12V 4A Adapter	⩽30 m	⩽20 m	⩽10 m	⩽5 m	\

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. X916 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.
Unlock by DTMF:
During the call, press the corresponding DTMF code from answer unit to unlock X916 remotely.
Unlock by Private Key:
In the PIN 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

YS91600000