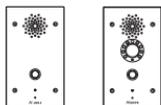## Unpacking

Before you begin using the device, please check the version you got and ensure that the following items are included in the shipped box:
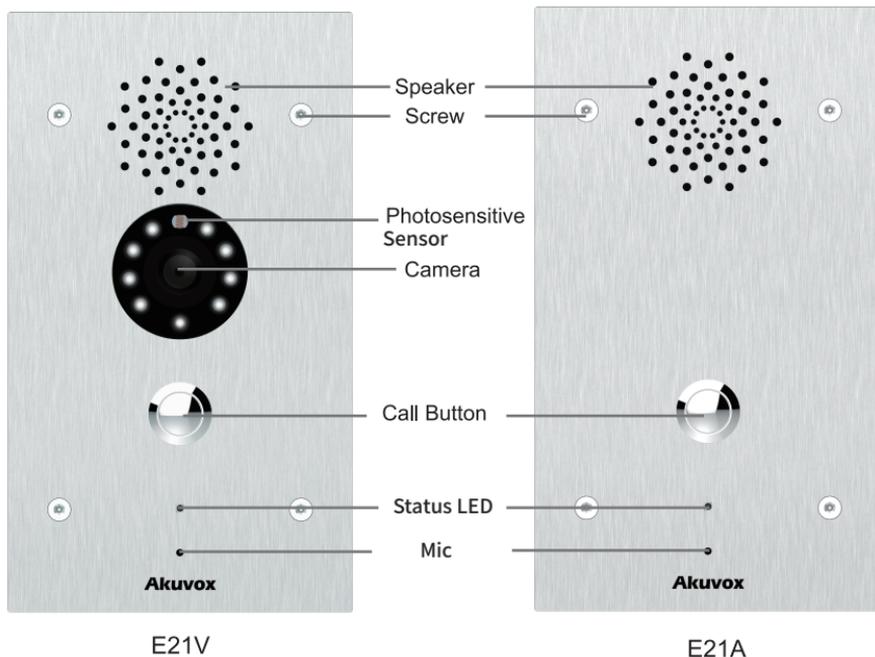
E21A/E21V x 1   M4x15 Torx head screw x 4
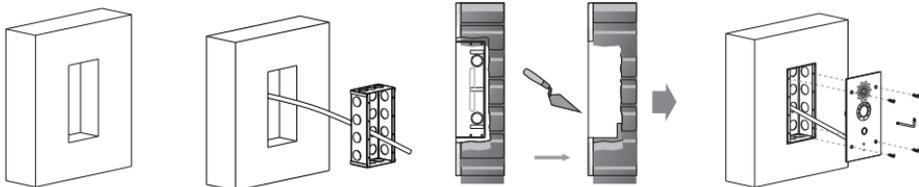
Torx wrench x 1   Flush-mounting box x 1（Optional）

Product Overview

Speaker
Screw

Photosensitive Sensor
Camera

Call Button

Status LED
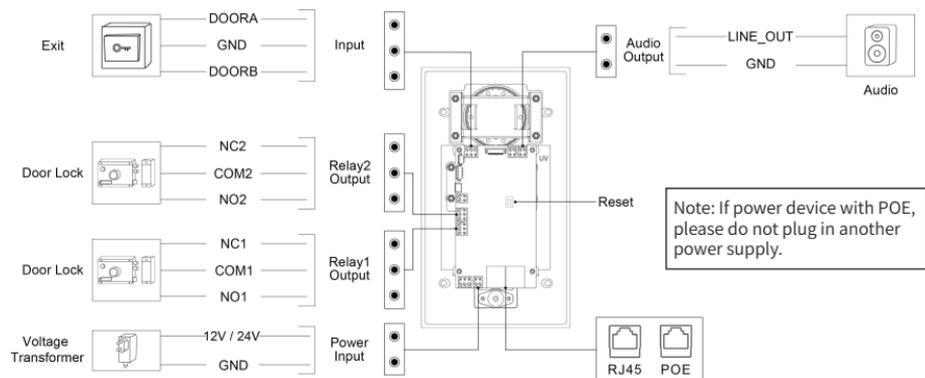Mic

E21V

E21A

Akuvox Smart Intercom

Installation

According to the position of the cable, cut a square hole in the wall of the height of 190mm，width of 100 and depth of 60 mm that can accommodate and through out all necessary cables.

Knock out suitable cable holes of the flush-mounting box,then insert the flush-mounting box into the square hole on the wall and route through all cables.

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

Fix E21X on the flush-mounting box with four M4x15 Torx head screws.

Device Wiring

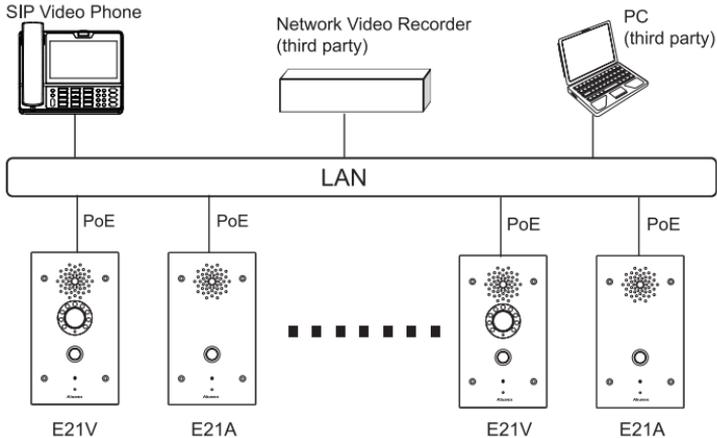Note: If power device with POE, please do not plug in another power supply.

Wire Length & AWG Table

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

	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
12V 1A Adapter	≤50m	≤50m	≤50m	≤40m	≤20m

Quick Guide

Application Network Topology

Configuration

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

IP Announcement

1.While E21X starts up normally, hold the **Call Button** for several seconds after Status LED light turns blue, the voice system will enter IP announcement mode.
2.In announcement mode, the IP address will be announced periodically.
3.Press **Call Button** again to exit the announcement mode.
* If no IP address has been obtained, E21X announces "IP 0.0.0.0".

Operation

Make a call:

1. Press the **Call Button** to call indoor SIP Phone, video call is only for E21V.
2. During the talk, a called party can press predefined DTMF code number to open the door.

Receive a call:

E21X supports Auto Answer by default. Incoming calls will be answered automatically.

LED Status Information

LED Status		Description
Blue	Always on	Normal status
	Flashing	Calling
Red	Flashing	Network is unavailable
Green	Always on	Talking on a call
	Flashing	Receiving a call
Pink	Flashing	Firmware upgrading

Note: For more LED settings, please check in **Intercom > LED** Setting of E21 Web UI.

Notice Information

Akuvox E21X firmware contains third-party open source software under the terms of the GNU General Public License(GPL). Akuvox is committed to meeting the requirements of the GNU General Public License (GPL) and will make all required source code available.

The source code of software under the terms of GNU GPL can be downloaded online: http://www.akuvox.com/gpl.

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