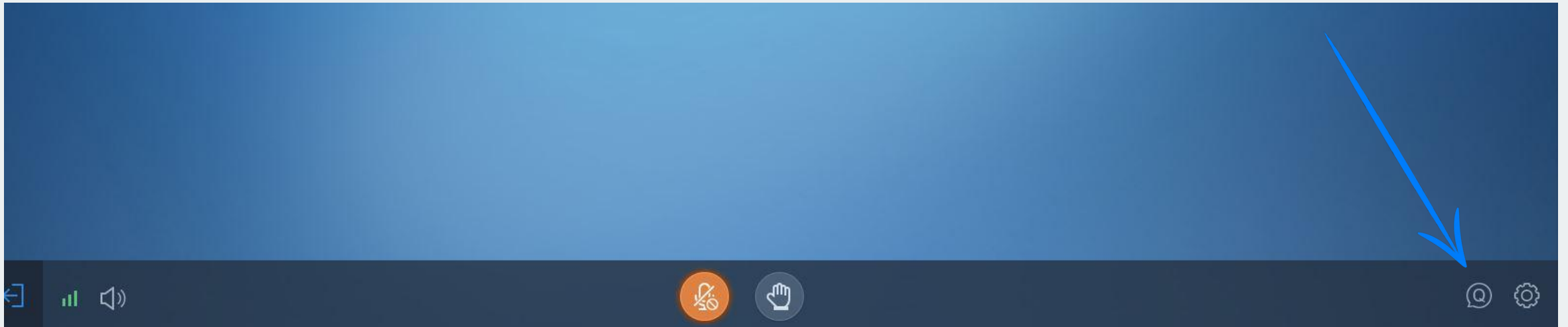




How to configure your Fanvil security solution

**During the webinar please use the Q&A feature
located in bottom right corner of your screen!**

**We will answer the questions at the end of the presentation
Thank you!**



We Are VoIP Supply

Reseller Benefits



Since 2002 VoIP Supply has delivered unparalleled service and expertise to over 125,000 customers worldwide.

VoIP Rental Program

our Device as a Service (DaaS) rental program gives your customers the widest variety of VoIP Products for a low monthly payment!

Hardware & Provisioning

featuring over 60 manufacturers that offer over 16,000 products and the ability to provision for you!

CloudSpan MarketPlace

a single place to shop various VoIP service providers - build up your MRR and receive discounts on hardware selling through VoIP Supply

Fulfillment

provisioning and professional services from multiple warehouse locations in North America; providing real-time access to manage your projects from order through delivery


Refresh & Reclaim

offering certified reconditioned devices at a fraction of the cost plus offering an outlet for selling off used and excess VoIP equipment

Table of Contents

- 1 Introduction of Fanvil Door Phone**
- 2 Installation Guide**
- 3 Daily use operation guide**
- 4 Set up Fanvil door phone**

Study Goal

- 
- Know Fanvil Door Phone Product Line
 - Learn how to install door phone
 - Understand the Daily Use Features
 - Learn how to set up door phone
 - Even More

1

Fanvil Door Phone Product Line

1.1 Fanvil i Series of Door Phone

i30/i20S

- HD audio/ video
- Numerical keypad
- Built-in RFID/IC card reader



i32V

- HD audio/ video
- Numerical keypad
- Built-in RFID/IC card reader



i31S/i23S





- HD audio/ video
- Numerical keypad
- Built-in RFID/IC card reader



i33V/VF

- A LCD display
- 2 SIP lines

1.2 Comparison of i Series Fanvil Door Phone

	i20S/i30	i23S/i31S	i32V	i33V
Model				
Power Supply	PoE/DC 12V 1A	PoE/DC 12V 1A	PoE/DC 12V 1A	PoE/DC 12V 1A
Output Relay	1	1	2	2
Indoor Exit Input	1	1	2	2
Built-in Camera	H264/720P (for i30 only)	H264/720P (for i31S only)	H264/720P	H264/720P
LCD Display	×	×	×	√
RFID Card	ID(EM4100) and IC(Mifare One)	ID(EM4100) and IC(Mifare One)	ID(EM4100) and IC(Mifare One)	ID(EM4100) and IC(Mifare One)
Speed Dial Button	1	1	1	0
Numeric dial pad	√	√	×	√
Mounting	Wall mounted	Wall mounted and flush mounted	Wall mounted	Wall mounted

1.3 Serverless Use case

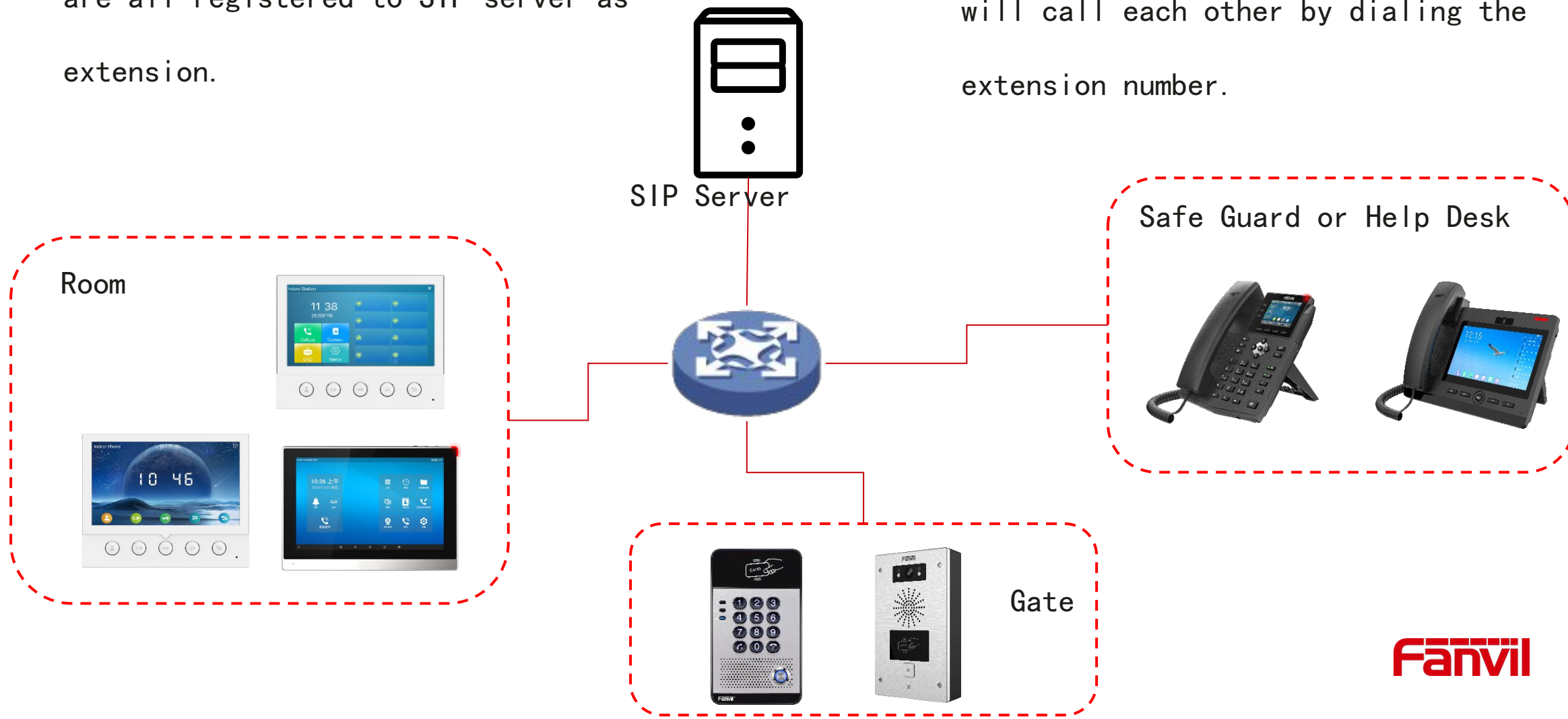
- All endpoint: Door phone, IP phone, Indoor station are connected to the same local network
- They will call each other by dialing the IP address
- Indoor station and IP Phone will need to add phonebook to show caller ID



1.4 Use case with SIP server

- Door Phone, IP Phone, Indoor station are all registered to SIP server as extension.

- Door phone, IP Phone, Indoor station will call each other by dialing the extension number.

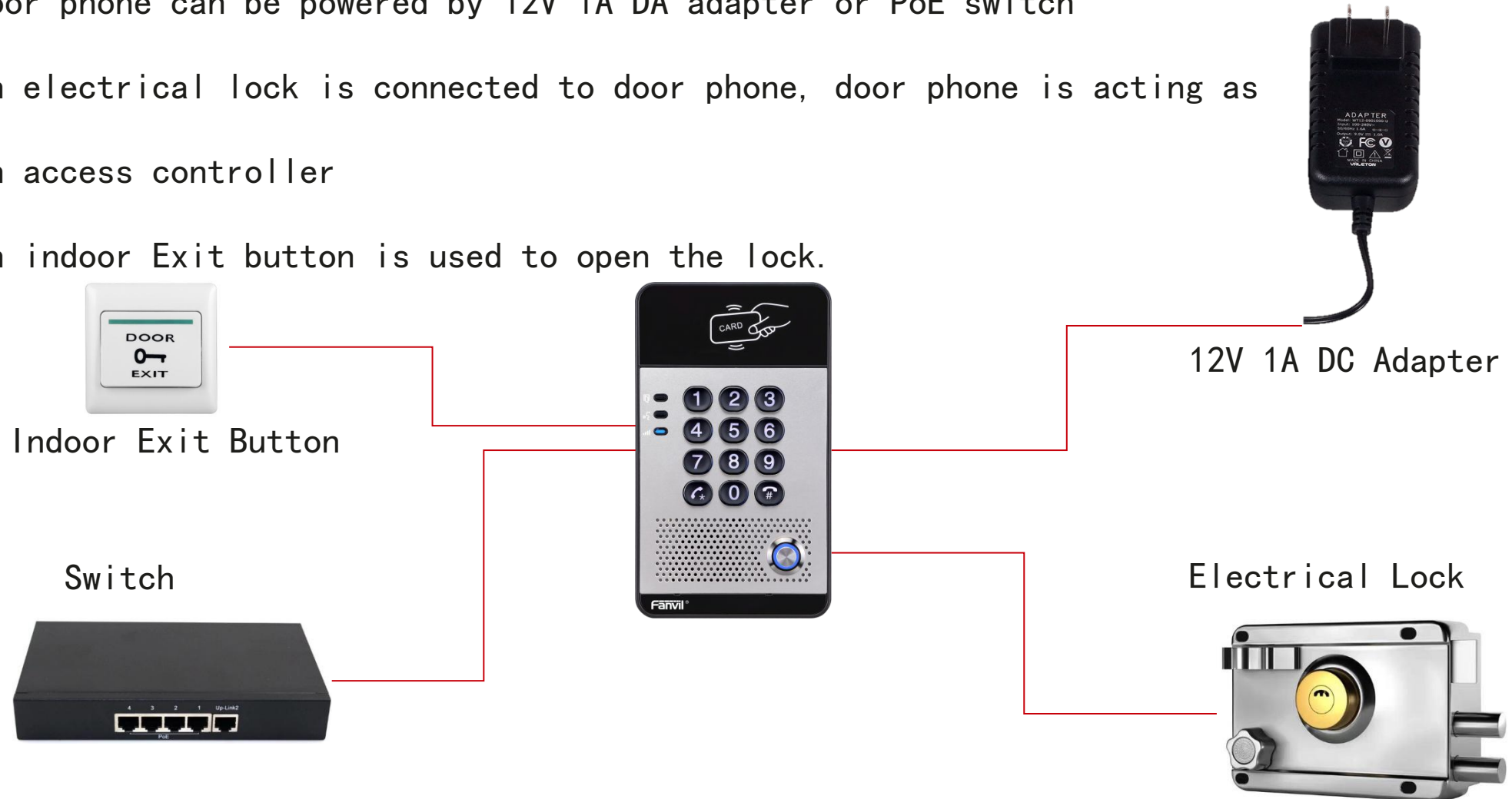


2

Installation Guide

2.1 Overview of connection

- Door phone can be powered by 12V 1A DA adapter or PoE switch
- an electrical lock is connected to door phone, door phone is acting as an access controller
- An indoor Exit button is used to open the lock.



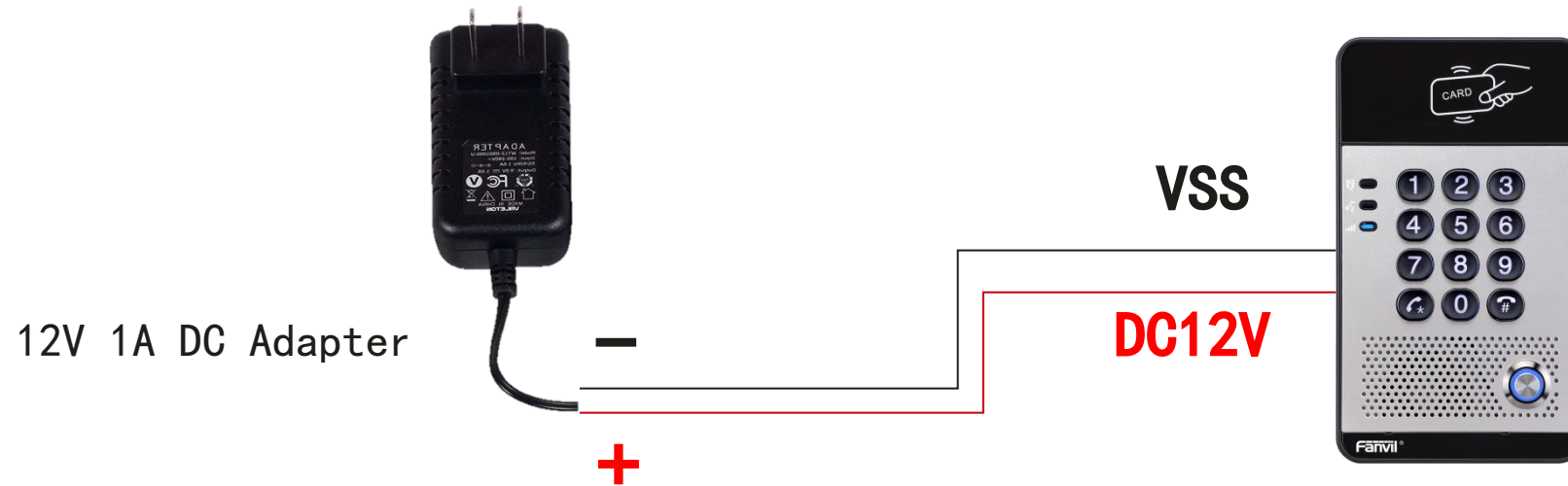
2.2 Power Supply Wiring: PoE

- Door phone unit can be powered by a single Ethernet cable



2.2 Power Supply Wiring: 12V 1A DC

- A alternative option is to power on the unit via 12V 1A DC adapter

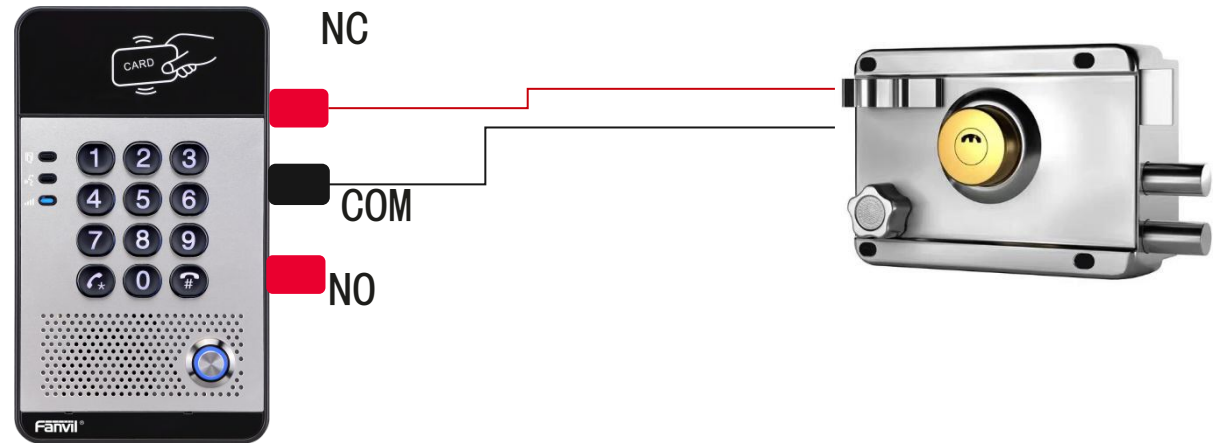


2.3 Electrical Lock connection: Active Mode

- Electrical lock requires **less** than 12V/500mA Power
- JP1 jumper connection to choose Active Mode

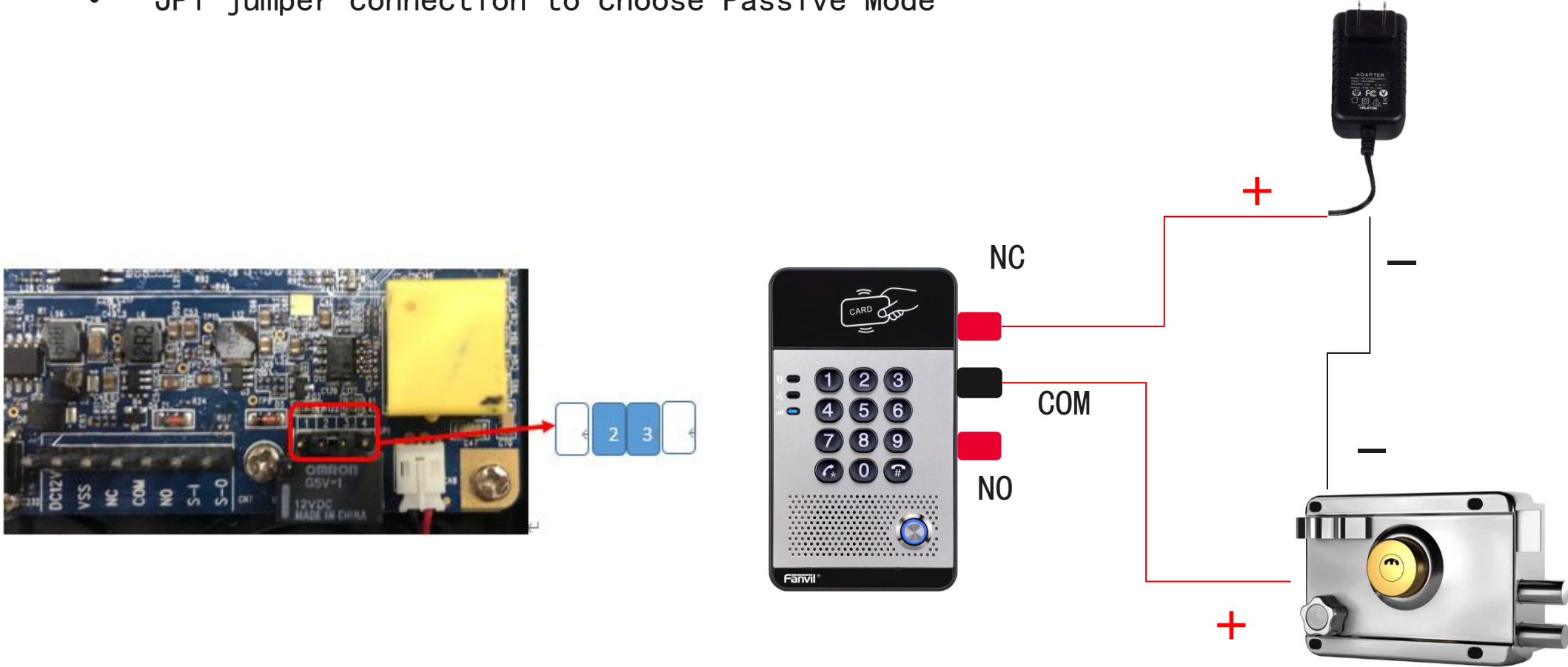


JP1 in Active Mode

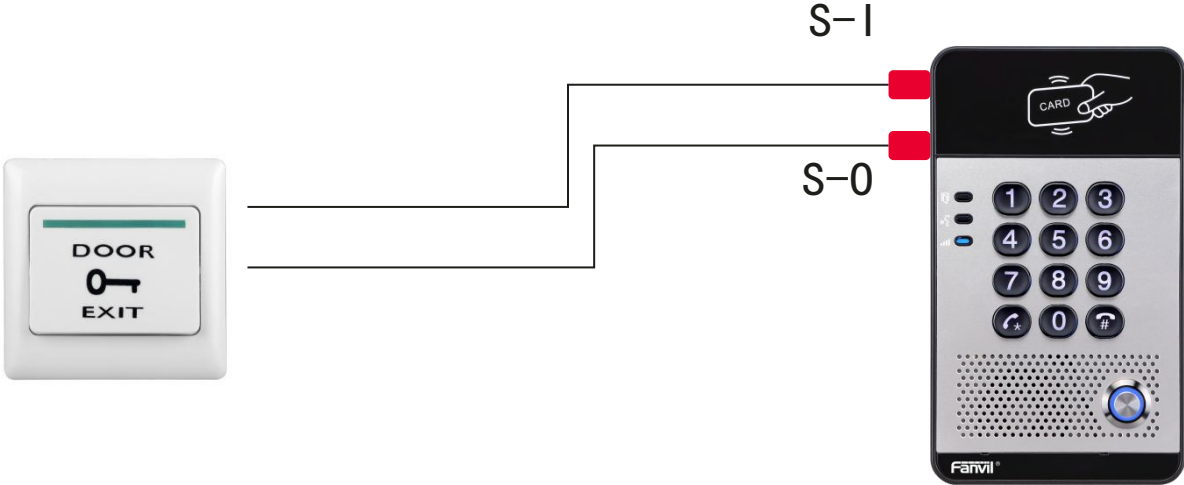


2.3 Electrical Lock connection: Passive Mode

- Electrical lock requires more than 12V/500mA Power
- JP1 jumper connection to choose Passive Mode

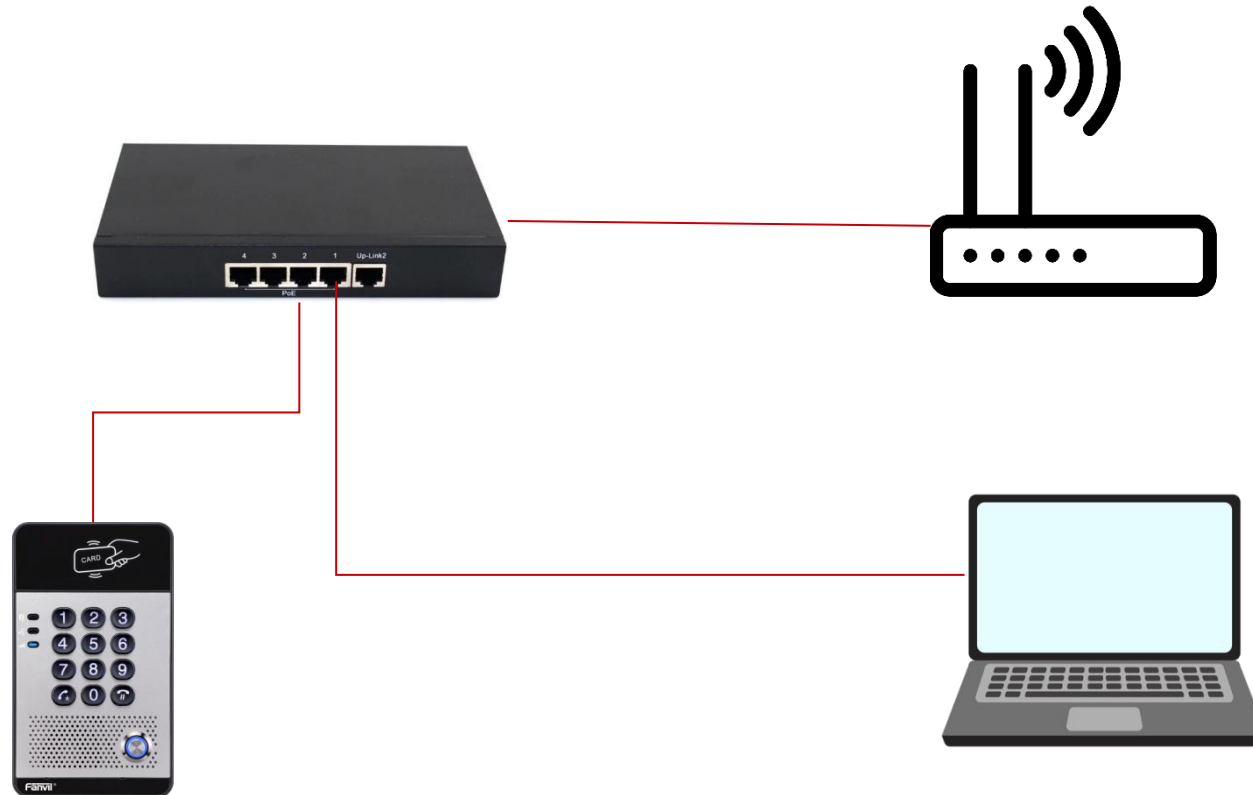


2.4 Indoor Exit Button Connection



2.5 Network Connection

- Default IP mode is DHCP, door phone will obtain IP address from router
- Long press # key to check the current IP address
- Access Web GUI of door phone from computer



2.6 Mounting

- All models support wall mounted
- Only model i23S and i31S support flush mounted
- Flush mounted accessories are standard, user needs to buy it separately



Wall Mounted only



Wall mounted and
flush mounted

3

Daily Use Operation Guide

3.1 Basic Call : Call via Speed dial button



Speed Dial Button

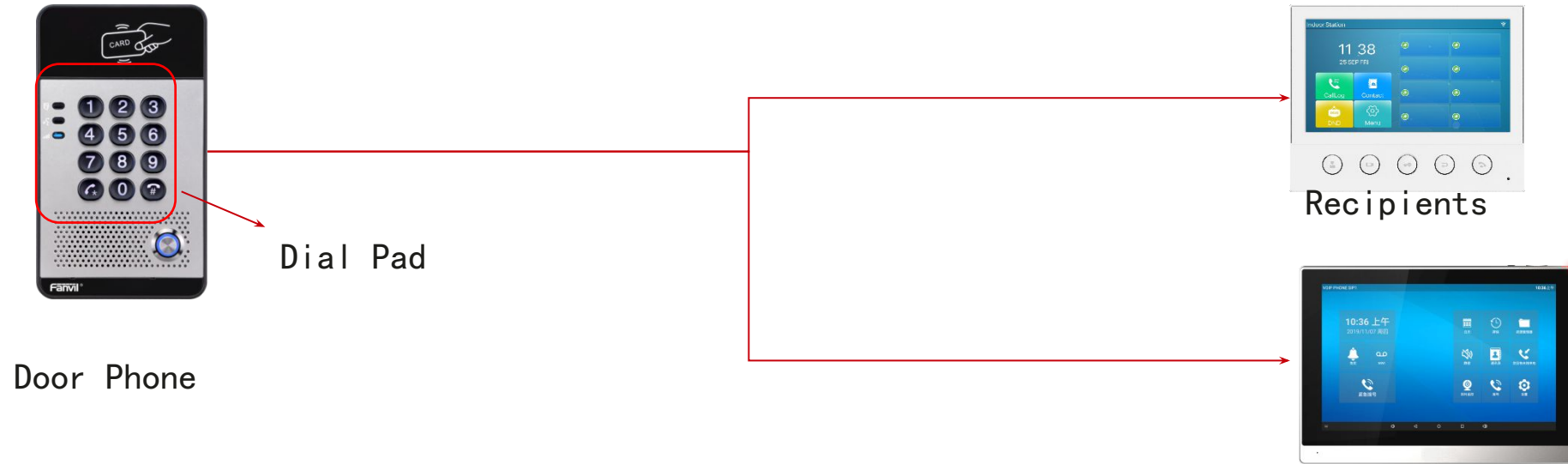
Door Phone



Help Desk IP Phone

- The speed dial button is usually configured to call the main help desk
- User can call help desk by one press on the speed dial button

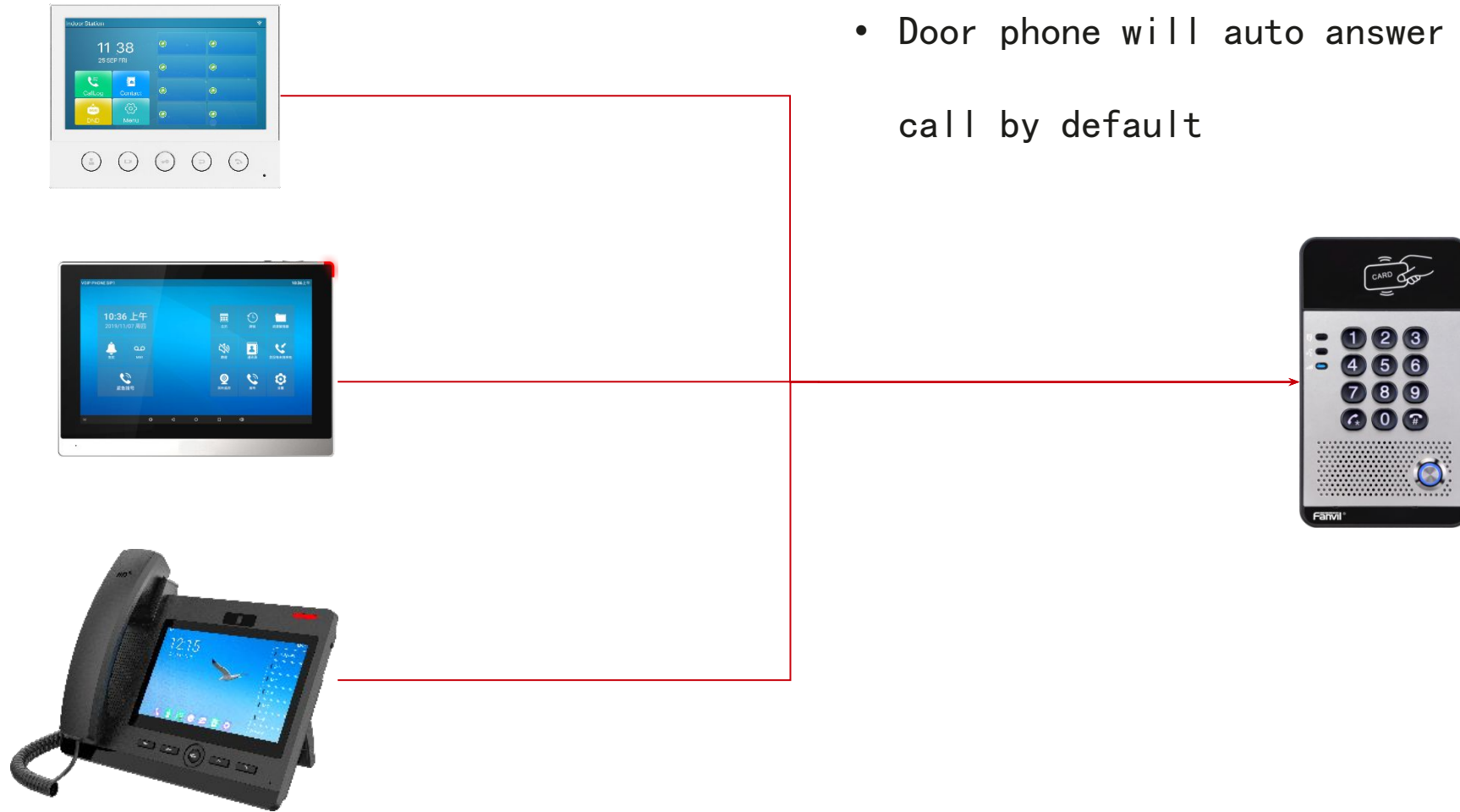
3.1 Basic Call: Call via dial pad



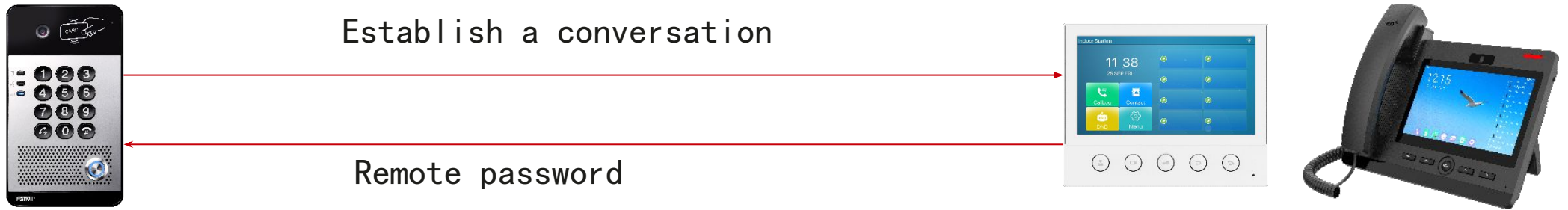
- To call the other recipients, user needs to use dial pad
- Operation steps:
 - Press the * key, user will hear dial tone
 - Enter the called number
 - Press * key to send the call (or set the number length)

3.1 Basic Call: Being called

- Door phone can receive incoming call
- Door phone will auto answer the incoming call by default



3.2 Door Control: Open via remote unit



- The electrical lock can be controlled remotely by indoor station/IP Phone/Mobile App which established a conversation with door phone.
- The operation steps :
 - Establish a conversation with remote party (Indoor station/IP phone)
 - User enter the “code” on indoor station/IP phone
 - Door phone receives the code, and open the lock if the code is matched.

3.2 Door Control: Open via RFID card



3.2 Door Control: Open via password



- Door can be opened by entering password on dial pad
- Local password is a default password, it's suggested to change this default password when setting up the door phone.
- access code is for different person. One has his own access
- Operation steps:
 - code
 - Press “local password” on dial pad, and press # to end
 - Press “location*access_code” on dial pad, and press # to end
 - By default, user needs to use “location*access_code”
 - Manager can configure the door phone to use “access code” only mode

Add Access Rule	
Name	<input type="text" value="Porter"/> *
ID	<input type="text" value="0008544359"/>
Card State	<input type="text" value="Enable"/> ▾
Department	<input type="text"/>
Location	<input type="text" value="1"/> ⓘ
Number	<input type="text"/>
Fwd Number	<input type="text"/>
Access Code	<input type="text" value="234"/> ⓘ

3.1 Door Control: Open via indoor Exit Button

- Indoor Exit Button input is enabled by default
- Exit Button is usually installed inside
- It's used to open the door from inside.



Exit Button

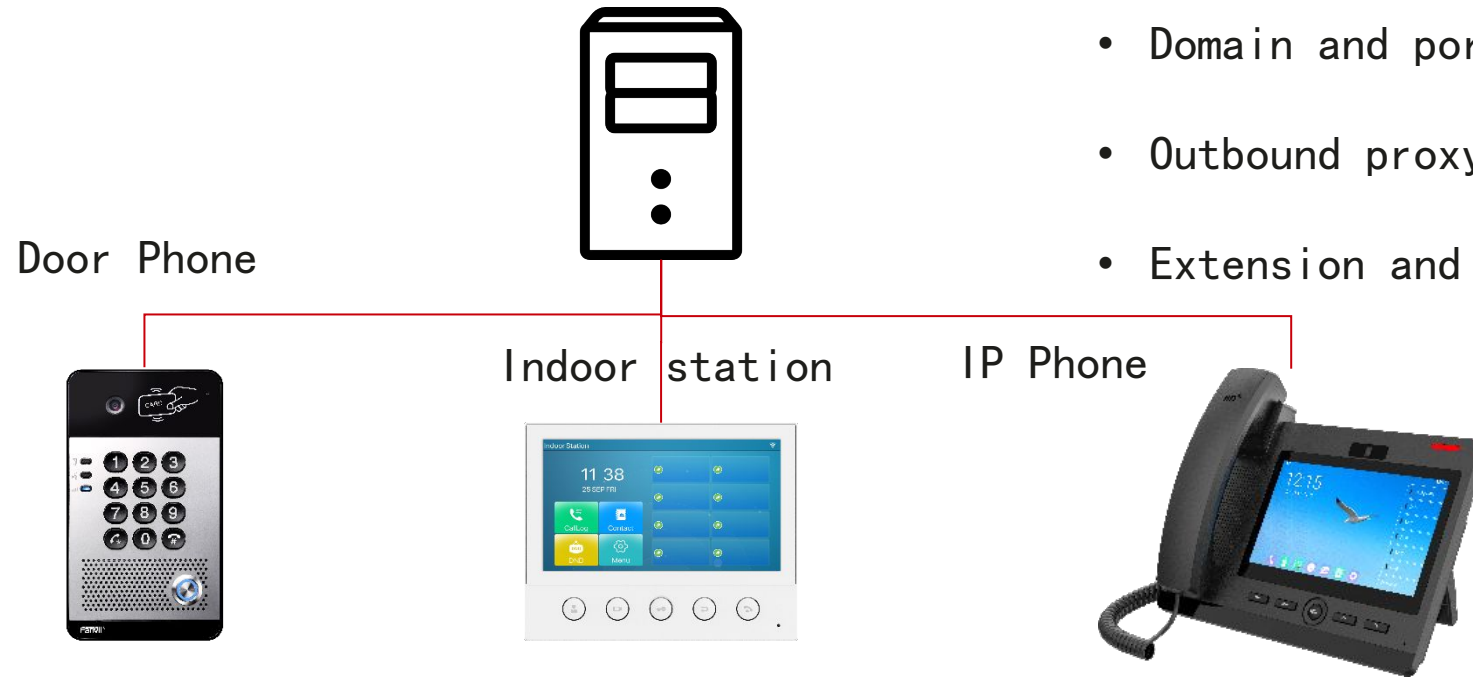


4

Set Up Fanvil Door Phone

4.1 Register to SIP server

- SIP server will provide necessary information:
 - Domain and port number of SIP server
 - Outbound proxy IP and port number if needed
 - Extension and password



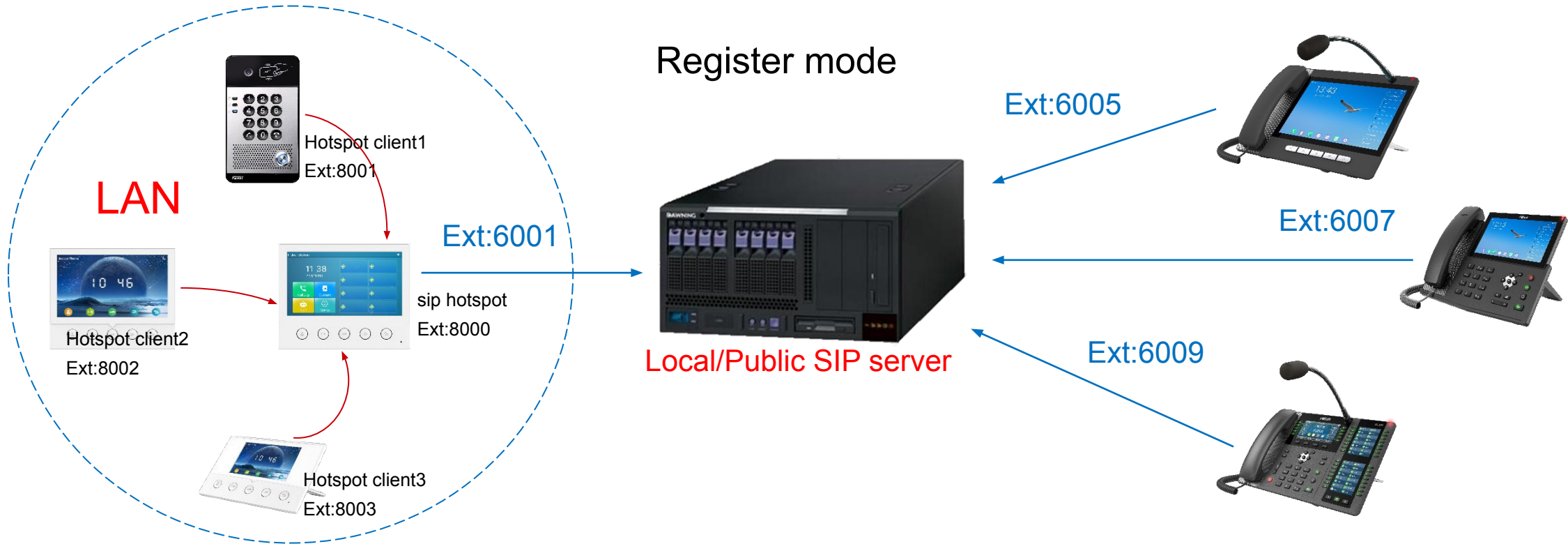
- User configure the extension information
- It's supposed to be “registered” status.

Line SIP 1 ▾

Basic Settings >>

Line Status	Registered	SIP Proxy Server Address	portsip.com
Phone number	5002	SIP Proxy Server Port	5060
Display name	5002	Backup Proxy Server Address	
Authentication Name	5002	Backup Proxy Server Port	5060
Authentication Password	•••••	Outbound proxy address	172.18.8.254
Activate	<input checked="" type="checkbox"/>	Outbound proxy port	5060
		Realm	

4.2 SIP Hotspot



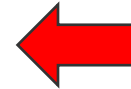
- Hotspot server phone registers sip account of sip server, clients connect to SIP hotspot server phone;
- Clients share the extension number of sip hotspot server, all clients will ring together or one by one with sip hotspot on incoming calls, any sip phone call out via sip hotspot extension number;
- Hotspot clients call each other with the extension number assigned by hotspot server;

4.2.1 How to Setup SIP Hotspot

The screenshot shows the 'SIP Hotspot' configuration page in 'Register mode'. The 'Line' dropdown is set to '9007@SIP'. The 'Register Settings' section includes fields for Line Status (Registered), Username (9007), Display name (9007), and Realm. There are two SIP Server sections, each with fields for Server Address, Server Port (5060), Transport Protocol (UDP), and Registration Expiration (3600 seconds). Proxy and Backup Proxy settings are also present.

Step1. Add one sip account on SIP hotspot device.

Add the sip account info from SIP server on hotspot device



The screenshot shows the 'SIP Hotspot Settings' page. The 'SIP Hotspot Settings' section is circled in red and includes: Enable Hotspot (Enabled), Mode (Hotspot), Monitor Type (Broadcast), Monitor Address (224.0.5.5), Local Port (16365), Name (SIP Hotspot), and Ring Mode (All). Below this is the 'Line Settings' section with six lines, each with an 'Enabled' dropdown and an 'Ext Prefix' field.

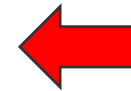
Step2. Enable SIP hotspot service on hotspot device

Mode: Hotspot

Monitor Type: Broadcast or Multicast

Monitor address: any from 224.0.0.0 to 239.255.255.255 is ok

Local Port: any from 0-65535 is ok, recommended is port over 1024



4.2.1 How to Setup SIP Hotspot

SIP Hotspot Settings

Enable Hotspot: Enabled

Mode: Client

Monitor Type: Broadcast

Monitor Address: 224.0.5.5

Local Port: 16365

Name: SIP Hotspot

Line Settings

Line 1: Enabled

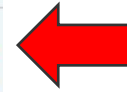
Line 2: Disabled

Line 3: Disabled

Line 4: Disabled

Apply

Step3. Enable SIP hotspot service on sip hotspot clients
Enable hotspot and select client as mode.



Type, monitor and local port must be the same as sip hotspot.

Local Extension Information

Ext	Group	Registration Number	Edit
0		9007	Edit

Managed Extension Information

Add Delete ReProvision Reboot Add to Group Move To UnManaged

Index	Extension Name	Mac	Model	SoftVersion	Ip	Ext.	Group	Status	Registration Number	Edit
-------	----------------	-----	-------	-------------	----	------	-------	--------	---------------------	------

UnManaged Extension Information

Delete Move To Managed

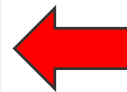
Index	Mac	Model	SoftVersion	Ip	Ext.	Status	Registration Number
<input checked="" type="checkbox"/>	0c:38:3e:46:29:2c	I51W	2.8.13	172.18.8.6	1	OnLine	
<input checked="" type="checkbox"/>	0c:38:3e:39:bd:7c	I10V	1.2.7	172.18.8.17	2	OnLine	
<input checked="" type="checkbox"/>	0c:38:3e:46:1d:ee	I52W	2.8.13	172.18.8.7	3	OnLine	
<input checked="" type="checkbox"/>	00:d8:4a:00:d4:56			172.18.8.19	4	OnLine	

Hotspot Group Information

Add Delete

Index	Name	Number	Edit
-------	------	--------	------

Step 4. Move unmanaged extensions to managed ones



Go to Hotspot Managed Extension page, move all clients from Unmanaged part to Managed part.

4.2.1 How to Setup SIP Hotspot

Then all the clients will be online, user can call each other with the extension number assigned by sip hotspot device.

Managed Extension Settings

Enable Manage Mode: Apply

Local Extension Information

Ext	Group	Registration Number
0	9007;	

Managed Extension Information

Add Delete ReProvision Reboot Add to Group Move To UnM

<input type="checkbox"/>	Index	Extension Name	Mac	Model	SoftVersion	Ip	Ext	Group	Status	Registration Number
<input type="checkbox"/>	1		0c:38:3e:46:29:2c	i51W	2.8.13	172.18.8.6	1		OnLine	9007;
<input type="checkbox"/>	2		0c:38:3e:39:bd:7c	i10V	1.2.7	172.18.8.17	2		OnLine	
<input type="checkbox"/>	3		0c:38:3e:46:1d:ee	i52W	2.8.13	172.18.8.7	3		OnLine	9007;
<input type="checkbox"/>	4		00:d8:4a:00:d4:56			172.18.8.19	4		OnLine	9007;

If sip hotspot is registered to sip server, all the clients use the same extension to call out or receive incoming calls.

Client Table

IP	MAC	Alias	Line
172.18.8.6	0c:38:3e:46:29:2c	1	1
172.18.8.17	0c:38:3e:39:bd:7c	2	
172.18.8.7	0c:38:3e:46:1d:ee	3	1
172.18.8.19	00:d8:4a:00:d4:56	4	1

SIP Hotspot Settings

Enable Hotspot: Enabled ?

Mode: Hotspot ?

Monitor Type: Broadcast ?

Monitor Address: 224.0.5.5 ?

Local Port: 16365 ?

Name: SIP Hotspot ?

Ring Mode: All ?

When there is incoming calls, all clients ring together with sip hotspot or ring one by one.

4.3 Hotspot Group



Hotspot group

- Hotspot clients connect to SIP hotspot server phone;
- SIP hotspot will assign extension for each hotspot client;
- Hotspot clients call each other with the extension number assigned by hotspot server;
- SIP hotspot and hotspot client can be added into a group;
- Call the group number will ring all members of the group;
- One member answer the call, all others stop ringing

4.3.1 Hotspot Group

The image consists of two side-by-side screenshots of the Fanvil web interface, specifically the 'Hotspot Managed Extension' page. The left screenshot shows the 'Add New HsmGroup' dialog box with 'Name: Test' and 'Number: 7000'. A yellow arrow points from the 'Add' button in the 'Hotspot Group Information' table to the right screenshot. The right screenshot shows the 'Add To Group' dialog box with 'Group: FAE' selected in a dropdown menu. The 'Hotspot Group Information' table in the right screenshot has the 'Add' button highlighted with a red box.

Hotspot Group Information Table (Left Screenshot):

Index	Name	Number	Edit
<input type="checkbox"/>	1	Sales	5000
<input type="checkbox"/>	2	FAE	6000

Managed Extension Information Table (Right Screenshot):

Index	Extension Name	Mac	Model	SoftVersion	Ip	Ext	Group	Status	Registration Number	Edit
<input checked="" type="checkbox"/>	1	0c:38:3e:46:29:2c	I51W	2.8.13	172.18.8.6	1		OnLine	9007;	Edit
<input checked="" type="checkbox"/>	2	0c:38:3e:39:bd:7c	I10V	1.2.7	172.18.8.17	2		OnLine		Edit
<input type="checkbox"/>	3	0c:38:3e:46:1d:ee	I52W	2.8.13	172.18.8.7	3		OnLine	9007;	Edit
<input type="checkbox"/>	4	00:d8:4a:00:d4:56			172.18.8.19	4		OnLine	9007;	Edit

Go to Hotspot Managed Extension page, add Hotspot group and add clients as members of the group;

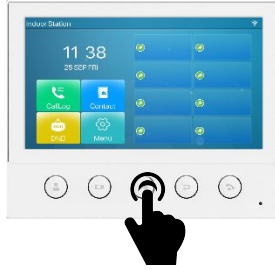
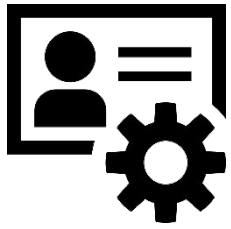
Dial group number, all the clients in the group will ring together.

4.3.2 Hotspot Group

- Ring group is one important feature of SIP server, which helps user to manage group calls.
- All indoor units support group management with SIP hotspot feature, user can add different groups to manage the clients together.
- Group management makes user able to manage group calls without sip server, it provides user one economy option to complete some scenarios.



4.2 Set Up Speed Dial Button and Remote Password



- Go to web - Function Key
- Select DSS key3, type as “DTMF”
- Enter DTMF code “*” into Value
- Go to web - EGS Setting - Feature
- Change option calling password to “*”
- Change option called password to “*”

Key	Type	Name	Value	Value2	Subtype	Line
DSS Key 1	Memory Key	Door Phone	1002		Speed Dial	1000@SIP4
DSS Key 2	None				None	AUTO
DSS Key 3	DTMF		*		None	AUTO

Apply

Common Settings	
Switch Mode	Monostable
Enable Card Reader	Enable
Card Reader HF Card Data Reverse	Automatic
Wiegand Data Reverse	Automatic
Limit Talk Duration	Enable
Calling Password	*
Called Password	*

4.5 Batch Import access list

The diagram illustrates the process of batch importing an access list. On the left is a physical access control device with a keypad and a camera. A red arrow points from the device to a red sidebar menu on the right. The menu includes options like System, Network, Link, EGS Settings, EGS ACCESS (highlighted), EGS Logs, and Function Key. To the right of the menu is a web interface for 'Import Access Table'. It features a 'Browse' button (highlighted with a red box) for selecting a file, a table of existing access rules, and a form to 'Add Access Rule' with fields for Name, ID, Card State, Department, Position, Type, Location Number, Pin Number, Access Code, Double Auth, and Profile Type.

- EGS Access will provide necessary information:
 - Import Access Table: Click the <Browse> to Choose to import remote access list file.
(list.csv)
 - Access Table: Refer to entrance guard access rules have been added.
 - Add access rule: Information associated with the user who will have access.

4.6 Add RFID Cards



Method 1: used to add cards for starters typically

Methods 2: used to add cards for professionals

Method 3: used to add few cards

Switch-On Duration (1~600)Second(s)

Card Reader Working Mode **Normal**
Card Issuing
Card Revoking (00) Second(s)

Talk Duration

Add Access Rule

Name

ID

Card State

Department

Position

Type

Location

Number

Fwd Number

Access Code

Double Auth

Traffic

Access Table >>

[Click here to Save Access Table](#)

Index	Name	ID	Department	Position	Location	Number	Fwd Number	Access Code	Double Auth	Profile	Type	Issuing Date	Card State
1	lee	0000127423							Disable	none	Guest	2017/05/29 17:31:23	Enable
2	zhangsan	0120031310							Disable	None	Guest	2017/05/29 17:30:58	Enable

Thank you.



CONTACT INFORMATION



Hector Zurita

Fanvil

Technical Support

Tel: (+1)858-433-6612



Brian Hyrek

VoIP Supply

Solutions Consultant

p: 716.531.4318

m: 716.601.4474

BHyrek@VoIPSupply.com