



# CP-11



## User Manual

*The CP-11 is a 10.1" Android Intercom Monitor Control Panel for home Automation.*



2016/3/10

## WELCOME

Congratulations on purchasing the CP-11 10.1" Android Intercom Monitor Control Panel. This control panel is a multi-touch panel to control your video intercom. It is for use within a building. The use of IP technology and SIP protocol gives the intercom various options for connection to telephone systems. You can truly experience the perfect life of "intelligent community" and "smart home".

The CP-11 control panel is operated by Android system and supports Wi-Fi and SIP protocol with Door Phone. The CP-11 makes a warm home style by plug and play equipment and suitable for all your door entry communication needs.

Now let the CP-11 transform your house into a digital home in today's hi-tech world.



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# Chapter 1 Introduction

The **CP-11** 10.1” Android Intercom Monitor Control Panel is a multi-touch panel with rectangular shape that has an easy-to-install surface mount to control your video intercom. The control panel also interfaces with PoE connectivity option to reduce installation costs. Using CP-11 to turn your house into a digital home just got easier with the help of plug and play equipment.

The CP-11 control panel combines a CPU board, a LCD display, and a user-friendly human machine interface touchscreen within a compact housing. It is operated by Android operating system and supports Wi-Fi and SIP protocol with Door Phone. The CP-11 provides a comfort digitalized home environment and meets your door entry communication needs.

## 1.1 Key Features

- 10.1 inch LCD 1280x800 HD resolution with 10-point projected capacitive multi-touch
- Supported rooted Android system
- Support SIP peer to peer mode and Asterisk IP-PBX register mode
- H.265/ HEVC Video Decode
- Internet video Streaming: UDP multicast, RTSP, HLS streaming
- Micro USB port
- VESA mount built-in with 75mm x 75mm
- PoE support and compliance with IEEE802.3at
- Build-in intercom software
- Support SIP intercom (work with DP-104)

## 1.2 Technical Specifications

Technical Specifications	
<b>Hardware Specifications</b>	
Operating system	Android 5.1.1
CPU (SoC)	ARM Quad-Core Cortex-A7 1.3GHz
CPU	Mali400
RAM	DDR3-1GB
Storage	8GB NAND Flash
Resolution	1280x800 HD resolution
Screen Size	10.1 inch
Language	Default: English ; Multi-Language support
<b>Network</b>	
WiFi	IEEE 802.11 b/g/n Wireless
Ethernet	PoE support and compliance with IEEE802.3at
<b>Interface</b>	
Micro USB port	USB Device
Ear Phone	3.5mm ear phone jack
Power Input	PoE input or Power adaptor input
Network	PoE RJ45 LAN Port x 1
Front Camera	0.3M Pixel
Micro Phone	Micro phone inside
LED Indicator	White (Power on)
VESA Mount	VESA mount built-in with 75mm x 75mm
<b>Video Streaming</b>	
UDP Streaming	Support multicast UDP stream decode
RTSP Streaming	Support RTSP stream decode
HLS Streaming	Support HLS stream
<b>Media Parameter</b>	
Video Decoder	Real-time video decoder of MPEG-1, MPEG-2, MPEG-4, H.263, H.264, AVS, VC-1, RV, VP6/VP8, Sorenson Spark, MVC H.265 up to MP level 4.1 High Tier : 1080p@60fps H.264 up to HP level 4.2 : 1080p@60fps MPEG-4 up to ASP level 5 : 1080p@60fps MPEG-2 up to MP : 1080p@60fps MPEG-1 up to MP : 1080p@60fps H.263 : 576p@60fps(720x576)

	Sorenson Spark : 1080p@60fps VC-1 up to AP level 3 : 1080p@30fps RV8/RV9/RV10 : 1080p@60fps VP6/VP8 : 1080p@60fps AVS : 1080p@60fps MVC : 1080p@60fps
Image browser	Support JPEG, BMP, PNG
<b>Physical and Environmental Characteristics</b>	
Dimensions(L x W x H)	247 mm x 173mm x 23 mm
Operating Temperature	0 ~ 45°C
Storage Temperature	-20°C ~ 50°C
Humidity environment	5% ~ 90% (No condensation)
Power Adaptor (AC Adapter)	<ul style="list-style-type: none"> <li>■ INPUT: AC100V~240V, 50/60 Hz</li> <li>■ OUTPUT: DC 12V, 1A</li> </ul>

## Chapter 2 Quick Install

The CP-11 10.1" Android Intercom Monitor Control Panel requires minimal configuration for a typical installation.

### 2.1 Unpacking

Open the carton and unpack the items. Your package should include:

- One CP-11
- One AC adapter: OUTPUT: DC 12V 1A

If items are missing or damaged, notify your Avadesign representative. Keep the carton and packing material.

### 2.2 Remove stickers

There are transparent stickers on the surface of CP-11 Android Intercom Monitor Control Panel. Please remove it.

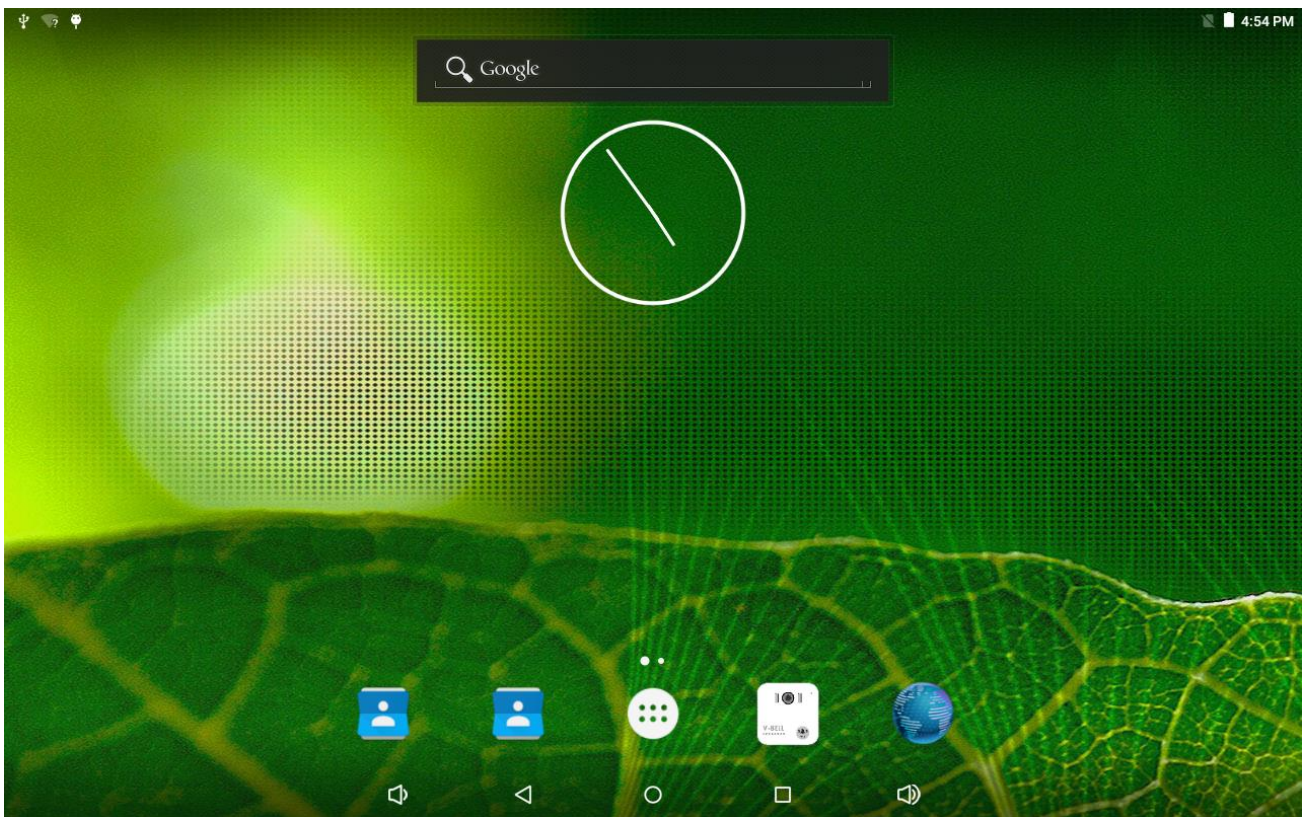
### 2.3 The Procedure of Connection

- Step 1: Mounting on the wall. Select a location, Surface-mount the CP-11 at desired location.
- Step 2: Plug in the power adapter to CP-11.



## Chapter 3 How to use the CP-11

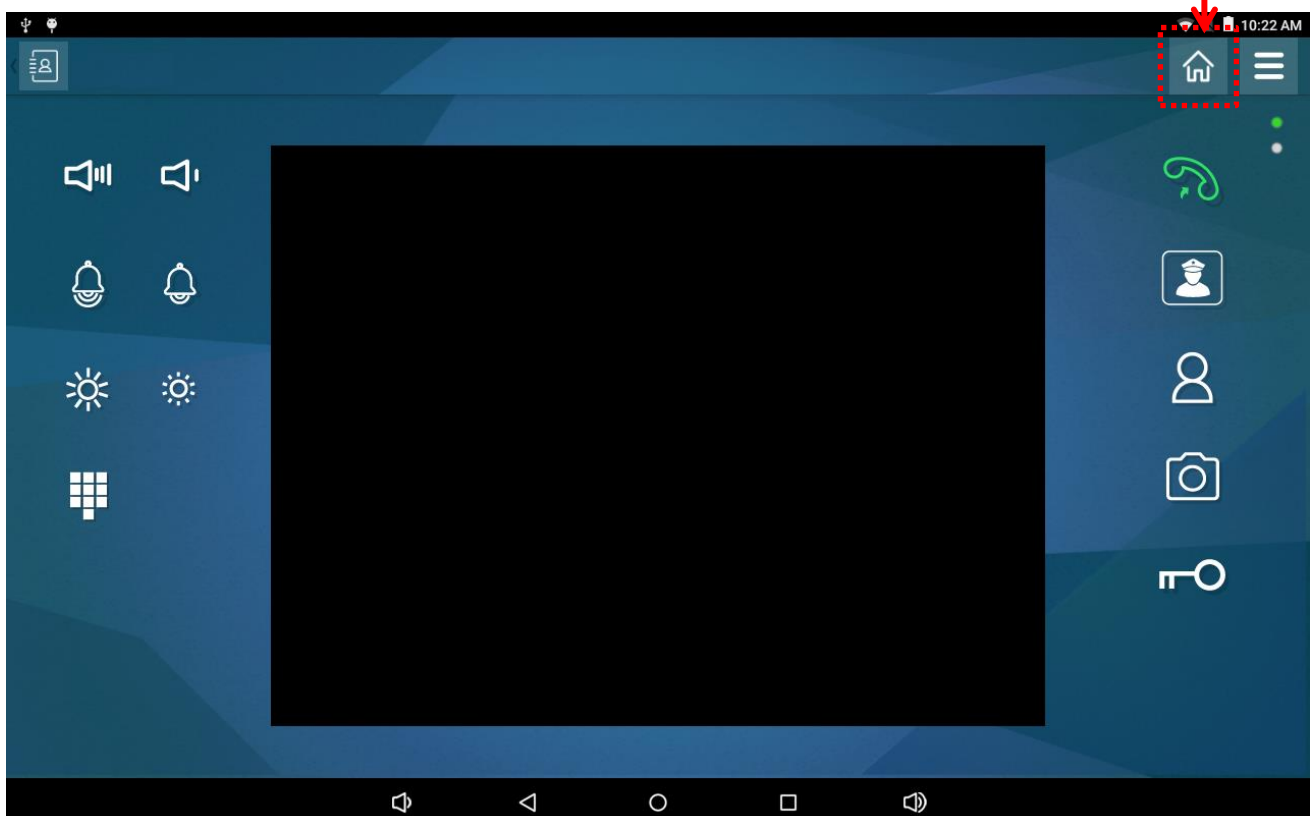
After you connect to the power, wait for a while, you will see the first page display as following diagram.



Then click the door phone icon  to enter the CP-11 home page.

### CP-11 Home Page



Home key

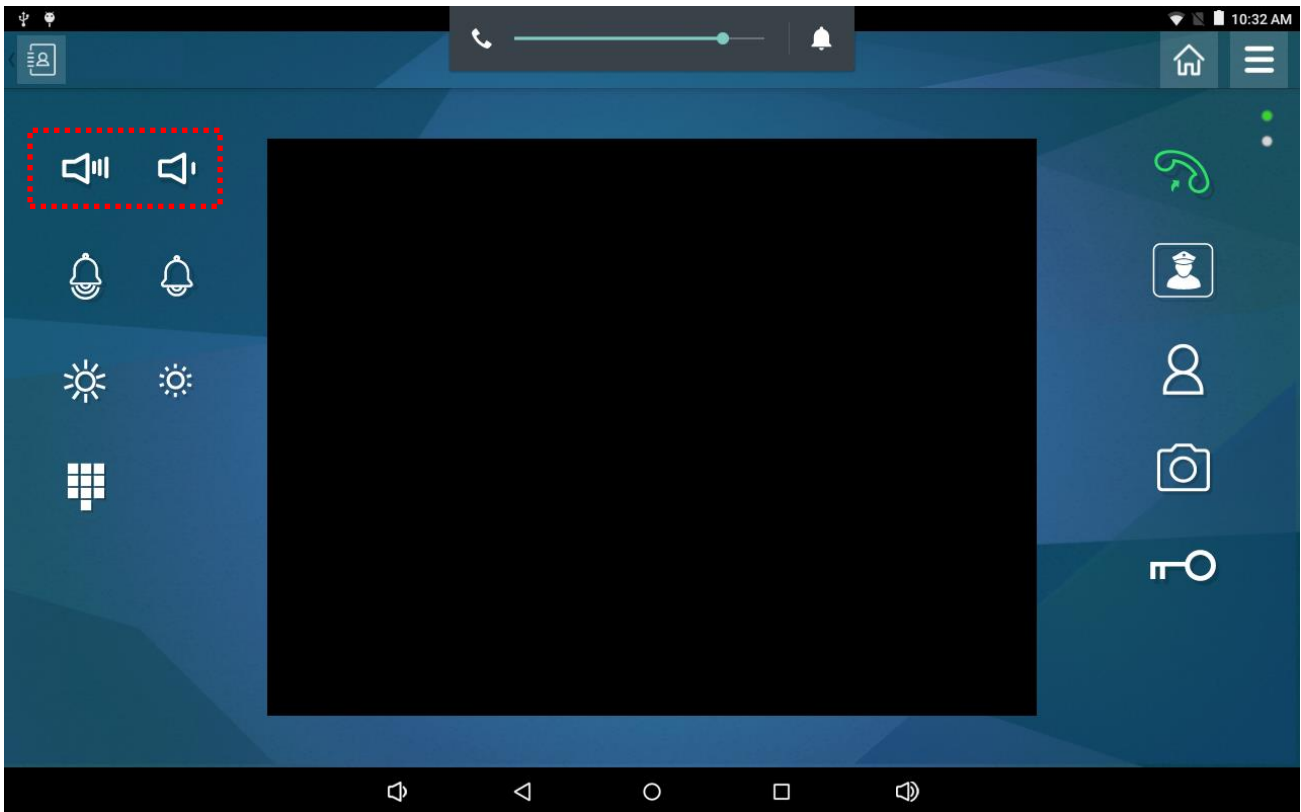




The home page of CP-11 shows the voice volume adjustment, ring tone adjustment, and dial pad on the left side of screen. There are five icons for door phone on the right side of screen. And setting function key on the upper right corner of screen. There are also a home key on the top of screen to help user return to his/her home automation system. We will introduce each function late.

### 3.1 Voice Volume Adjustment


You can control the CP-11 voice volume by clicking on “” or “” button. Please refer to following diagram.

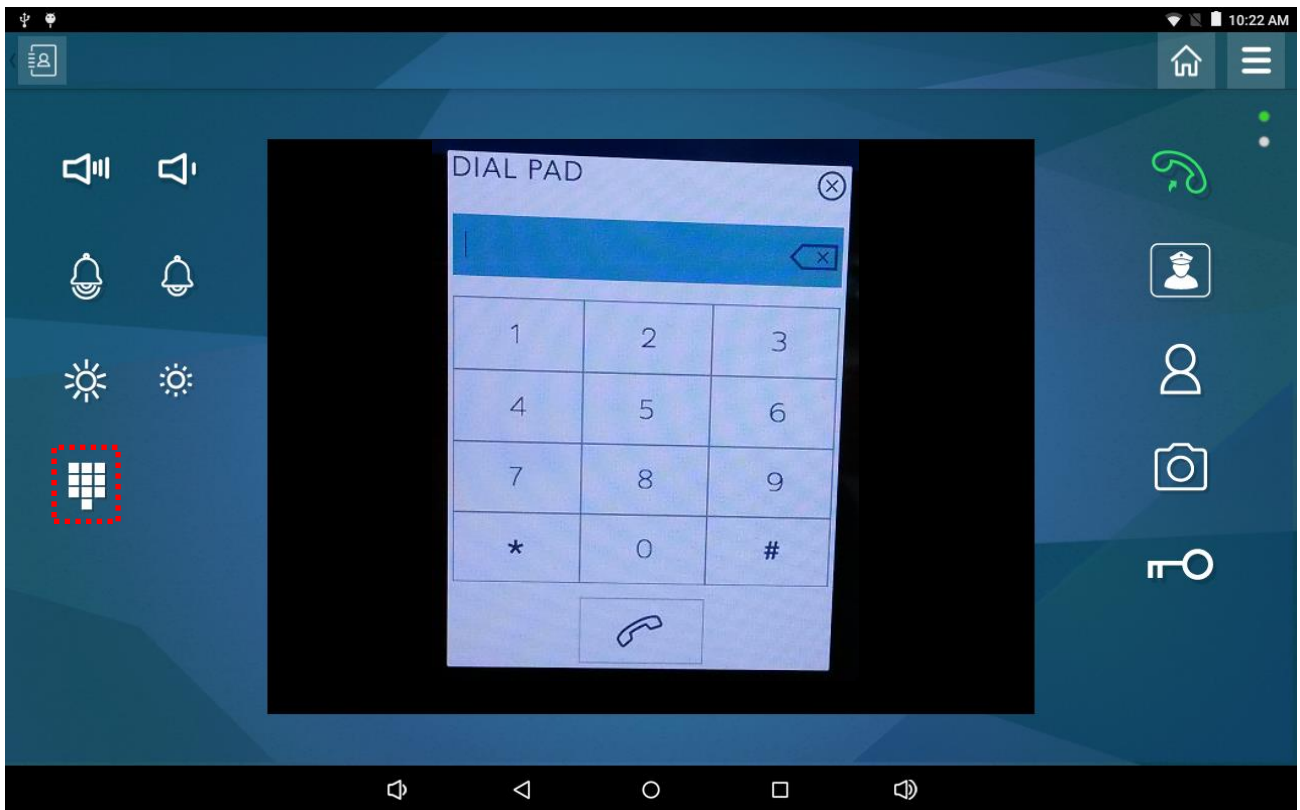


### 3.2 Ring Tone Adjustment


You also can click  or  button to adjust the ring tone volume.

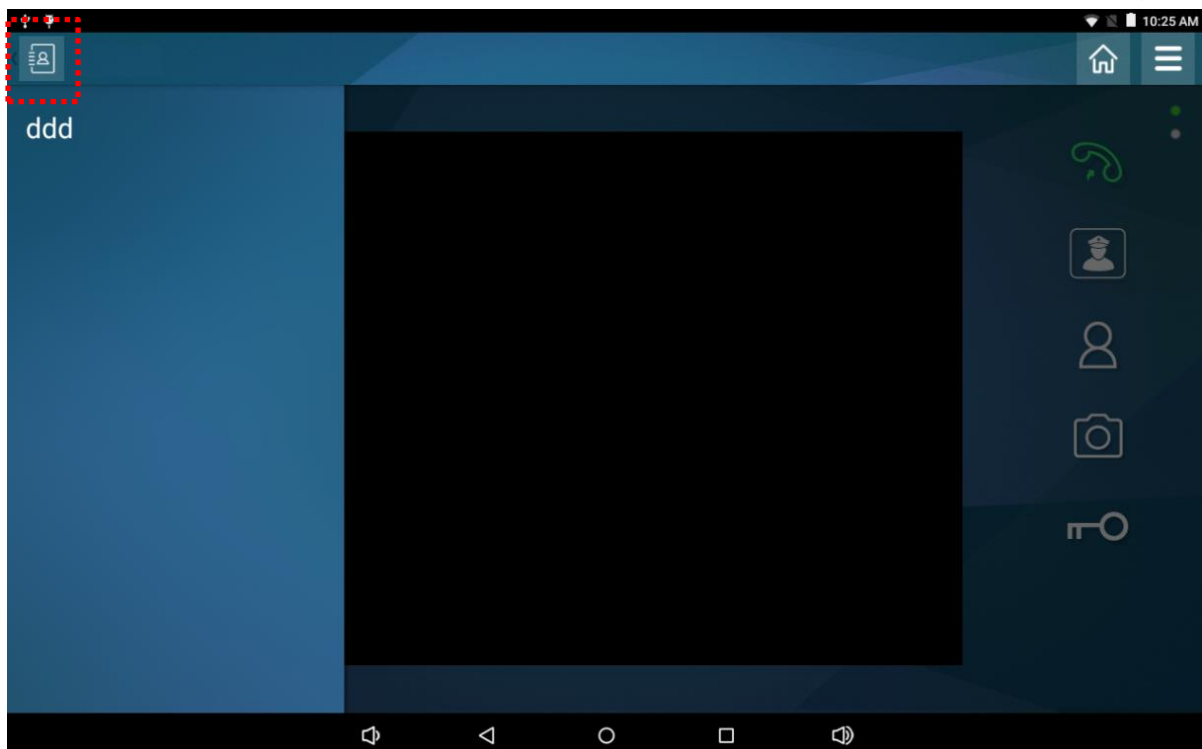
### 3.3 Dial Pad

You also can click  button for dial pad. A dial pad used to enter a phone number when initiating a call to another phone. Now you can input the phone number to dial out. Please refer to following diagram.




### 3.4 Contact List


You also can click  button on the upper left corner of screen for contact list. Pressing the account name "ddd" on the screen, you can talk with ddd. Please refer to following diagram.



### 3.5 Handset


The handset icon on the screen shows the status of call. When you pick up the call from visitor, the handset icon will change to red color . Now callers at your door can talk to you. You can also look at callers. Then open the door.

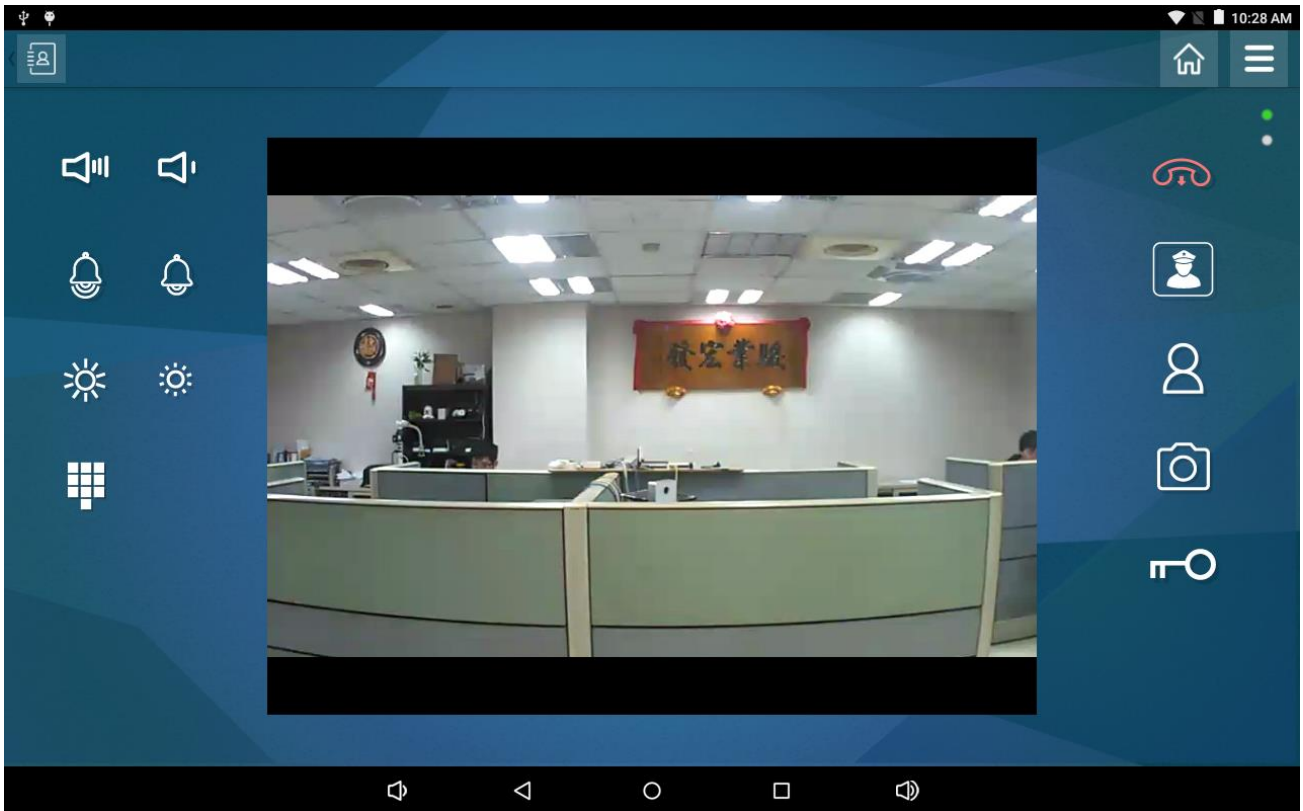
### 3.6 Janitor

When you click the icon of Janitor on the home page, the screen will show as below and you can talk to janitor directly. Now the handset icon on the screen will display as .



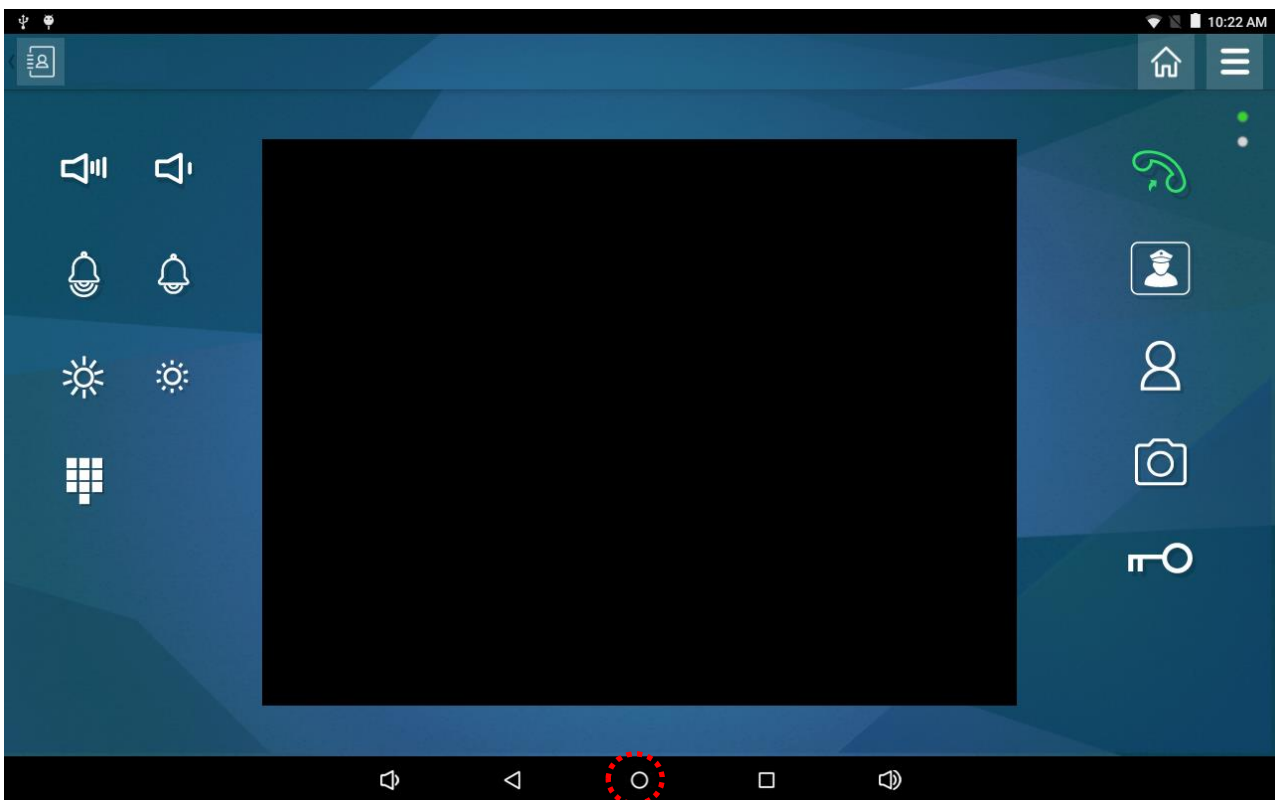
### 3.7 Intercom

When visitor at your door, you can look at him/her, talk to him/her, then open the door with the simple press of a button  on the screen. If you want to identify who is at your door before you answer the call or before letting them in, then the intercom DP-104 is available with a built-in IP camera supporting up to 1280 x 720 HD video. This video can be viewed and shows real-time video on the screen. Please refer to following diagram.



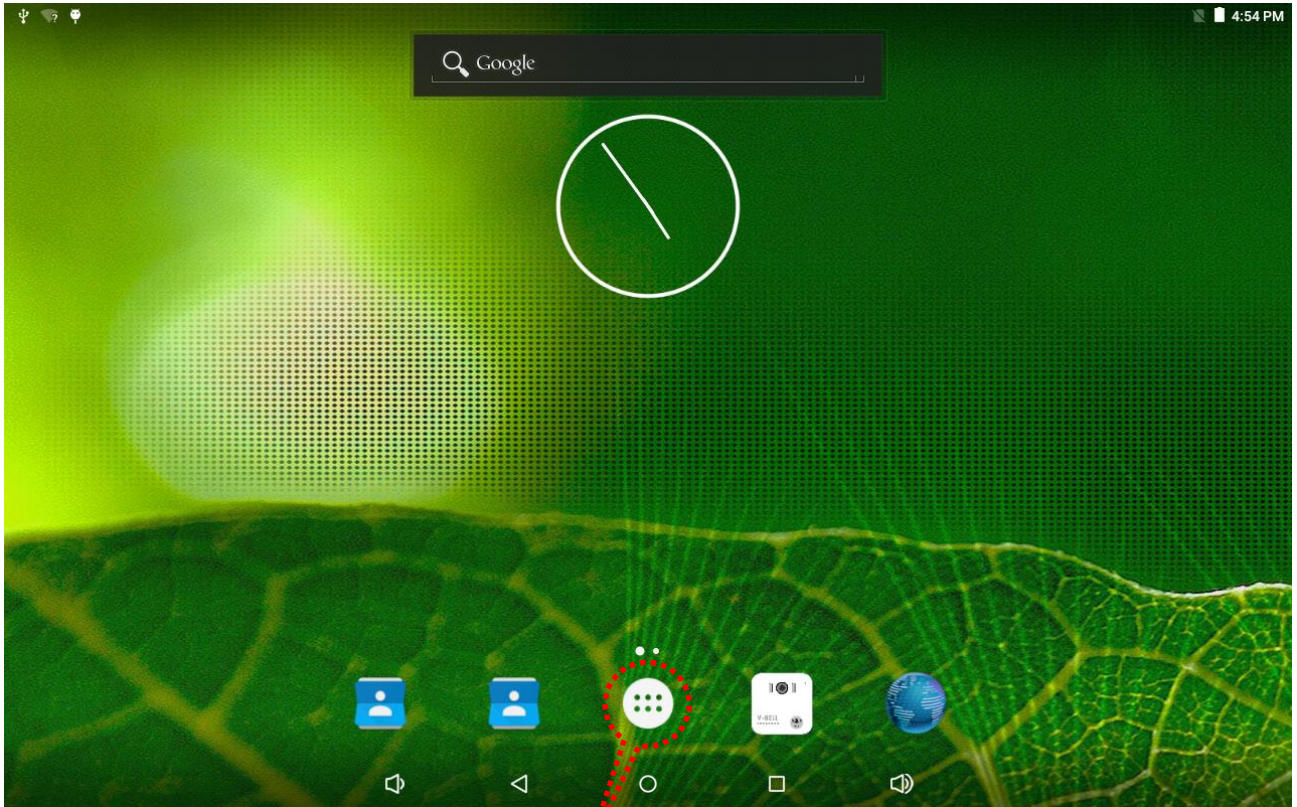
### 3.8 Snapshot

The button of snapshot provides to catch the visitor image for you. If you would like to keep the snapshot picture, please follow up these steps that described as below.

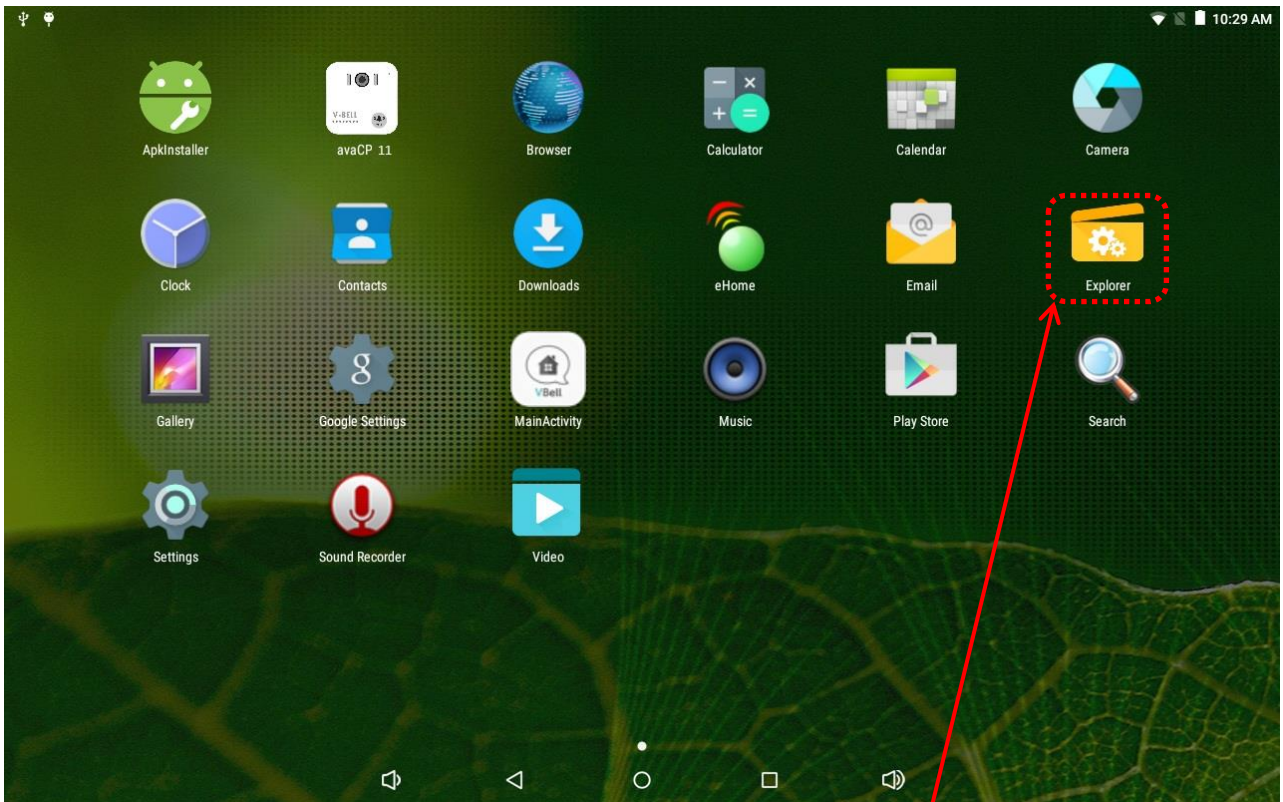


Step 1: click this circle and go to the first page.

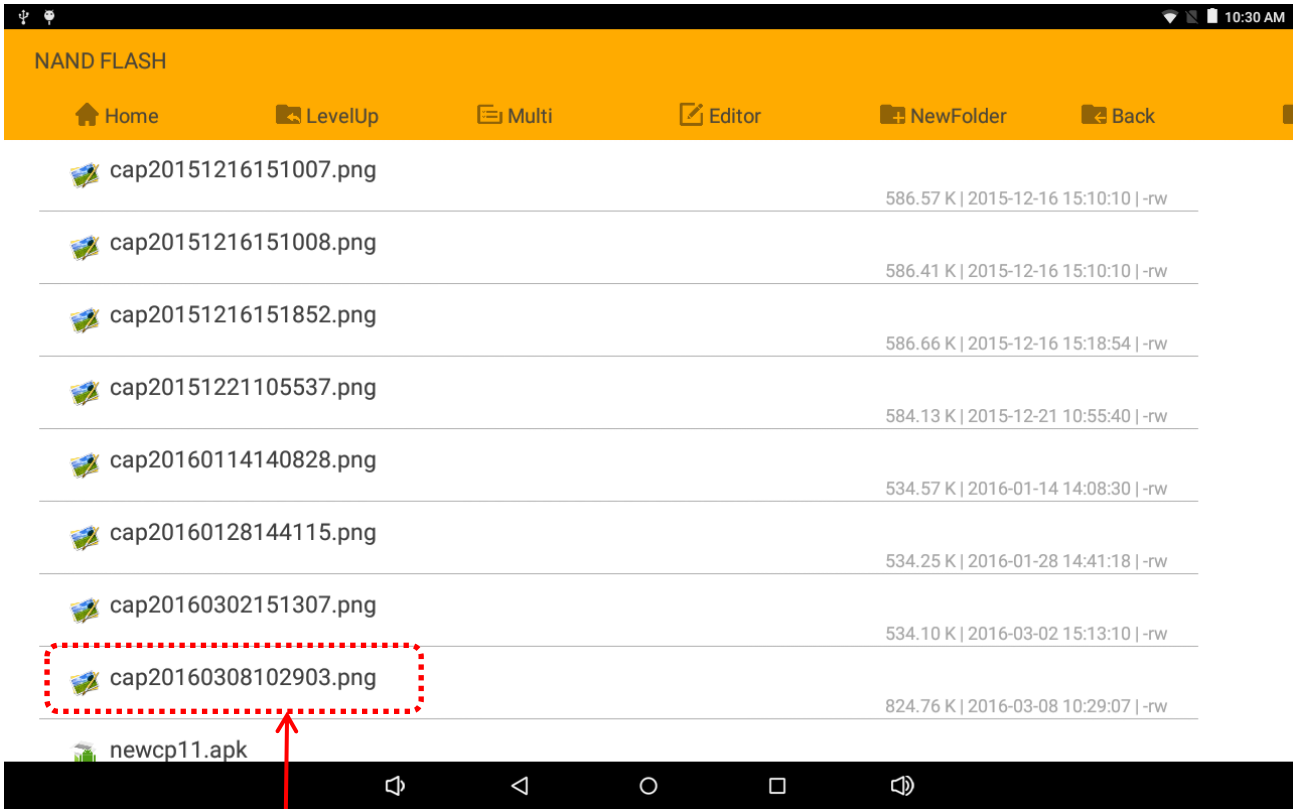




Step 2: Then click the white circle button and go to the android system screen.

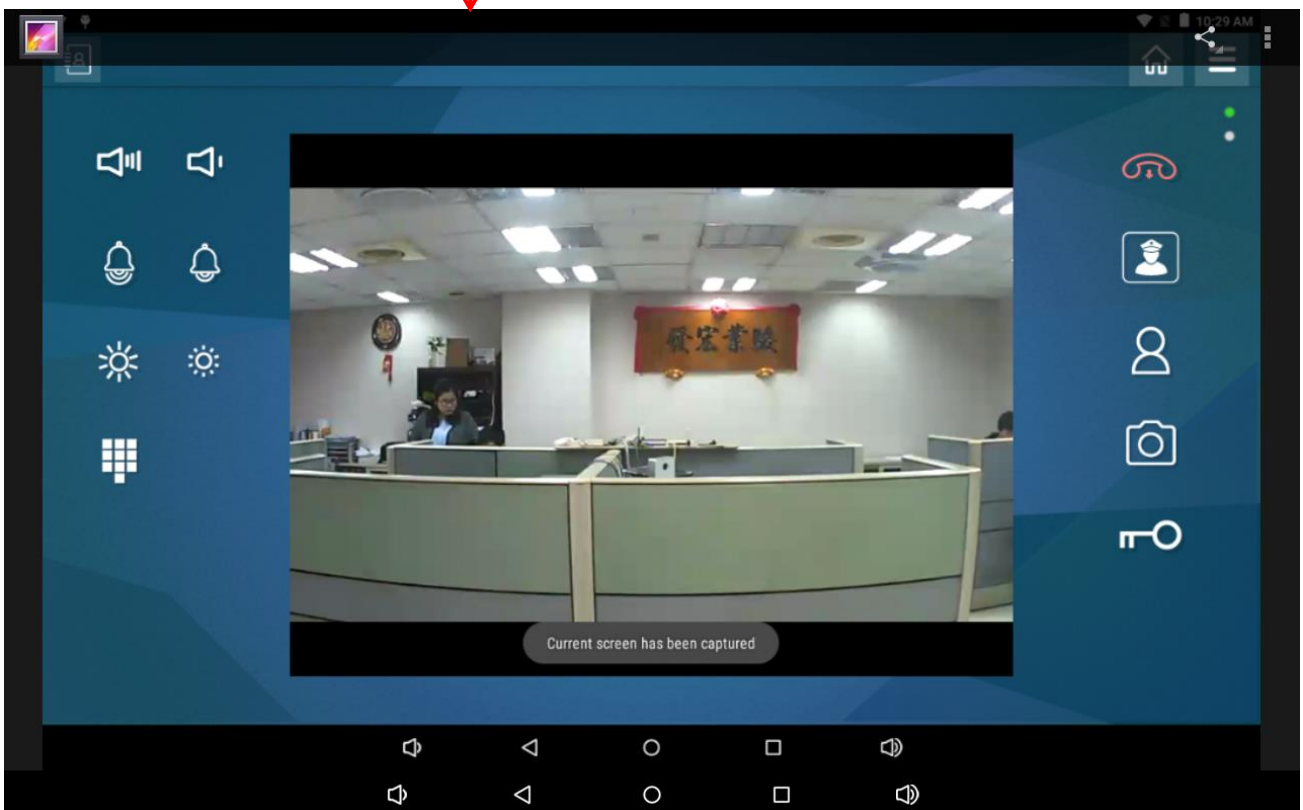


Step 3: Please click Explorer button and go to the NAND Flash screen.




Step 4: Now you can find the snapshot picture file on the screen.


Step 5: The snapshot picture displays on the screen now.

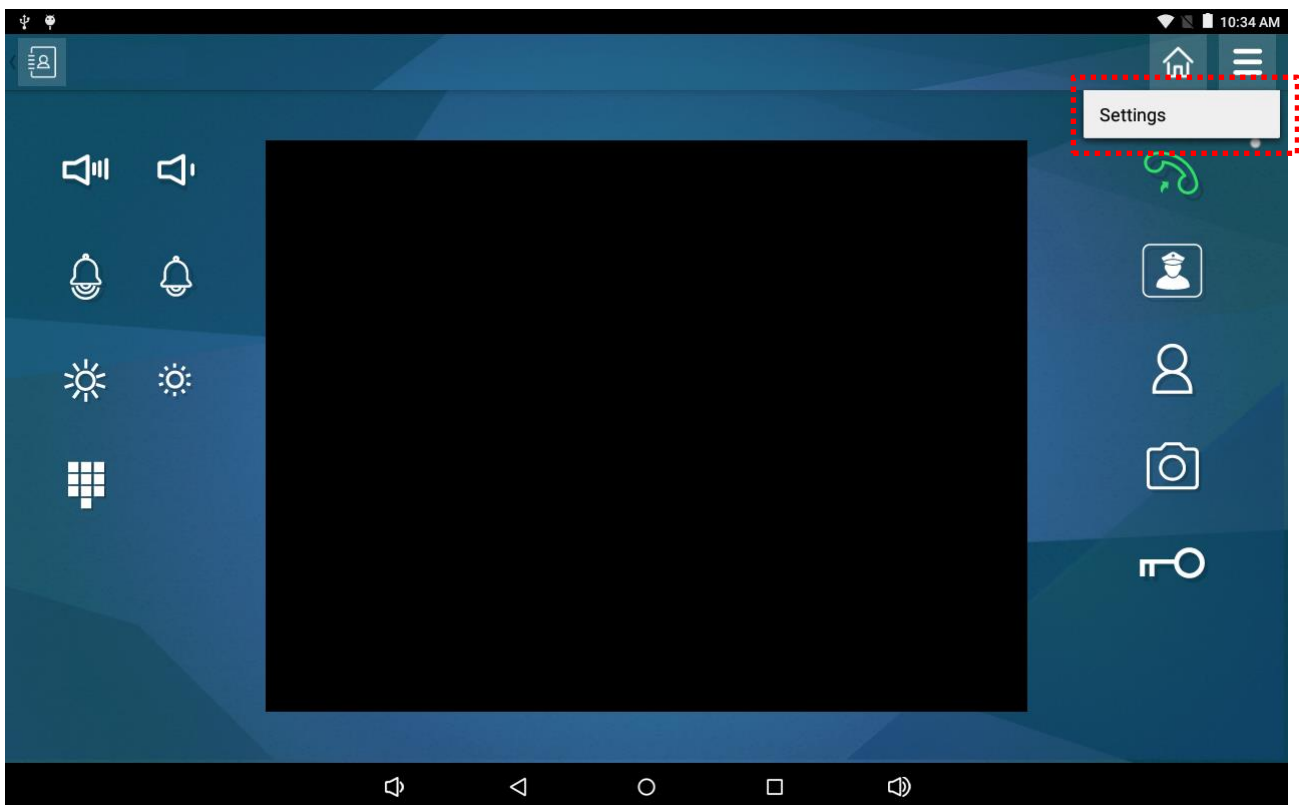


### 3.9 Key

You can open the door by pressing the “” button on the screen.

### 3.10 Settings

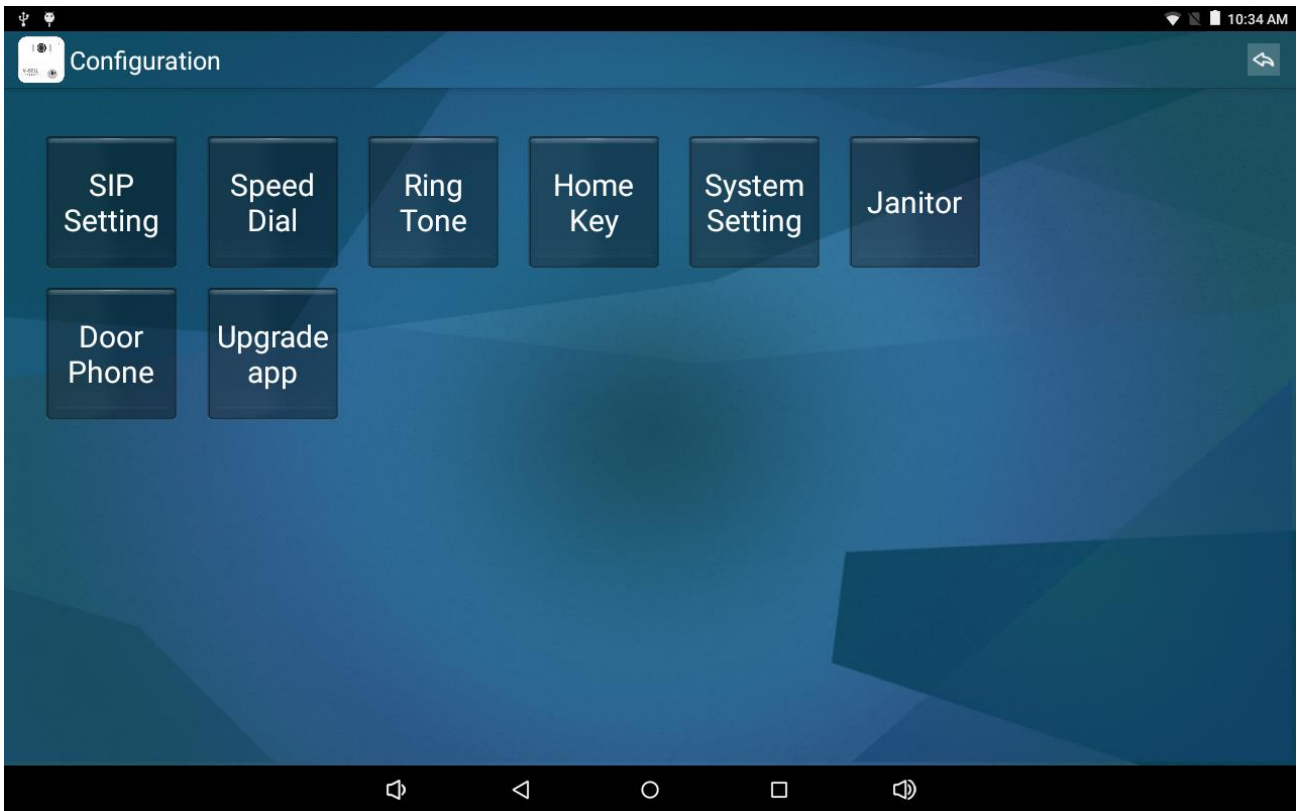
Click the button of “Settings”  on the home page. The square of settings will display on the screen. Please click the square of settings to enter the configuration page that shown as below.



Then you will see the configuration page that shown as below. There are eight function categories and displays detailed setting for each function as clicks. We will introduce each function late.

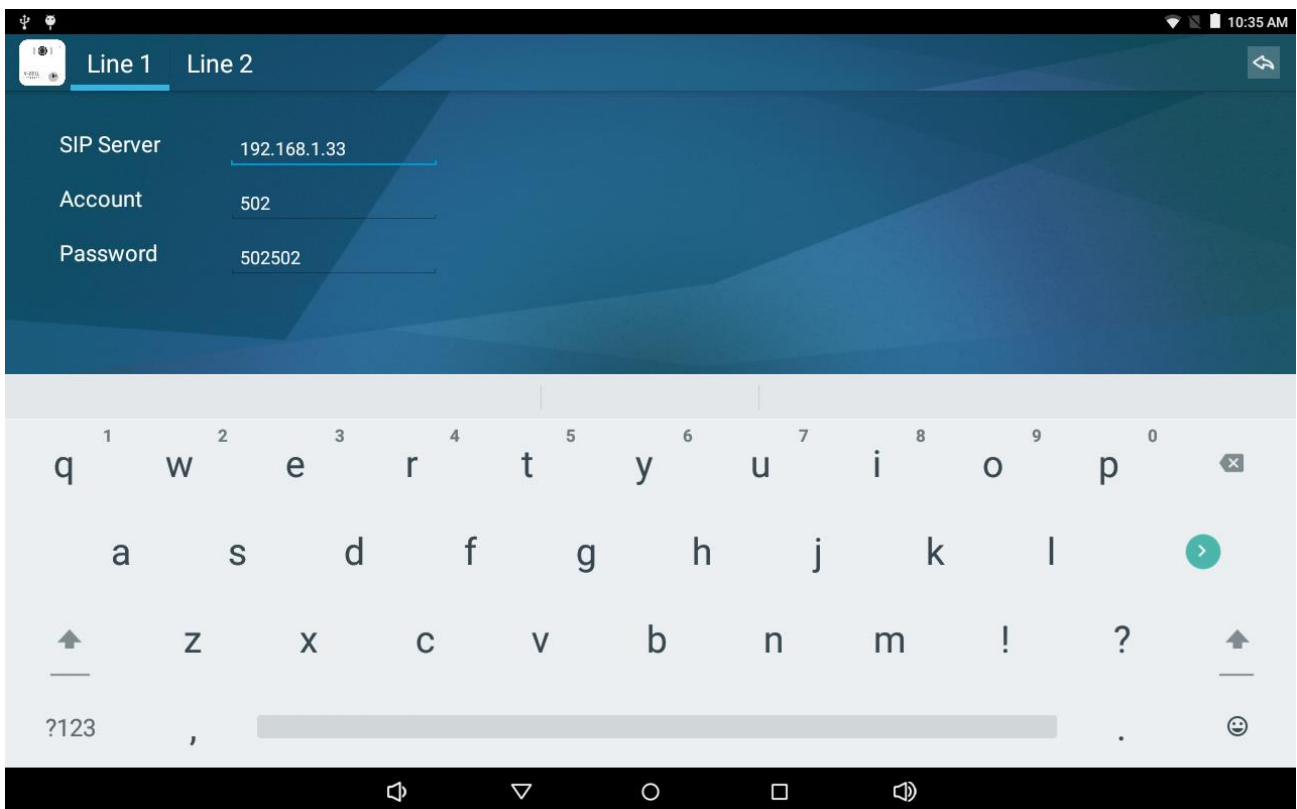


## Main screen of Settings



### 3.10.1 SIP Setting

Please click the square of SIP setting to enter the setting screen. You can define two different IP-PBXs as line 1 and line 2 that showed as follows. The keypad will appear to help you doing the key in work.



Step 1: Select line 1 or line 2 by clicking on the line number.

Step 2: Input the IP address of SIP server.

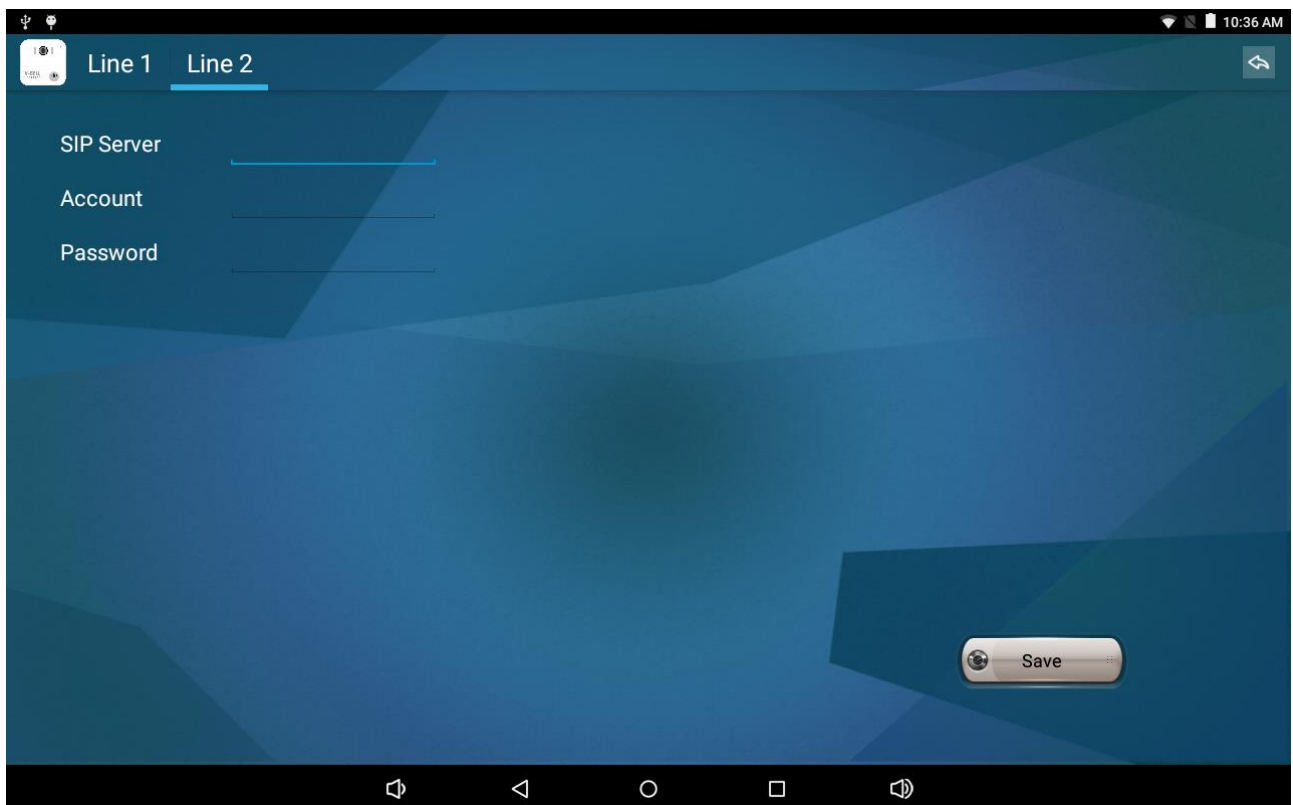
Step 3: Input account number.

Step 4: Input password.

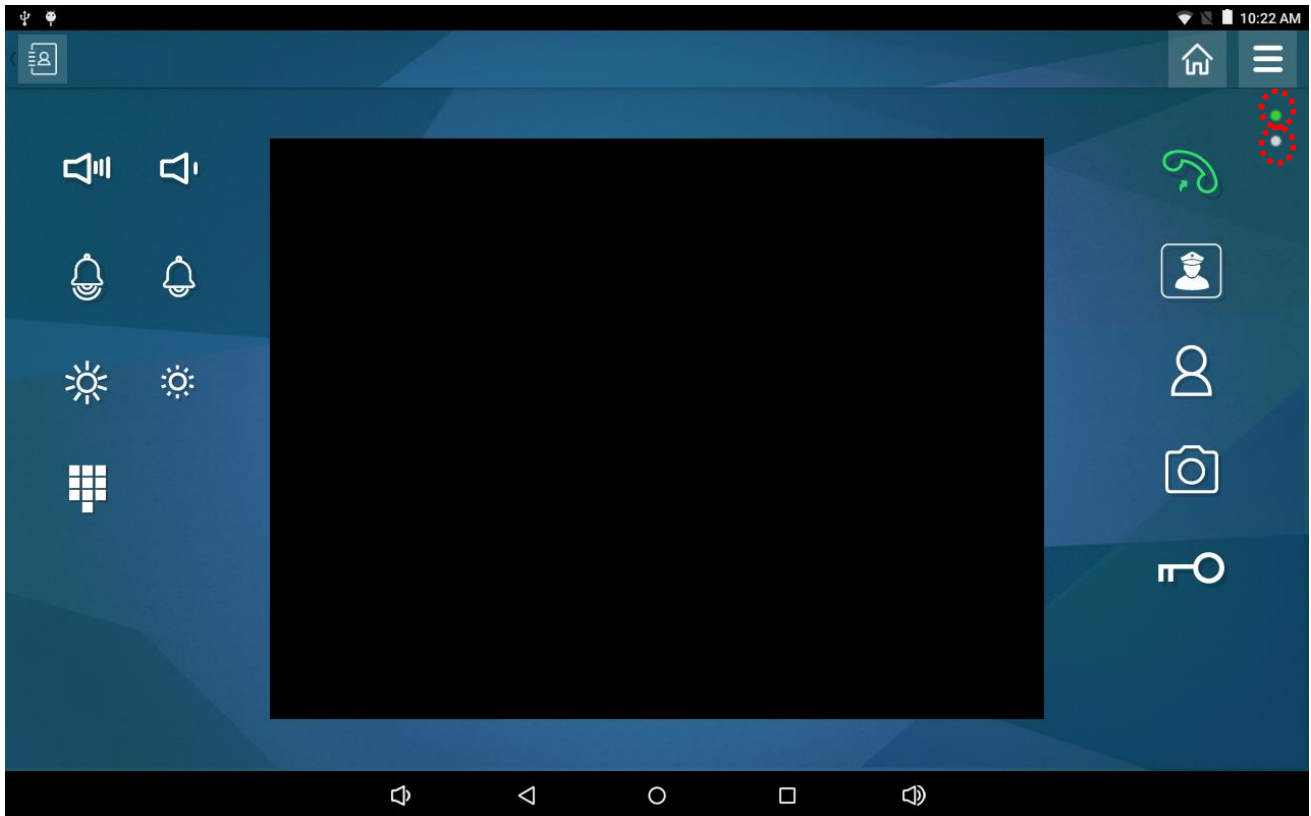
Step 5: Click on “Save” button at the end of the screen to save your configuration.



The SIP setting screen of line 2 shows as below.

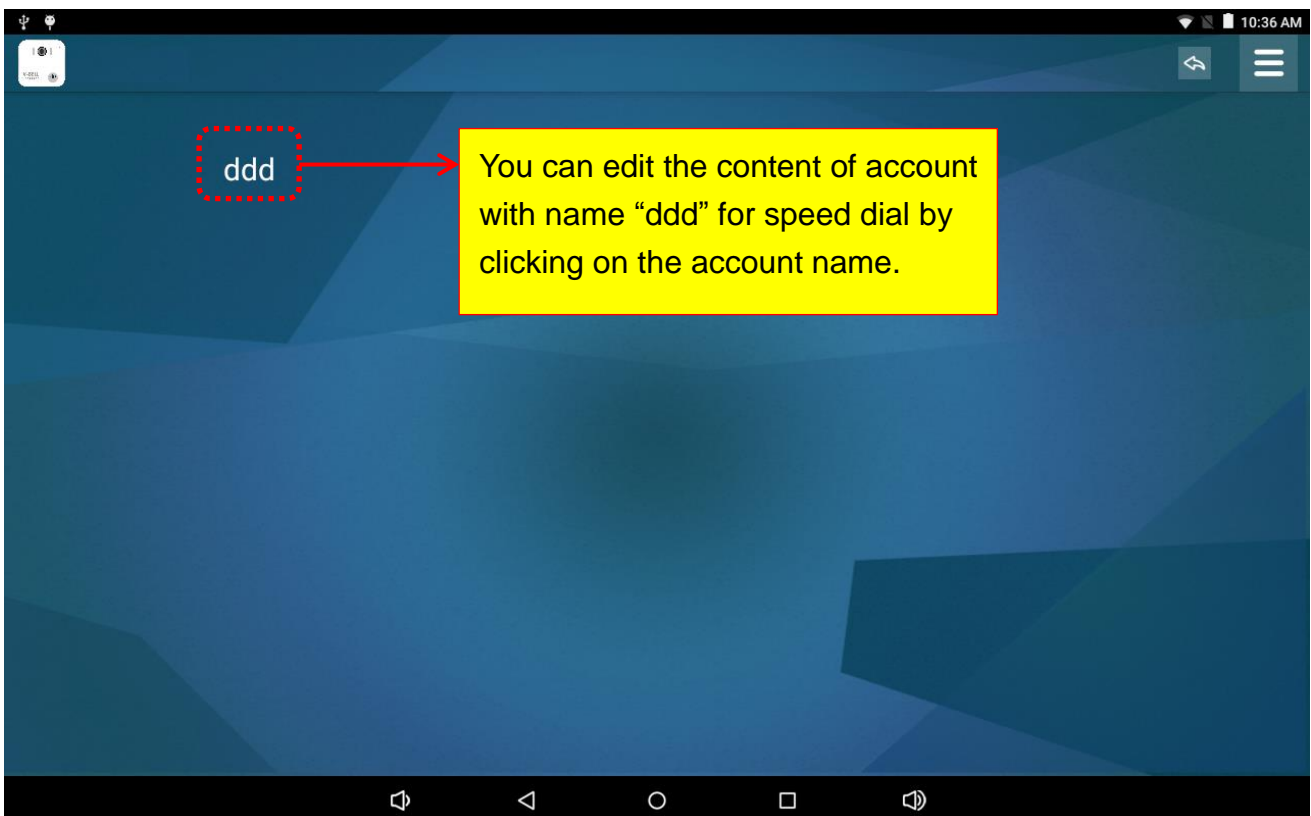


These two small circles on the right hand side of home page show the status of line 1 and line 2. Green color indicates a successful connection. Red color indicates connection failed. White color indicates no link.

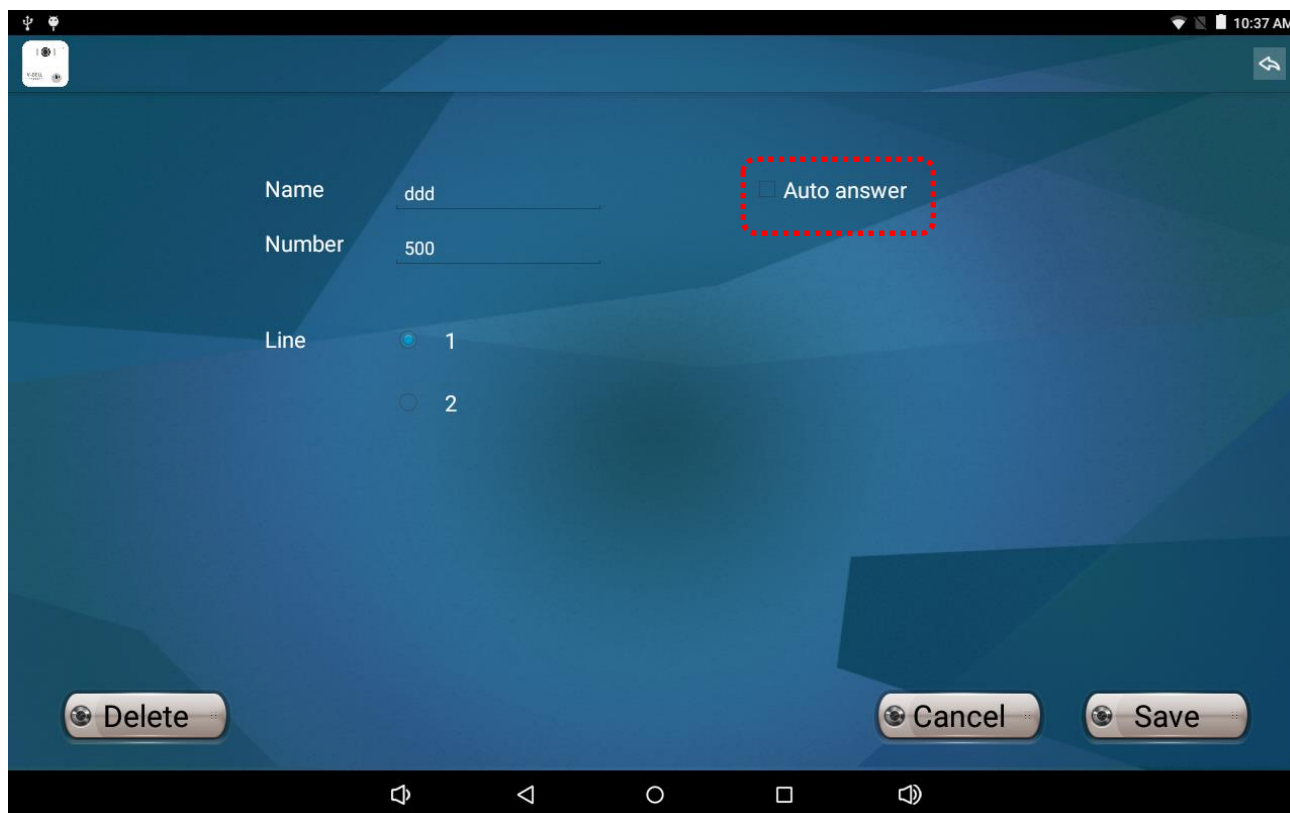


### 3.10.2 Speed Dial

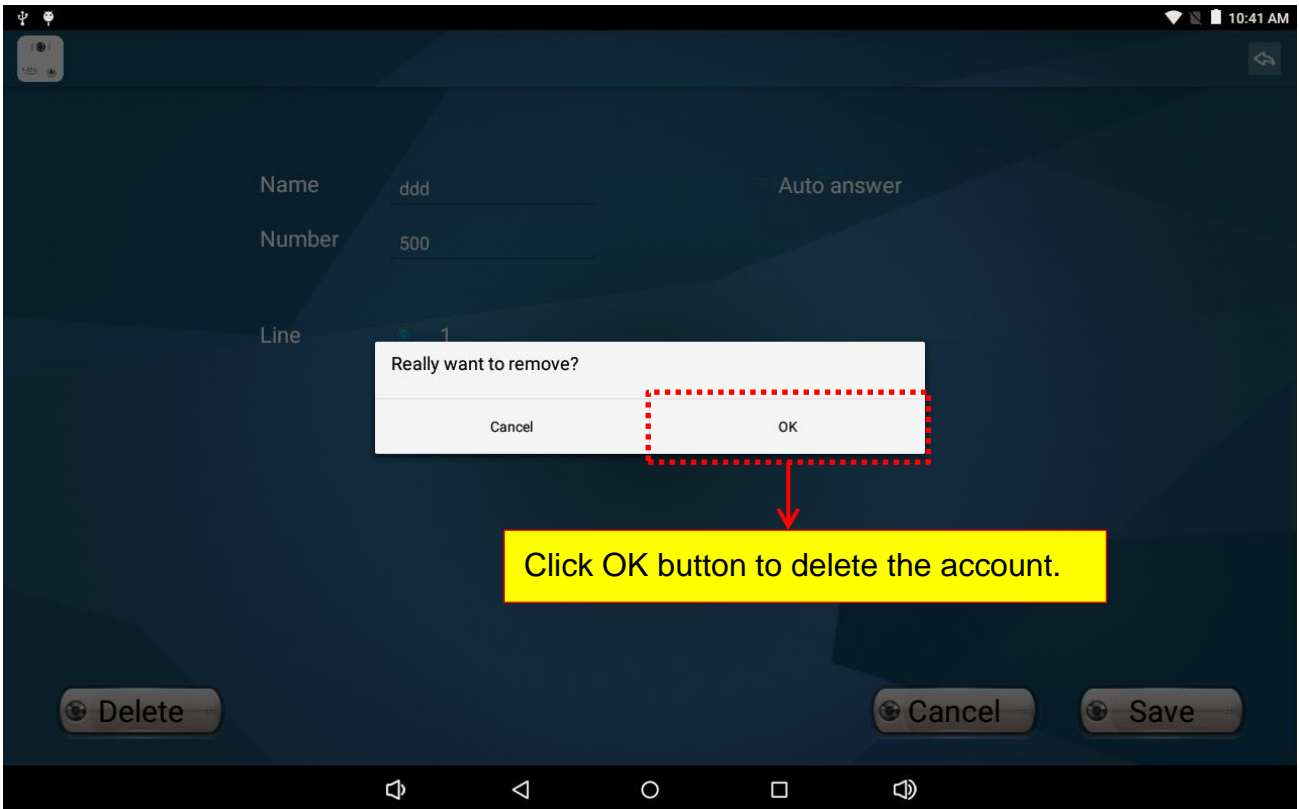
You can set up speed dial by clicking “Speed Dial” button on the screen that shown as below.




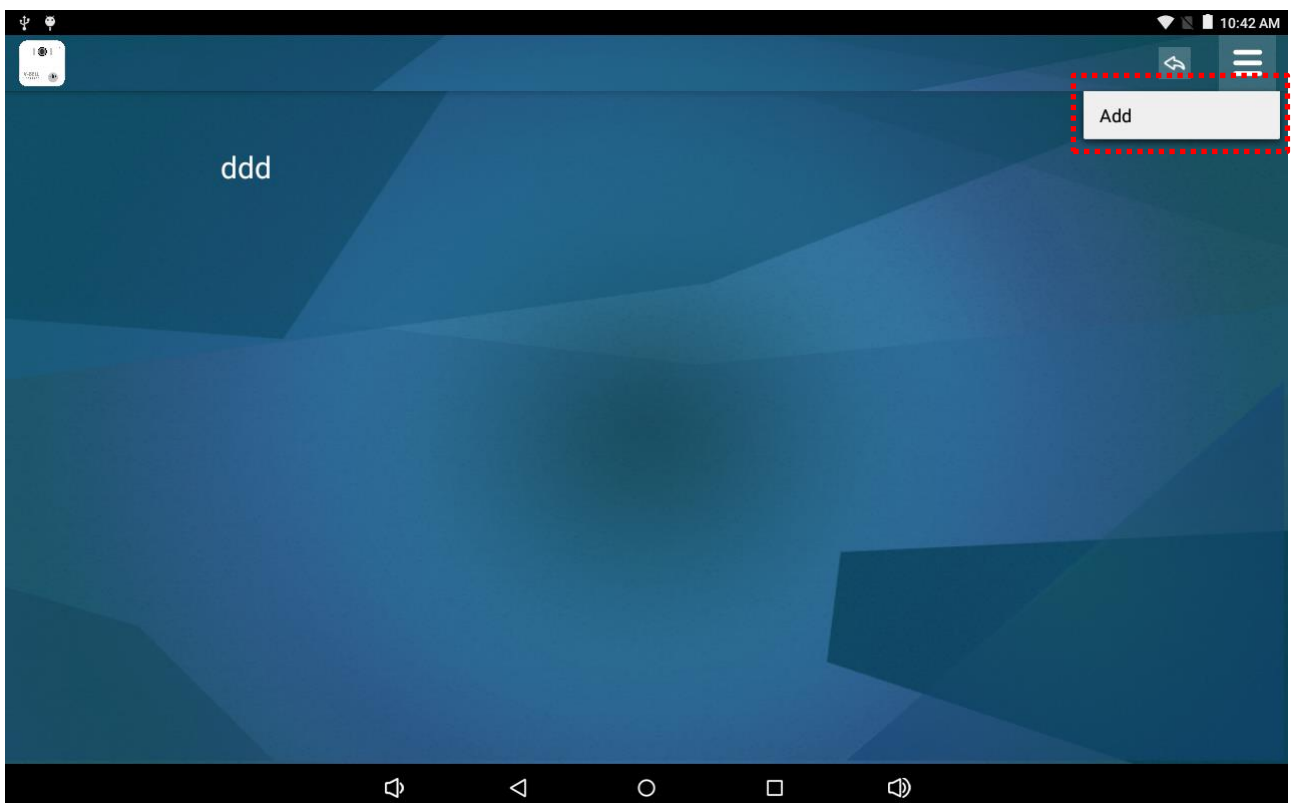
Then you will see the content of account with name “ddd”. You can edit or delete this account. If you click the check square of Auto answer, the auto answer will be enabled. When a call coming, you can preview the caller’s image then decide whether to answer the call. If your IP-PBX already supports preview function, you do NOT need to enable auto answer. When you have completed data entry, press the Save button on the screen to save your configuration.



If you would like to delete the account with name “ddd”, just press the Delete button on the screen. Then the screen will display as below.



You can also add an account for speed dial by clicking  icon that shown as below.



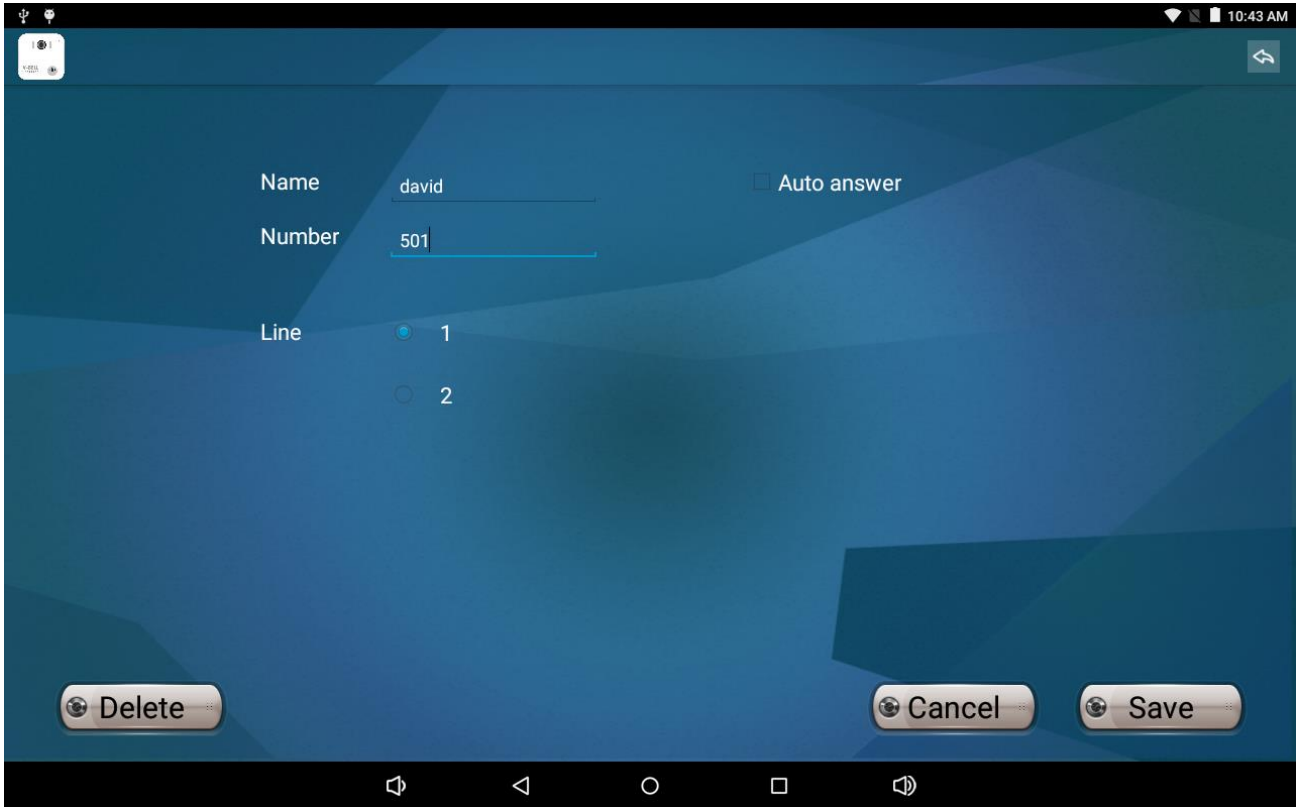
Step 1: Input account name.

Step 2: You can input SIP ID or IP address for Number.

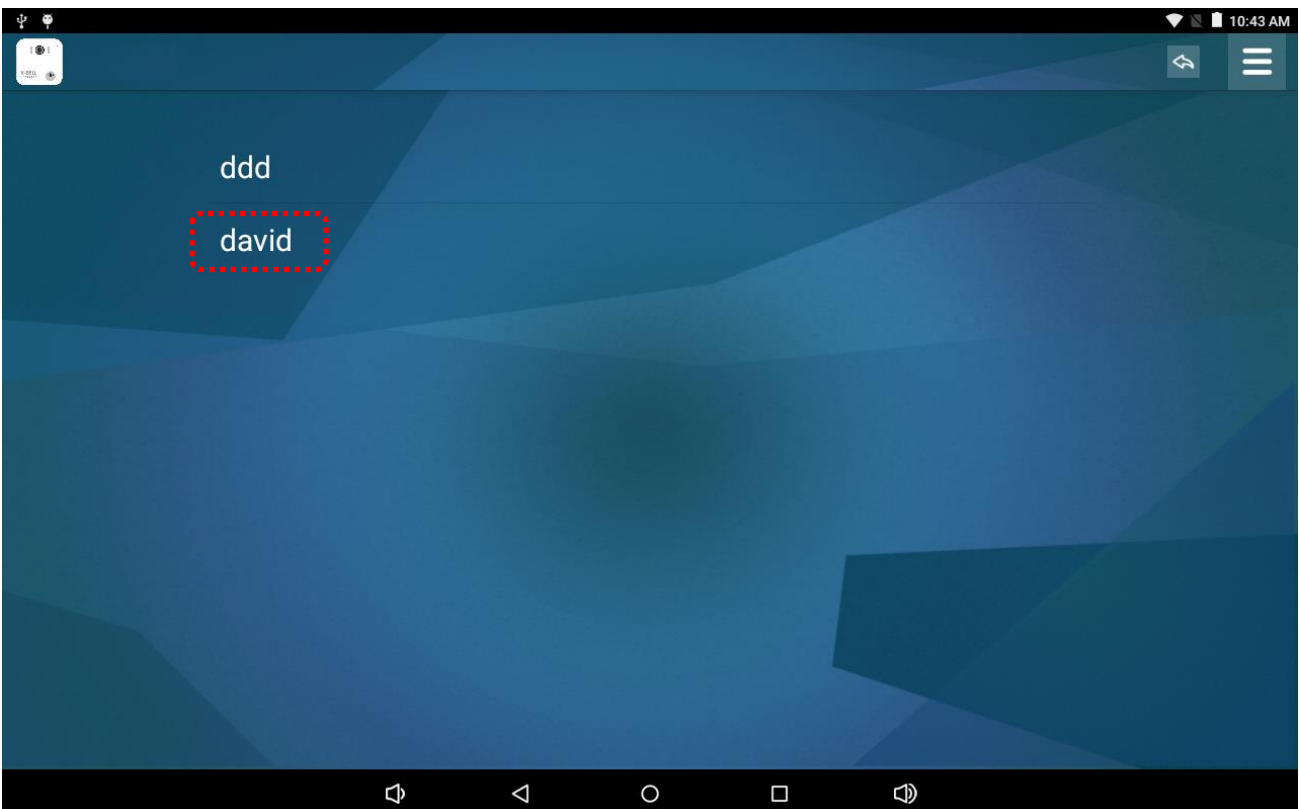
Step 3: Select line 1 or line 2.

Step 4: Enable Auto answer or disenable Auto answer.

Step 5: Click on “Save” button at the end of the screen to save your configuration.



Then you will see a new account with name David has added successfully.



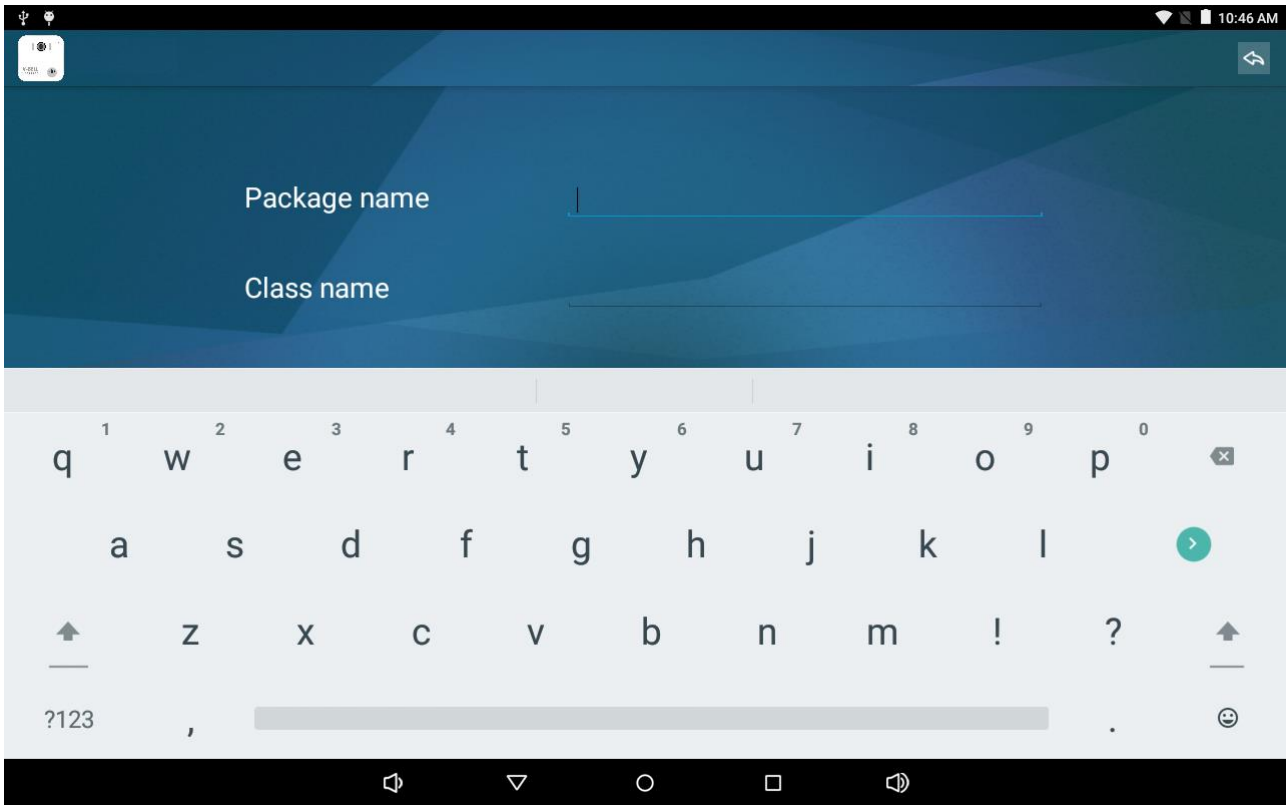
### 3.10.3 Ring Tone

You can set up ring tone by clicking “Ring Tone” button on the screen.

### 3.10.4 Home Key

You can set up home key by clicking “Home Key” button on the screen that shown as below. The keypad will appear to help you doing the key in work. Please input package name and class name. The home key helps you to go back to your original smart home system.

#### Settings → Home Key

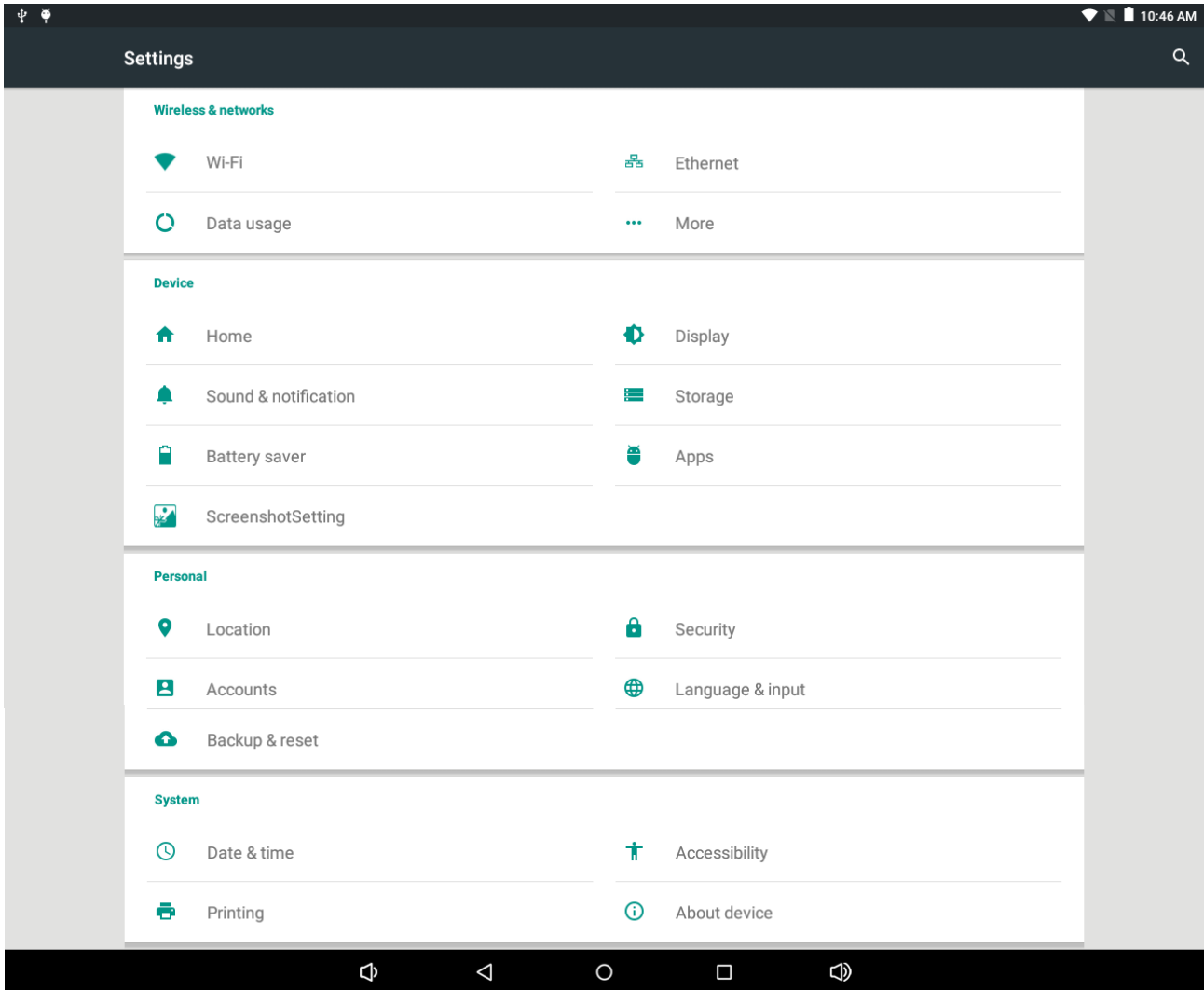




### 3.10.5 System Setting

You can do the system setting by clicking “System Setting” button on the screen. Then select which item you want to view or edit by clicking on the item name.

#### Settings → System Setting



### 3.10.6 Janitor

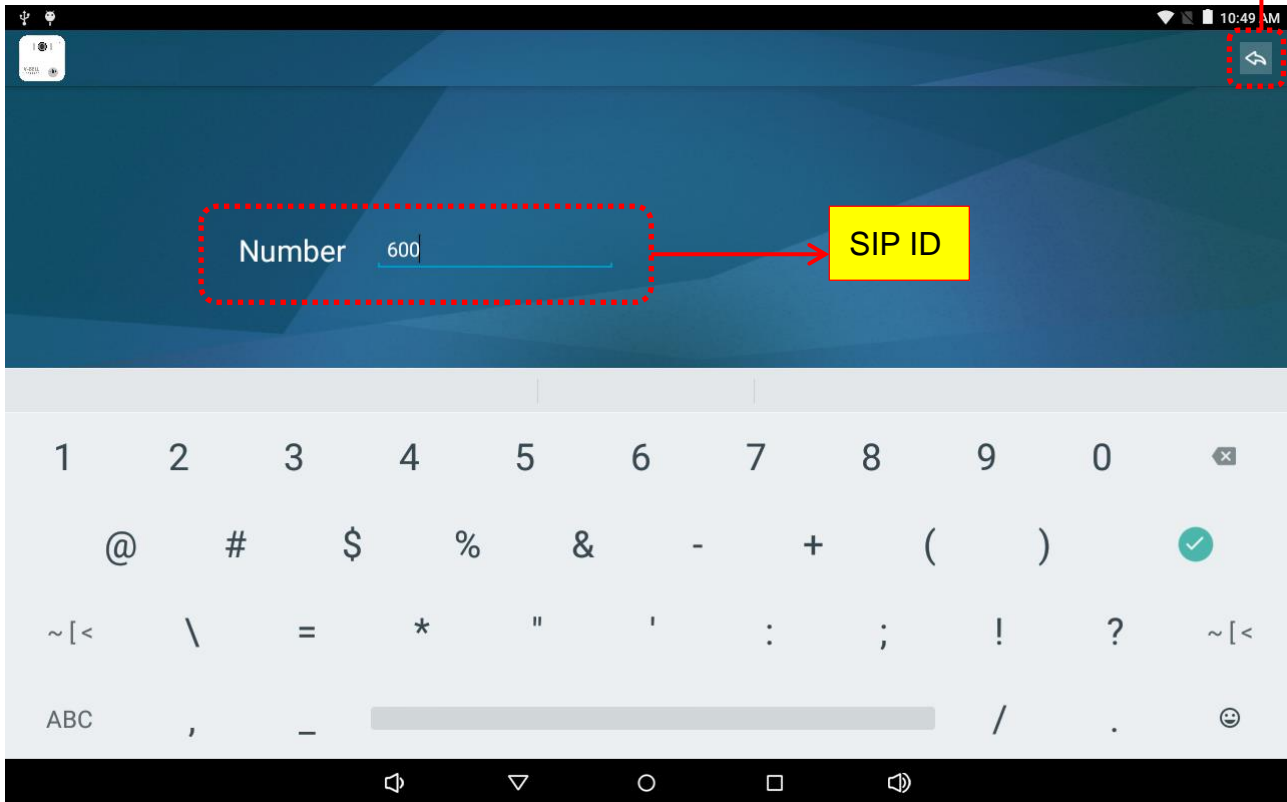
You need to input Number to connect to Janitor directly shown as below.

Step 1: input Number. You can input SIP ID or IP address here.

Step 2: Click on “Save” button to save the configuration.

Go back previous page

#### Settings → Janitor



#### Settings → Janitor



### 3.10.7 Door Phone

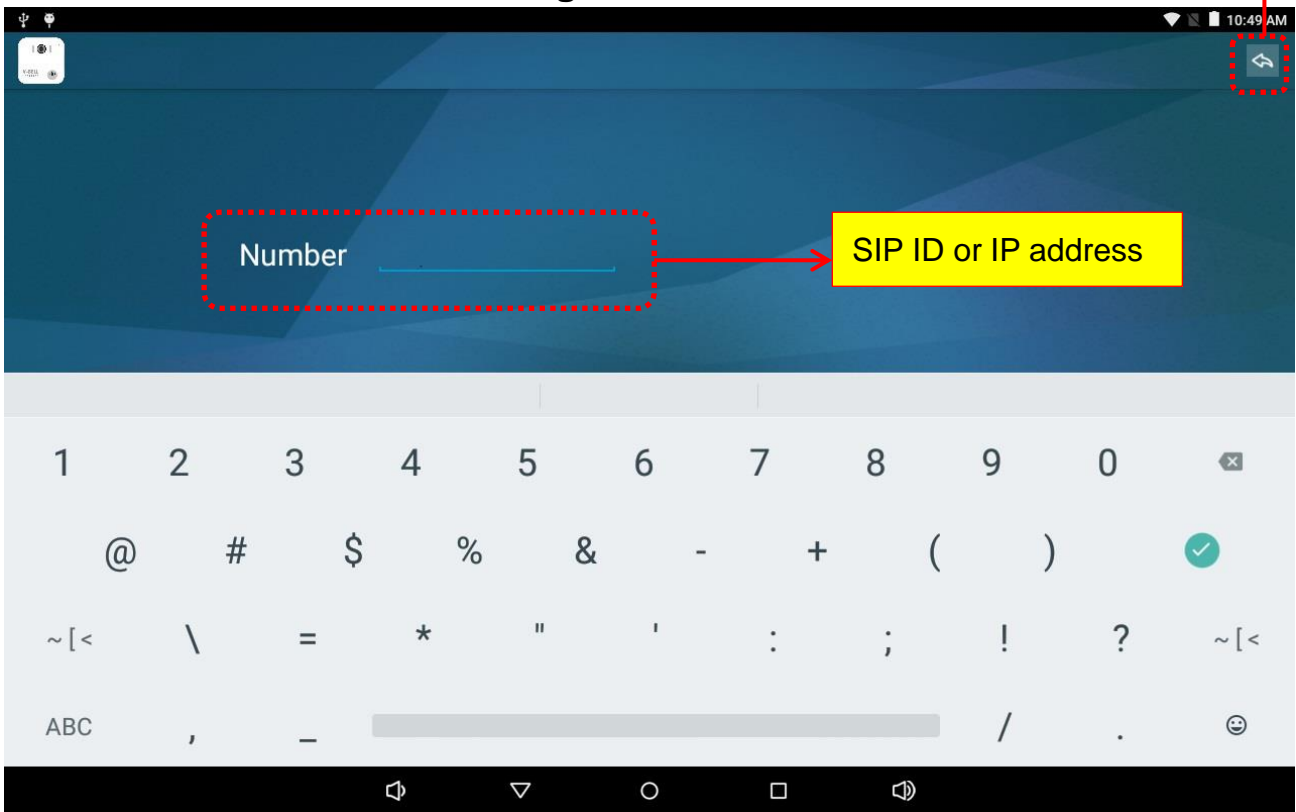
You can set up door phone by clicking “Door Phone” button on the screen that shown as below. The keypad will appear to help you doing the key in work.

Step 1: input Number. You can input SIP ID or IP address here.

Step 2: Click on “Save” button to save the configuration.

Go back previous page

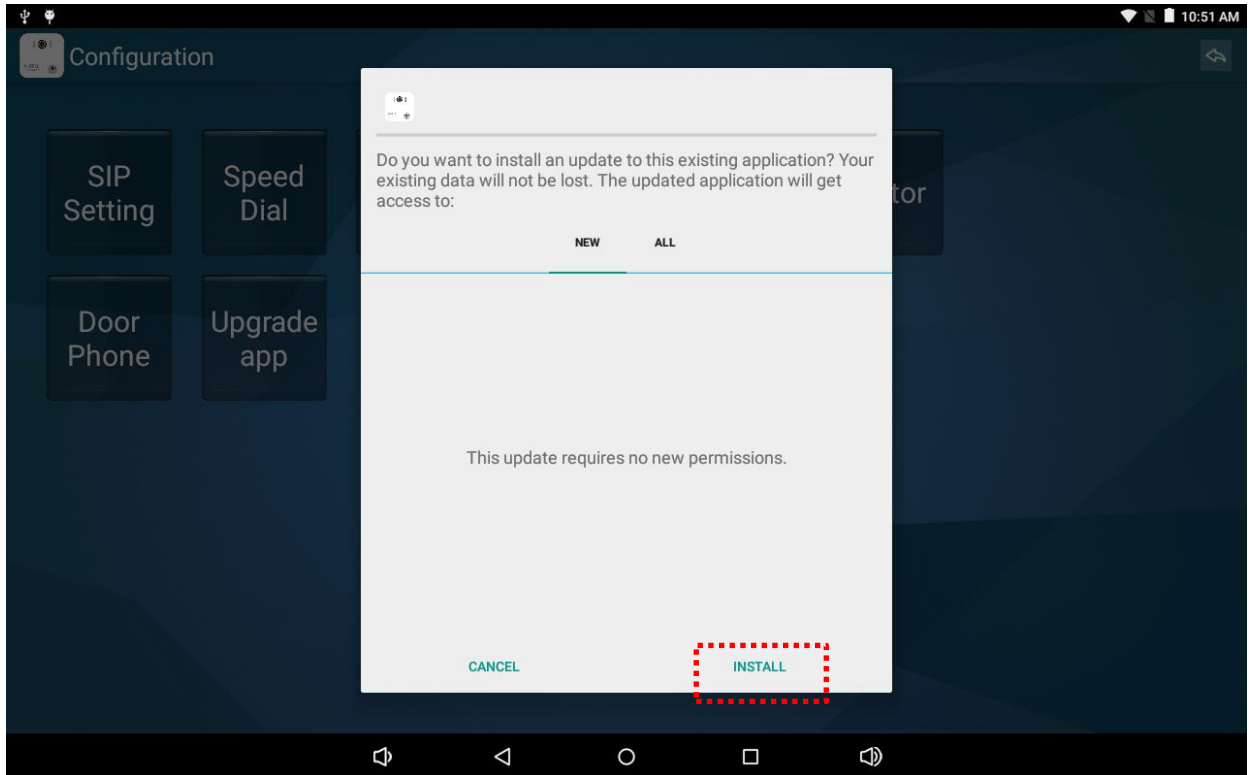
#### Settings → Door Phone



### 3.10.8 Upgrade app

You can upgrade app of CP-11 by clicking “Upgrade app” button on the screen. The character string of “Downloading package...” will display on the screen. Waiting for a while, you will see the screen that shown as below.

#### Settings→Upgrade app



You can click INSTALL button to install an update to this existing application or click CANCEL button to cancel the upgrade procedure.

