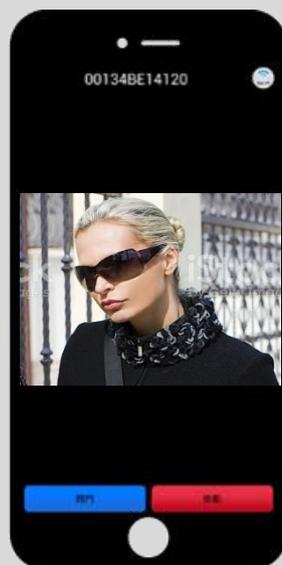




# VBell DP-104 IP Video Door Phone and APP

*Application Description*



## WELCOME

Congratulations on purchasing the VBell DP-104 SIP IP Video Door Phone. This door phone is suitable for all your business, and home, door entry communication needs.

The DP-104 SIP IP Video Door Phone is easily to setup and configuration via a web browser. Just using your smartphone or tablet, you can see, answer and talk to visitors who at your door and open door for them. Whether you are at home or abroad, you can watch and talk with visitors and open door remotely. Most burglaries happen during the day when no one is at home. With the VBell DP-104 SIP IP video door phone you can respond to visitors at anytime and anywhere. Now we provide a new choice of household intercom system for modern people.



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## Chapter 1 Introduction

The **DP-104 SIP IP Video Door Phone** is a new, elegant video door intercom with a compact shape that has an easy-to-install surface mount. It is development and manufacture by Avadesign Technology Co., Ltd. and designs with IoT technology and smart home applications. With the V-Bell IP video door phone, can run on the Internet and smartphone APP, we provide a new access control system and intercom cloud service which supporting both video and two-way voice intercom, and remote control to open the door.

If you want to identify who is at your door before you answer the phone or before letting them in, then the DP-104 IP video door phone is available with a built-in IP camera supporting up to 1280 x 720 HD video. This video can be viewed in a web browser and shows real-time video on a PC or on a mobile phone/tablet that supports iOS and Android.

Therefore, using your smartphone to talk with visitors who at your door. No indoor intercom is needed. When the visitor presses the "Call" button of the DP-104 IP video door phone, you can answer the visitor's call even if you are abroad. You can see the image of the visitor, talk to the visitor, and open the door for the visitor remotely. It is great for unattended lobbies, front doors, gates, warehouse doors, or anywhere visitors may require assistance. And whether you are at home or not, using your smartphone can remote 24-hour monitor your door image at anytime and anywhere. Now we provide a new choice of household intercom system for modern people.

### 1.1 DP-104 SIP IP Video Door Phone Features

Avadesign Technology combined with innovative technology and exclusive design, so VBell DP-104 SIP IP video door phone for all users with the following characteristics:

- ✓ **Easy to install**  
Mount in minutes. No professional help or special tools required.
- ✓ **Convenience for any age visitors**  
The VBell DP-104 SIP video door phone allows entry with the simple press of a "CALL" button It is simple and convenience for both young and old visitors.
- ✓ **High tech makes life easier**  
With VBell DP-104 SIP IP video door phone you will not miss any more deliveries – because you will be informed right away when the postman rings.
- ✓ **Reliable security guards**  
Do not compromise on safety. Most burglaries happen during the day when no one is at

home. With the VBell DP-104 SIP IP video door phone you can respond to visitors at anytime and anywhere.

- ✓ **Can be combined with the IP Phone as a tool of open door**  
When the IP video door phone is dialed into the IP-PBX, it rings to the specified IP phone extension, and the caller opens the door by pressing the key.
- ✓ **COMS 1280 x 720 HD Camera Sensor and 112 degrees Wide Range Video View angle**  
The DP-104 SIP IP video door phone is a built-in IP camera supporting up to 1280 x 720 high density resolution video. It provides much better image than VGA/D1 (640x480) door phones. Especially when displayed on middle-to-large size screens, DP-104 shows clearer images and have no image delays.
- ✓ **Build-in One Relay output port (control door lock or alarm)**  
The DP-104 SIP IP video door phone build-in one relay output can control the door lock or connect to an alarm.
- ✓ **Build-in One DI port ( for Door sensor, PIR, Emergency button)**  
The DP-104 SIP IP video door phone build-in one DI can connect to a door/window sensor or an emergency button. It can also connect to an infrared sensor for door intercom application or call help in an emergency situation.
- ✓ **Build-in RFID MiFare Card Reader (Optional)**  
User can access to the door by Mifare card.
- ✓ **Build-in Power over Ethernet (PoE)(IEEE802.3af ) (optional)**  
The power of DP-104 SIP IP video door phone is supply by PoE. No external power adapter is needed.

## 1.2 VBell APP Features

As the Internet era and the use of smartphone is very popular in the world. Especially the rise of smart home, today's people urgent need a new access control management system that able to run on the Internet, providing cloud intercom, and with more audio and video services. In response to this new trend, Avadesign Technology provides smartphone intercom APP and cloud service to meet the needs of the public.

VBell intercom APP for smartphone/tablet has the following features:

- ✓ **It is as simple as that**  
You can see your visitors, speak with them and open the door by smartphone or tablet –

from anywhere in the world.

✓ **Support iOS & Android**

The VBell App is available on Android and iOS smartphones and tablets.

✓ **Suitable for elderly & children**

When people use the intercom the most important thing is to know who is in front of your door. Just one finger touch the screen of smartphone then you can see the visitor image. VBell IP door phone and APP combines convenience and security - at any age.

✓ **Free monthly charge**

Download and use the VBell APP is free charge.

✓ **Can be shared and used with family members**

You can share your DP-104 SIP IP video door phone with your family via the VBell Smartphone / Tablet VBell APP function. You can also cancel the sharing function at any time.



### 1.3 How it works?

Remove your existing doorbell. You will then see at least two wires in your wall. Ignore it. Connect power adapter to the DP-104 SIP IP Video Door Phone that not build-in PoE to power it and mount it near to your door. Connect the DP-104 to your Internet router using Ethernet cable. Done! You will now receive instant alerts with sound on your smartphone or tablet if someone pushes the call button of DP-104 Door Phone, you can see and talk with your visitor in real-time.

You can also use your smart phone to remote monitoring the activities at your door.



## Chapter 2 How to Install

The V-Bell DP-104 SIP IP Video Door Phone requires minimal configuration for a typical installation.

### 2.1 DP-104 Door Phone Installation

#### 2.1.1 Open carton

Open the carton and take out the DP-104 SIP IP Video Door Phone. Your package should include:

- One DP-104 SIP IP Video Door Phone
- One Roof for surface-mounted
- One Panel for surface-mounted
- One DI/DO cable
- One connector
- Three screws
- One Quick Installation Guide



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

#### 2.1.2 What else you need ?

- One external power adapter: OUTPUT: DC 12V 1.0A
- One RJ-45 cable



**p.s.** You also can buy the power adapter from Avadesign Technology Co., Ltd. This is an optional item.

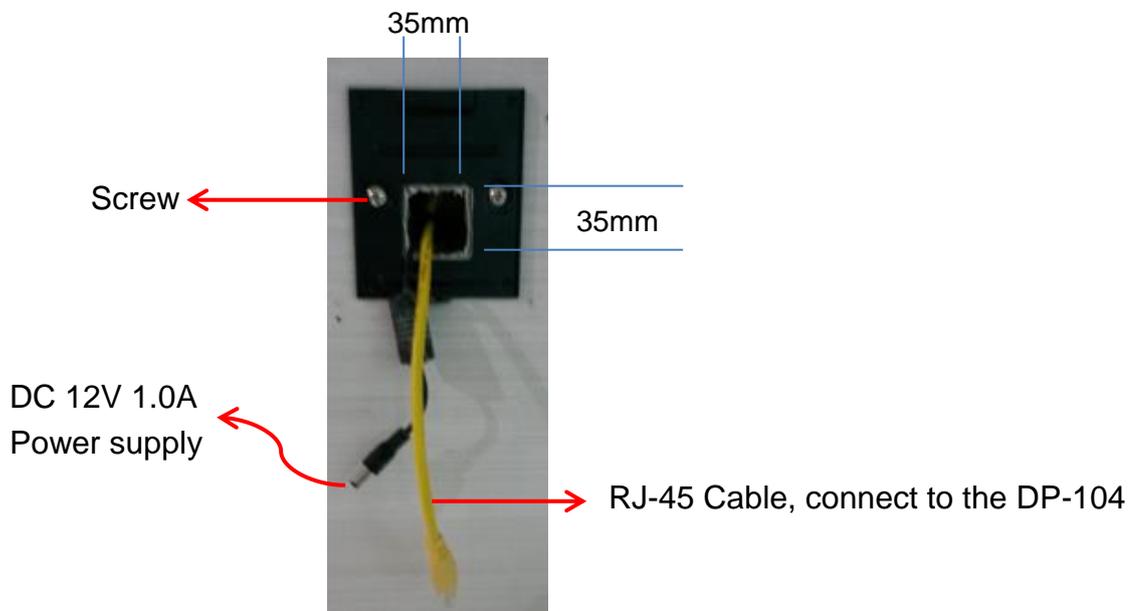
#### 2.1.3 Remove two stickers

There are two layers of transparent stickers on the surface of DP-104 SIP IP video door phone. For the voice quality and pressing the “CALL” button  smoothly, please remove the first layer of sticker at first. Then remove the second layer of sticker that shown as .below.



#### 2.1.4 Wiring and mounting on the wall:

- Select a location, Surface-mount the DP-104 IP Video Door Phone at desired location.
- Feed the Ethernet cable through the cable square hole which dimensions 35 x 35mm shown as below:



- Fix the DP-104 IP video door phone on the wall using a roof or a panel and two screws as shown the diagrams below:



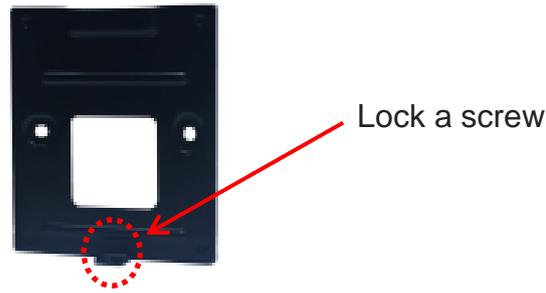
or



Fig. 1 Mounting on the wall with Roof

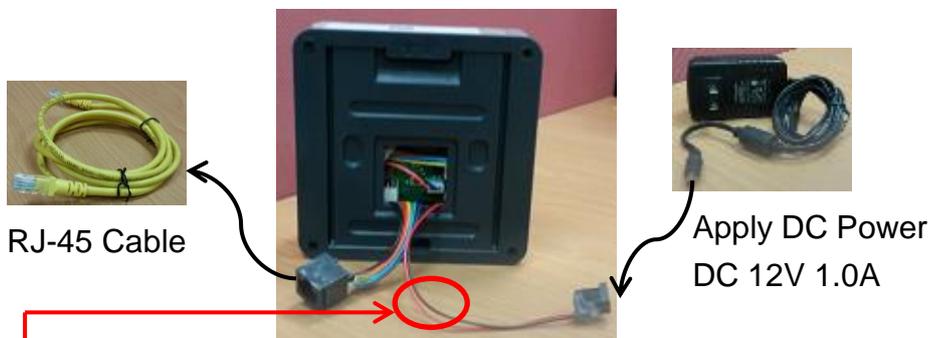
Fig. 2 Mounting on the wall with Panel

You can fix the DP-104 IP video door phone on the roof/panel with a screw.



### 2.1.5 Plug in

Connect RJ-45 cable and power supply to the DP-104 SIP IP video door phone. Then plug into an available outlet.



The polar of power line:  
**Red** line is for positive (+)  
**Black** line is for negative (-)

#### The VBell service

The VBell Service is the cloud service and free charge that provided by Avadesign Technology for the DP-104 SIP IP Video Door Phone application.

### 2.1.6 Access VBell service

The DP-104 SIP IP Video Door Phone will access the VBell service directly and start to work automatically.

Now, you can test the DP-104. The DP-104 SIP IP Video Door Phone allows entry with pressing a key. Caller at the front door and press “CALL” button  , person inside the building can talk to callers, look at caller, then open the door.



## 2.2 VBell APP Installation and Instructions for use

Next, learn how to install VBell APP on your smartphone / tablet to provide you the intercom cloud service.

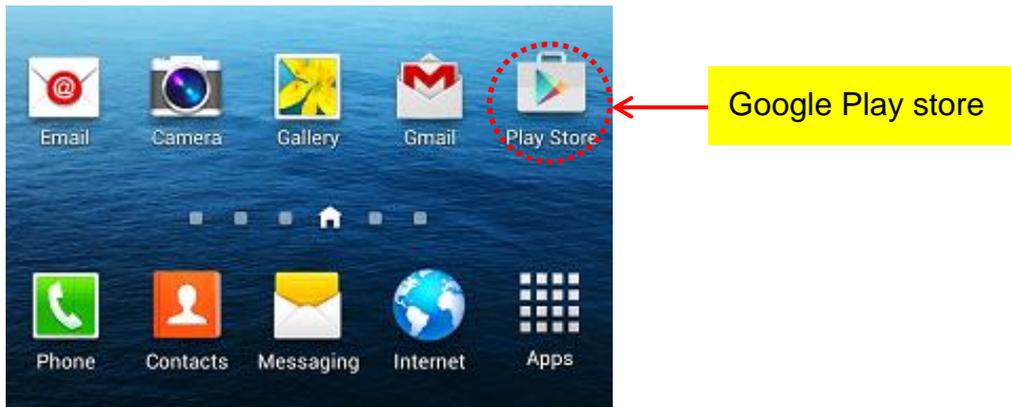
### 2.2.1 How to Download

You can find Apple Store  or Google Play Store  on the screen of your smartphone / tablet. Please download "VBell" APP form Apple store or Google Play Store.

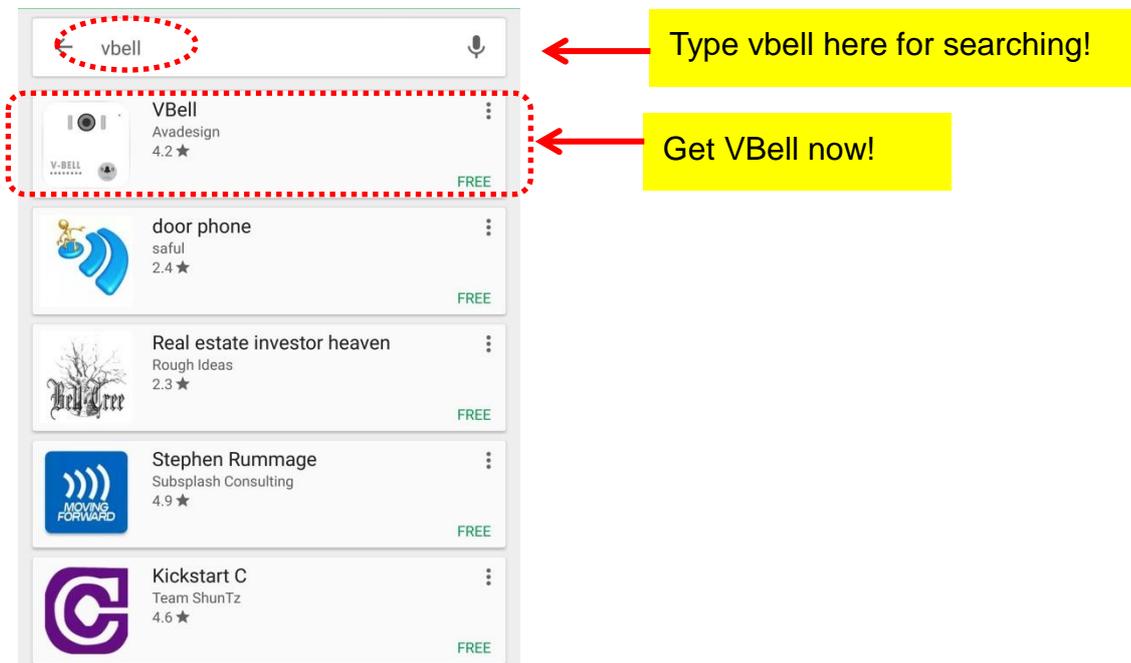
Please confirm your operating system version of your smartphone / tablet before downloading. We recommend iOS version 9.0 and above, Android version 5.0 and above.

#### 2.2.1.1 Android Smartphone/ Tablet Download Method

You can find Google Play Store on the screen of your smartphone / tablet.

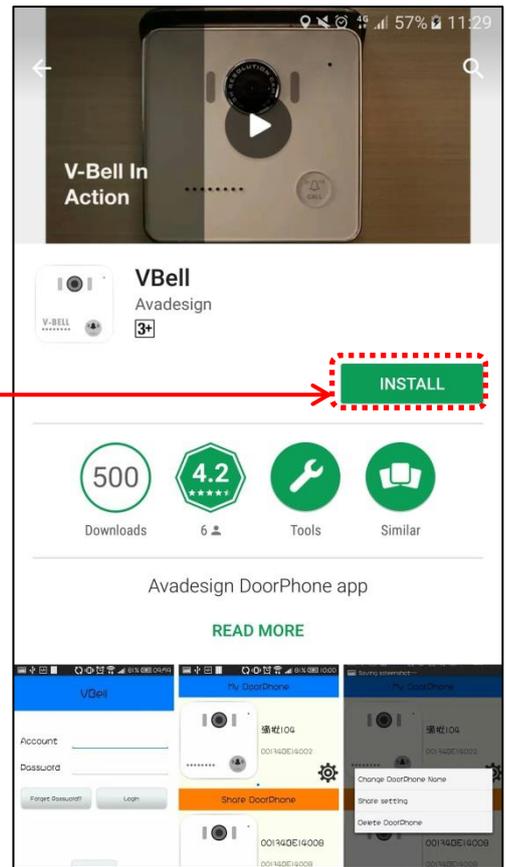


At first, click "Play Store" icon then please search for "vbell" on following screen.

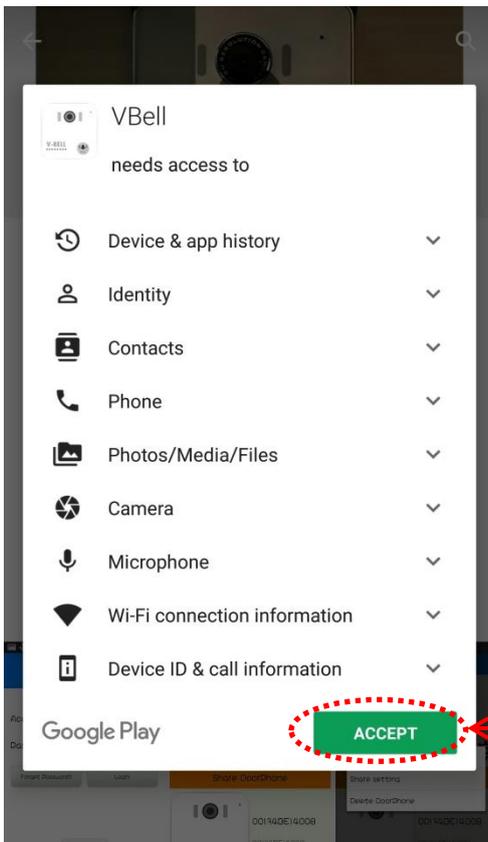


Then you can install “VBell” on your smartphone.

Step 1: Please click “INSTALL” button on the screen of your smartphone.

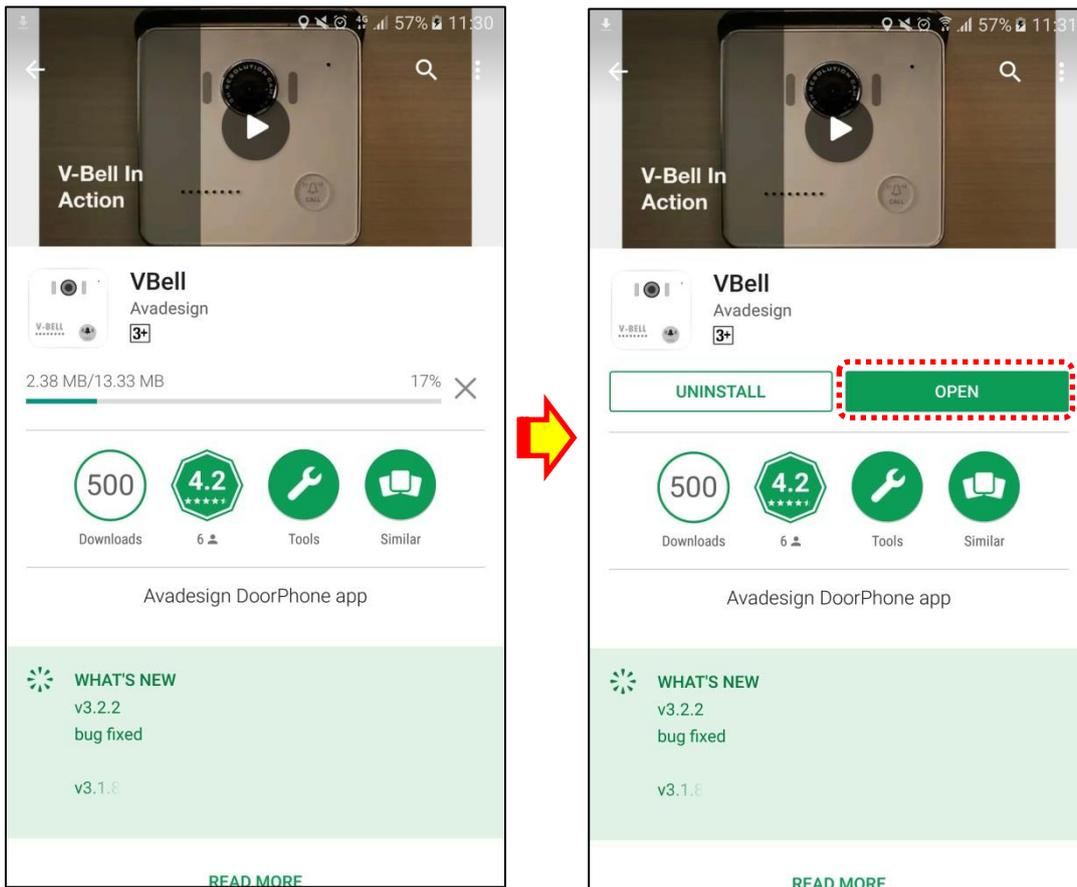


The screen will show as below:



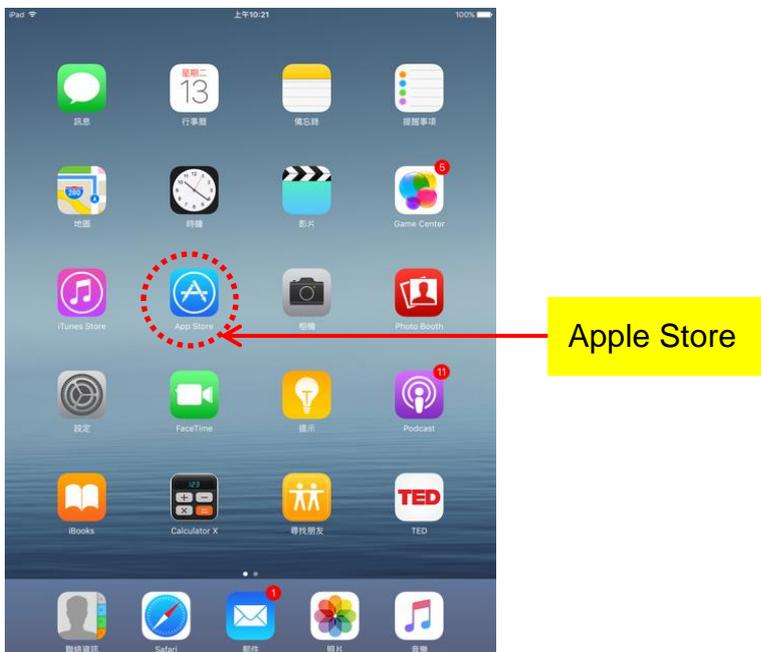
Step 2: Please click “ACCEPT” button on the screen of your smartphone.

Please wait a minute for the VBell app file download. The size of VBell app file is 13.33MB. The screen of your smartphone will show the percentage of downloading. When the download has completed, you will see the screen as below.



### 2.2.1.2 iOS Smartphone/ Tablet Download Method

You can find Apple Store on the screen of your smartphone / tablet.

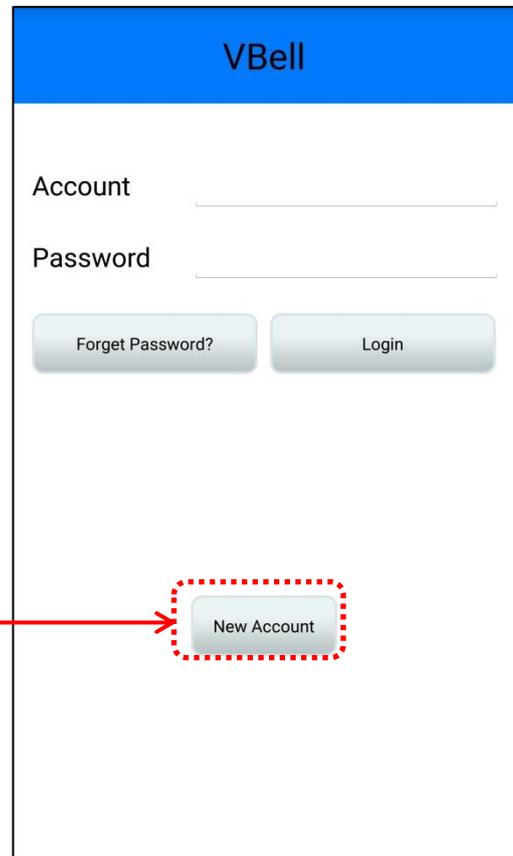


At first, click “Apple Store” icon then please search for “vbell”. Found VBell now! Then please click “INSTALL” button on the screen of your smartphone. As described in Section 2.2.1.1 above.

Please wait a minute for the VBell app file download. The size of VBell app file is 19.7MB. The screen of your smartphone will show the percentage of downloading. When the download has completed, please click “OPEN” button on the screen of your smartphone to create VBell application.

### 2.2.2 How to apply for a new account

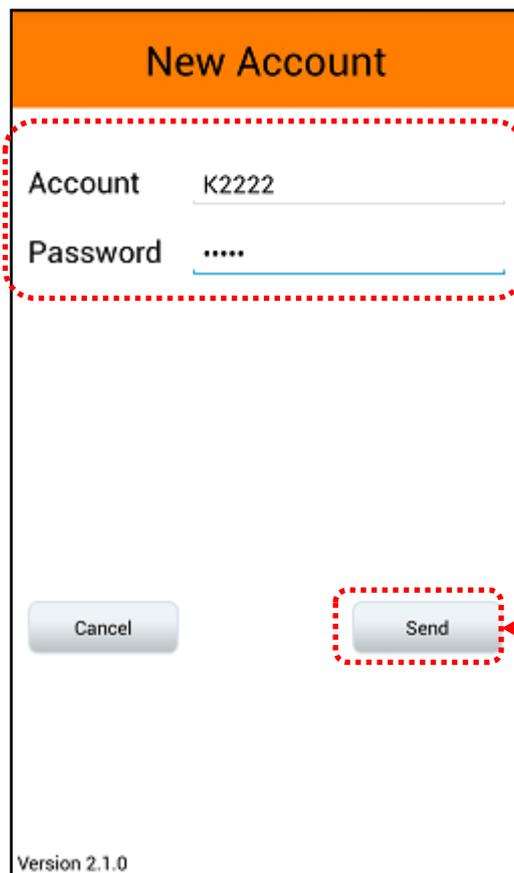
Now you will see the VBell page as follows. Please click “New Account” button to create a new account with free cloud service.



The image shows the VBell app interface. At the top is a blue header with the text "VBell". Below the header are two input fields: "Account" and "Password". Underneath these fields are two buttons: "Forget Password?" and "Login". At the bottom of the screen, there is a button labeled "New Account". A red dashed box highlights the "New Account" button, and a red arrow points from a yellow callout box to it.

Step 4: Create a new account

Please input your account name and password without restriction.



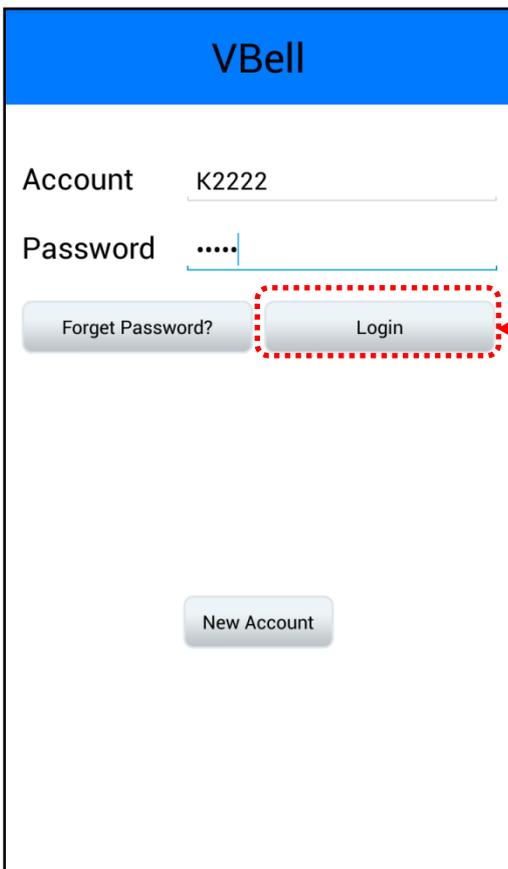
The image shows the "New Account" form. The title "New Account" is at the top in an orange header. Below the header are two input fields: "Account" with the text "K2222" and "Password" with four dots. At the bottom of the form are two buttons: "Cancel" and "Send". A red dashed box highlights the "Account" and "Password" input fields, and another red dashed box highlights the "Send" button. Red arrows point from yellow callout boxes to these elements.

Step 5: Input your account name and password

Step 6: When you have finished the input work, please click on “Send” button.



Step 7: Then you will see the success message of a new account registration on the screen. And click "Ok" button here.



Step 8: Then you will return to "VBell" page again and click "Login" button on the screen.



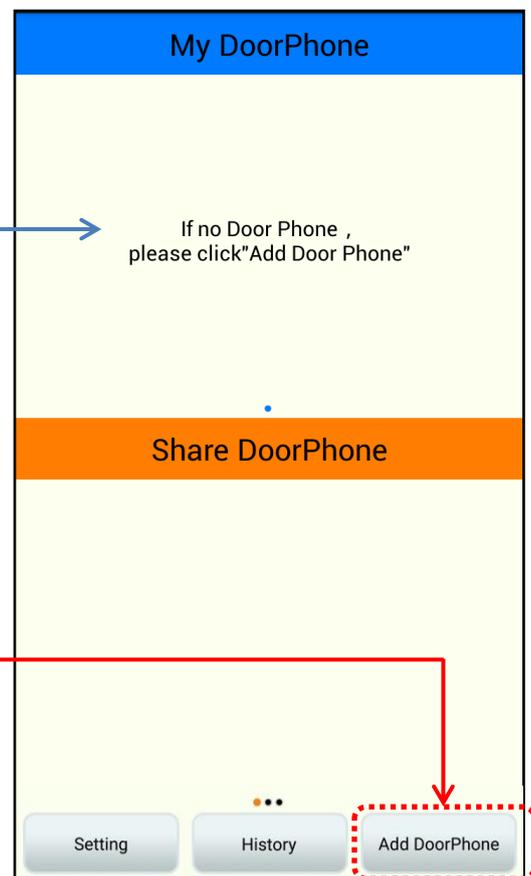
← After sign in, you will see this tuition page.

Step 9: Please click "I know" button to skip this page.

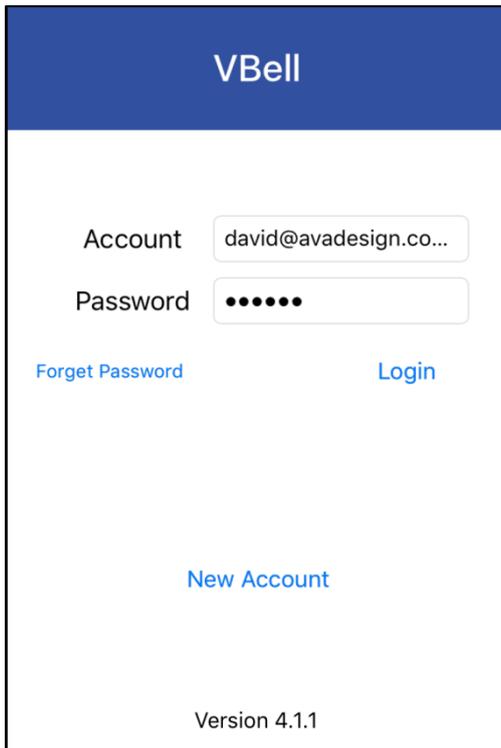
Then you will see the screen was shown at right side:

No any door phone shows on the screen now.

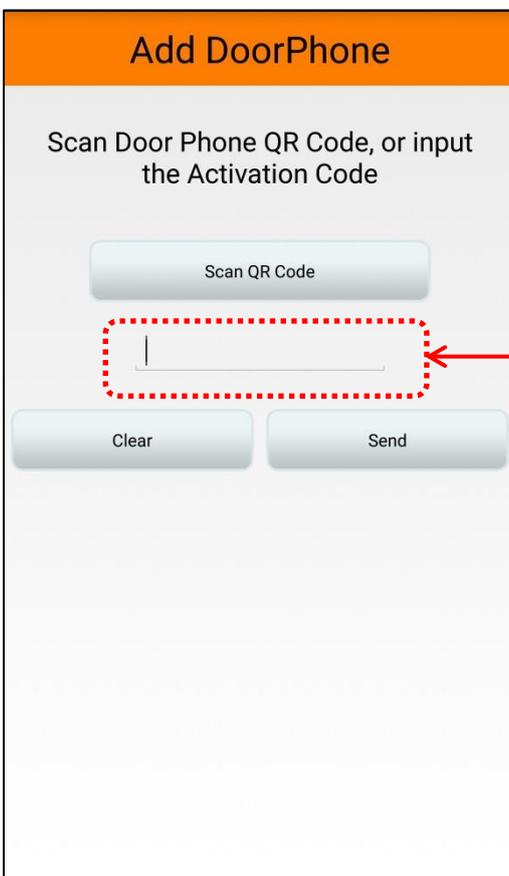
Step 10: You need to add your new door phone. Please click "Add DoorPhone" button at the bottom of screen.



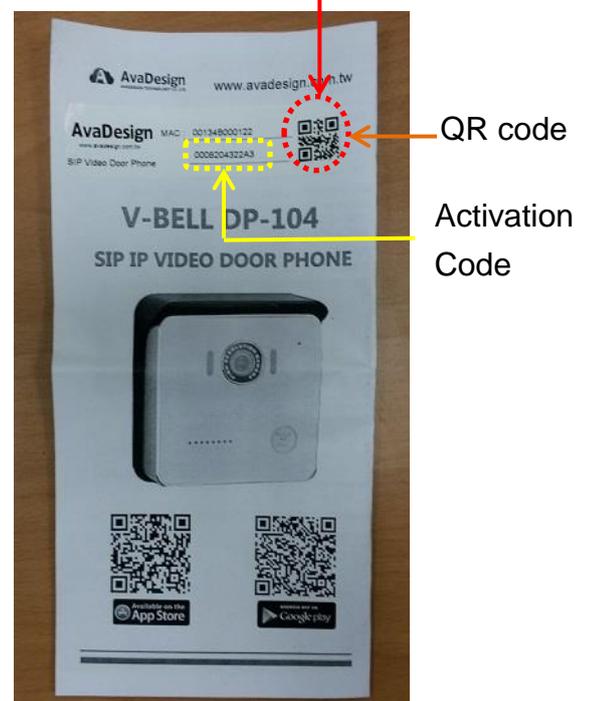
The account application of the IOS smart phone / tablet is the same as above steps 2 ~ 10. The color of screen and the type of button are different from Android smart phone. Please reference to the following screen.



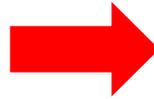
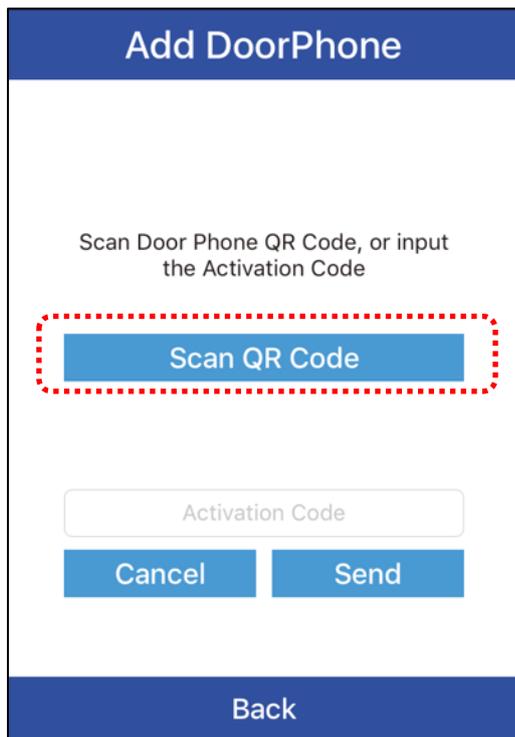
### 2.2.3 How to add your new door phone



Step 11: Then you need to click on "Scan QR Code" button to scan QR code on the cover of Quick Installation Guide in package box for check UID.



Android smartphone/tablet screen

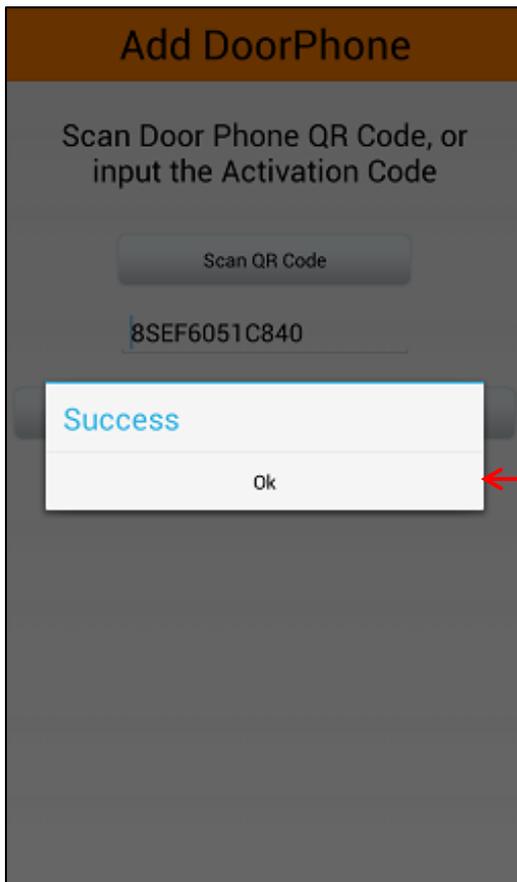


iOS smartphone/ tablet screen

【Remark】 If you lost the Quick Installation Guide, please feel free to contact your Avadesign representative. Tell him/her the MAC number on the bottom of your new door phone that shown as below. Avadesign representative will provide the Activation Code for you.

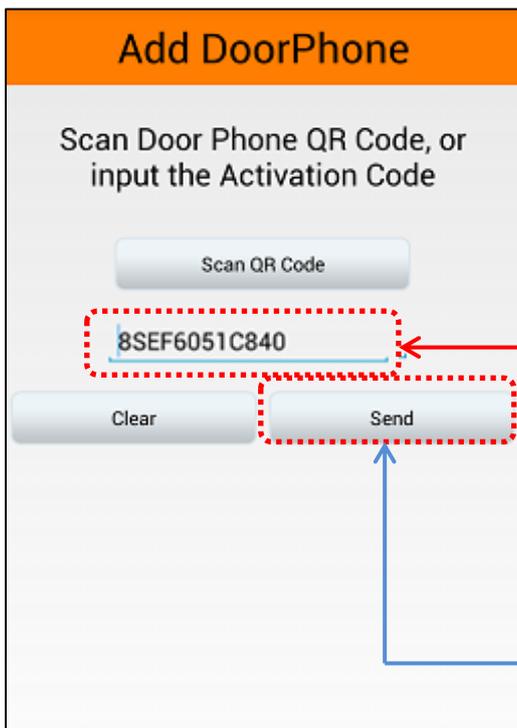


Then you will see the successful information after scanning. Please press “ok” button. At the same time, you will see the activation code of your new IP door phone display on the screen.



Step 12: Click on “OK” button

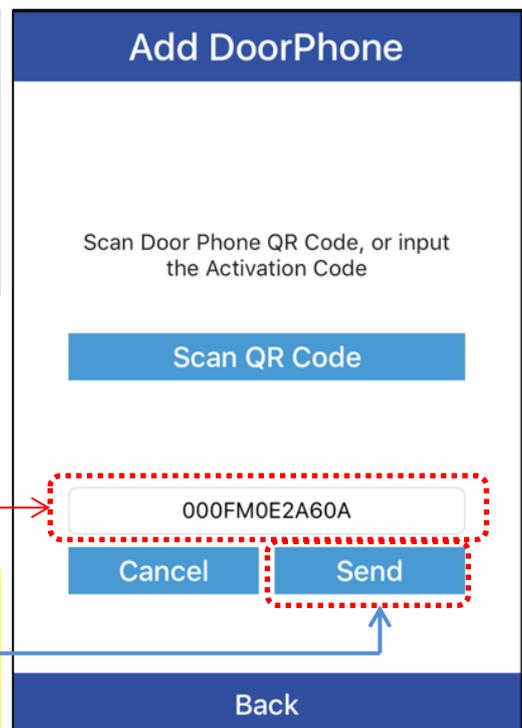
Now you will see the screen as below:



Active code of your door phone displays on the screen automatically.

Step 13: Click on “Send” button

Android smartphone / tablet screen



iOS smartphone / tablet screen

Then the image of the DP-104 SIP IP video door phone will be displayed on your smartphone. As shown below.

Congratulation! Your installation is successful. Now you can click and view the video of DP-104 IP door phone. And you also can make real time two way communication.

Step 14: Congratulation! Your installation is successful. Please click on this area to view the real time image of door phone and talk to the visitor who at your door.

Android smartphone / tablet screen

Please refer to section 2.2.3.2

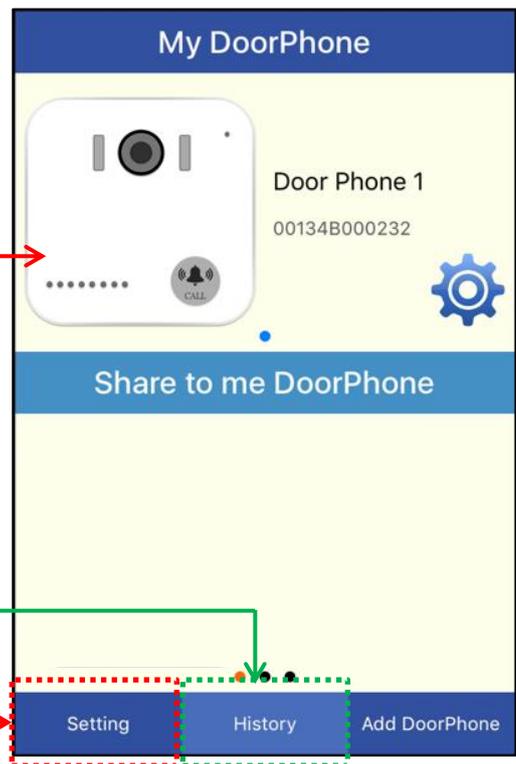
Please refer to section 2.2.3.1



Step 14: Congratulation! Your installation is successful. Please click on this area to view the real time image of door phone and talk to the visitor who at your door.

Please refer to section 2.2.3.2

Please refer to section 2.2.3.1



iOS smartphone / tablet screen

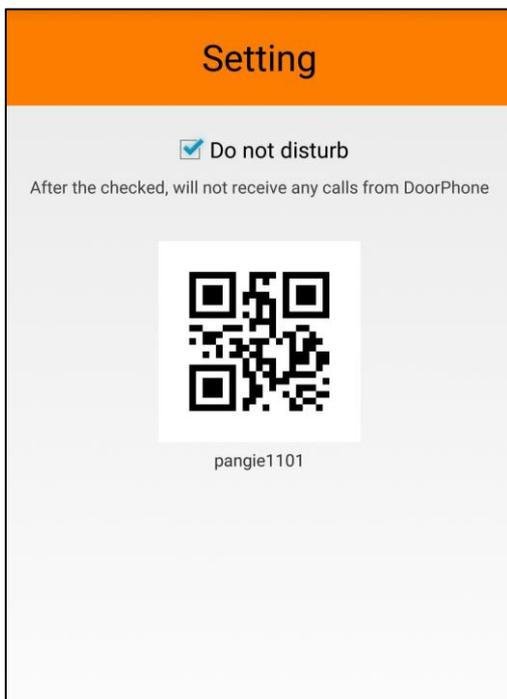
Now you can see the video of DP-104 IP door phone display on the screen of your smartphone.



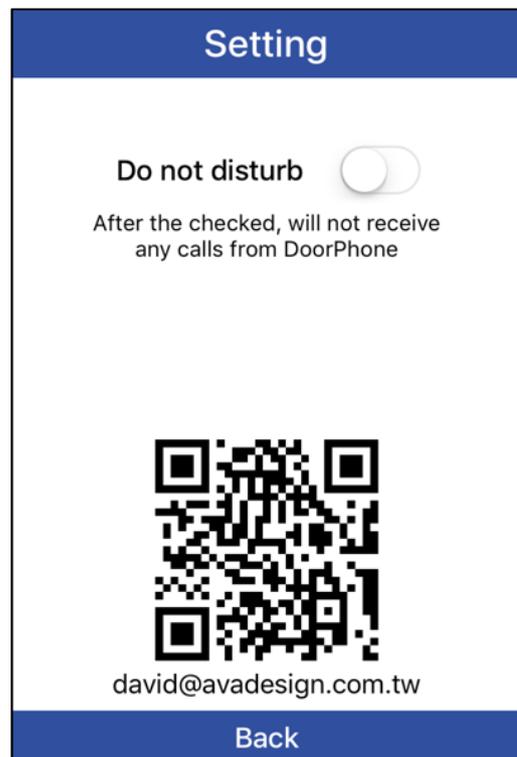
Step 15: You can see and speak with visitor who at your door. Then open the door for visitor.

### 2.2.3.1 Setting

「Setting」 provides do not disturb function for you. After you check, you will not receive any incoming calls from door phone.



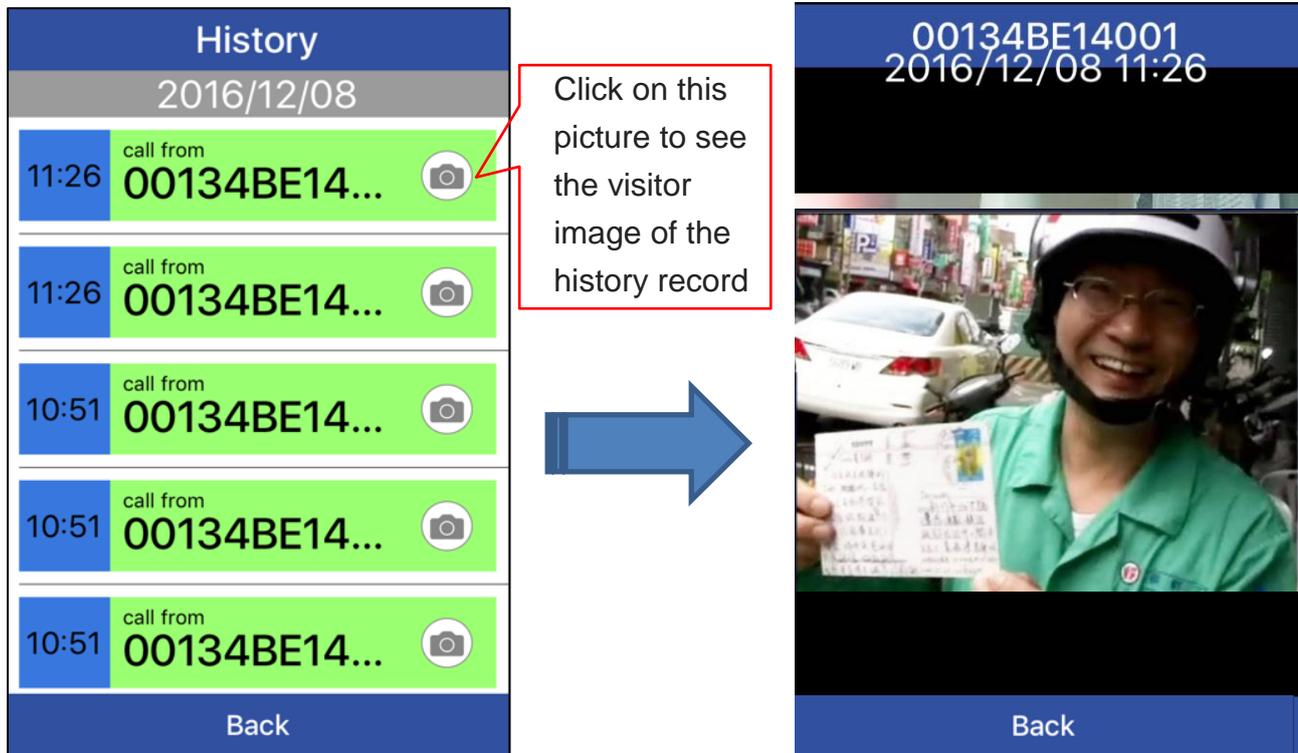
Android smartphone / tablet screen



iOS smartphone / tablet screen

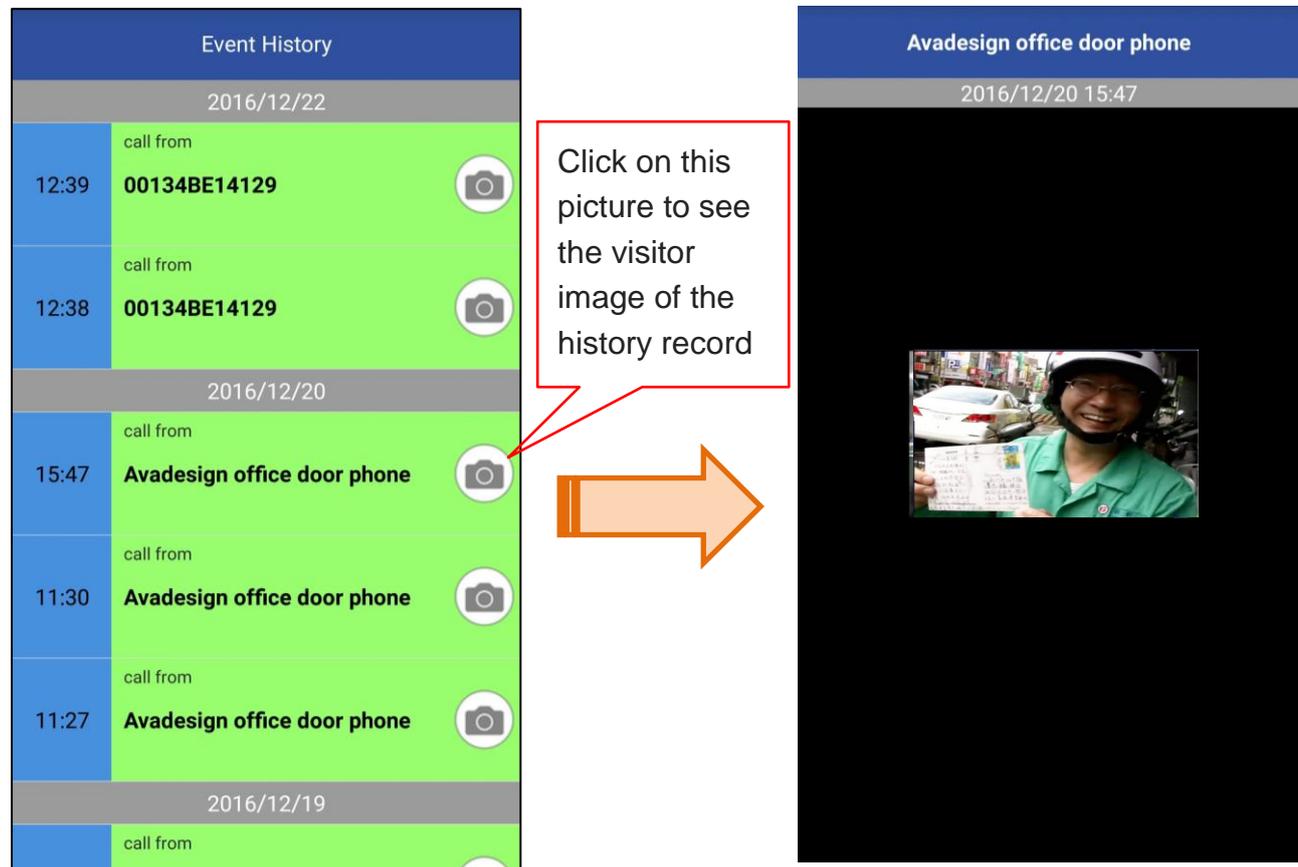
### 2.2.3.2 History

Click the “History” button on the screen of your smartphone/ tablet, the incoming call recent records of door phone (up to 30 records) will be shown as below.



iOS smartphone / tablet screen

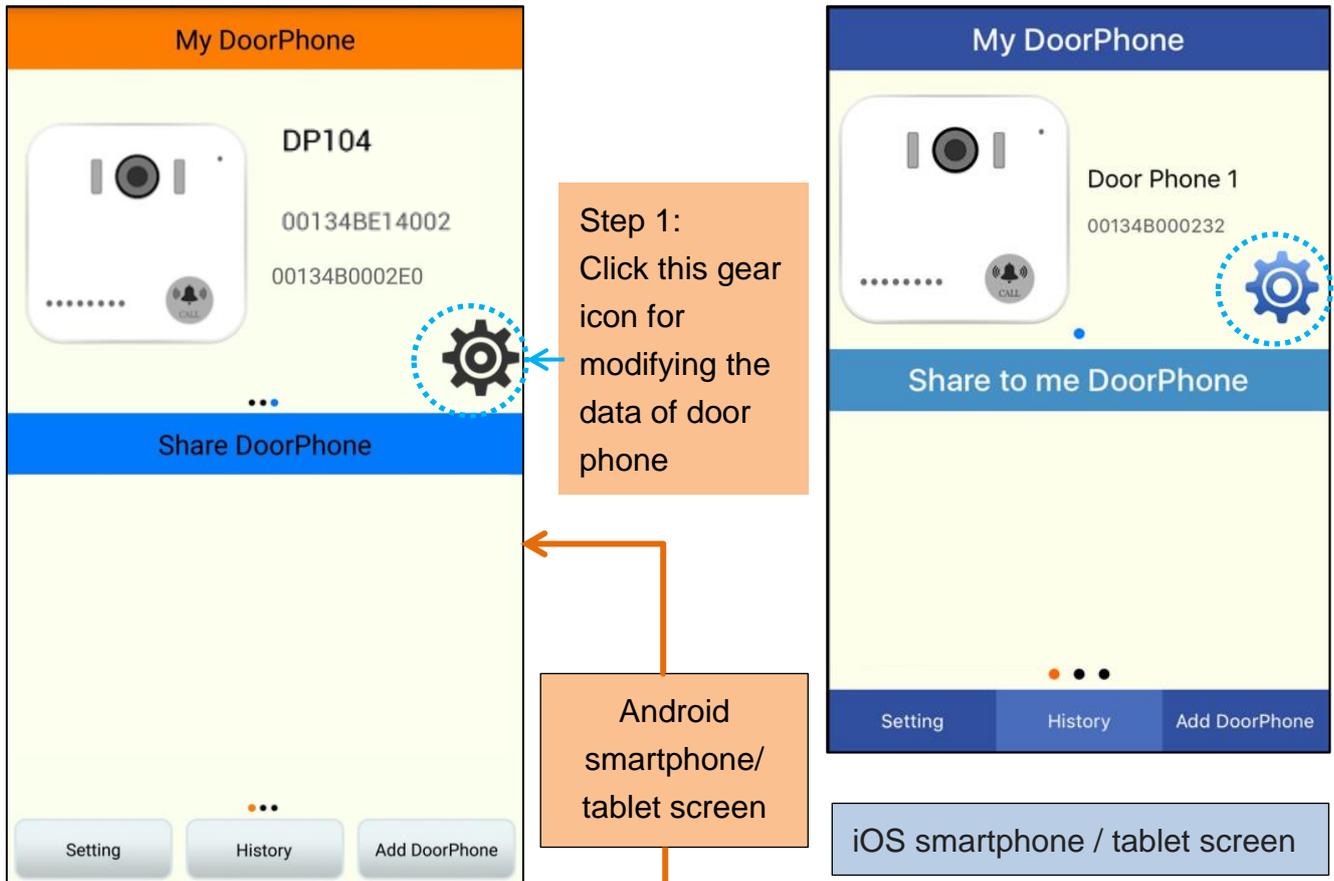
Android smart phone / tablet screen as shown below :



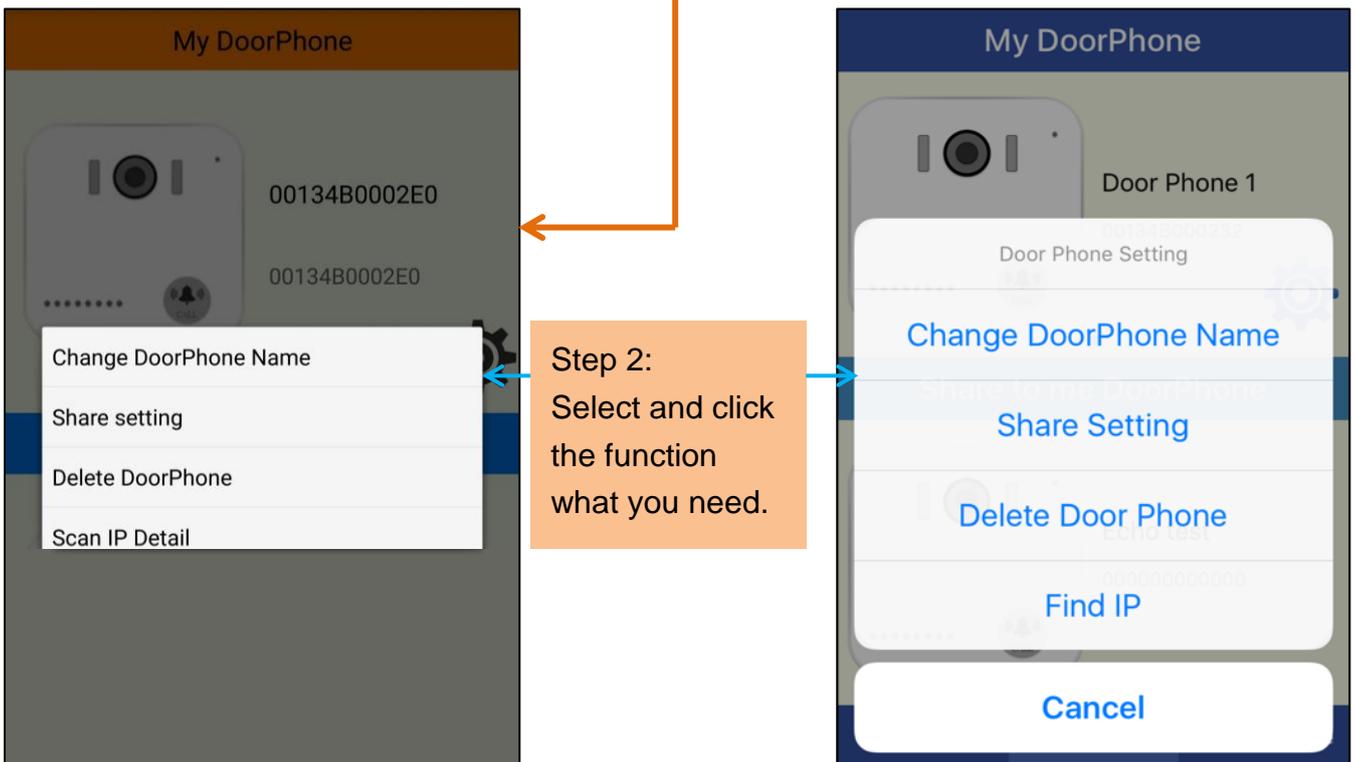
Android smartphone / tablet screen

## 2.2.4 Update and modify your door phone information

You can edit and modified the data of door phone such as change door phone's name or delete the door phone or share your door phone with others or find the door phone IP information.

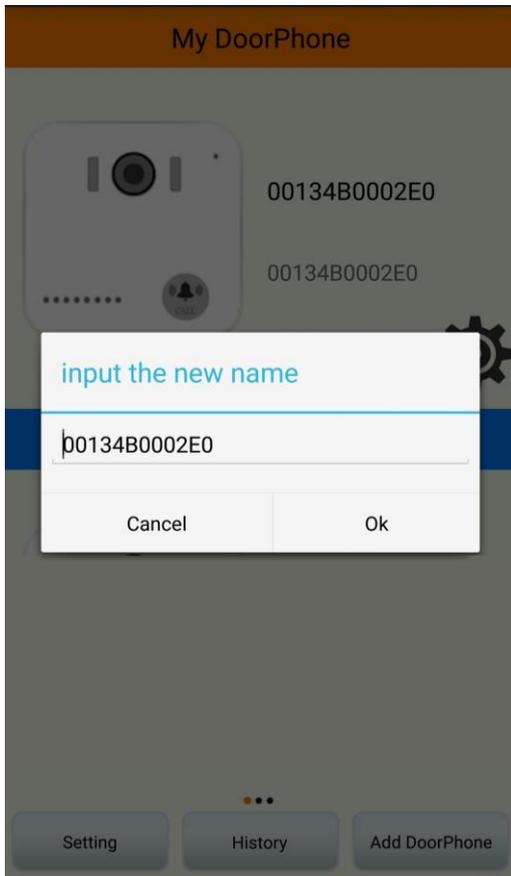


Then you will see a window jump on the screen as below.

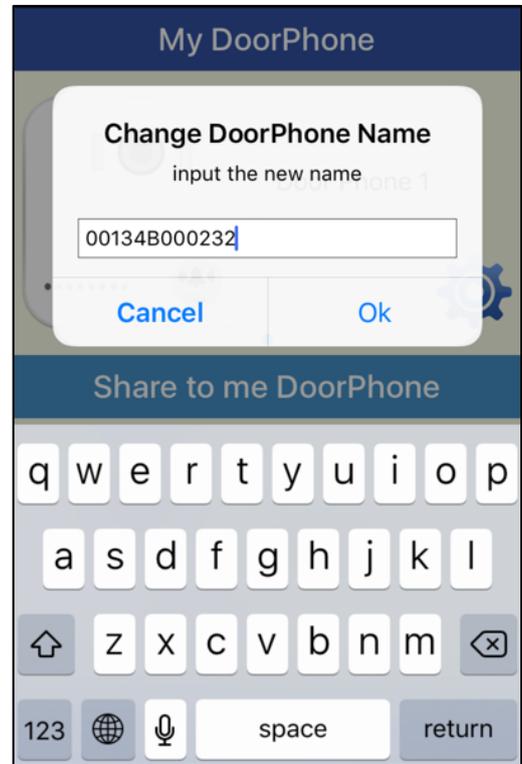


### 2.2.4.1 Change your door phone's name

You can change the name of your door phone by input a new name using keyboard on the screen. .Please refers to following screenshot:



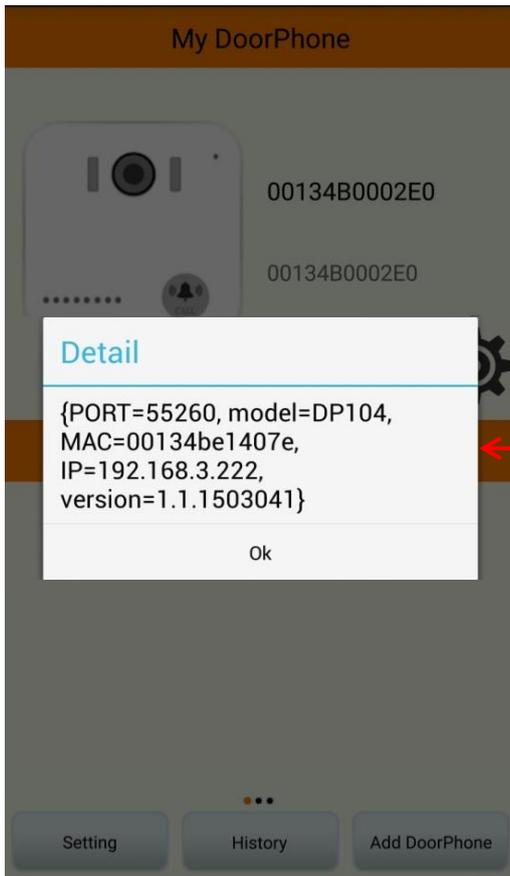
Android smartphone / tablet screen



iOS smartphone / tablet screen

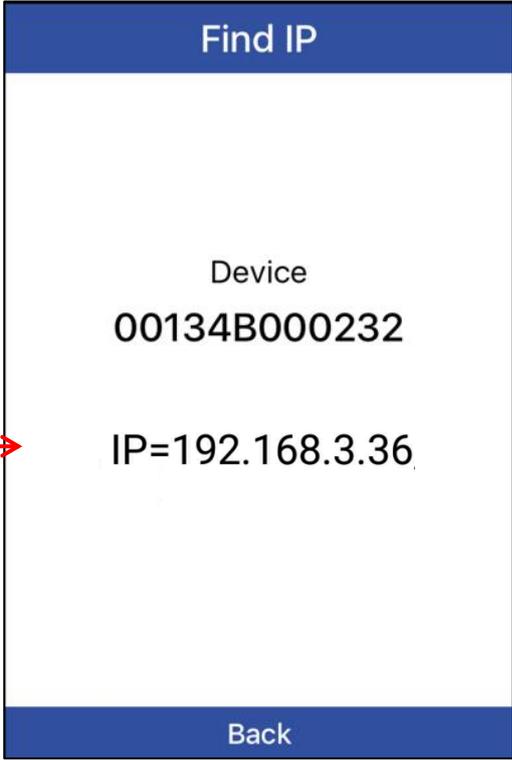
### 2.2.4.2 Find the IP address of your door phone

You can find the detail IP information of your door phone by selecting this function.



Android smartphone / tablet screen

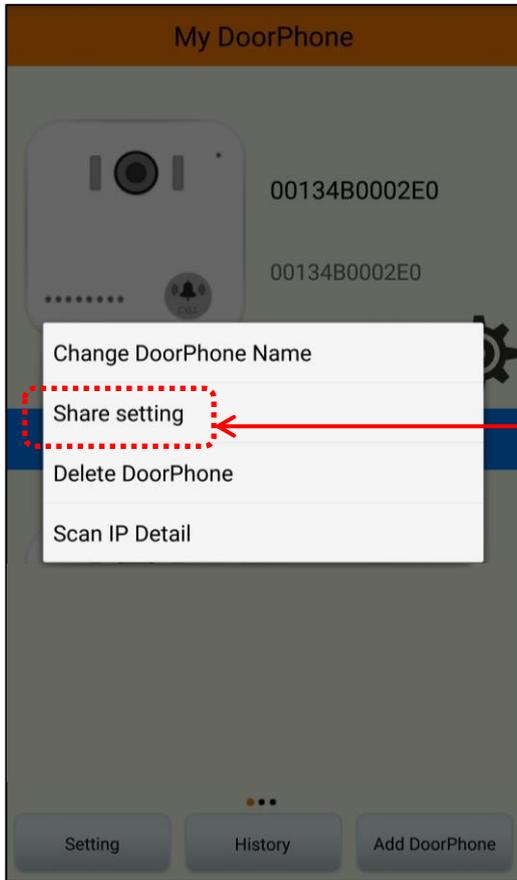
Detail IP information of door phone.



iOS smartphone / tablet screen

### 2.2.5 How to share the DP-104 door phone with your family

You can share your DP-104 SIP IP video door phone with your family member or others by selecting 「Share Setting」 function.

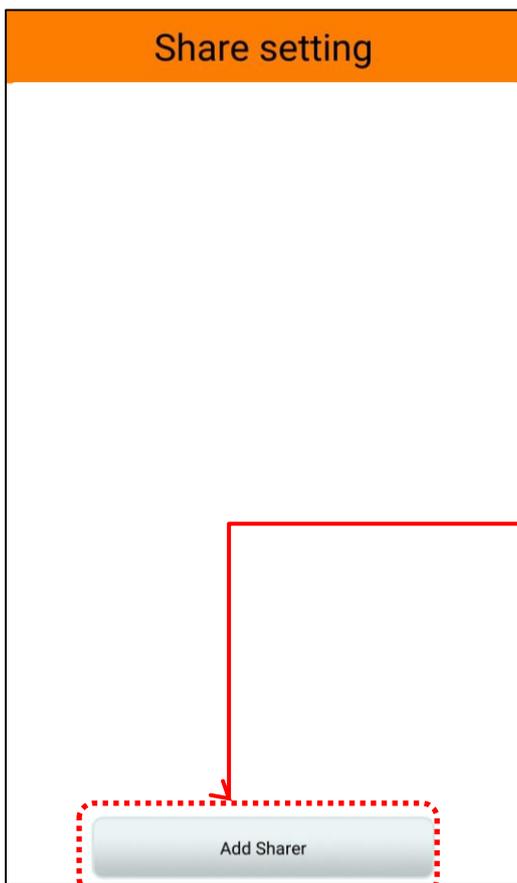


Step 1 :  
Select and click 「Share Setting」 function.

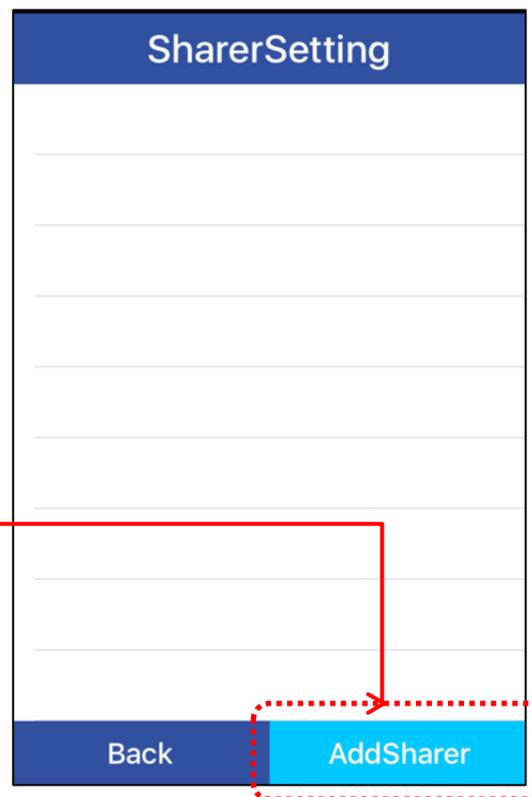


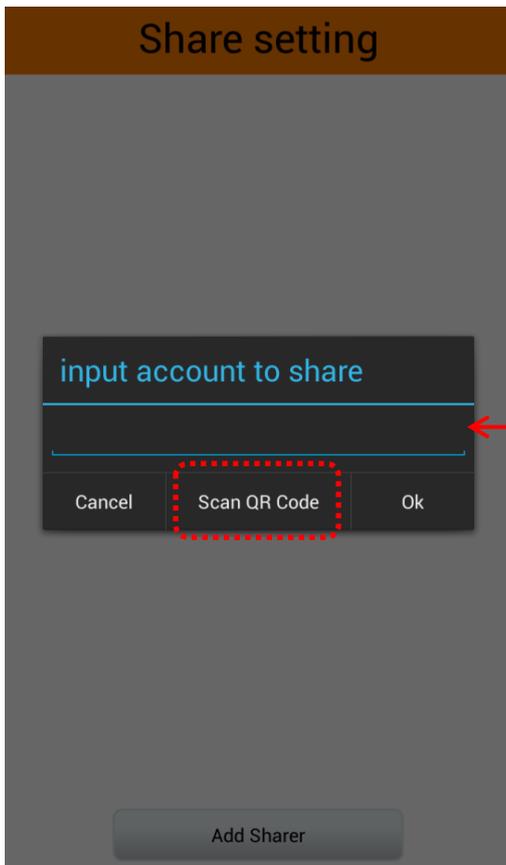
iOS smartphone / tablet screen

Android smartphone / tablet screen

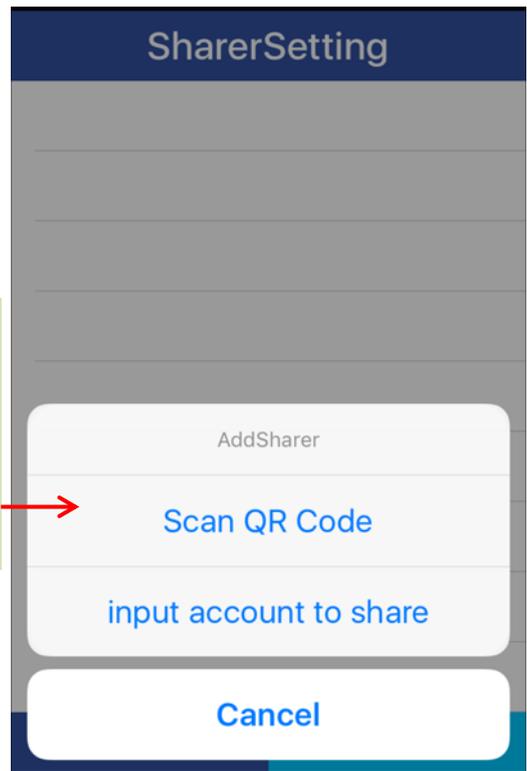


Step 2 :  
Click "Add Sharer" button.





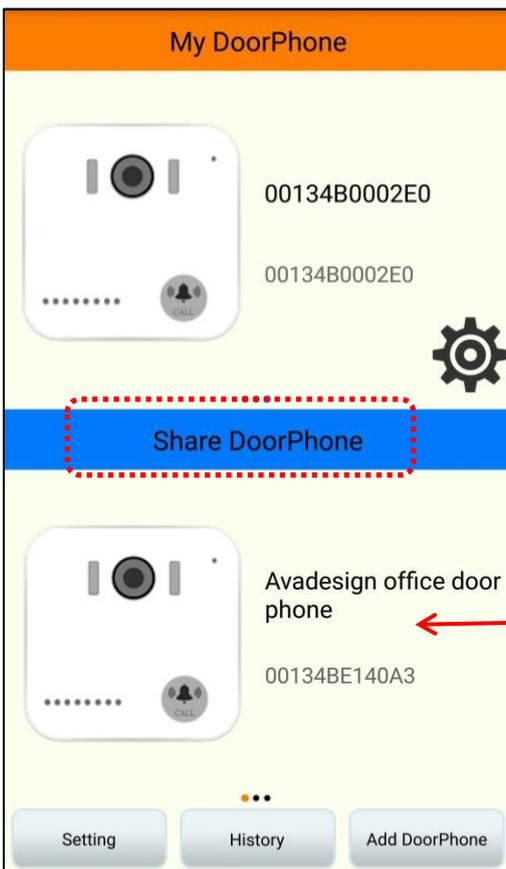
Step 3:  
Input account to share or by scanning QR code.



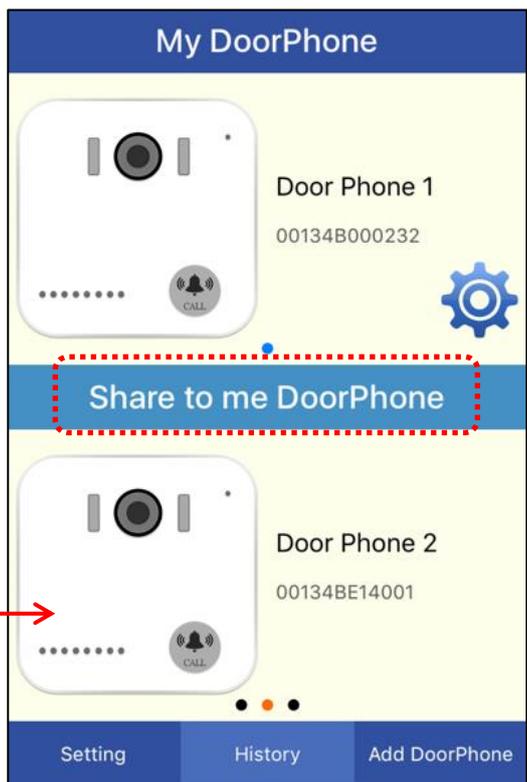
iOS smartphone / tablet screen

Android smartphone / tablet screen

In addition, other users can also share his or her DP-104 door phone with you. If other user shares door phone with you, the door phone picture will appear in the area of “Share DoorPhone”. As shown below.

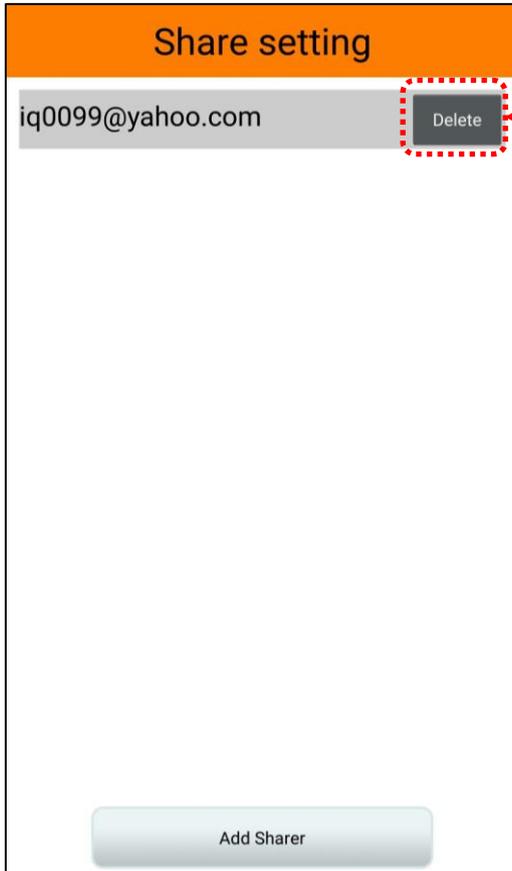


The door phone picture will appear in the area of “Share DoorPhone”



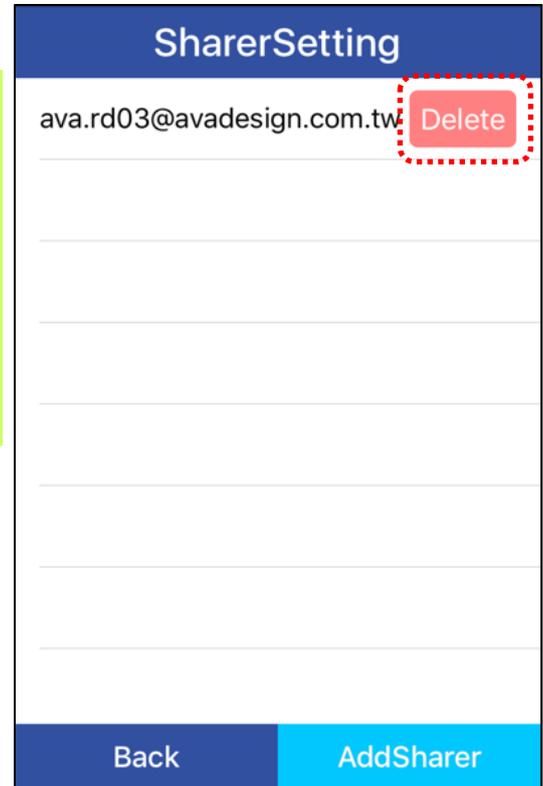
## 2.2.6 Cancel the Sharing

Click the "Delete" button behind the sharer who you want to cancel, you may cancel this member to share your door phone.



Android smartphone / tablet screen

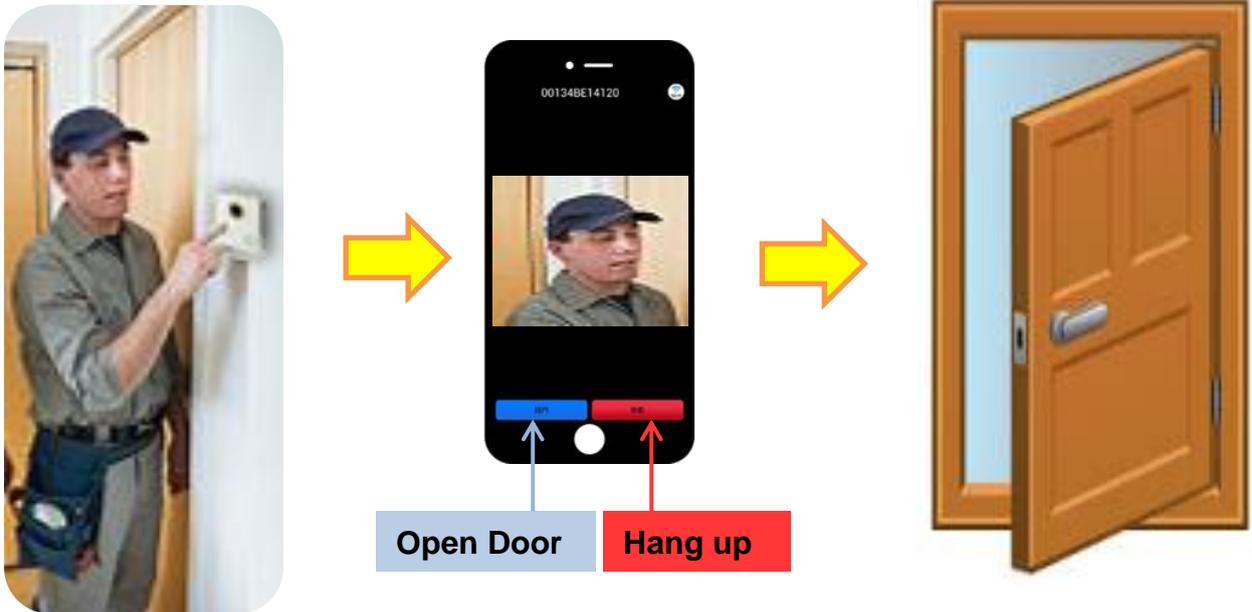
Click the "Delete" button, you may cancel this member to share your door phone.



iOS smartphone / tablet screen

## Chapter 3 How to Operate and Application

### 3.1 When the visitor comes to ring the bell



DP-104 IP video door phone and VBell intercom APP build your intelligent access control management system. It brings more convenient communication and more secure access management for your family.

When visitors come to your door and press the "Call" button  on the DP-104 IP door phone, your smartphone or tablet will ring. No matter where you are at the moment, you can see the visitor image, talk to the visitor right away, then open the door by clicking the "open door" button on the screen of your smartphone. You also can open the door remotely.

The intercom APP design and operation is user-friendly and intuition. Just touch the screen of your smartphone with your finger, both men and women at any age can operate easily and simply.

### 3.2 Remote monitors the door



Whether you are in the office, or on a business trip, or family travel abroad, or away from home for long time, as long as your mobile device (smartphone or tablet) can connect to the Internet, you can watch outside your home at any time. It is safer for your home.

Please click the door phone picture which you want to watch on your smartphone or tablet by your finger, as shown below, the image at your door will display immediately.



**【Remark】** DP-104 IP video door phone also provides full Web configuration for setting door phone functions and services depending on what your need. Please refer to DP-104 SIP IP video door phone user manual.