

# User's Manual

## 720p SIP Door Phone with PoE

▶ HDP-1100PT



## **Copyright**

Copyright © 2015 by PLANET Technology Corp. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of PLANET.

PLANET makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability or fitness for any particular purpose. Any software described in this manual is sold or licensed "as is". Should the programs prove defective following their purchase, the buyer (and not PLANET, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software. Further, PLANET reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation to notify any person of such revision or changes.

All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

## **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

## **FCC Caution**

To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## **Federal Communication Commission (FCC) Radiation Exposure Statement**

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

## **Safety**

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

### **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

### **WEEE Regulation**



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

### **Revision**

User's Manual of 720p SIP Door Phone with PoE  
Model: HDP-1100PT  
Rev: 1.00 (August, 2015)  
Part No. EM-HDP-1100PT\_v1.0

## Table of Contents


Chapter 1. Product Introduction .....	5
1.1 Package Contents .....	5
1.2 Overview .....	5
1.3 Specifications.....	5
Chapter 2. Hardware Interface.....	7
2.1 Physical Descriptions.....	7
2.2 Hardware Installation .....	9
2.3 Initial Utility Installation.....	9
Chapter 3. Web-based Management.....	12
3.1 Introduction .....	12
3.2 Status.....	12
3.2.1 Device Info.....	12
3.2.2 Service Status.....	13
3.3 Service.....	13
3.3.1 SIP.....	14
3.3.2 Calls.....	15
3.3.3 Video .....	16
3.3.4 RTSP Server.....	17
3.3.5 Web Server.....	17
3.4 Device.....	18
3.4.1 Volume Control .....	18
3.4.2 Camera.....	19
3.4.3 Relay .....	19
3.5 System.....	19
3.5.1 Network .....	20
3.5.2 Date &Time .....	21
3.5.3 Maintenance .....	21
3.5.4 Reset .....	22
3.5.5 Reboot.....	23
Appendix A: Door Phone SIP Configuration .....	24
Appendix B: Control HDP-1100PT by Smart Phone .....	25
Appendix C: Open Door by VoIP Phone .....	31
Appendix D: Troubleshooting & Frequently Asked Questions.....	36

# Chapter 1. Product Introduction

## 1.1 Package Contents

The package should contain the following:

- Quick Installation Guide x 1
- Plastic Wall Mount x 1
- Metal Wall Mount x 1
- Screw Kit x 1

 <b>Note</b>	<p>If any of the above items are missing, please contact your seller immediately.</p>
--	---

## 1.2 Overview

### Keyless Control and Convenience

PLANET HDP-1100PT is an SIP Door Phone with PoE feature. It supports H.264/MJPEG compression formats and delivers excellent picture quality in 720p HD resolutions at 20 frames per second (fps). The door phone has night vision that you can see short distances in low light. It provides the flexibility and control required for high-quality property complex visitor management, property protection, intercom, and message service.

### Real-time Monitoring

IP cameras can be linked to PLANET HAC-1000 and Cloud Home app for remote monitoring. Users can keep an eye on their home on mobile phones over a secure connection to the Home Automation Control Gateway.

### Easy Communication via Intercom

The two-way intercom function provided by the HDP-1100PT allows you to see the visitors and also communicate with them. The HDP-1100PT includes inputs/outputs for connecting to external devices such as door lock or door sensors. When the visitors press the call button at your door, you can press the unlock button on your mobile phone or PLANET HTS-1000P touch screen control pad to open the door for your visitors.

### AEC (Acoustic Echo Cancellation)

Acoustic Echo Cancellation (AEC) technology is adopted in PLANET's HDP-1100PT Door Phone and HTS-1000P touch screen control pad to enable users to minimize the voice sound signal distortion shown in the diagram below, thus guaranteeing the best-in-class sound quality.

### Finding the Door Phone via Smart Discovery

PLANET Smart Discovery is a simple, freely available application for locating intercoms from the IP family in the network. After searching the network, the application shows the device name, firmware version and IP address of all intercoms found on a chart. This simplifies the administration and installation of intercom systems. Simply run the easy-to-use software to get immediate results.

## 1.3 Specifications

<b>Product</b>	HDP-1100PT
<b>Camera</b>	
<b>Image Device</b>	1/4" 1 mega-pixel progressive scan CMOS sensor
<b>View Angle</b>	112.4-degree wide-ranging horizontal view angle
<b>Monitoring Range</b>	3 meters

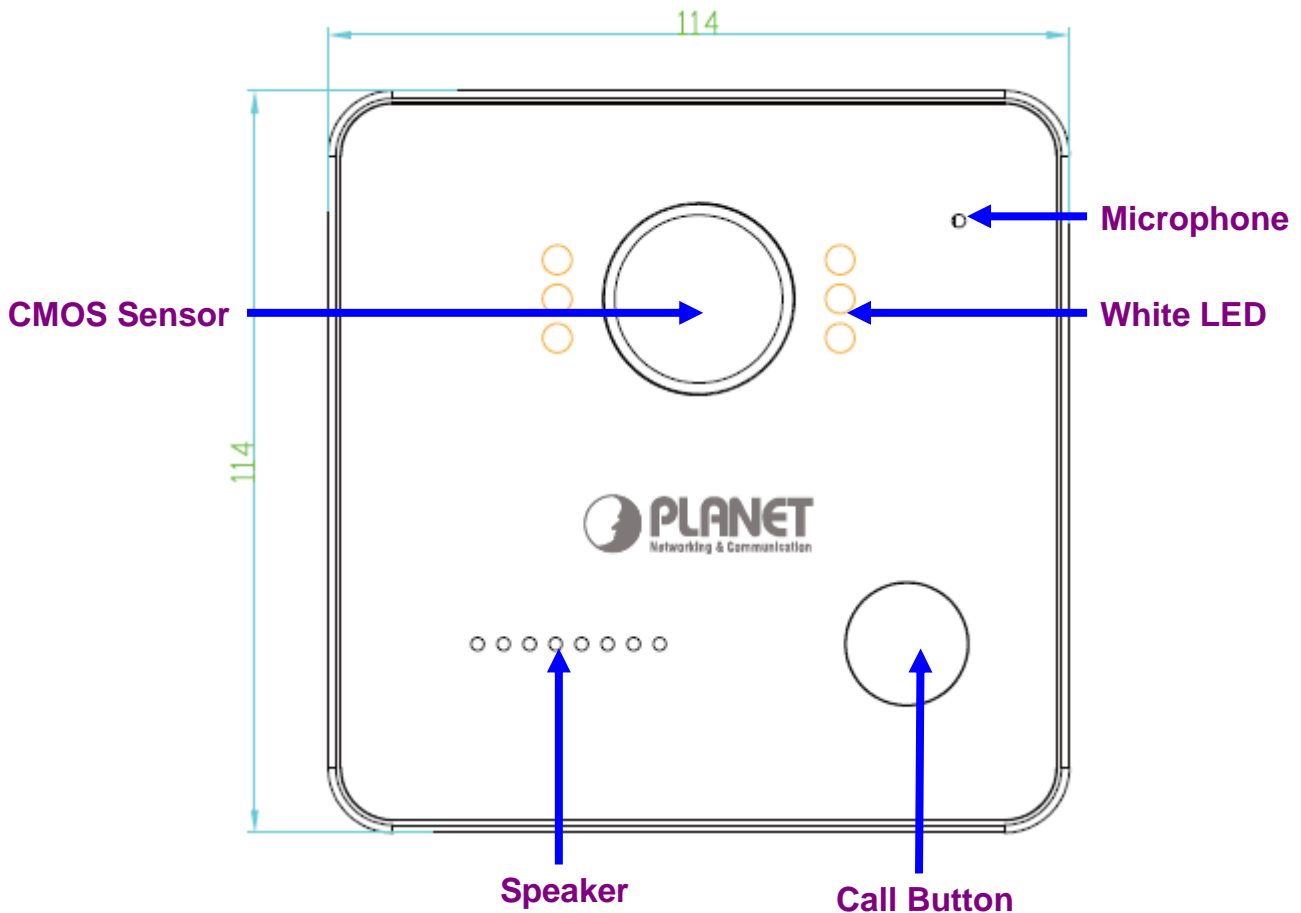
<b>LED</b>	White LED x 6, effective up to 0.6 meters
<b>Video</b>	
<b>Video Compression</b>	H.264 / M-JPEG
<b>Video Resolution</b>	H.264: 720p / 640 x 480 / 320 x 240 MJPEG: 720p / 640 x 480 / 320 x 240
<b>Frame Rate</b>	Up to 20fps for all resolutions
<b>Audio</b>	
<b>Audio Streaming</b>	Two-way audio
<b>Audio Compression</b>	RTSP: G.711, AAC
<b>Microphone</b>	Built-in microphone and speaker input
<b>Audio Output</b>	Acoustic Echo Cancellation
<b>Network and Configuration</b>	
<b>Network Standard</b>	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
<b>Protocol</b>	SIP 2.0 (RFC-3261), IPv4, TCP/IP, HTTP, DDNS, DHCP, RTSP, DNS, PPPoE
<b>Functions</b>	Intercom, Doorbell Control, Manual Alarm, Monitoring
<b>General</b>	
<b>Power Requirements</b>	IEEE 802.3af Class 3
<b>Operating Temperature</b>	-10 ~ 45 degrees C
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Weight</b>	290g
<b>Dimensions (W x D x H)</b>	114 x 114 x 35 mm
<b>Installation</b>	Wall-mount type
<b>Emission</b>	CE, FCC
<b>Connectors</b>	10/100 Mbps Ethernet, RJ45 Call Button Relay Output Port (control door lock or alarm) DI Port (for door sensor, PIR, emergency button)

## Chapter 2. Hardware Interface

### 2.1 Physical Descriptions

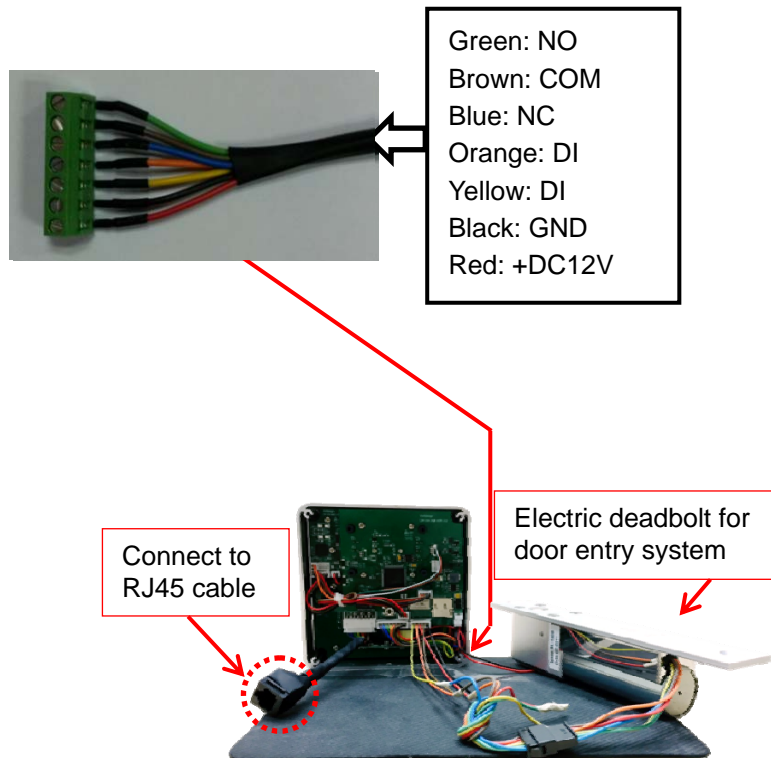
<b>Dimensions (W x D x H)</b>	114 x 35 x 114 mm
<b>Weight</b>	290g (gross weight)

#### Real Panel



Interface	Description
<b>CMOS sensor</b>	The HDP-1100PT door phone has a built-in IP camera supporting a high-resolution video of up to 1280 x 720 pixels.
<b>White LED</b>	Emits white light to provide light source in dark places.
<b>Call button</b>	Press the "Call" button to check who the caller is before opening the doors, or talk to him/her.
<b>Microphone</b>	The door phone has a built-in microphone hidden in the pinhole located on the front panel.
<b>Speaker</b>	The door phone has a built-in speaker for convenient communication and alert use.

## I/O Control Instruction



Interface	Description												
<b>DC Power (red)</b>	The input power is 12V DC, 1A												
<b>DI (orange and yellow)</b>	DI connects to the sensor for notifying the status, so that the CPU can do the appropriate action.												
<b>DO (green, brown and blue)</b>	<p>DO connect to control device and the status of device can be accessed (NC-COM) or (NO-COM).</p> <p>The PCB controls the power On/Off status of device via power relay.</p> <p><b>Example</b></p> <p>Anode lock x 1 and the list below is I/O interface.</p> <table border="1"> <tbody> <tr> <td><b>Red</b></td> <td>12VDC+</td> </tr> <tr> <td><b>Black</b></td> <td>GND</td> </tr> <tr> <td><b>Yellow</b></td> <td>Button connect – line</td> </tr> <tr> <td><b>Blue</b></td> <td>COM</td> </tr> <tr> <td><b>White</b></td> <td>NO</td> </tr> <tr> <td><b>Gray</b></td> <td>NC</td> </tr> </tbody> </table> <p><b>Step 1.</b> Connect the COM of HTP-1100PT and GND of anode lock together.</p>	<b>Red</b>	12VDC+	<b>Black</b>	GND	<b>Yellow</b>	Button connect – line	<b>Blue</b>	COM	<b>White</b>	NO	<b>Gray</b>	NC
<b>Red</b>	12VDC+												
<b>Black</b>	GND												
<b>Yellow</b>	Button connect – line												
<b>Blue</b>	COM												
<b>White</b>	NO												
<b>Gray</b>	NC												



**Step 2.** Connect the NC of HDP-1100PT and Button of anode lock together.

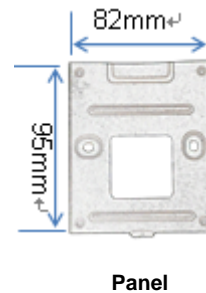
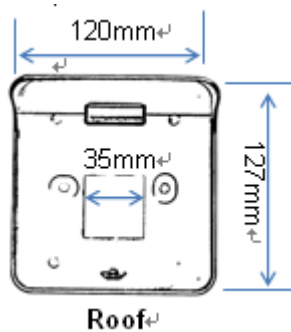
**Step 3.** Provide the power to anode lock and HDP-1100PT. When the anode lock is powered by 12VDC, the anode lock would switch to lock location.

**Step 4.** Press the **Open door button** to open door by mobile phone.

## 2.2 Hardware Installation

**Step 1:** Surface-mount the HDP-1100PT SIP IP video door phone in a desired location.

**Step 2:** Put the Ethernet cable through the square hole, measuring 35 x 35mm.



**Step 3:** Fix the door phone on the wall using a roof or a panel and two screws as shown below:



**Step 4:** Connect the HDP-1100PT to IEEE802.3af/at POE switch or router via RJ45 cable.

## 2.3 Initial Utility Installation

This chapter shows how to use utility to find the IP of your door phone. The door phone is with the default settings. However, to help you find the networked door phone quickly, the windows utility **PLANET Smart Discovery** can search door phone in the network that can help you to configure some basic settings before you start advanced management.

**Step 1:** Please download the search tool from Planet download center:

### Utility

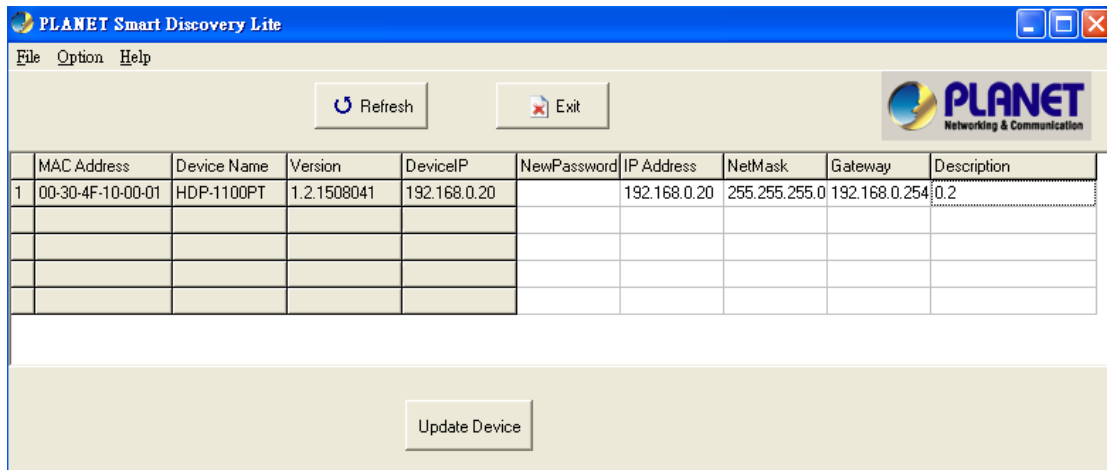
Date	Version	Description	Download
2015-03-06	1.0	Search Tool	

**Step 2:** Unzip the file and run the program “ SmartDiscoveryLite”.



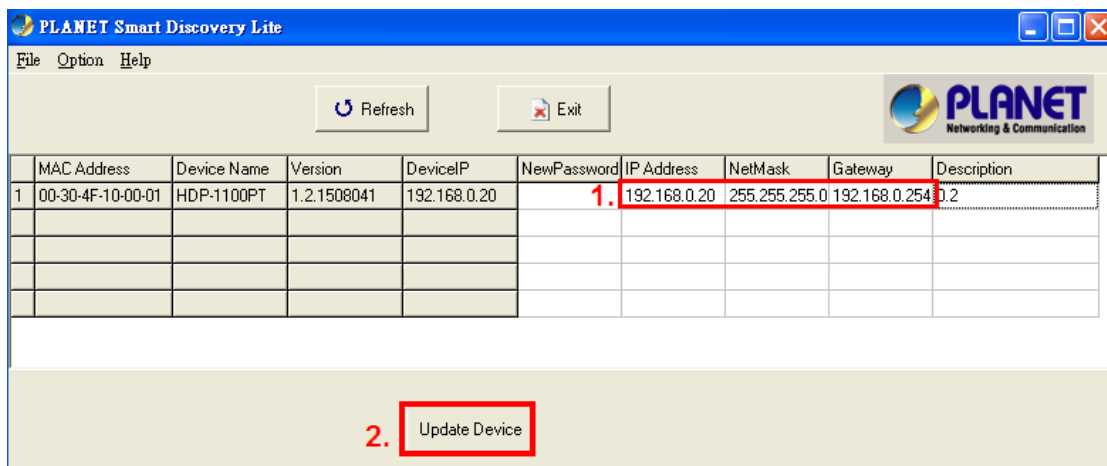
SmartDiscoveryLite\_v1...

**Step 3:** The window below will show the network information of control gateway.

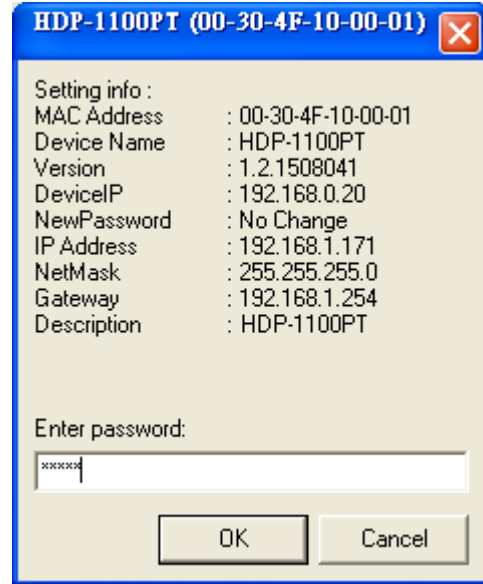


Before searching the IP, please make sure your PC is in the same IP segment as door phone.

**Step 4:** The information in the red box can be modified. Then click “Update Device”.



**Step 5:** Enter the password: **admin**. After clicking "OK", the information will be changed.



**HDP-1100PT (00-30-4F-10-00-01)** [X]

Setting info :

MAC Address	: 00-30-4F-10-00-01
Device Name	: HDP-1100PT
Version	: 1.2.1508041
DeviceIP	: 192.168.0.20
NewPassword	: No Change
IP Address	: 192.168.1.171
NetMask	: 255.255.255.0
Gateway	: 192.168.1.254
Description	: HDP-1100PT

Enter password:

OK Cancel

## Chapter 3. Web-based Management

Your door phone is ready to put you in control of your home. Please take a few minutes to read through this guide to familiarize yourself with the steps required to set up your door phone.

This chapter provides setup details of the door phone Web-based Interface.

### 3.1 Introduction

Door phone can be configured with your Web browser. Before configuring, please make sure your PC is in the same IP segment as door phone.

Enter the user name and password (**admin/admin**) to access interface.



### 3.2 Status

Here you can view the status of the door phone.

#### 3.2.1 Device Info



Parameters	Description
Product Name	Model name of the door phone.

<b>Hardware Version</b>	The current hardware version of the door phone.
<b>Firmware Version</b>	The current firmware version of the door phone.
<b>Uptime</b>	The operating time from boot time till now.

### 3.2.2 Service Status

This section provides the information of network status and phone status.



The screenshot shows the web interface for the PLANET 720p SIP Door Phone with PoE HDP-1100PT. The interface has a blue header with the PLANET logo and product name. A left sidebar contains navigation links: Status, Device Info, Service Status, Service, Device, and System. The main content area is titled 'Service Status' and is divided into two sections: 'Network Status' and 'Phone Status'.

Network Status	
MAC Address	00:30:4F:10:00:00
DHCP Status	OFF
IP Address	192.168.1.169
Network Mask	255.255.255.0
Default Gateway	192.168.1.254
DNS	8.8.8.8

Phone Status	
Qualia Service State	Online

### 3.3 Service

This section includes SIP, calls, video, RTSP server and web server.

### 3.3.1 SIP

This section includes SIP information, SIP registration, and intercom with control pad and advanced settings. You can register door phone to your IP PBX on this page and intercom with control settings.

#### SIP

**Qualia Service**

**Registration Enabled**

#### SIP Information

Account

Password

Please input only 0-9, a-z, A-Z and avoid special words

#### SIP Registrar

Registrar Address

Registrar Port

Registration Expires  s

Dial Button

Delete

Delete

For example:

2001@192.168.0.254:5060

Add

#### Advanced Settings v

SIP Transport

SIP Local Port

IP Address Filter Enabled  192.168.0.254:5060

Starting RTP Port

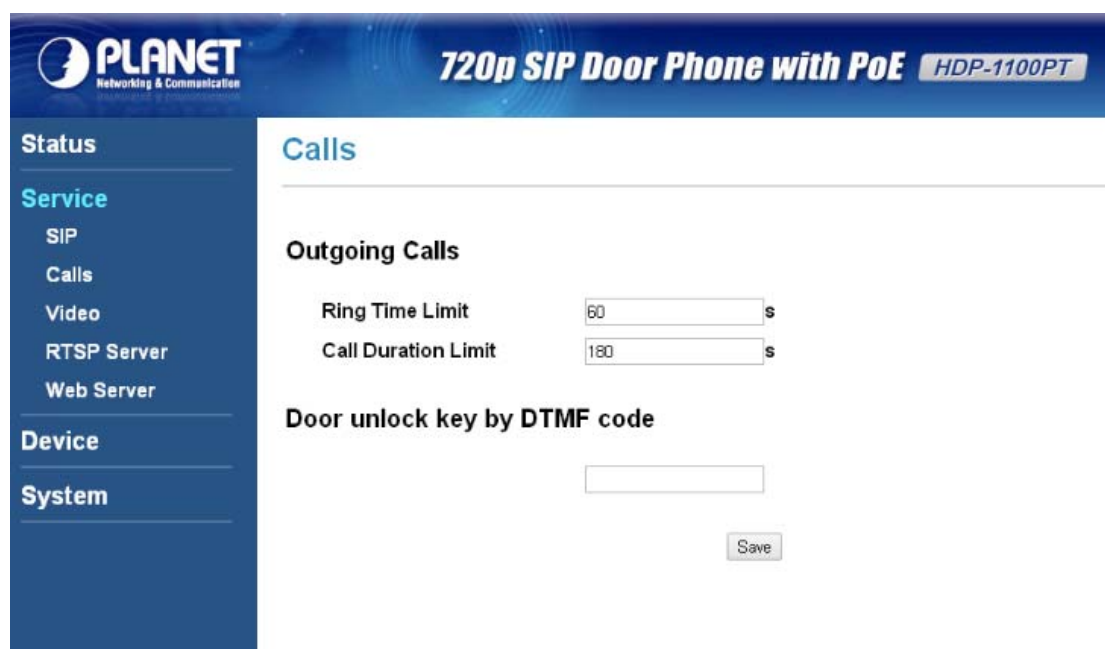
Save

Parameters	Description
Qualia Service	Tick this to connect with cloud server when using Cloud Bell App.
Registration Enable	Tick this to enable registration.

Parameters	Description
<b>SIP Information</b>	Account and password of registration information in your IP PBX.
<b>SIP Registrar</b>	IP address, port and expiry of your IP PBX. Dial Button needs to be filled in IP address of control pad for intercom. You can add one or more IP address of control pad.
<b>Advanced Settings</b>	SIP transport, SIP local port, starting RTP port and IP address filter enable/disable.

### 3.3.2 Calls

Here you can configure outgoing calls and DTMF code for door lock.



The screenshot shows the web interface for the PLANET 720p SIP Door Phone with PoE HDP-1100PT. On the left is a navigation menu with options: Status, Service (SIP, Calls, Video, RTSP Server, Web Server), Device, and System. The 'Calls' section is selected, displaying 'Outgoing Calls' settings. 'Ring Time Limit' is set to 60 seconds and 'Call Duration Limit' is set to 180 seconds. Below these, there is a field for 'Door unlock key by DTMF code' and a 'Save' button.

Parameters	Description
<b>Ring Time Limit</b>	Set the ring time where there is no answer.
<b>Call Duration Limit</b>	Set the call duration during the call.
<b>Door Unlock Key by DTMF code</b>	Enter the DTMF code that could open door by VoIP phone. Please refer to the appendix C for more details.

### 3.3.3 Video

You can modify the pixel of the door phone.



Parameters	Description
<b>Video Frame Rate</b>	Defines the targeted frame rate of this video. For example, set the frame rate to 15 fps, then the image will be updated for 15 frames per second. User can set the desired max. frame rate versus video quality under the limited bandwidth.
<b>Video Resolution of H.264</b>	Resolution of the H.264 stream.
<b>Video Quality of H.264</b>	The higher the quality is, the bigger the file size is. It might affect Internet transmission speed if the file gets too large.
<b>Video Resolution of MJPG</b>	Resolution of the MJPEG stream.
<b>Video Quality of MJPG</b>	The higher the quality is, the bigger the file size is. It might affect Internet transmission speed if the file gets too large.



### 3.3.4 RTSP Server

RTSP command of the door phone



Parameters	Description
RTSP Server Enable	To enable or disable the RTSP server
MJPG URL	Set the MJPG output connecting route.
MJPEG Audio Type	To select alaw or acc for MJPEG audio coding
H264 URL	Set the H264 output connecting route.
H264 Audio Type	To select alaw or acc for H264 audio coding

### 3.3.5 Web Server

You can change the account and password of login to the door phone.



Parameters	Description
Account	Account of login to the door phone.
Password	Password of login to the door phone.
HTTP Port	Default is 80.

### 3.4 Device

This section is about volume control and camera, and relay settings.

#### 3.4.1 Volume Control

Here you can adjust volume of the door phone.



Parameters	Description
Speaker Volume	Speaker volume of the door phone.
Microphone Volume	Microphone volume of the door phone.
AEC Enabled	Enable/Disable AEC.

### 3.4.2 Camera

There are Brightness, Contrast, Flicker and Night Mode of the door phone.



Parameters	Description
Brightness	Brightness of the door phone.
Contrast	Contrast of the door phone.
Flicker	Wrong power line frequency makes images flicker. Make sure it comes with the 50 or 60Hz format of your device.
Night Mode	Tick this to enable night mode.

### 3.4.3 Relay

Set the relay time of the door lock.

#### Relay

#### Relay Timer

Relay Timer:  (s)

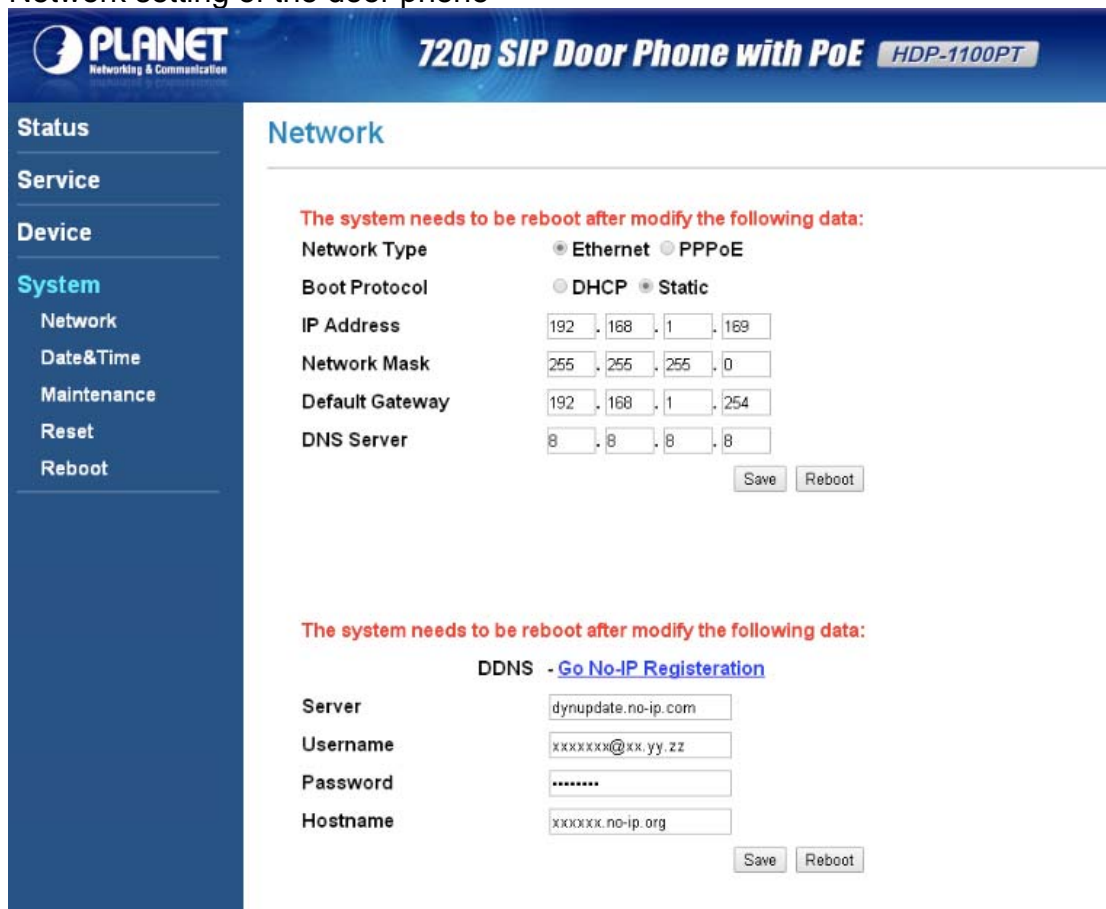
Save

### 3.5 System

This section can set up network and time, and upgrade firmware.

### 3.5.1 Network

Network setting of the door phone

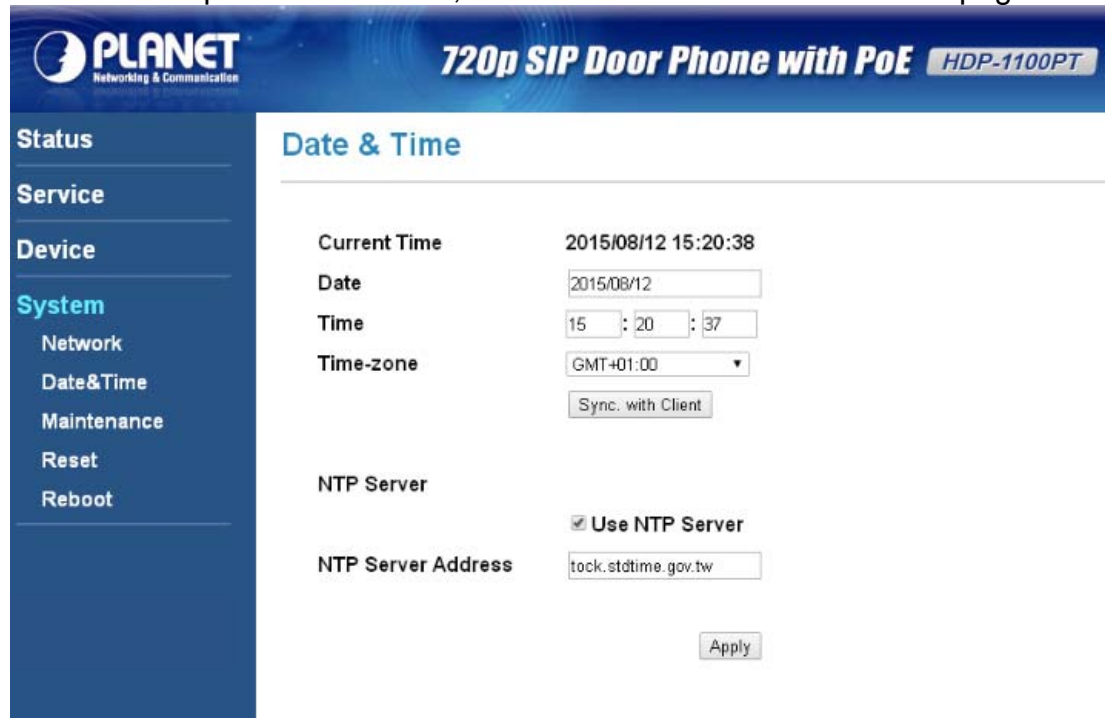


Parameters	Description
<b>Network Type</b>	Select your network type: Ethernet or PPPoE.
<b>Boot Protocol</b>	Select your Boot Protocol: DHCP or Static. <b>DHCP:</b> IP camera will get all the network parameters automatically. <b>Static IP:</b> Please type in IP address, network mask, gateway, and DNS server manually.
<b>IP Address</b>	This address is a unique number that identifies a computer or device on the WAN or LAN.
<b>Network Mask</b>	Network Mask allows network traffic between hosts to be separated based on the network's configuration.
<b>Default Gateway</b>	A gateway is a piece of software or hardware that passes information between networks. You'll see this term most often when you either log in to an Internet site or when your email is transient between different servers.
<b>DNS Server</b>	When you send email or position a browser to an Internet domain such as xxxxx.com, the domain name system translates the names into IP addresses. The term refers to two things: the conventions for naming hosts and the way the names are controlled across the

Internet.

### 3.5.2 Date & Time

You can set up the current time, time zone and NTP Server on this page.



The screenshot shows the 'Date & Time' configuration page. On the left is a navigation menu with 'System' selected, containing 'Network', 'Date&Time', 'Maintenance', 'Reset', and 'Reboot'. The main content area has the following fields:

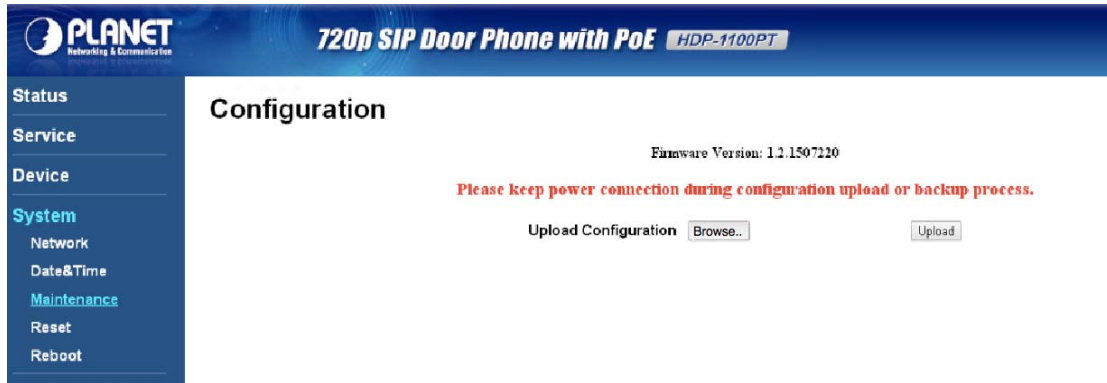
- Current Time:** 2015/08/12 15:20:38
- Date:** 2015/08/12
- Time:** 15 : 20 : 37
- Time-zone:** GMT+01:00 (with a 'Sync. with Client' button)
- NTP Server:**  Use NTP Server
- NTP Server Address:** tock.stdtime.gov.tw

An 'Apply' button is located at the bottom right of the configuration area.

Parameters	Description
Current Time	Time of the door phone.
Date	Date of the door phone.
Time	Time of the door phone.
Time Zone	Time zone of the door phone.
NTP Server Address	Type the host name or IP address or domain name of the NTP server.

### 3.5.3 Maintenance

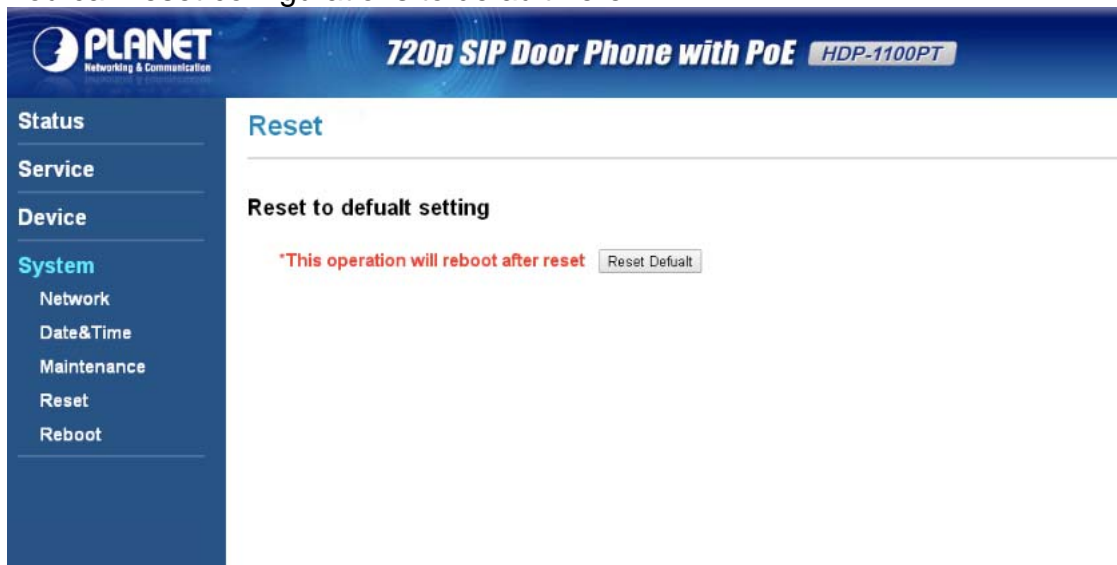
This page is for upgrading firmware of the door phone. Click "Browse..." to select firmware file. Then click "Upload" to upgrade firmware.




The screenshot shows the 'Configuration' page of the PLANET web interface. The left sidebar contains a menu with 'System' selected, and sub-items: Network, Date&Time, Maintenance, Reset, and Reboot. The main content area displays 'Configuration' and 'Firmware Version: 1.2.1507220'. A red warning message states: 'Please keep power connection during configuration upload or backup process.' Below this, there are two buttons: 'Upload Configuration' and 'Browse...' (with a file selection icon), and an 'Upload' button.

### 3.5.4 Reset

You can reset configurations to default here.



The screenshot shows the 'Reset' page of the PLANET web interface. The left sidebar is identical to the previous screenshot, with 'Reset' selected. The main content area displays 'Reset' and 'Reset to default setting'. A red warning message states: '\*This operation will reboot after reset'. Below this, there is a 'Reset Default' button.

 <p>Note</p>	<p>If you forget login password, change the password or reset it to default by using the hardware reset. Within 5 seconds after the adapter is connected to the door phone, press and hold the call button on the door phone for 40 seconds. Release it after the LED of door phone flashes 5 times, meaning the reset has been successfully done.</p>
---	--

### 3.5.5 Reboot

Click the “Reboot” button to reboot and try to reconnect.

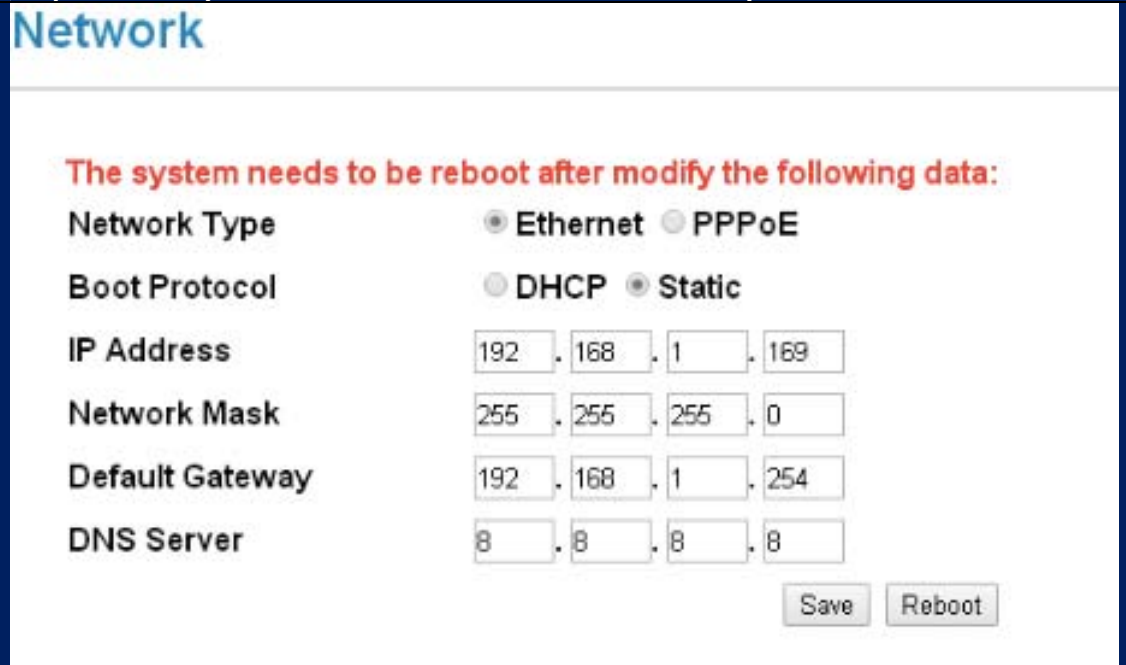


The screenshot shows the web interface for the PLANET 720p SIP Door Phone with PoE HDP-1100PT. The interface has a blue header with the PLANET logo and the product name. On the left, there is a navigation menu with the following items: Status, Service, Device, System (highlighted), Network, Date&Time, Maintenance, Reset, and Reboot. The main content area is titled "Reboot" and contains the instruction "Reboot and try to reconnect it" followed by a "Reboot" button.

## Appendix A: Door Phone SIP Configuration

Please refer to the following steps to configure door phone.  
Make sure you have already finished hardware and utility installation.

**Step 1.** Go to “System”>”Network”, Select Static IP and fill out your static IP.



**Network**

The system needs to be reboot after modify the following data:

Network Type  Ethernet  PPPoE

Boot Protocol  DHCP  Static

IP Address  .  .  .

Network Mask  .  .  .

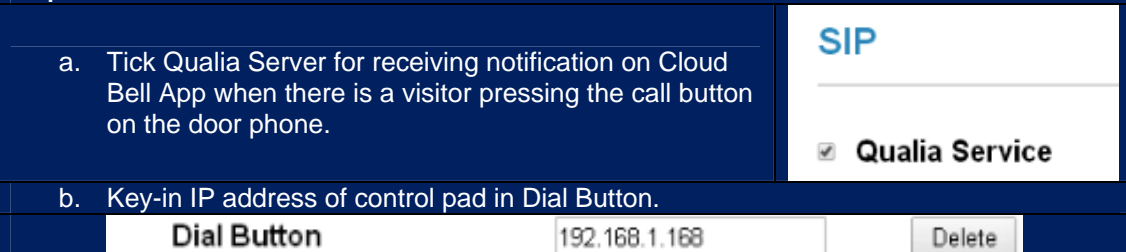
Default Gateway  .  .  .

DNS Server  .  .  .

**Step 2.** Go to “Service”>”SIP”

a. Tick Qualia Service for receiving notification on Cloud Bell App when there is a visitor pressing the call button on the door phone.

b. Key-in IP address of control pad in Dial Button.



**SIP**

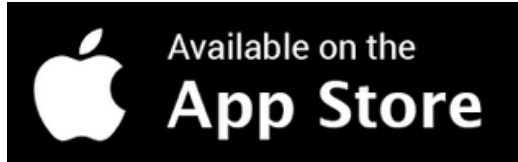
**Qualia Service**

<b>Dial Button</b>	<input type="text" value="192.168.1.168"/>	<input type="button" value="Delete"/>
--------------------	--	---------------------------------------



## Appendix B: Control HDP-1100PT by Smart Phone

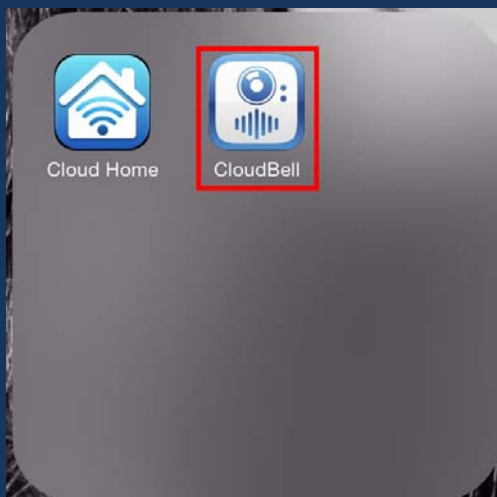
The HDP-1100PT can be used on iOS and Android operating system; can be online at Google Play and App store search Cloud Home download.



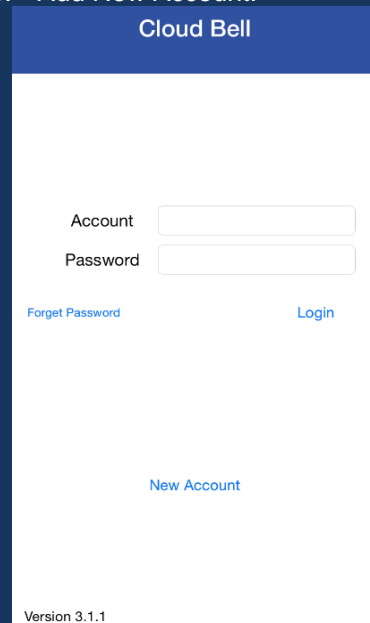
Please refer to the following steps to install Cloud Bell App.

**Step 1.** Download Cloud Bell App and register a user account.

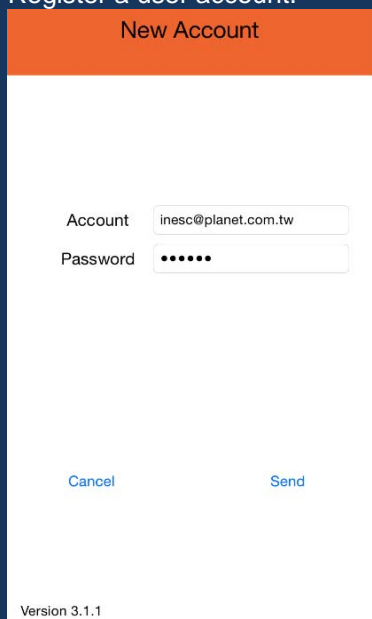
a. Download and run Cloud Bell App.



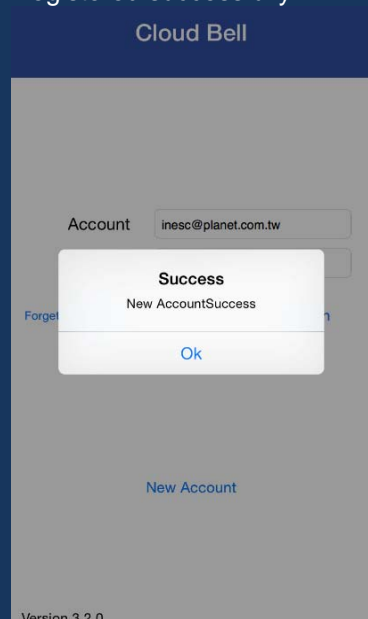
b. Add New Account.




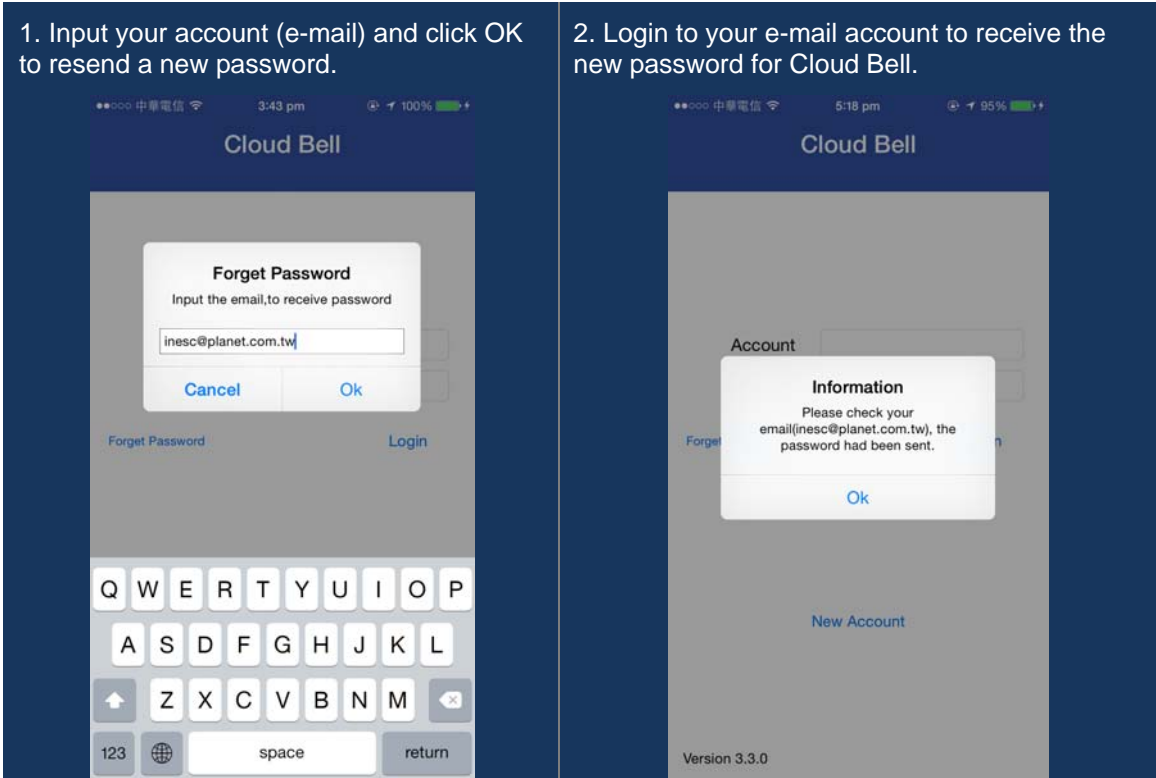
c. Register a user account.



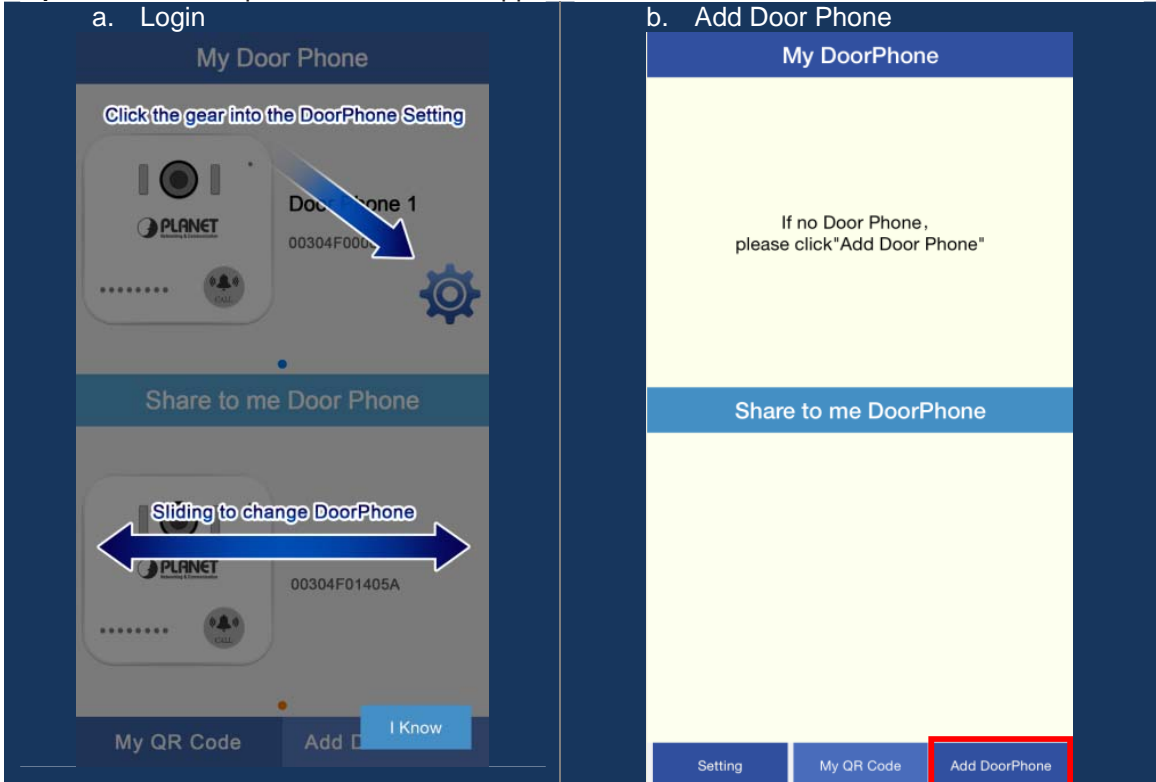
d. Registered successfully.



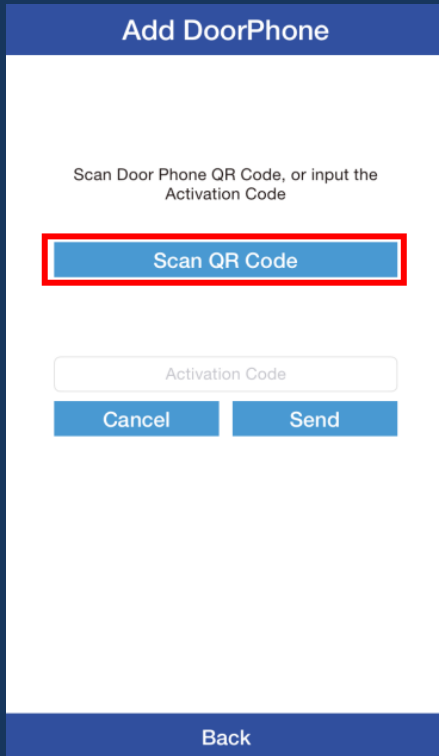
 Note: If you forget password, you can click "Forget Password" to resend a new password to your e-mail.



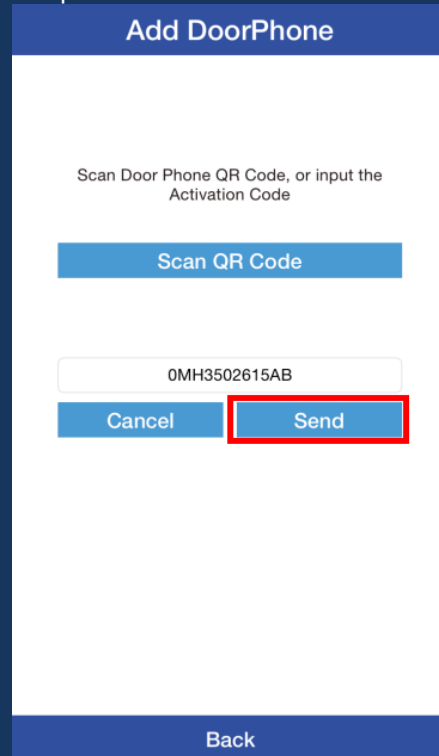
**Step 2.** Include door phone in Cloud Bell App.



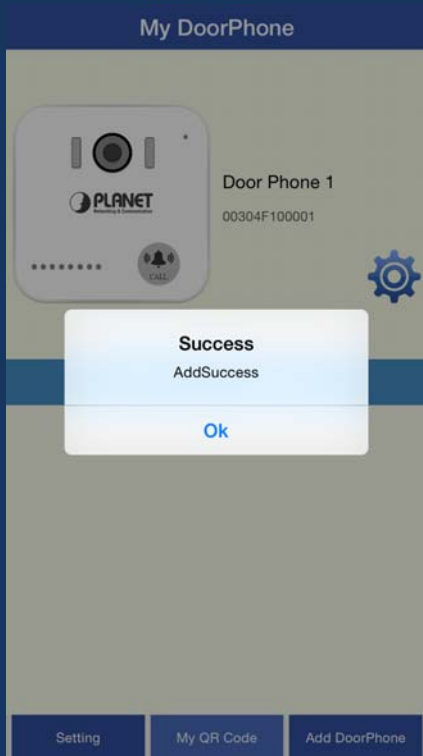
c. Scan QR code



d. There is an action code in the blank, and press "Send" to add the door phone.



e. Add success.




f. Click gear to change the name of the door phone.

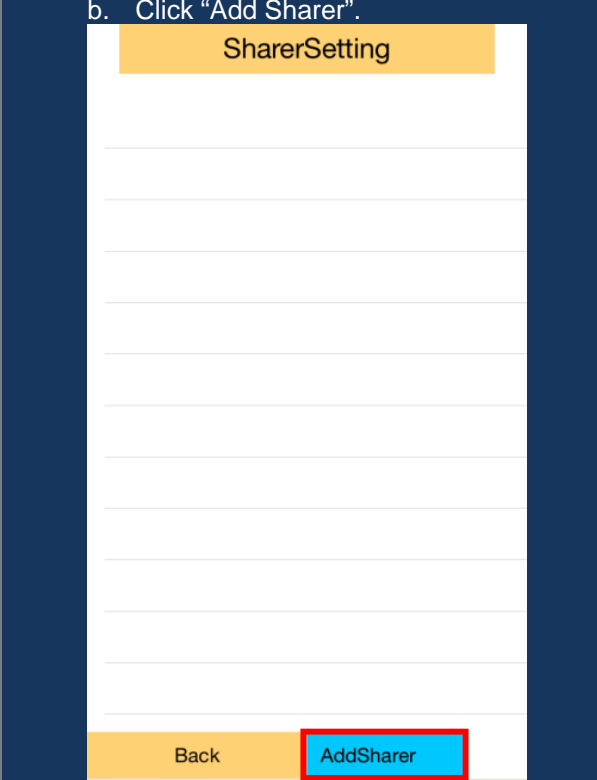


**Step 3.** Share the door phone with your family.

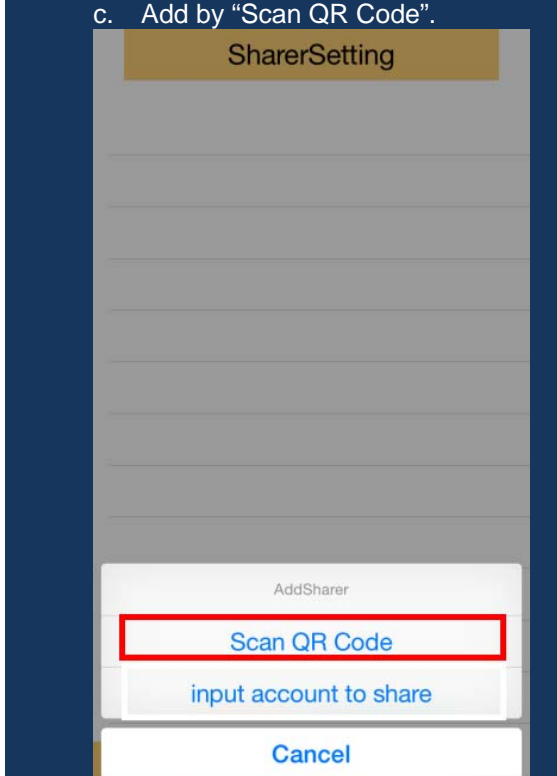
a. Click "Share Setting".



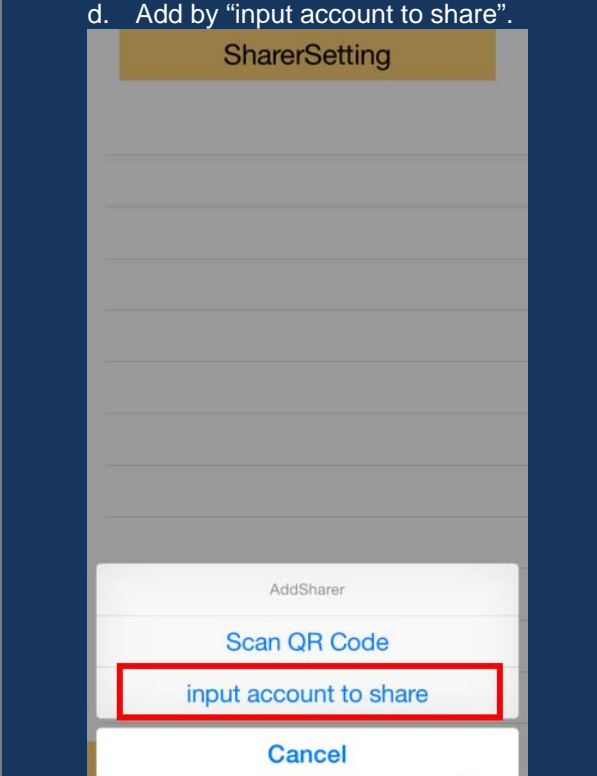
b. Click "Add Sharer".

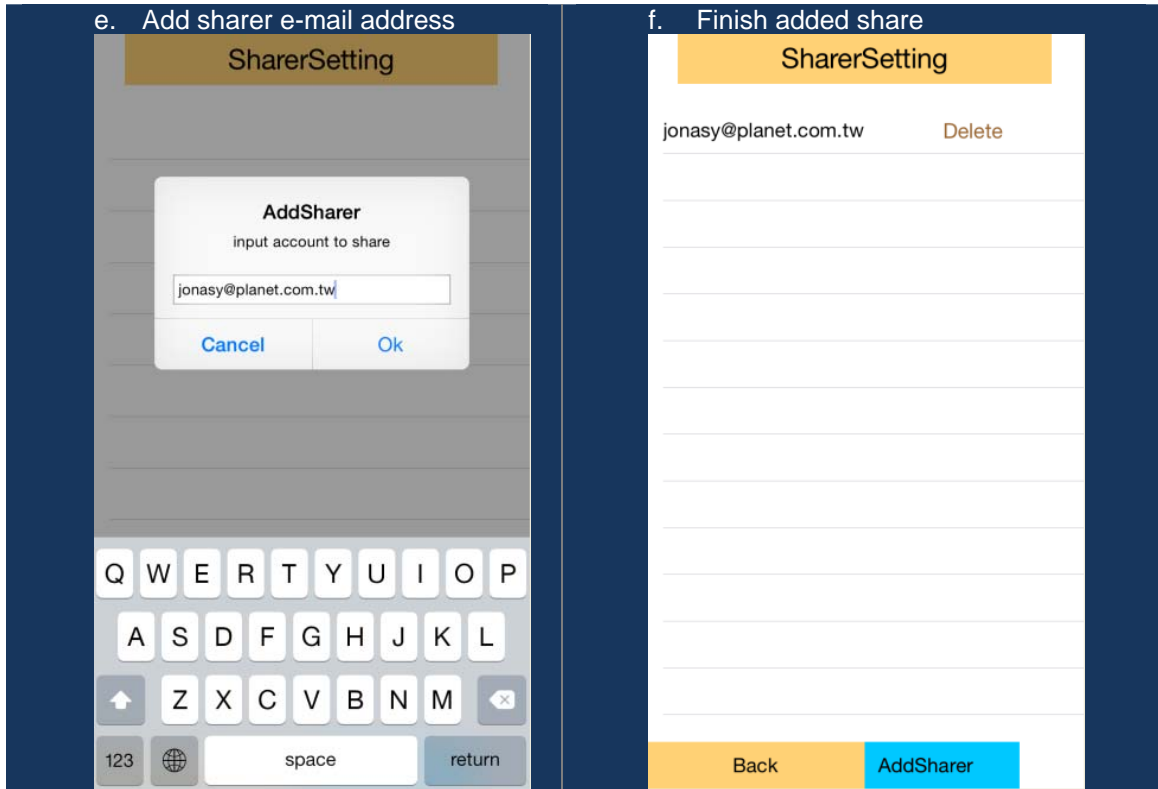



c. Add by "Scan QR Code".



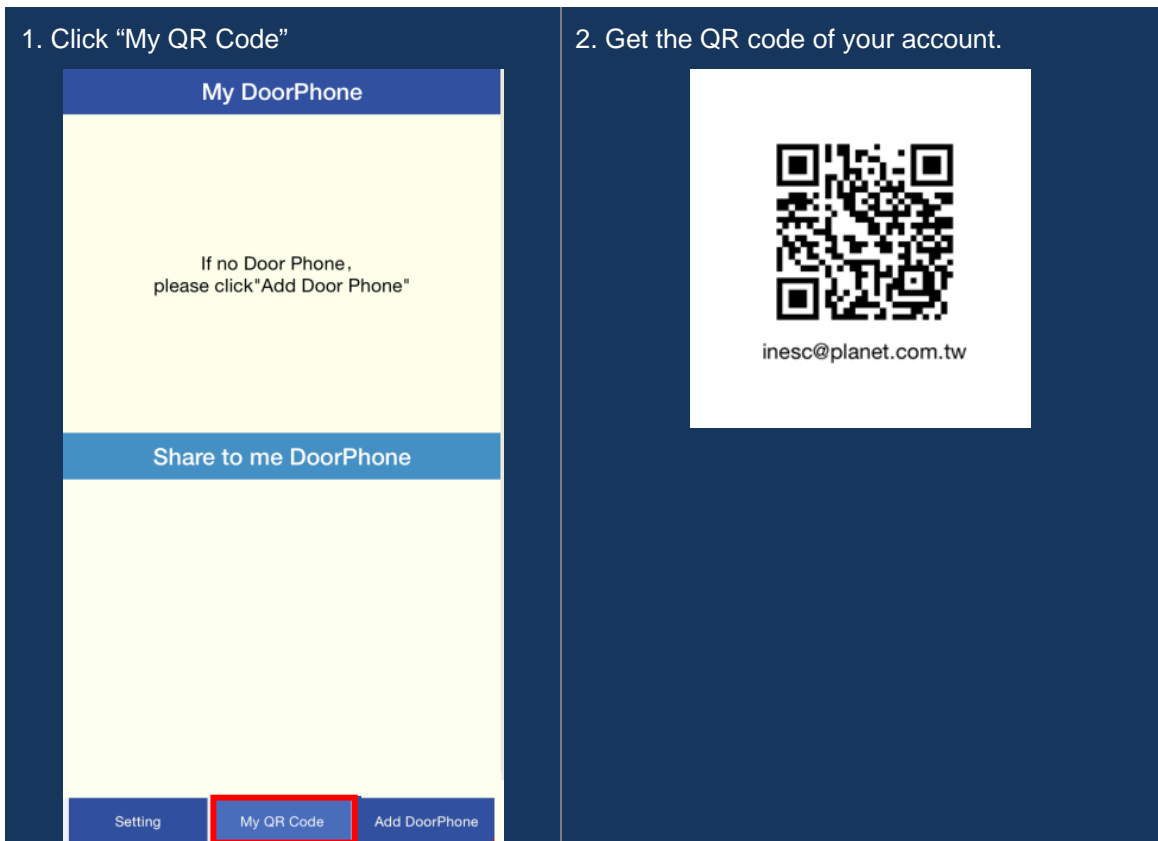
d. Add by "input account to share".





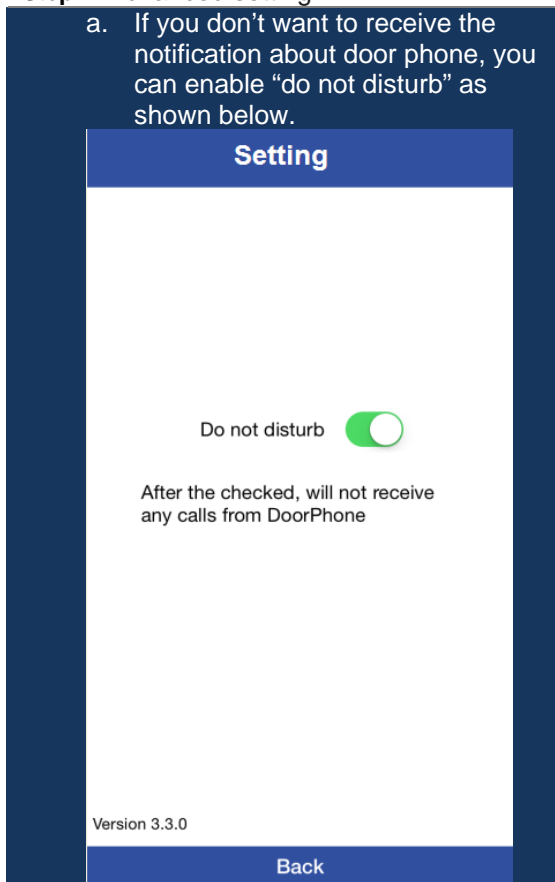
 Note

If you want to add sharer by scan QR code, you can click "My QR Code" to get the QR code of your account.



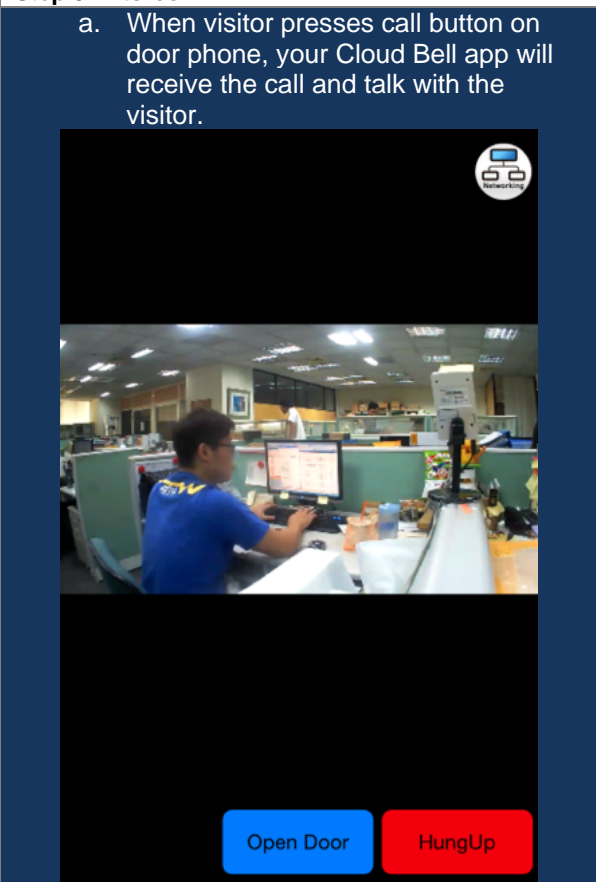
**Step 4. Advanced setting.**

- a. If you don't want to receive the notification about door phone, you can enable "do not disturb" as shown below.



**Step 5. Intercom.**

- a. When visitor presses call button on door phone, your Cloud Bell app will receive the call and talk with the visitor.



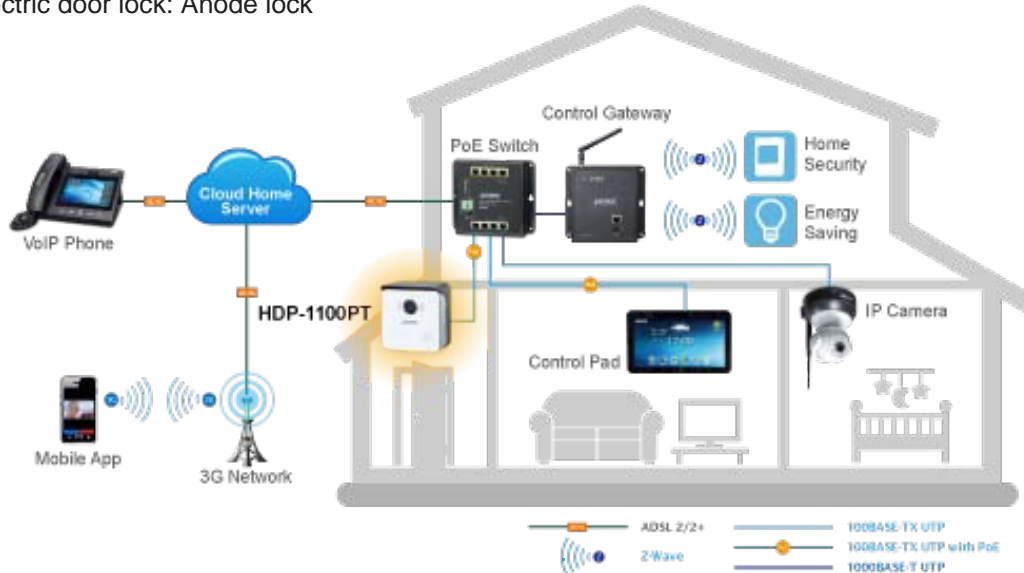
## Appendix C: Open Door by VoIP Phone

How to open door via IP phone.

Door phone: HDP-1100PT

IP phone & IP PBX: Example on **PLANET PoE Video Phone - ICF-1800** and **PLANET PoE PBX - IPX-330**

Electric door lock: Anode lock



**Step 1.** Register HDP-1100PT and ICF-1800 to **IP PBX**.

- a. **802** is for HDP-1100PT and **800** is for ICF-1800. Remember to enable video call.

General			
SIP:	<input checked="" type="checkbox"/>	IAX2:	<input type="checkbox"/>
Name:	802	Extension:	802
Password:	802802	Outbound CID:	
DialPlan:	DialPlan1	Analog Phone:	None
Voicemail			
Enable:	<input checked="" type="checkbox"/>	Password:	1234
Delete VMail:	<input type="checkbox"/>	Email(Fax/Voicemail):	
Other Options			
Web Manager:	<input checked="" type="checkbox"/>	Agent:	<input type="checkbox"/>
Allow Being Spied:	<input type="checkbox"/>	Call Waiting:	<input type="checkbox"/>
Mobility Extension:	<input type="checkbox"/>	Pickup Group:	1
		Mobility Extension Number:	
VoIP Settings			
NAT:	<input checked="" type="checkbox"/>	Transport:	UDP
DTMF Mode:	RFC2833	S RTP:	<input type="checkbox"/>
		Permit IP:	
Video Options			
Video Call:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> H.261	<input checked="" type="checkbox"/> H.263
		<input checked="" type="checkbox"/> H.263+	<input checked="" type="checkbox"/> H.264
Audio Codecs			
g722	→	ulaw	
g726	←	alaw	
gsm	←←	g729	
speex			
Disabled		Allowed	
		Save Cancel	

**Edit** X

**General**

SIP: <input checked="" type="checkbox"/>	IAX2: <input type="checkbox"/>
Name: <input type="text" value="800"/>	Extension: <input type="text" value="800"/>
Password: <input type="text" value="800800"/>	Outbound CID: <input type="text"/>
DialPlan: <input type="text" value="DialPlan1"/>	Analog Phone: <input type="text" value="None"/>

**Voicemail**

Enable: <input checked="" type="checkbox"/>	Password: <input type="text" value="1234"/>
Delete VMail: <input type="checkbox"/>	Email(Fax/Voicemail): <input type="text"/>

**Other Options**

Web Manager: <input checked="" type="checkbox"/>	Agent: <input type="checkbox"/>	Call Waiting: <input type="checkbox"/>
Allow Being Spied: <input type="checkbox"/>	Pickup Group: <input type="text" value="1"/>	
Mobility Extension: <input type="checkbox"/>	Mobility Extension Number: <input type="text"/>	

**VoIP Settings**

NAT: <input checked="" type="checkbox"/>	Transport: <input type="text" value="UDP"/>	SRTP: <input type="checkbox"/>
DTMF Mode: <input type="text" value="RFC2833"/>	Permit IP: <input type="text"/>	

**Video Options**

Video Call: <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> H.261	<input checked="" type="checkbox"/> H.263	<input checked="" type="checkbox"/> H.263+	<input checked="" type="checkbox"/> H.264
---	---	---	--	---

**Audio Codecs**

g722 g726 gsm speex	→ ← <<	ulaw alaw g729
<b>Disallowed</b>		<b>Allowed</b>
		<input type="button" value="Save"/> <input type="button" value="Cancel"/>



b. HDP-1100PT registration setting.

**Status**

**Service**

SIP

Calls

Video

RTSP Server

Web Server

**Device**

**System**

## SIP

---

**Qualia Service**  
 **Registration Enabled**

### SIP Information

Account:

Password:

Please input only 0-9, a-z, A-Z and avoid special words

### SIP Registrar

Registrar Address:

Registrar Port:

Registration Expires:  s

Dial Button:

For example:  
2001@192.168.0.254:5060

**Advanced Settings >**

c. DTMF code: 1234. This can be defined by yourself. Make sure DTMF code is the same as ICF-1800.

**Status**

**Service**

SIP

Calls

Video

RTSP Server

Web Server

**Device**

**System**

## Calls

---

### Outgoing Calls

Ring Time Limit:  s

Call Duration Limit:  s

### Door unlock key by DTMF code

d. Registration of ICF-1800.

SIP Line SIP 2

---

**Basic Settings >>**

Status Registered

Server Address 192.168.1.33

Server Port 5060

Authentication User 800

Authentication Password \*\*\*\*\*

SIP User 800

Display Name 800

Enable Registration

e. DTMF code of ICF-1800.

- > BASIC
- > NETWORK
- > VoIP
- > PHONE
- > FUNCTION KEY
- > MAINTENANCE
- > SECURITY
- > LOGOUT

**Dsskey PickupNumber Global Settings**

SIP Line: SIP 1

PickUp Number  Apply

**Expansion Module Selection**

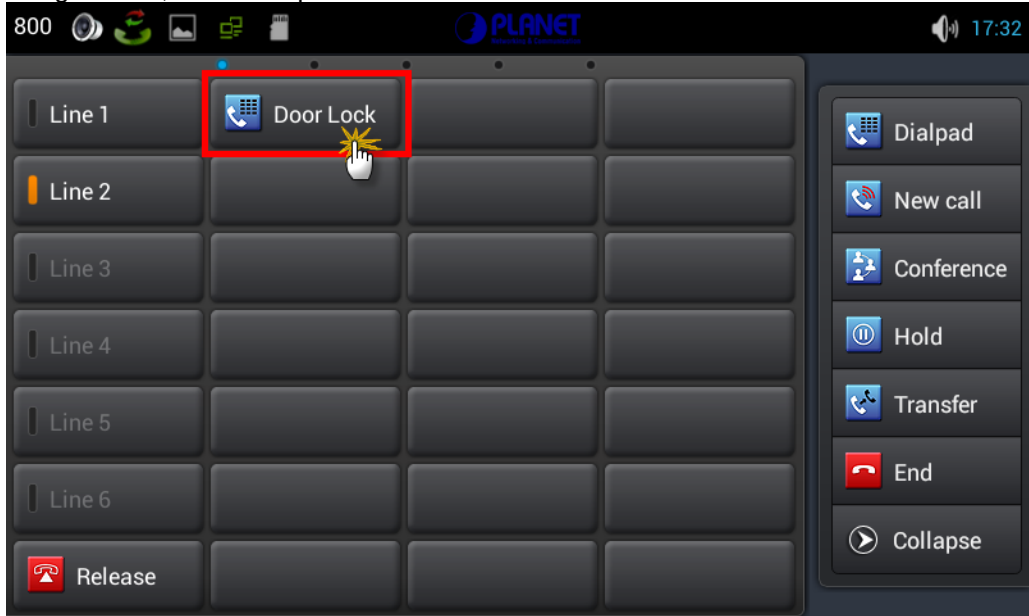
Expansion Module 1 1 Load

Key	Title	Type	Value	Line	Subtype	Media	Pickup Number
F 1		Line		SIP1	None	DEFAULT	
F 2		Line		SIP2	None	DEFAULT	
F 3		Line		SIP3	None	DEFAULT	
F 4		Line		SIP4	None	DEFAULT	
F 5		Line		SIP5	None	DEFAULT	
F 6		Line		SIP6	None	DEFAULT	
F 7		Key Event		AUTO	Release	DEFAULT	
F 8	Door Lock	DTMF	1234	AUTO	None	DEFAULT	
F 9		Memory Key		SIP1	BLF	DEFAULT	
F 10		Memory Key		SIP1	BLF	DEFAULT	

f. ICF-1800 calls to door phone and door is locked.



- g. During the call, ICD-1800 presses DTMF button to unlock the electric deadbolt lock.



## Appendix D: Troubleshooting & Frequently Asked Questions

Feature	
Can HDP-1100PT connect to internet via wireless?	No, door phone cannot connect to internet via wireless.
Can HDP-1100PT be used outdoors?	No, it is only for indoor use.
Network Settings	
The network cabling is required for the device.	The device uses RJ45 cable allowing 10 and/or 100 BASE-T networking with POE.
The device will be installed and work if a firewall exists on the network.	If a firewall exists on the network, port 80 is opened for ordinary data communication. The HTTP port needs to be opened on the firewall or NAT router.
The username and password for the first time or after factory default reset	Username = <b>admin</b> and Password = <b>admin</b> . Note that it's all case sensitivity.
Forgot the username and password	Follow the steps below: (1) Within 5 seconds after the adapter is connected to the door phone, press and hold the call button on the door phone for 40 seconds. Release it after the LED flashes 5 times, at which time the reset has been successfully done. (2) It will take around 30 seconds to reboot the door phone. (3) Re-login the door phone using the default IP ( <a href="http://192.168.0.20">http://192.168.0.20</a> ), and username ( <b>admin</b> ) and password ( <b>admin</b> ).
Forgot the IP address of the device.	Check IP address of device by using the Smart discovery program or by UPnP discovery or set the device to default by the reset button.
Smart discovery program cannot find the device.	<ul style="list-style-type: none"> <li>● Re-power the device if the unit cannot be found within 1 minute.</li> <li>● Check whether the RJ45 cable is ready to connect switch or router.</li> <li>● If you choose PPPoE for the connection type, please be sure your PPPoE is with static IP. Due to the IP of door phone that needs to be set in the control pad, if door phone is dynamic IP and when IP is changed, control pad would not communicate with door phone anymore. And it is the same with DHCP.</li> </ul>
Internet Explorer does not seem to work well with the device	Google Chrome 44.0 or later version is recommended for this device.