

IP Outdoor User Manual

INSTRUCTION

IP Video Door Phone system is a full-featured IP based door entry system that allows you to monitor and interact with visitors at your door, from anywhere your mobile device has a WiFi or data connection.

Please read these instructions carefully and follow all of the required steps during setup to ensure your enjoyment of a fully functional system. You may connect the IP Outdoor to your LAN (Local Area Network) either through a Wireless (WiFi) connection or a Wired (Ethernet Cable) connection. As connecting with any video and audio streaming device, wired connections are preferred over WiFi. But you can also install and connect devices with WiFi if it's much more stable and smooth in your environment.

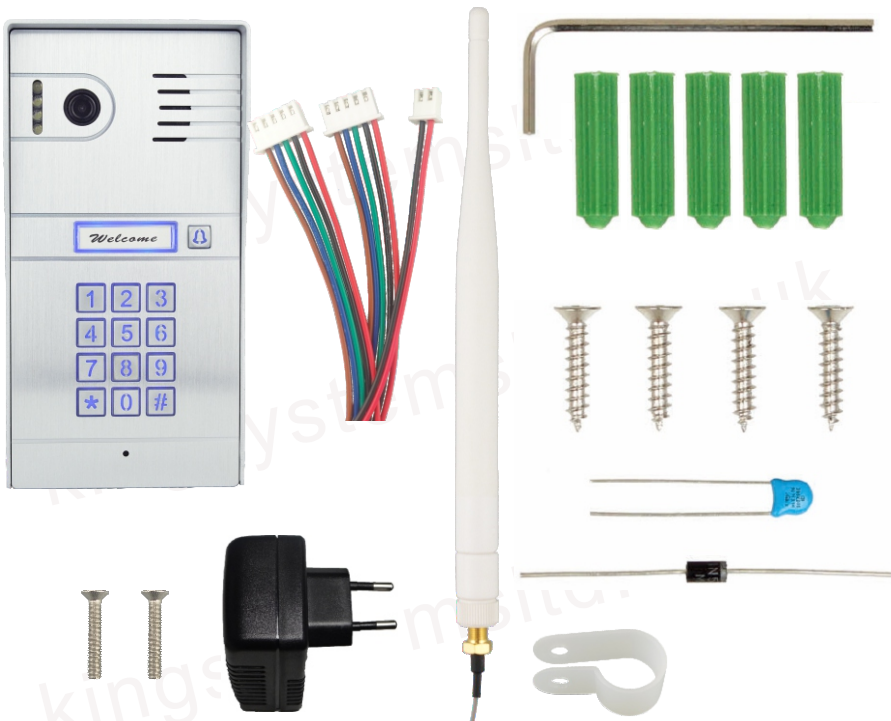


Note:

- 1.The System only works with 2.4GHz WiFi, $\geq 2\text{Mbps}$ (upload / download speed) are suggested.
- 2.The System is incompatible with 5GHz WiFi.

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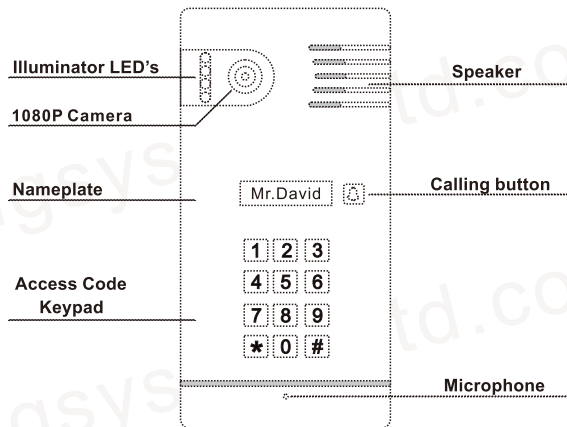
PACKAGE CONTENTS

- (1) IP Outdoor
- (1) Accessories bag (Varistor, Plastic wall plug, Screws with Anchors, Hex-Head Screws, Allen Key, etc.)
- (1) Metal Rain Cover or Back Box
- (1) External WiFi Antenna
- (1) 12VDC Power Supply
- (1) User Manual

2. IP Outdoor

2. 1 Product View

keypad version



2. 2 Specification

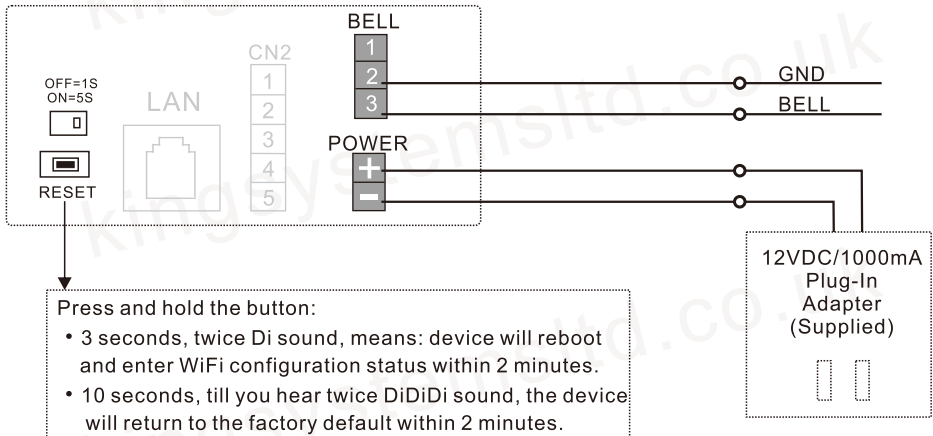
Material	Aluminum alloy
Camera	1080P
View angle	110°
Working voltage/current	DC 12V, 1000mA
Working temp.	-25℃~65℃
Illumination	0.1 Lux
Dust/water proof rating	IP65
Installation	Surface mounted
Dimention	110.6(W)*213(H)*346(D)(mm)
Connectivity	WiFi + Ethernet Connection
Transmission Frequency	2.4GHz
Motion Detection	Supported
History events playback	APP(iOS & Android) + IP Monitor

2. IP Outdoor

2. 3 Wiring diagram

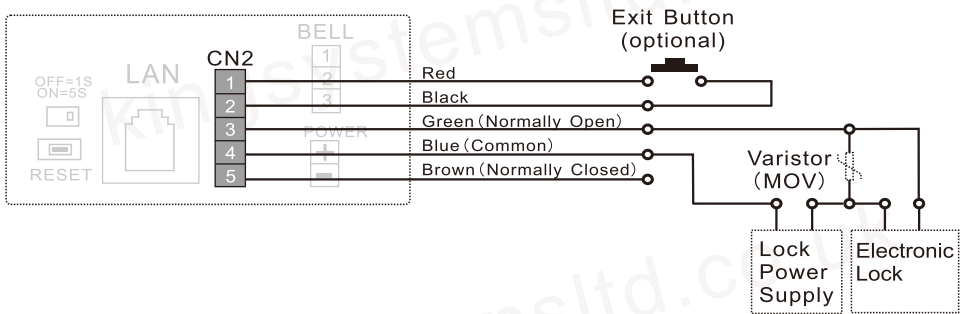
Connection of BELL / POWER

Wiring Diagram for Power Supply Connections and Connection to Existing Door Chime (Optional)



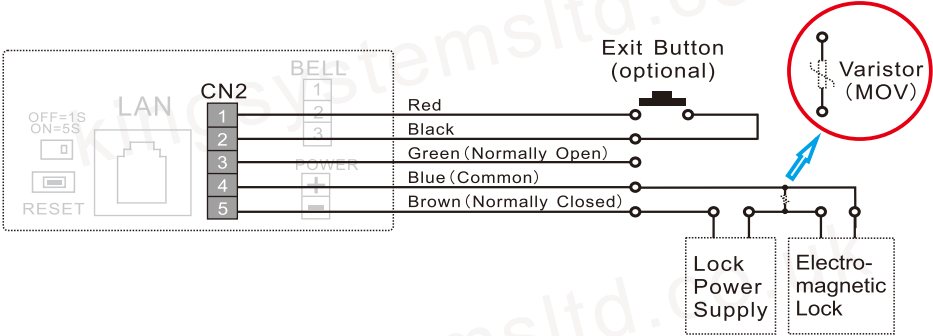
Lock and bell relays are rated maximum 4 Amps, 30VDC

Wiring Diagram for Normally Open Circuit
(e.g. Electronic Door Strike or Deadbolt)



Lock and bell relays are rated maximum 4 Amps, 30VDC

Wiring Diagram for Normally Closed Circuit
(e.g. Electromagnetic Lock)



Lock and bell relays are rated maximum 4 Amps, 30VDC

3. App Configuration Preparation

3.1 Preparation of smartphones / tablets and network

- Make sure your device is operating with sufficient internet bandwidth, 2Mbps (upload / download speed) are suggested.
- For best performance, the smart device(s) need to be on WiFi / 4G mobile network. Actual performance depends on the working internet environment.
- If you have limited internet bandwidth, try to avoid more than two users(including App users) operating / viewing to IP Outdoor / IP Camera simultaneously for best performance.
- For the 1st time configuration, please make sure the smart devices / IP Outdoor are all under the same WiFi Network.
- Turn off the Cellular data or any running VPN services on your smart devices.
- Enable the Location (GPS) services of your phone.

3.2 Preparation of the IP Outdoor

Note: Read all below tips first before you do any operation.

- **Supply power on IP Outdoor** with the adapter(12V,1A), a BiBi sound will be heard, the boot up process(1~2 minutes) begins, the IP Outdoor's LEDs flash 3 times, when you hear a 'wuan' sound, the boot up process is completed.
- **Connect IP Outdoor to your router** with ethernet cable (suggested), **or connect Antenna** (come with KIT) with IP Outdoor.
- **Performing factory default reset** by pressing and holding 'RESET' button on the back of the device for 10 seconds, until you hear twice DiDiDi sound (NOT Di sound), then release the button. Wait for the boot up process of the device for 1~2 minutes. IP Outdoor's LEDs flash 3 times, a 'wuan' sound will be heard after boot up process / default setting completed, then, you can begin your configuration.

Note: Please make sure that the boot up process of the device is completed before you do any operation on APP or device, otherwise, it cannot work properly.

3. App Configuration Preparation

3.3 Download APP and register an account

- **Download the App**

1. Before configuration, please download the 'DoorDeer' App.
Free downloads are available on the Google Play Store (Android) and the Apple App Store (iOS)

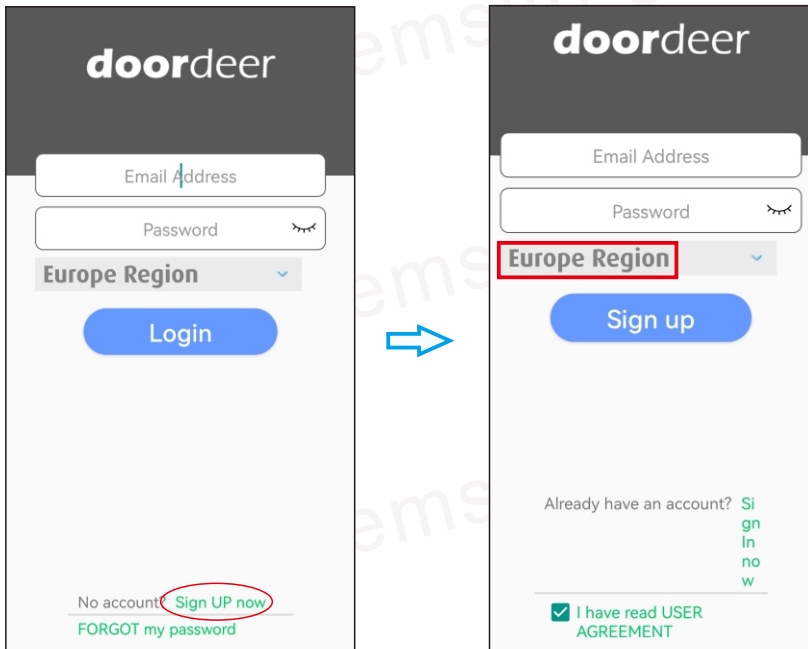


2. Complete the installation of the App on your smart phone / tablet.
 - The DoorDeer App is free to download and use.
 - Please keep the DoorDeer App updated to the latest version.
 - The App is subject to change without notice.

3. App Configuration Preparation

- **Setup and Log in with a New User Account**

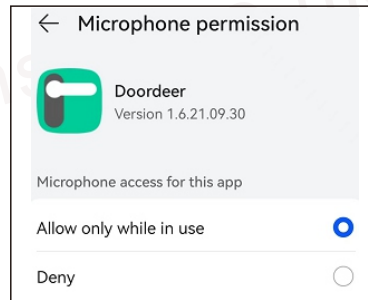
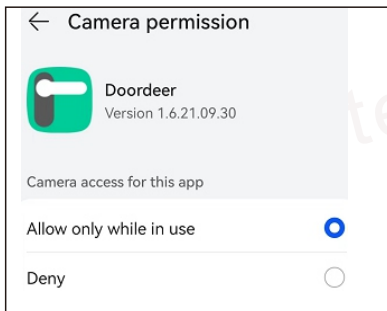
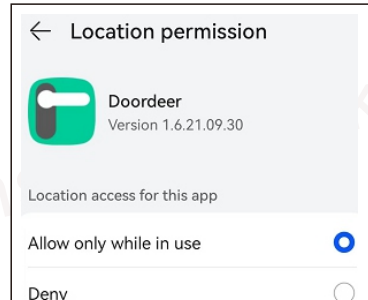
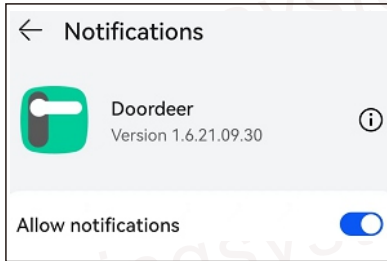
1. Double check your smart phone is connected to the local WiFi network, which you want your IP Outdoor to be connected.
2. Open the DoorDeer App.
3. Click the 'Sign up' button.
4. Choose the nearby server region.
5. Enter your email address as your account.
6. Create a new password.
7. Confirm your new password.
8. Read and click the terms and conditions to agree.
9. Press the 'Sign up' button and a pop-up message will appear, click 'ok'.
10. You'll be redirected to Login screen, please log in with your new account and password.



3. App Configuration Preparation

3.4 Before configuration please set the authorizations needed:

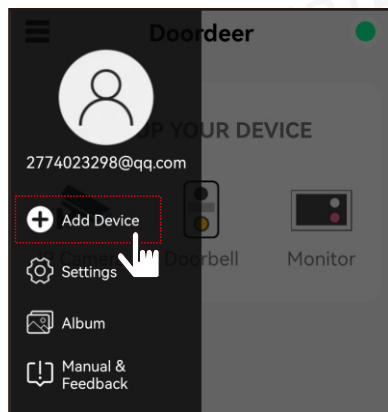
- Notifications --- switch on 'Allow notifications'
- Location --- switch on 'Allow only while in use'
- Camera / Microphone --- switch on 'Allow only while in use'



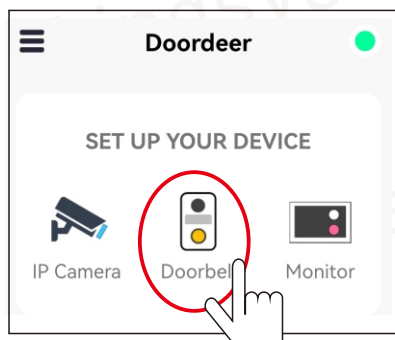
4. DoorDeer App

4.1 IP Outdoor Configuration (by WiFi)

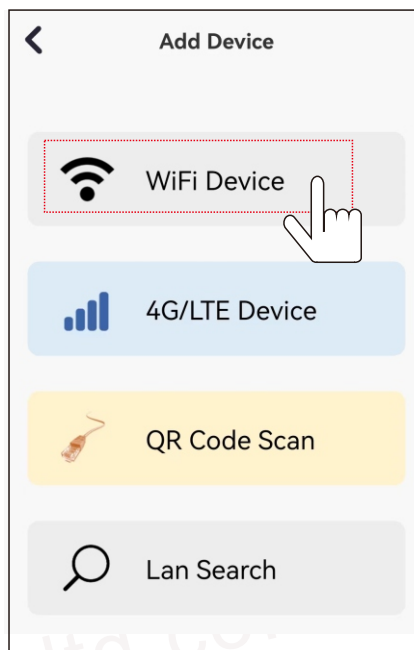
- Click  on the left Column, Click  Add device to add your IP Outdoor. If this is the first device you add on DoorDeer App, you also can tag 'doorbell' icon to add as step 1



or

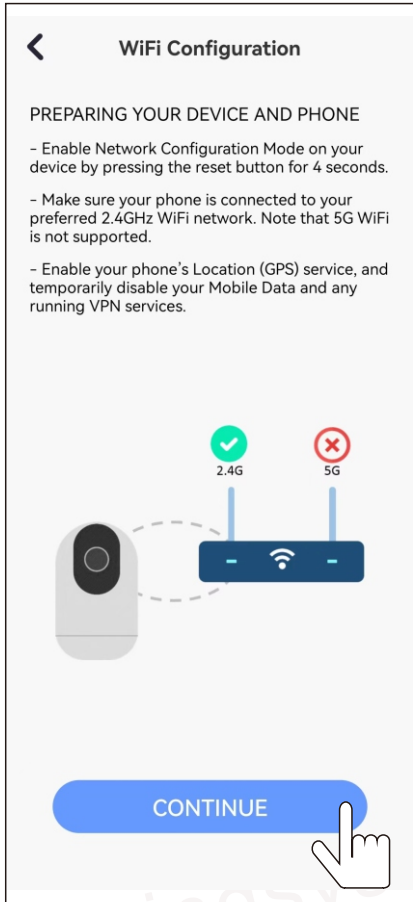


Step 1

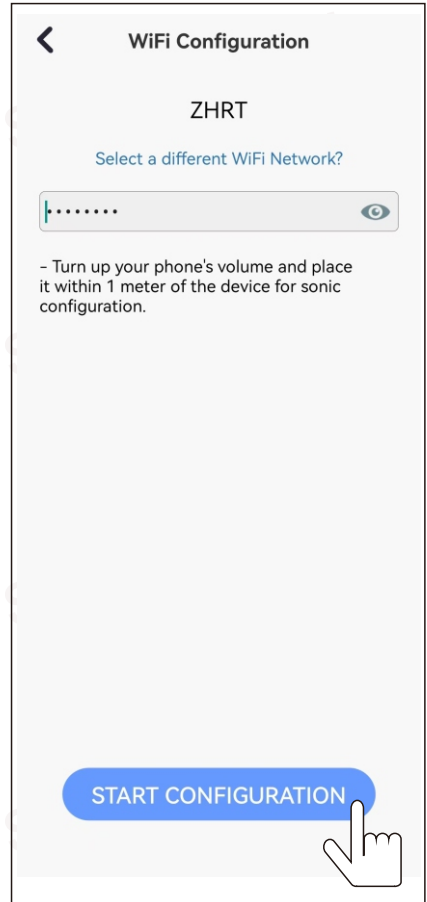


Step 2

4. DoorDeer App



Step 3

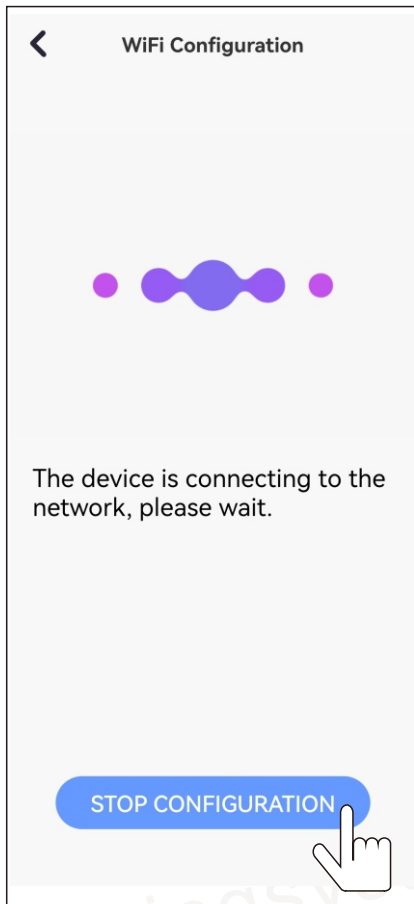


Step 4

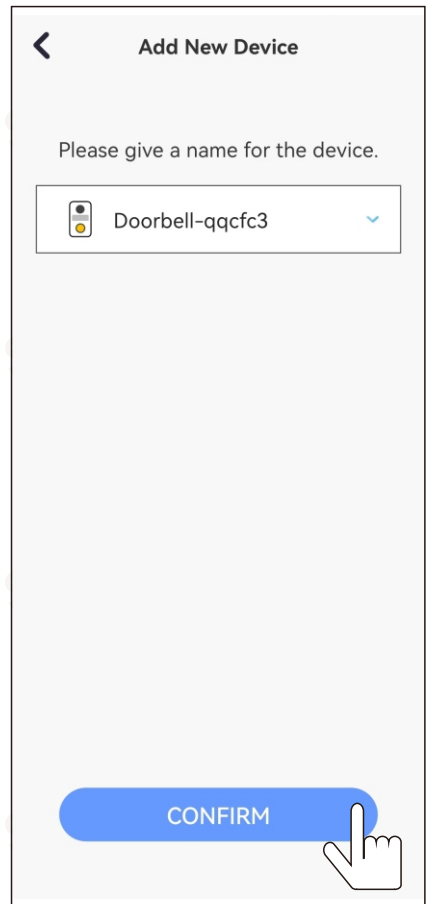
Connect the IP Outdoor to local WiFi account

Note: In the iOS system, please connect the local WiFi separately.

4. DoorDeer App



Step 5



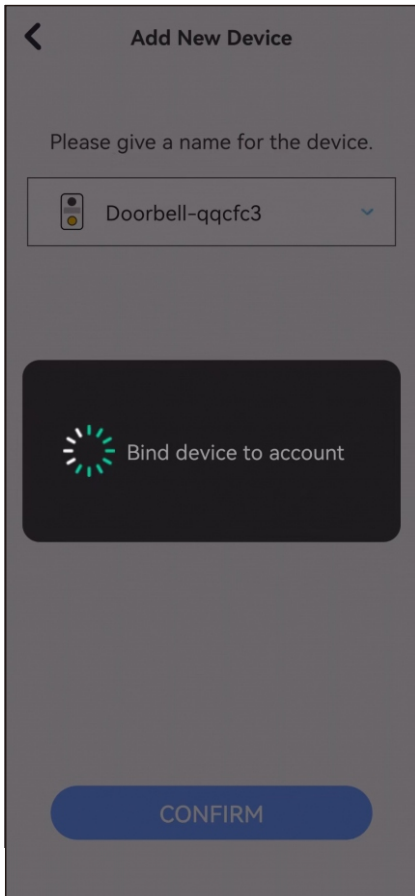
Step 6

Rename it and click 'CONFIRM'

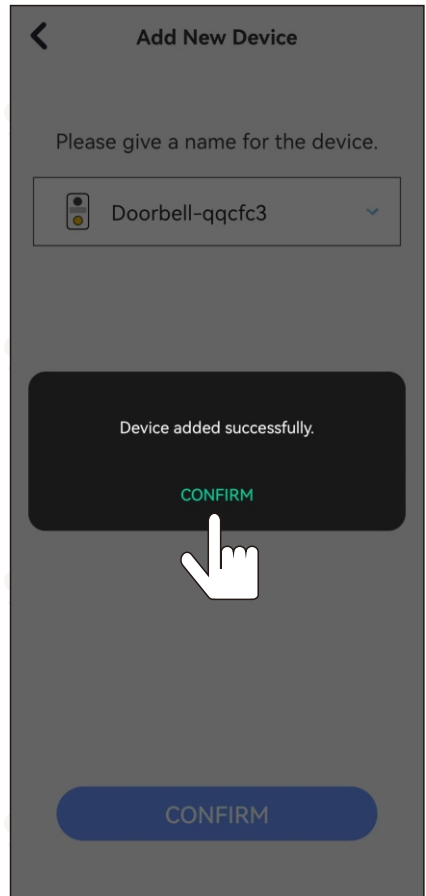
Note:

After click 'START CONFIGURATION', you will hear the wave sound, please set phone's volume to max. and put its speaker closer to the microphone of the IP Outdoor.

4. DoorDeer App



Step 7



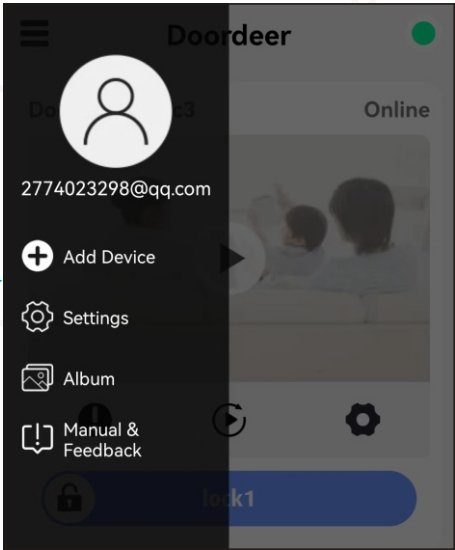
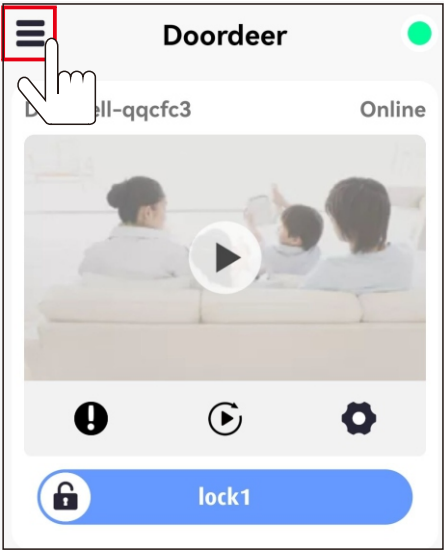
Step 8

Click 'CONFIRM' to complete the configuration





4. DoorDeer App

4.2 APP Account Settings

Android Version

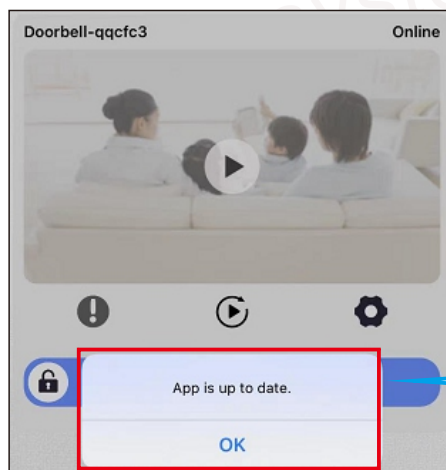
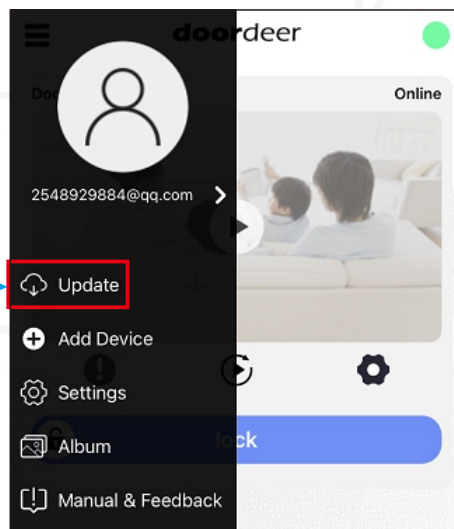
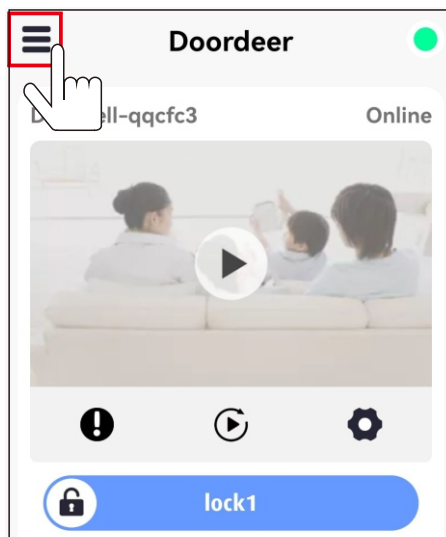



- Click  on the left Column, a Setting Menu pop up and each setting is listed in below table.

	<ul style="list-style-type: none">• WiFi Device• 4G/LTE Device• QR Code Scan• Lan Search
	<ul style="list-style-type: none">• View in Full Screen• Intercom Full Duplex (No this setting in iOS version)• Ringtone Settings• AP mode WiFi settings• Clean cache• Notification Settings (No this setting in iOS version)
	Check and save photos and videos you took
	Manual & Feedback

4. DoorDeer App

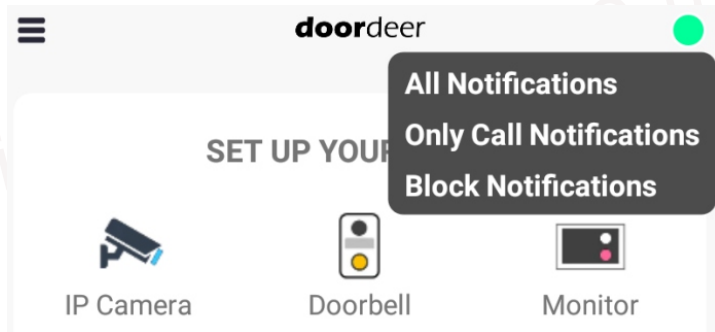
iOS Version






Click  button, the APP will automatically detect whether the existing version has been updated to the latest version, if so, it will display this prompt.

4. DoorDeer App

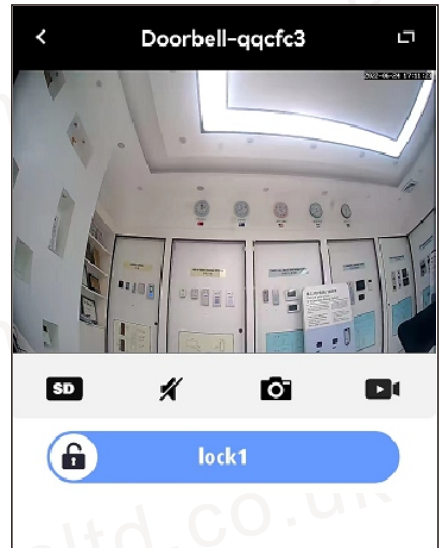
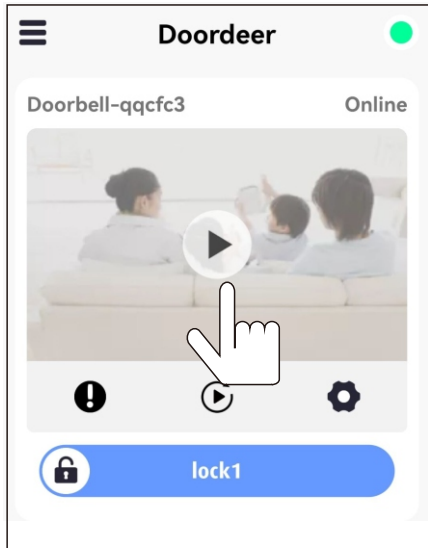
4.3 Notification Settings



-  (Green) Allow all notifications
-  (Yellow) Only Doorbell notifications,
no motion detection notification etc.
-  (Red) Block all notifications,
cannot receive any notifications.

4. DoorDeer App

4.4 Monitoring

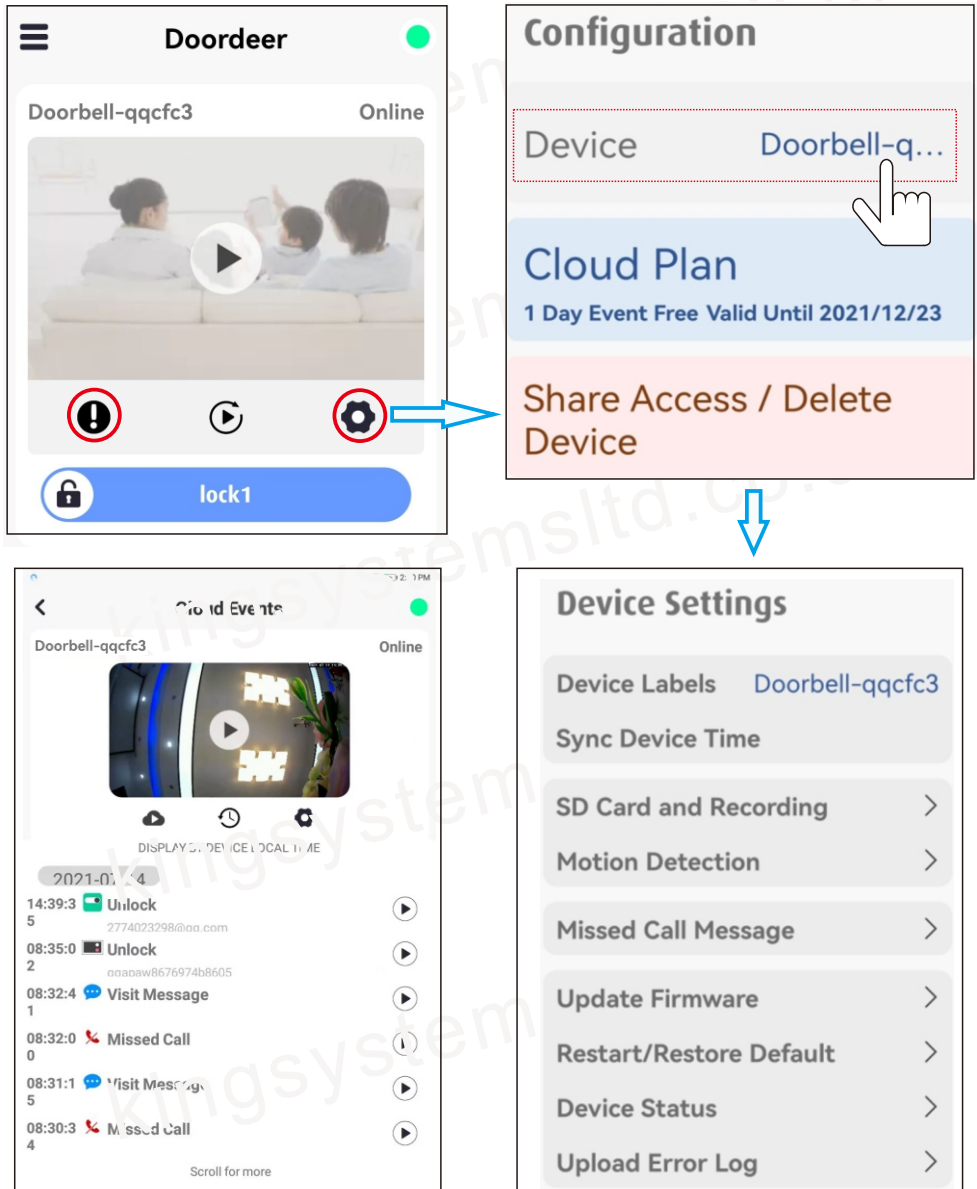


Click '▶' button to view the outdoor
Click '🎤' button to talk
Slide '🔒' button to unlock

4. DoorDeer App

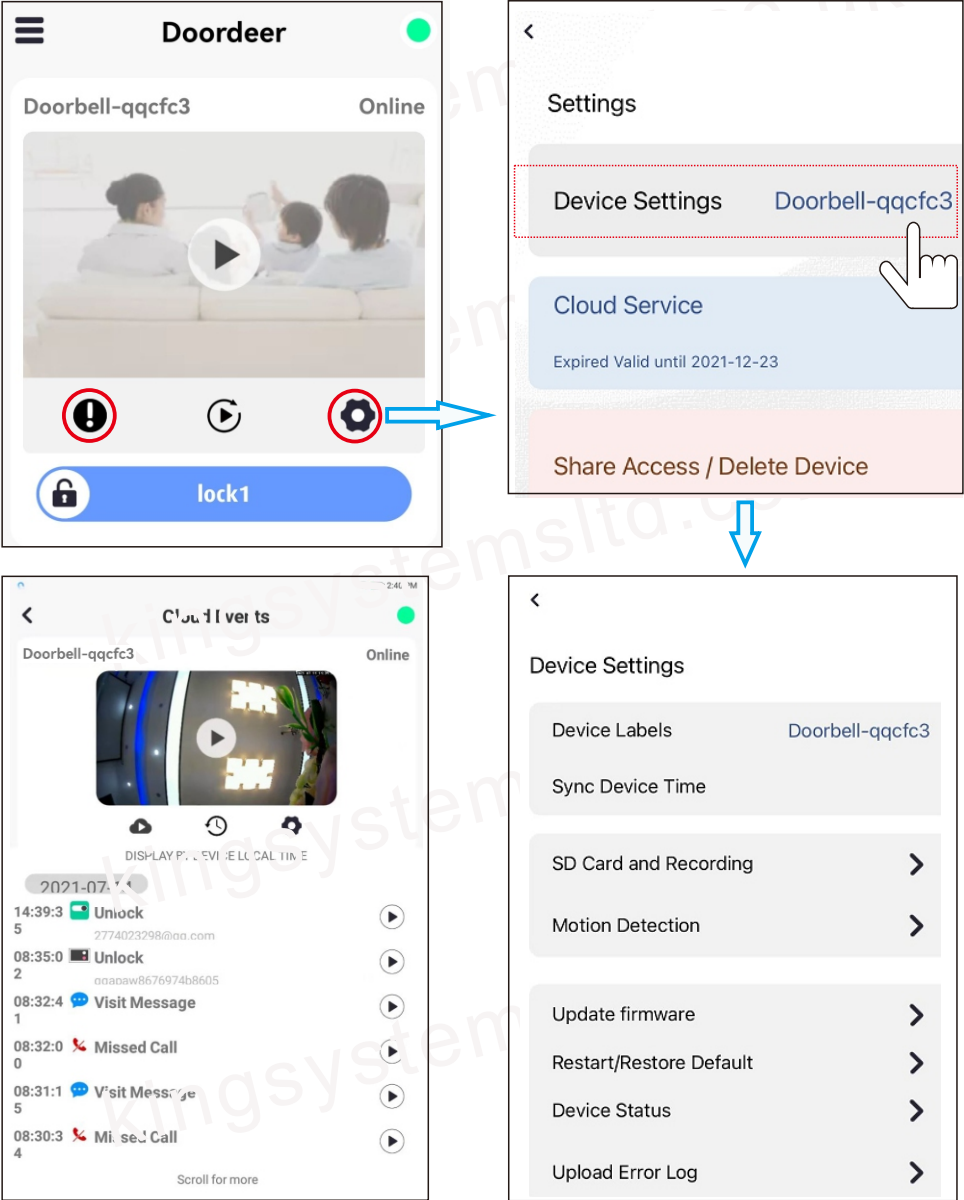
4.5 IP Device Settings

4.5.1 Master-account in Android System



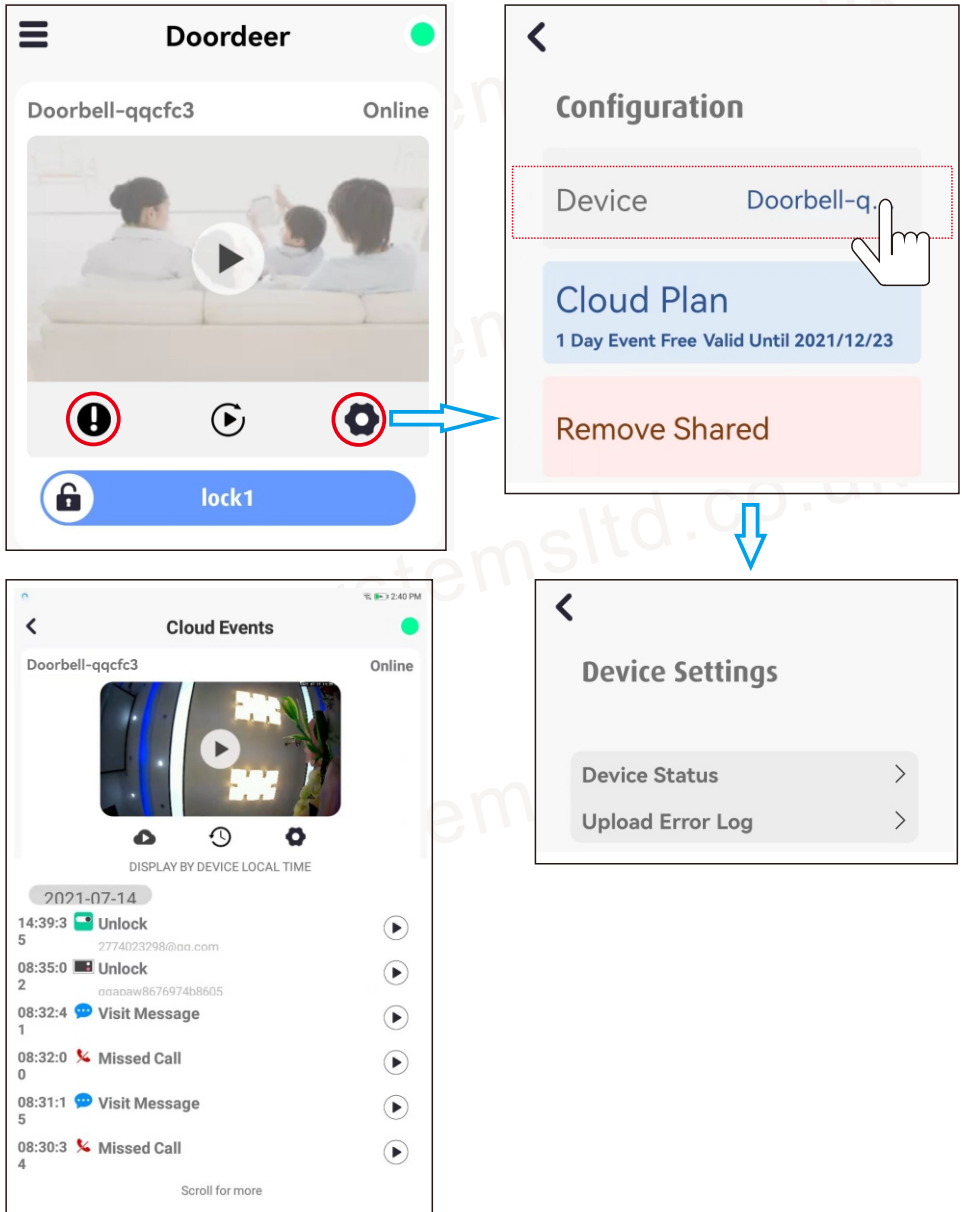
4. DoorDeer App

4.5.2 Master-account in iOS System



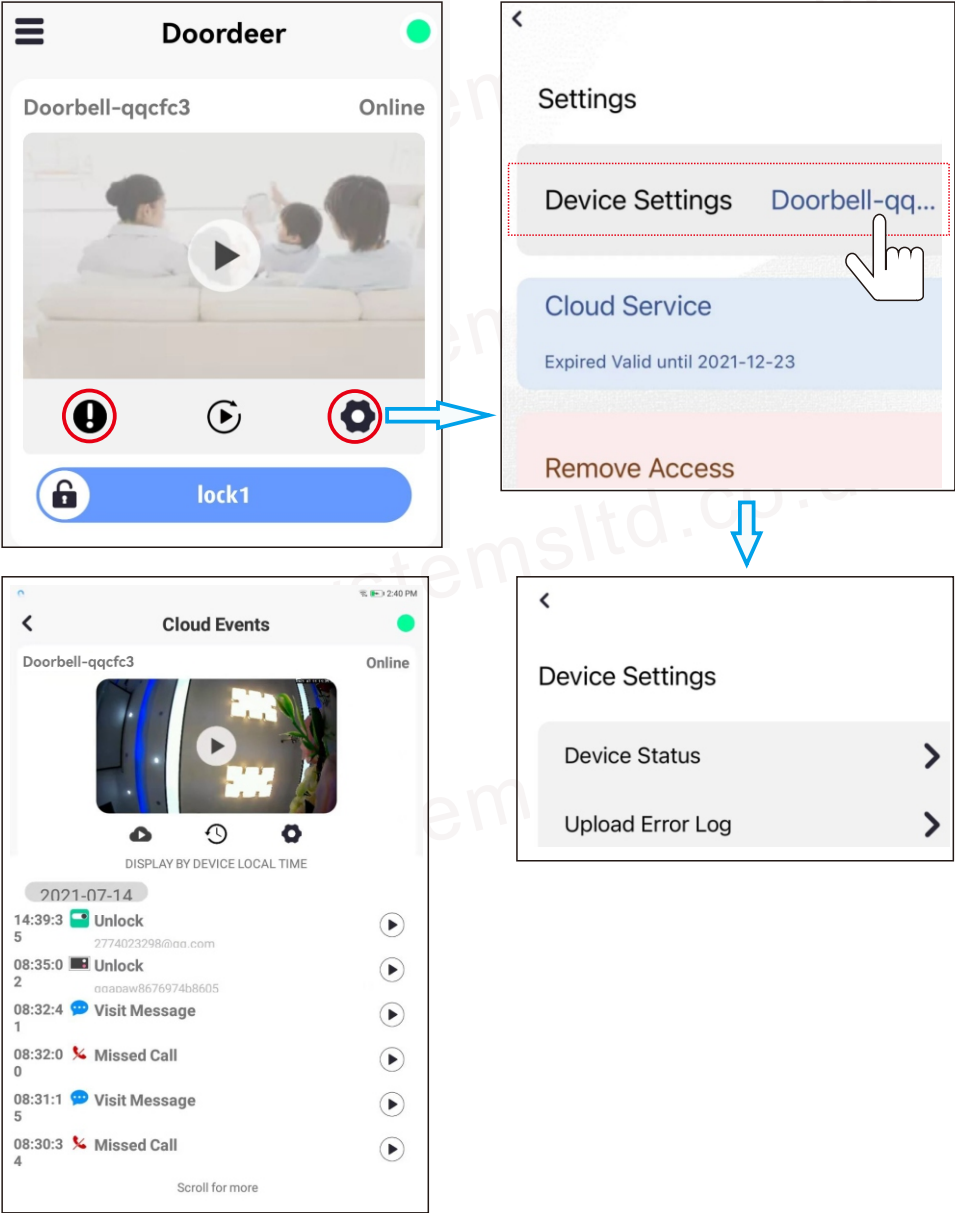
4. DoorDeer App

4.5.3 Sub-account in Android System














4. DoorDeer App

4.5.4 Sub-account in iOS System



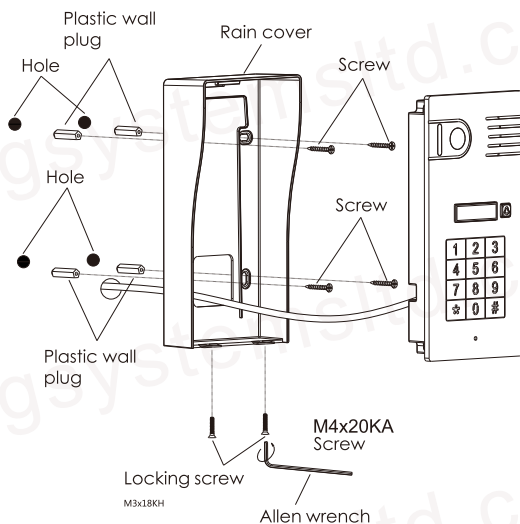
4. DoorDeer App

4.6 App icon's description

Icon	Description	Icon	Description
	View live video, monitoring		Tag to Capture
	Slide to the right to unlock		Tag to take video record
	Motion detection video playback entry (if micro SD card -class 10, max.32G had inserted in device)	 	Audio On/Off on Outdoor ON / OFF
	Delete Device	 	Tap to talk(iOS); Hold to talk, release to listen(Android)
	Cloud Plan: Choose a suitable plan for your own family.		
	Share Access / Delete Device: Share a Sub-account to other people. / Remove the device from App		
	Device Labels: Rename the device.		
	Sync Device time: Sync device time with your time zone.		
	SD Card and Recording: Format your micro SD card on APP if you had inserted.		
	Motion Detection: Enable or Disable; set detection area (tap the squares to select detection area); set sensitivity (low to high).		
	Missed call Message: Leave a message to visitor.		
	Update Firmware: Do it after you have confirmed with the technician.		
	Restart / Restore Default: Restart the device. Restore default = default all settings		
	Device Status: Check device version when necessary.		
	Upload Error Log: Unload Error for problem shooting.		

5. Installation

5.1 Installation Diagram



5.2 Instruction

- Do not mount the IP Outdoor until you complete APP configuration.
- When IP Outdoor is under WiFi antenna connected, make sure the distance between IP Outdoor and the Router not over 50 meters (164 fts); if one wall blocked, the distance should less than 30 meters (98 fts).
- Install the IP Outdoor where it can receive excellent WiFi signals.
- Under weak WiFi signal environment, install IP Outdoor by using Ethernet cable.

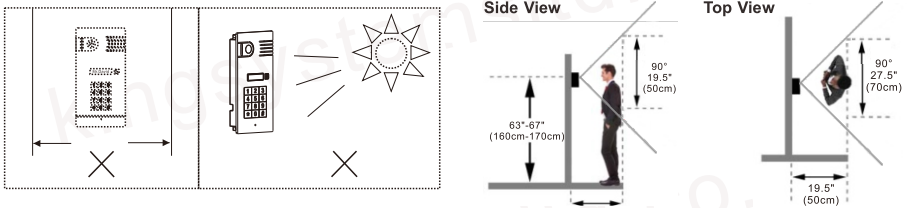
5. Installation

5.3 Notes in installation process

- **Location:**

Choose a location for IP Outdoor, taking into consideration of sightliness, shadows, and excessive back - ground lighting for the IP Outdoor. You must also consider proximity to AC power and the ability to run wiring for additional optional accessories.

Consider drilling a 1¼" diameter or larger hole into the wall behind the IP Outdoor for the concealment of the WiFi antenna (if used) within the wall.



Notes:

1. The proper height of IP Outdoor is between 63"-67" (160-170cm) from the ground and this may vary on each installation. View range should be actively tested before completing the installation.
2. Viewing window of the camera is about 19.5" (50cm) vertically and 27.5" (70cm) horizontally.
3. Narrow space may cause echo.
4. Direct sunshine can cause blurry or ghost.

5. Installation

- **Back Box Mounting**

Feed the power supply wiring, wiring harness(s), and the WiFi Antenna cable or the RJ45 cable through the hole from the back side of the back box. Use the four screws (and anchors, if required) supplied to mount the back box to the wall in the desired location.

- **Set the desired unlock duration time & wire connection**

Using the switch(1s or 5s) on the back of the IP Outdoor, and then connect the wiring harness and other connections to the back of it. Gently feed excess wiring through the hole in the back box into the wall cavity, and place the device into the back box(top first).





Notes:

- * The RJ45 jack is not wired for POE.
- * Secure the IP Outdoor into the back box at the bottom leading edge using two supplied Hex-Head screws and Allen key.

6. Main Functions

6.1 Intercom & Monitor & Unlock the door

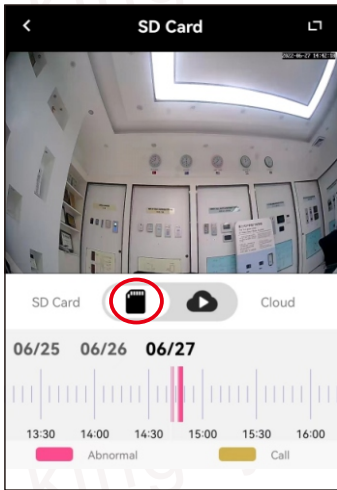
- **Intercom & Unlock**

	Visitor presses calling button on the IP Device
	User's phone will receive pop-up messages with tones, click Answer button to answer the call, or hang up button to ignore the call.
	Click or hold to speak (Android half duplex need to hold to speak).
	Hold the button and slide the button to unlock.

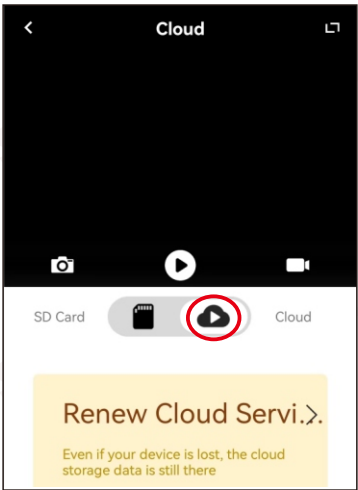
- **Monitor from APP**

Click  to view live video, monitor IP Outdoor, capture or record if you need.

6.2 Check history events and play back



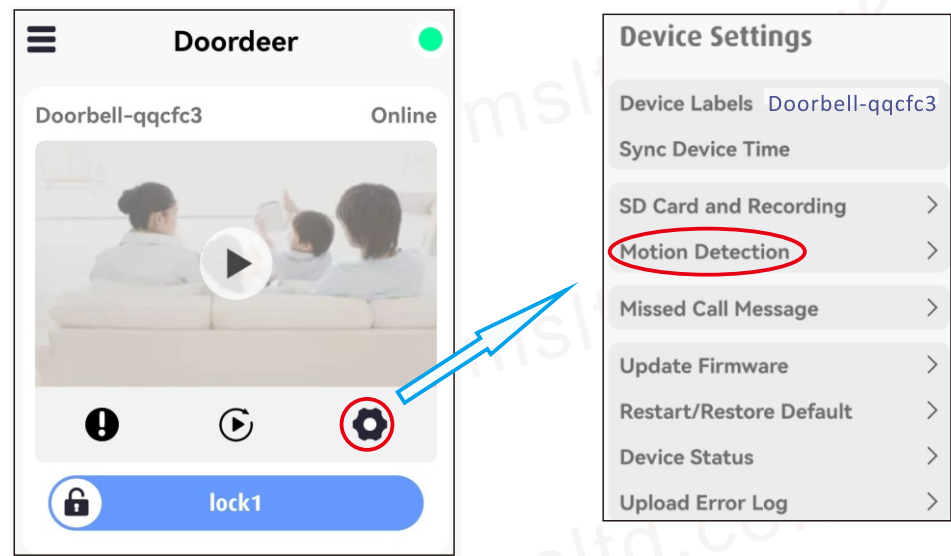
Events in SD Card



Events in Cloud

6. Main Functions

6.3 Motion Detection Settings



Click ⚙️ into the setting menu

Click sub-menu
Motion Detection

6. Main Functions

<

✓

Motion Detection

Enable Motion Detection

Detection Areas

>

SENSITIVITY

low average sensitive high

DETECTION SCHEDULE

00:00 - 23:59

S

M

T

W

T

F

S

✕

Add A Rule

Enable / Disable Motion Detection

Slide to set Detection Area, from low to high

Set Detection Schedule

<

✓

Add A Rule

SPECIFIC DAYS

S

M

T

W

T

F

S

SPECIFIC TIME PERIOD

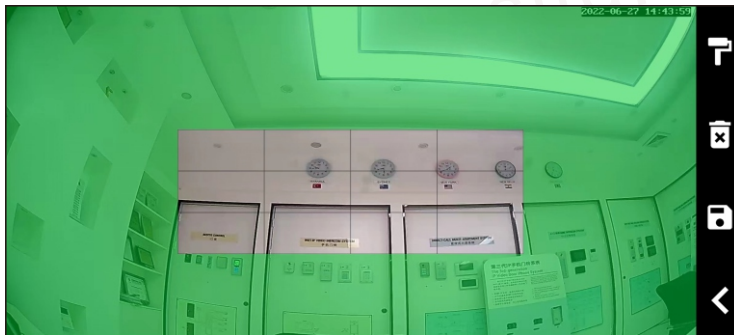
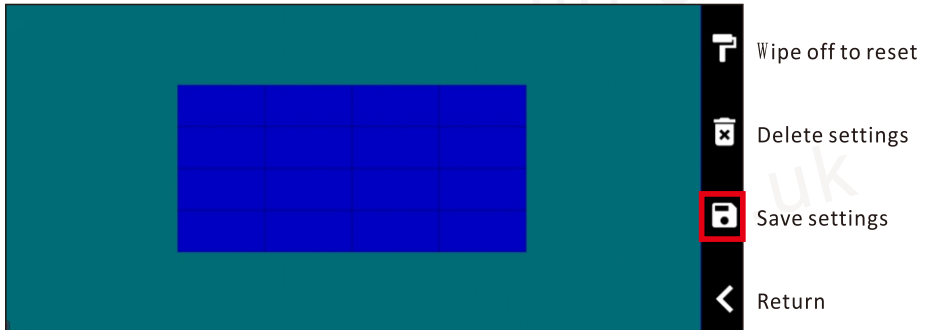
00:00 - 23:59

Add Time Period

22	58		22	58
23	59	TO	23	59
0	0		0	0
Confirm				

6. Main Functions

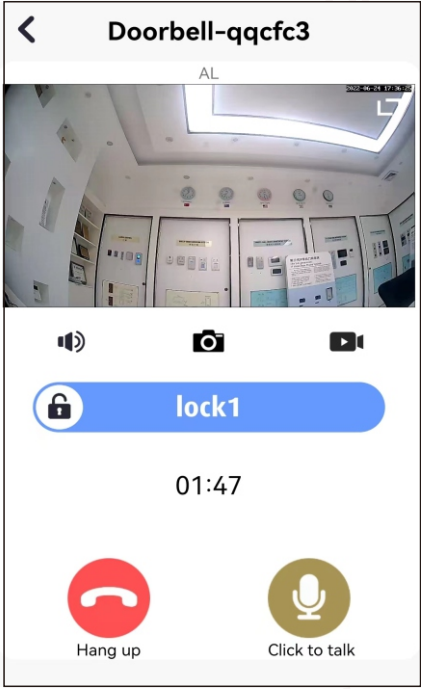
- Select the detection area by clicking the small squares (it will turn to blue colour) and the default area is all the areas camera reached.



Detective Area

6. Main Functions

• Trigger Motion Detection



Click 'View' to view
Click 'Close' to quit

Click 'Click to talk' to talk
Click 'Hang up' to quit

6. Main Functions

6.4 IP Outdoor with Standalone keypad

The default programming password is 1234 (system setting code), in the programming mode, 40 groups of 4-digit password can be set to unlock the door lock.

• Modify the Programming Code

1. Power off, press * and keep holding, switch on the power. After 3 seconds, DiDiDi is heard...release * button.
2. Enter 4 digits as new programming password, a long Di sound is heard, it means success. (2-6 digits is allowed, the length is the same as the length of original code)
3. Press * to exit.

• Enter the programming Mode

1. Press * (a Di sound is heard), enter 4 digits programming password (2-6 digits is allowed, default programming code is 1234). After a long Di sound, it means enter the programming mode.
2. It will exit the programming mode within 30 seconds without any operations (DiDiDiDi sound means exit).
3. Press * to exit.

• Set the Unlock Delay Time

Set on the back of device switch, 1 second or 5 seconds delay time for option.

Note: Factory default unlock delay is 1 second.

• Add User Access Codes

The IP Outdoor supports maximum 40 unique access codes.

1. Enter programming mode (*1234), a long Di sound is heard.
2. Enter 2 digits position from 01-40, a long Di sound is heard.
3. Press 4 digits password (2-6 digits), after a long Di sound, means add successfully.
Eg. press 8888, then 8888 is your access code.
4. Press * to exit.

Note:

Each keypad of the IP Outdoor has 40 positions (01-40), each position allow one password. Position 31-40 cannot be set as unlock delay, because they are used for dry contact lock (Normal Open / Normal Close).

6. Main Functions

• Relay Toggle Function

User slot numbers 31- 40 are reserved for a relay 'toggle' function. Users which are assigned these slot numbers authenticate with their PIN. The door will be unlocked after 1st time code pressed the second time, then the code entered, the door will re-lock. The door will then alternatively lock and re-lock, lock and re-lock, etc every time after the same code is entered.

• Delete User Access Codes

The following steps explain how to individually delete access codes.

1. Enter the programming mode (default * 1 2 3 4).
2. Press the # key - you will hear a long Di sound again.
3. Enter the user code that you wish to delete. For example; 1981. Or you can enter the one user code that you wish to delete, press 2 digits position from 01- 40 a long Di sound, press # . Another Di sound heard again and it means delete successfully.
4. Press the * key to exit programming mode.

• Set the Length of User Access Codes

1. Enter programming mode (*1234), a long Di sound is heard.
2. Press 99, a long Di sound is heard, then enter digits from 2-6 , a long Di sound is heard again, means set successfully.
3. Press * to exit.

Note:

After change length of password, all passwords were cleared out. For example, the length of password set as 3 digits, then programming password will be 123.

• Delete All User Settings

1. Enter programming mode.
2. Press the # key, a DiDi sound is heard.
3. Press the # key again - a long Di- will be heard.
4. Press the # key 7 times - after 3 seconds you will hear the long Di- again.
5. Then all the user codes will be deleted and unlock time will be default.
6. Press * to exit the programming mode.

Note: The settings does NOT change the programming password.

• Factory default Setting

Press and hold the RESET button on the back of the IP Outdoor for 10 seconds

Note: Please do not do this settings unless it is very necessary.

7. Q&A

A. Why no push notification be seen when someone calls me ?

Please check the network of the IP Outdoor and make sure it has connected to internet (WAN) but not just Local Area Network (LAN).

B. What's the reason an echo caused from my Android phone when I talked with the IP Outdoor ?

Some android phones have no AEC feature. To avoid echo please click on the half-duplex switch in the setting page (at Sidebar page– settings button).

C. How many days will the history video be stored Cloud ?

2 days for basic plan and 10 days for plus plan.

**D. How many smart phones can view the video at the same time ?
if the IP Monitors are added, how many IP Monitors can the system supports at the same time ?**

DoorDeer App supports max. 4 monitoring device like smart phones or IP Monitors viewing the video at the same time.

E. Why it has no any responses when I press and hold the RESET button ?

Please make sure the IP Outdoor had completed the boot up process, need to wait 1 - 2 minutes after operate restart or re-power on. It might flash 3 times and a “wuan” sound will be heard after boot up completed.