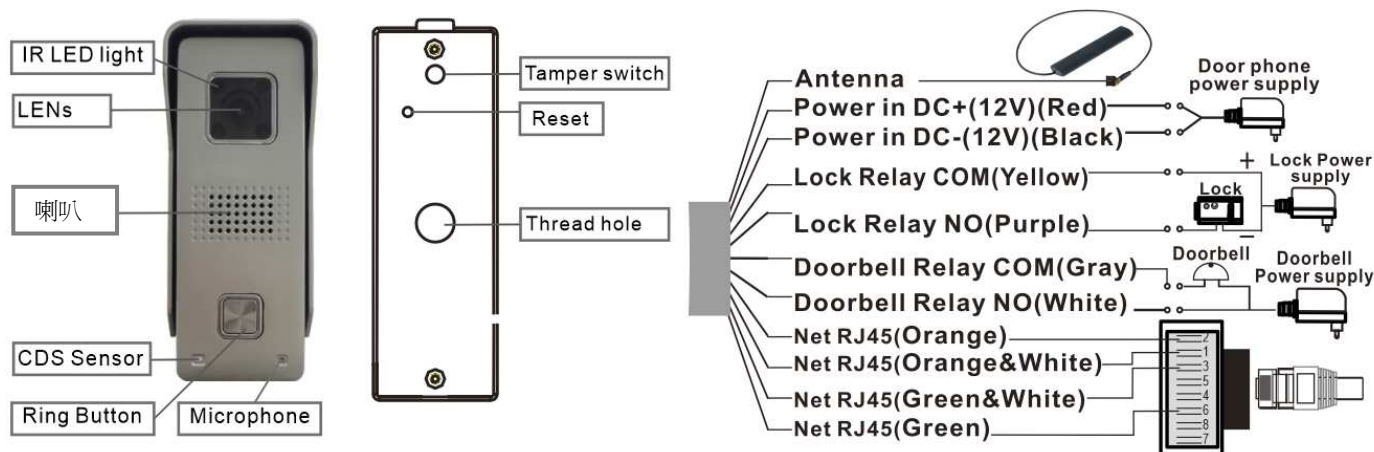


## Warning:

Before you use the device, make sure device is worked in below environment, or it can't work properly.

Support	Don't support	Solutions
Need good smartphone signal	A poor signal may cause long delays or inability to view	<ol style="list-style-type: none"> <li>1. User can connect device to 5 smartphones to in case 1-2 smartphones are in poor signal area, other smartphones can still ring and view.</li> <li>2. User better to connect smartphone to WiFi when there is WiFi available.</li> </ol>
Router 2.4GHz WiFi.	5GHz WiFi.	Change to use 2.4GHz WiFi.
Router Upload bandwidth $\geq 512\text{KBit/s}$	$< 512\text{KBit/s}$ or too many computers / smartphones in the same network. Delay or can't work.	<ol style="list-style-type: none"> <li>1. Reduce the computers/smartphones quantity connected in the same network.</li> <li>2. Change to use a bigger bandwidth network.</li> </ol>

## Introduction



## Install the APP

### DIY Smart App



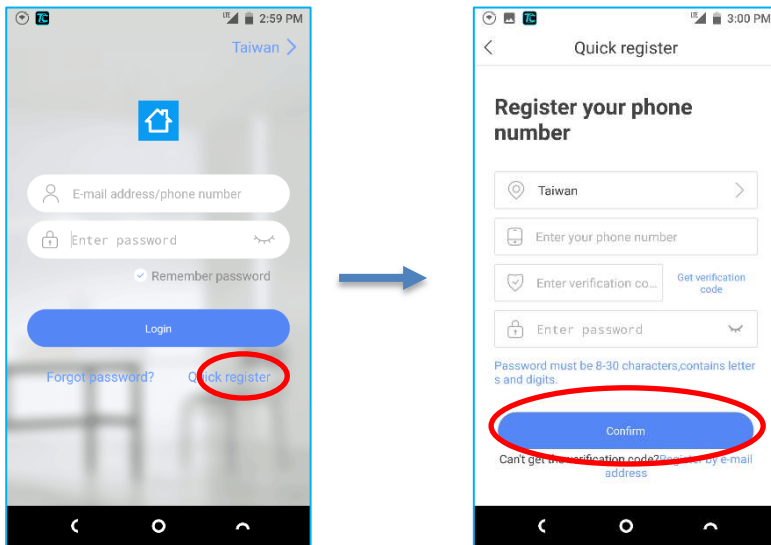
Scan QR code or search the App 'DIY Smart' from 'Google Play Store' or 'App Store', and install on mobile phone.

**Special Notice: When open the app, you will receive a tip. Please click 'OK' to allow the notifications, otherwise, you cannot receive any notification.**



## Register Account (Register your phone number & Register via email)

### Register your phone number



**Region:** Please select your region

**Enter your phone number :** Enter your mobile number

**Enter verification code :** Click "Get Verification Code", please go to SMS to view verification code and enter

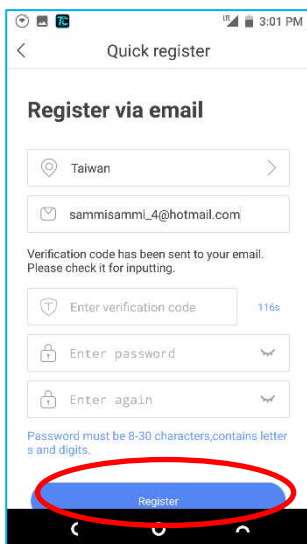
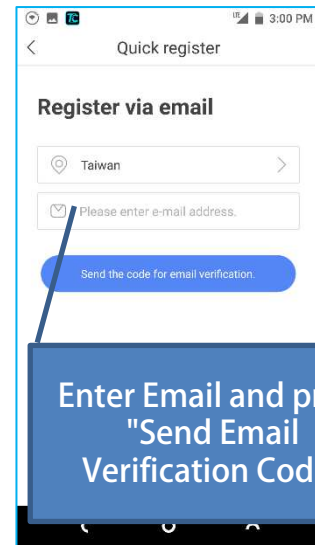
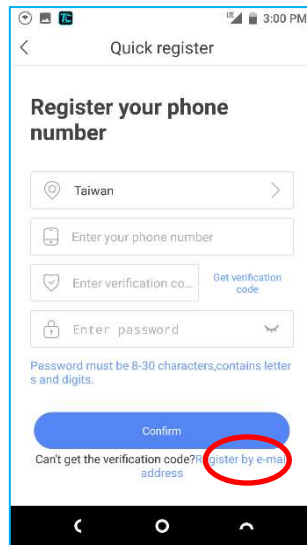
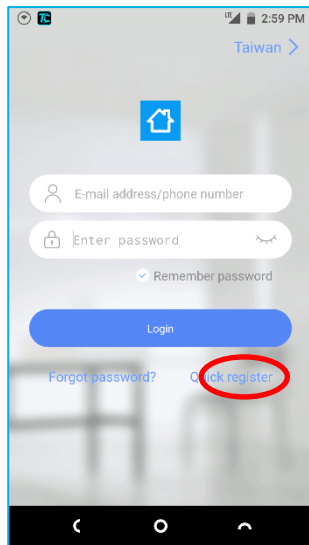
**Enter password :** Enter the password you want to set (password is 8-30 characters containing letters & numbers)

After registration is complete, please log in again. Enter "Account" for phone number, and "Password" for the password you set to log in.

**Notice: If two phones use the same account ID for simultaneous login, only one phone will receive a push notification. Therefore, if two mobile phones are used to connect the device, the user should register two different account IDs for the two mobile phones.**



## Register via email



**Enter verification code** : Fill in the verification code received by Email (mail may be in spam)

**Enter password** : Enter the password you want to set (password is 8-30 characters containing letters & numbers)

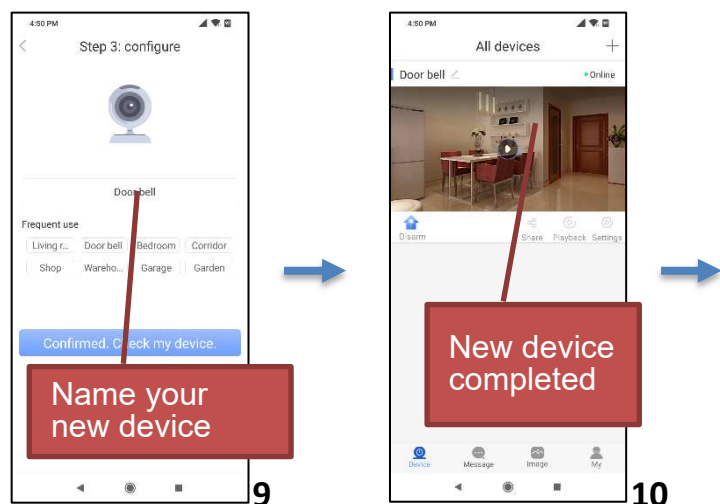
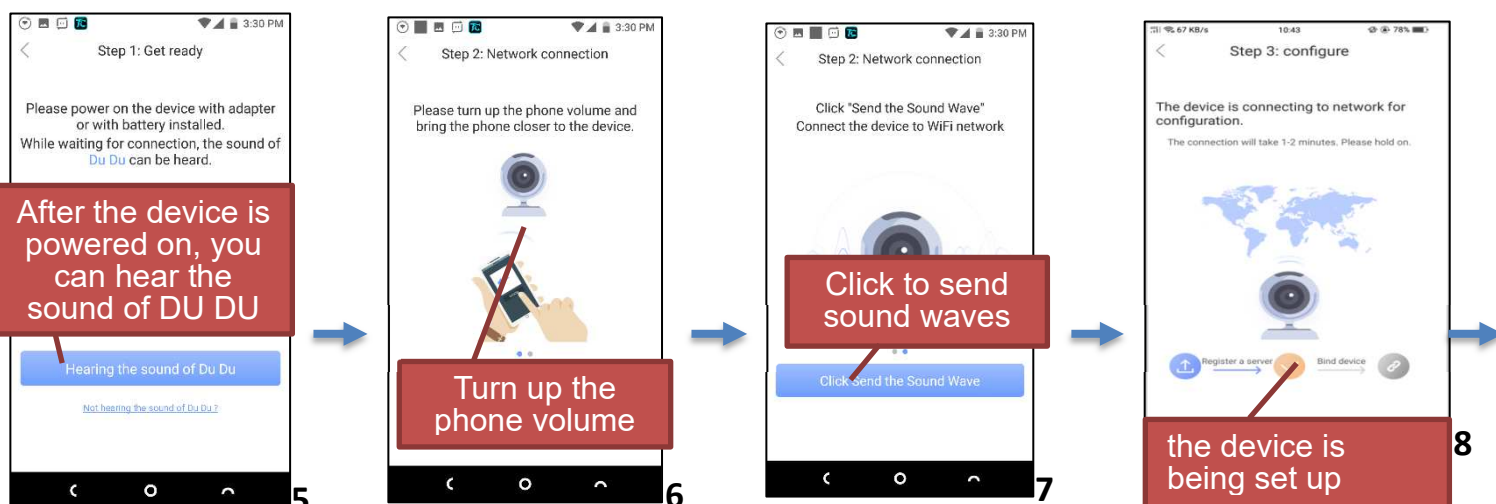
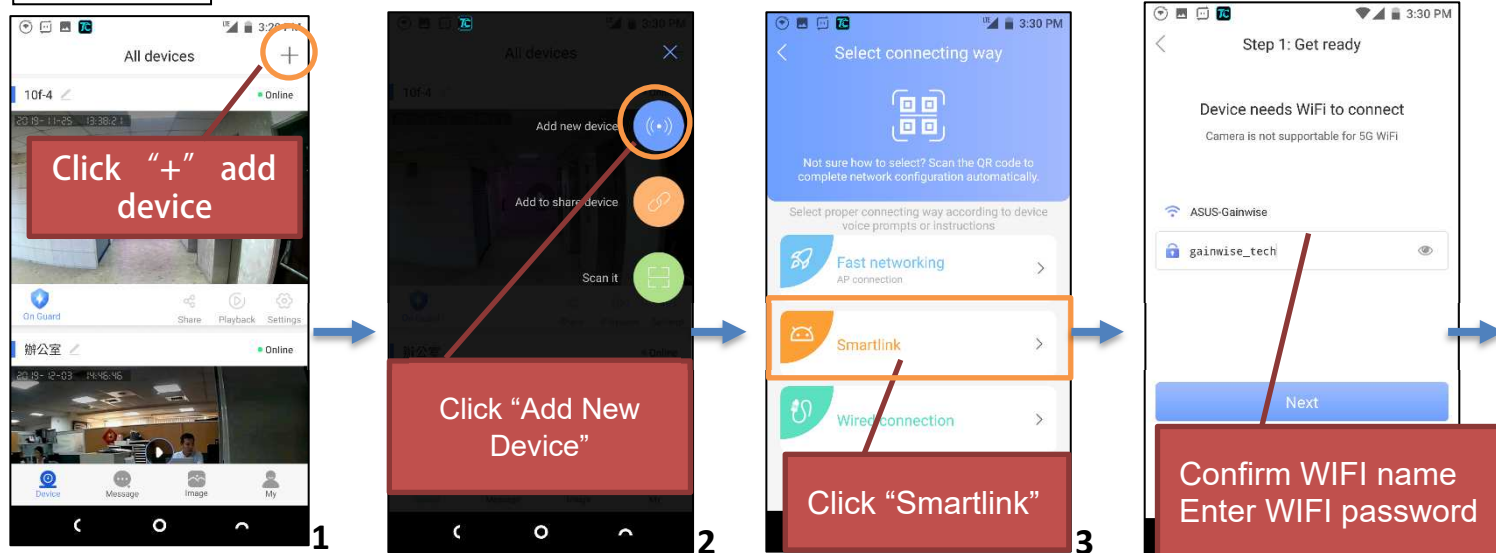
**Enter again** : Enter the password again



There are 3 modes for adding devices: "fast networking", "Smartlink", "Wired Connection", the most commonly used is "Smartlink", the following is the setting description

## 1) Add device ("fast networking" "Smartlink" "Wired Connection")

### (Smartlink)

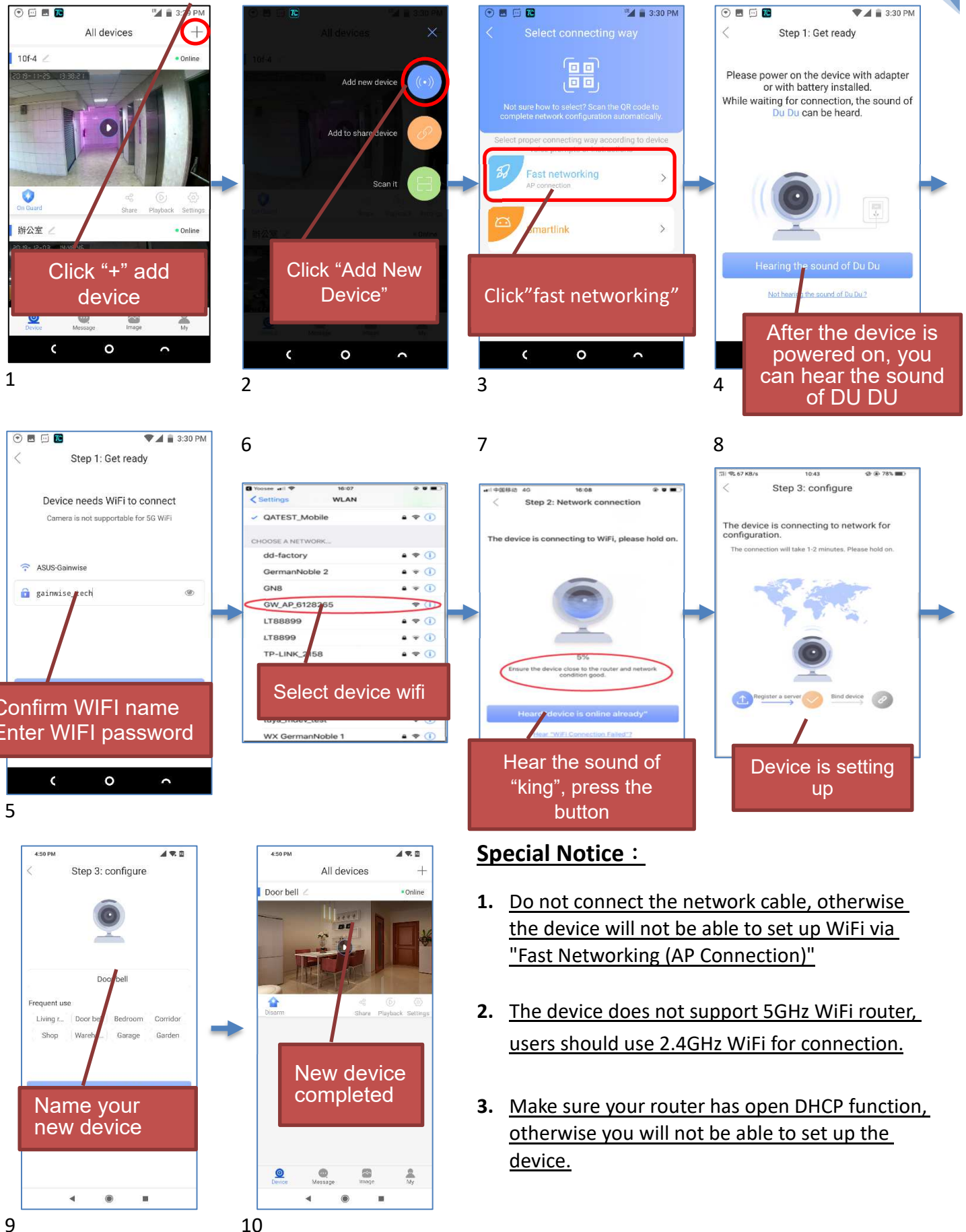


### Special Notice :

1. Do not connect the network cable, otherwise the device will not be able to set up WiFi via "Smartlink".
2. The device does not support 5GHz WiFi router, users should use 2.4GHz WiFi for connection.
3. Make sure your router has open DHCP function, otherwise you will not be able to set up the device.



## (fast networking)

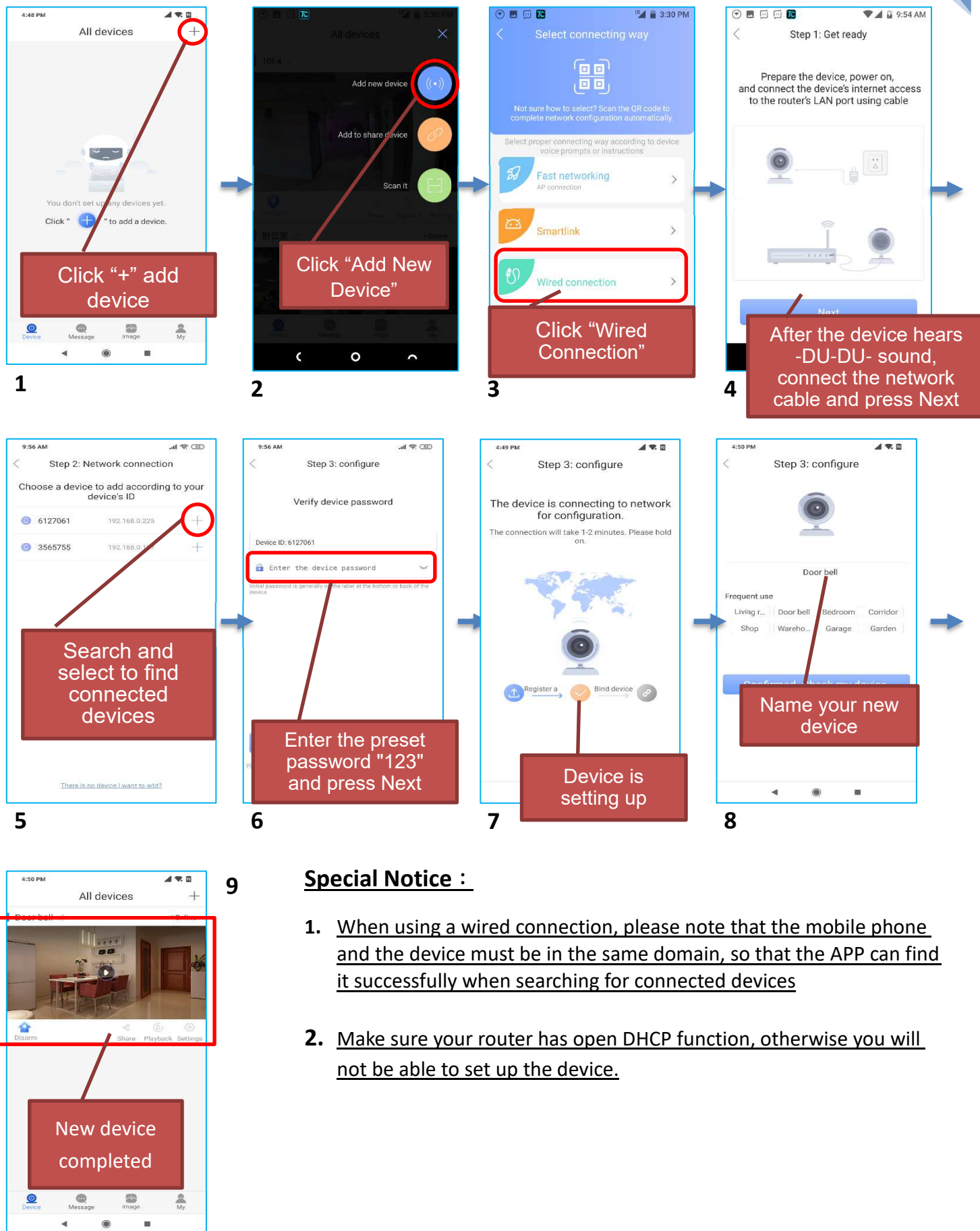


### Special Notice :

1. Do not connect the network cable, otherwise the device will not be able to set up WiFi via "Fast Networking (AP Connection)"
2. The device does not support 5GHz WiFi router, users should use 2.4GHz WiFi for connection.
3. Make sure your router has open DHCP function, otherwise you will not be able to set up the device.



## (Wired Connection)

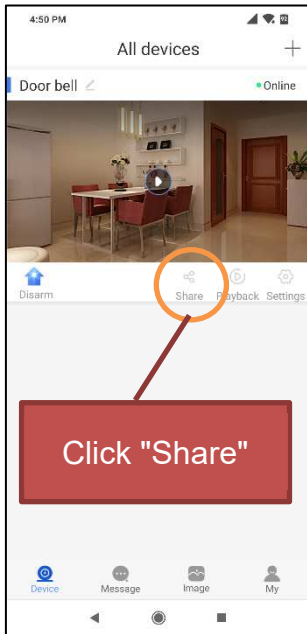


## Special Notice :

1. When using a wired connection, please note that the mobile phone and the device must be in the same domain, so that the APP can find it successfully when searching for connected devices
2. Make sure your router has open DHCP function, otherwise you will not be able to set up the device.

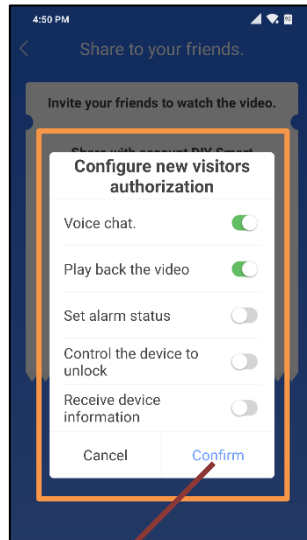


## 2) Share the device with others



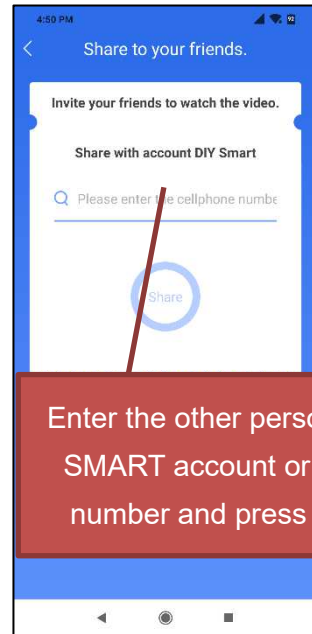
1

Click "Share"



2

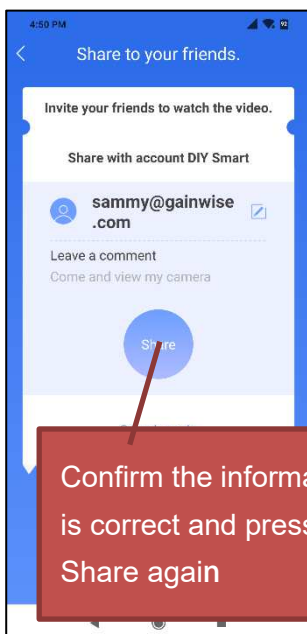
Select the permissions to grant and press "OK"



3

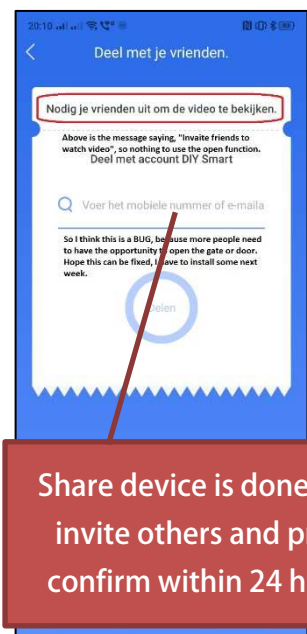
Enter the other person's DIY SMART account or phone number and press Share

The old device has no authorization page, and the unlock authorization is in "Settings"



4

Confirm the information is correct and press Share again



5

Share device is done, and invite others and press confirm within 24 hours



## 3) APP home screen and TF card video playback view



Online icon

Device share

TF card video playback

Device detailed settings

Mobile screenshots and videos

Account settings

Device name

device status

Notification list

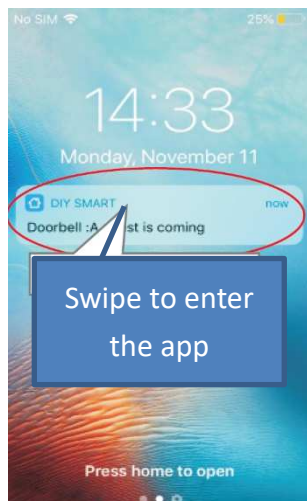
Device List



Select "Playback" on the main screen, and select the clip to be played after entering  
(This video is on a memory card)

## 4) Smartphone push notifications

When people press the device's call button or trigger an alarm, a notification is received on the phone screen.



Alarm picture only displayed when a TF card is inserted

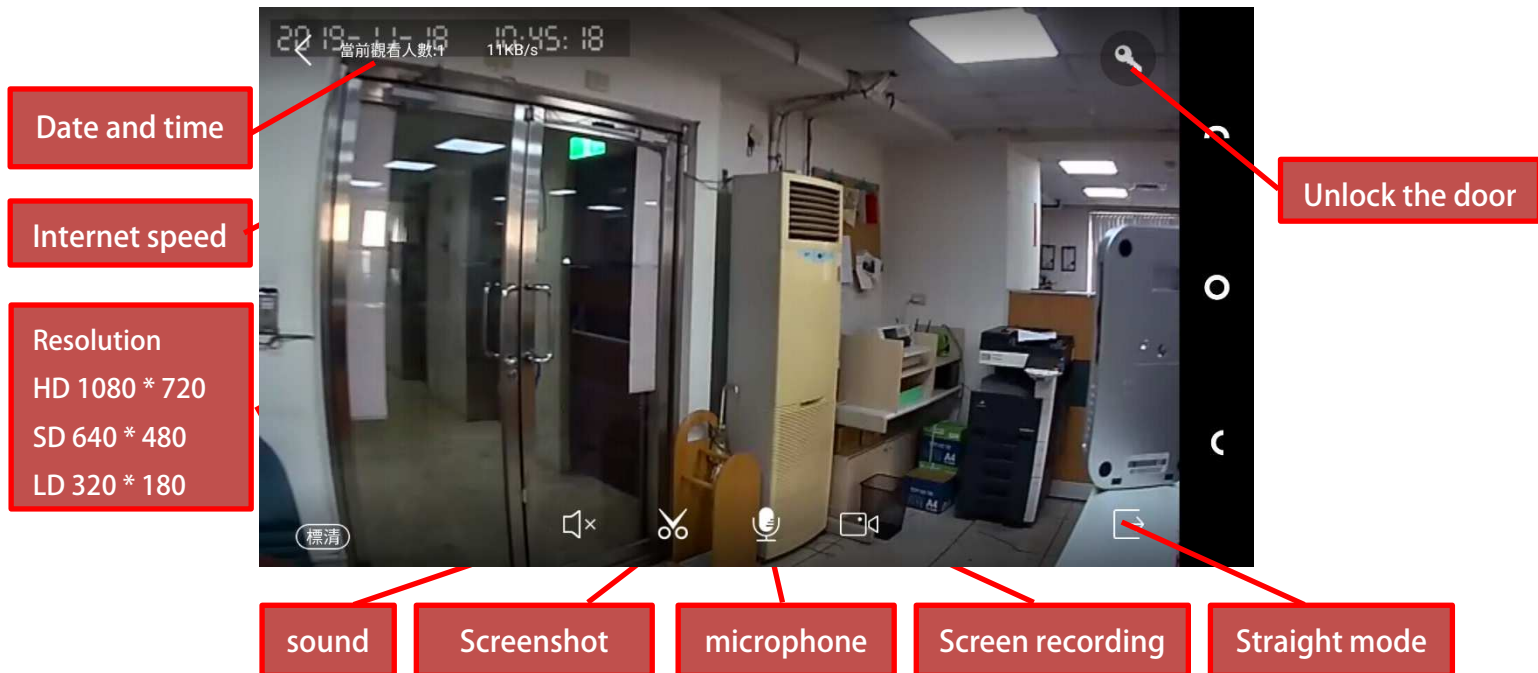
**Notice:** User must keep the Android app running at phone's background, user can't force stop the Android app in phone's application manager, otherwise phone can't receive any push notification.

**Notice:** If user use iPhone, user should keep iPhone's 3G/4G signal always connected to received push notification all the time. Otherwise iPhone can not receive push notification when WiFi is intermittently disconnected or iPhone is low battery.

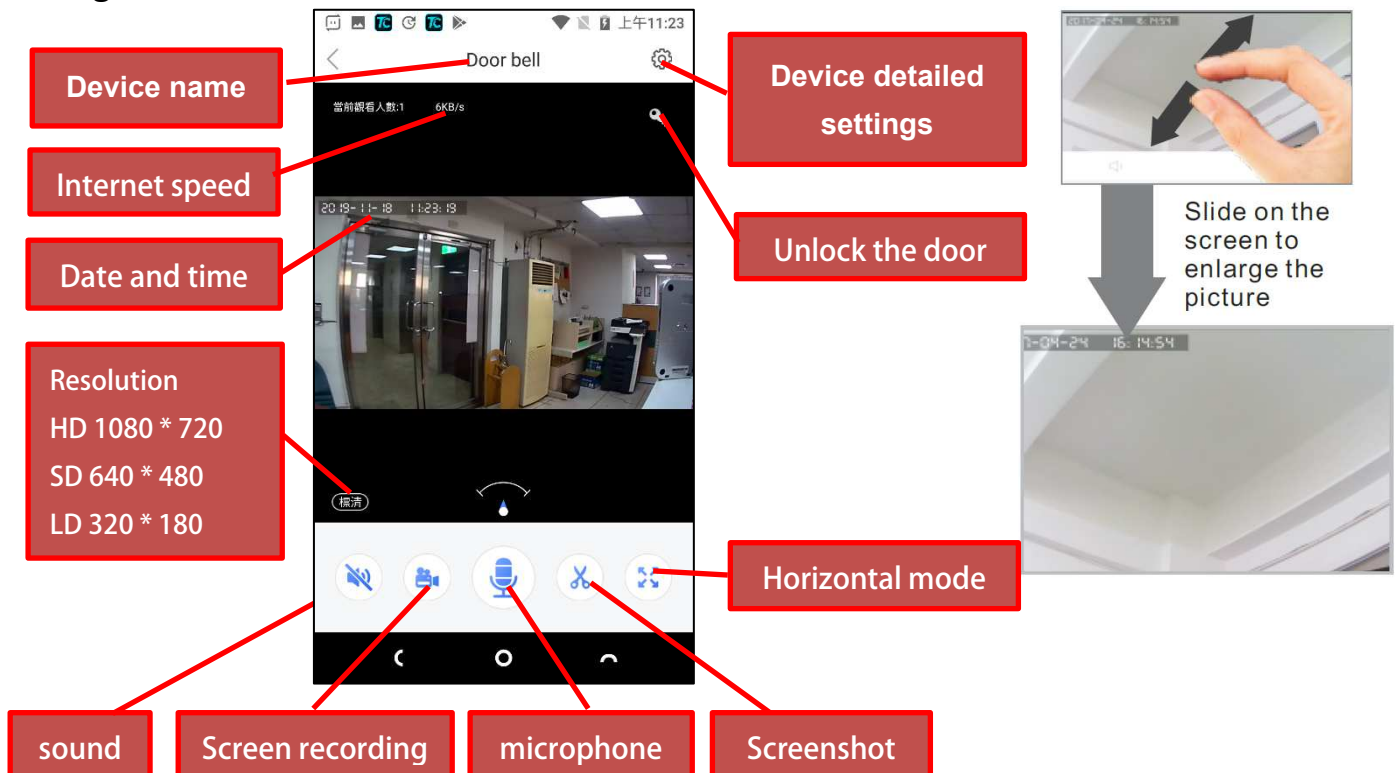


## 5) Video interface explanation

### Horizontal

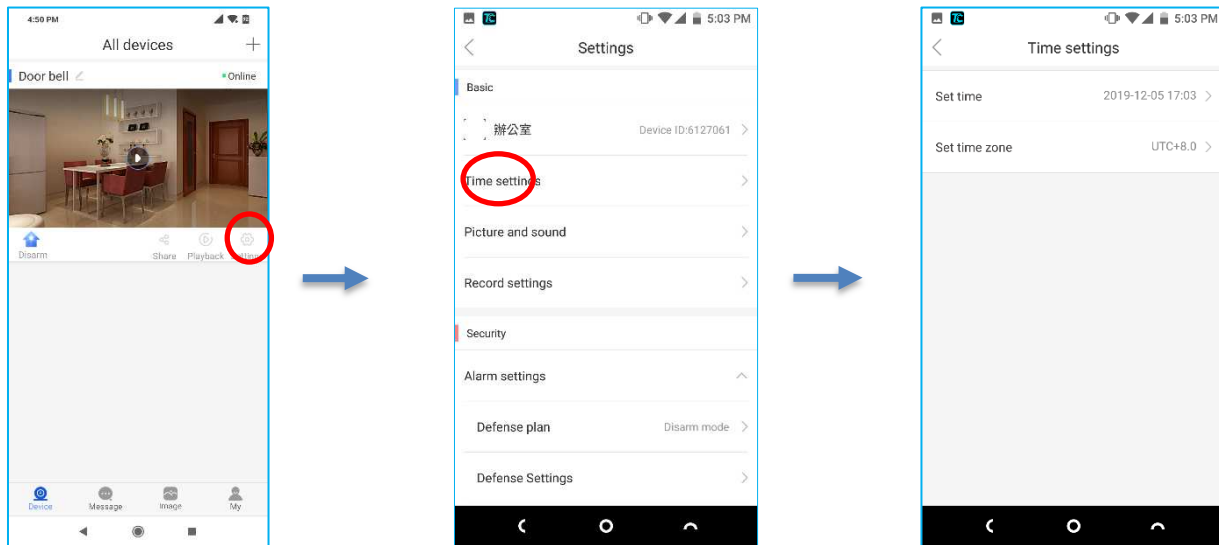


### Straight



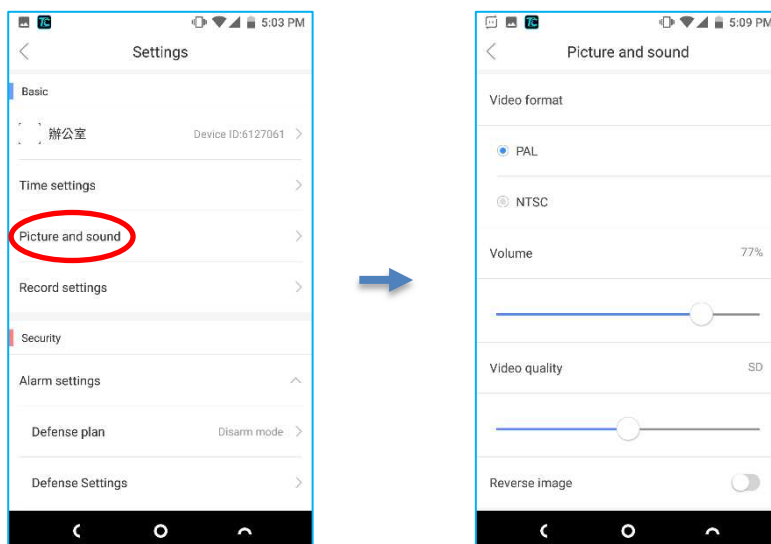
## 6) Device detailed settings

### Time settings



**Notice :** The device actively captures network time. If the time is incorrect, please note that the time zone is correct.

### Picture and sound



Video format: select PAL or NTSC

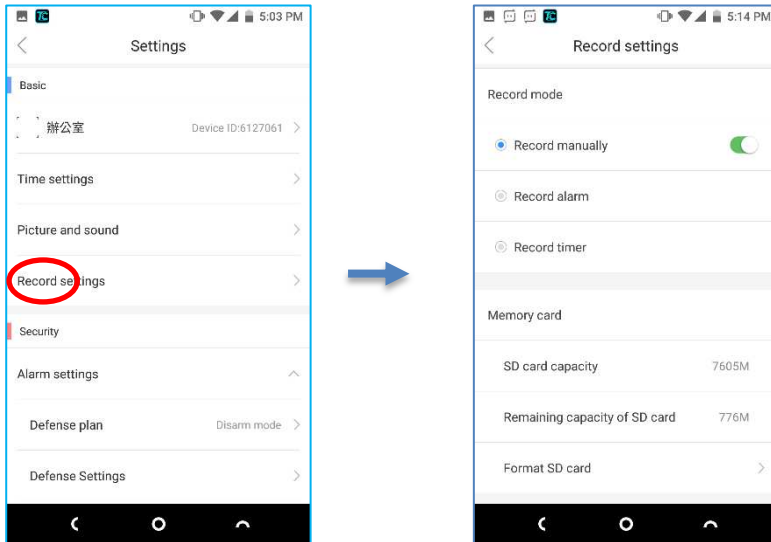
Volume : Device speaker volume

Video quality : Sharpness of image recording

Reverse : whether the image is flipped



## Record settings



### Notice :

All recording modes require a TF memory card. When the memory card is full, the device will overwrite the earliest date recording

## Record mode

**Record manually** : When you need to record, you need to press the recording switch manually.

**Record alarm** : "Motion detection" and "Push Notification" will be recorded, the recording time can be selected from 1 ~ 3 minutes

**Record timer** : Record at a fixed time every day

## Memory card

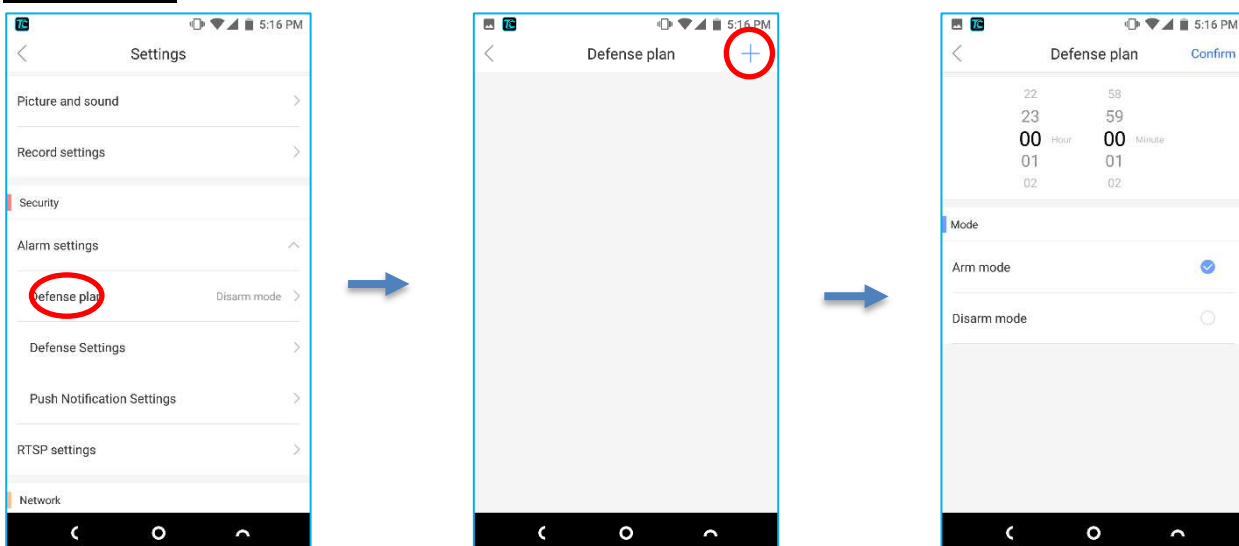
**SD card capacity** : TF memory card capacity is based on the capacity of the inserted memory card, the device supports up to 128G memory card

**Remaining capacity of SD card** : memory card free space

**Format SD card** : Erase and format the TF memory card. When inserting a new memory card, it is recommended to "format the SD card".

## Alarm settings(Defense plan-Defense settings-Push Notification settings)

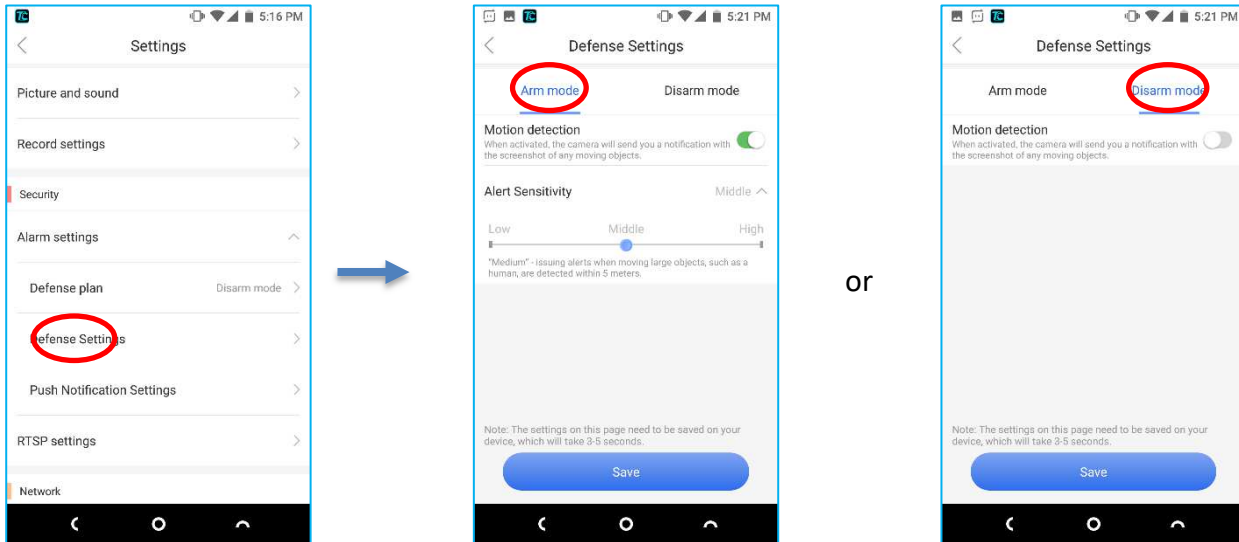
### Defense plan



Defense plan : Click "+" to enter the new page, you can set the time when the device actively performs "Arm mode" or "Disarm mode"



## Defense Settings



### Arm mode

**Motion detection :** After turning on, the lens will notify you when the object moves

#### Alert Sensitivity :

Low : issuing alert when moving large objects, such as a human, are detected within 3 meters

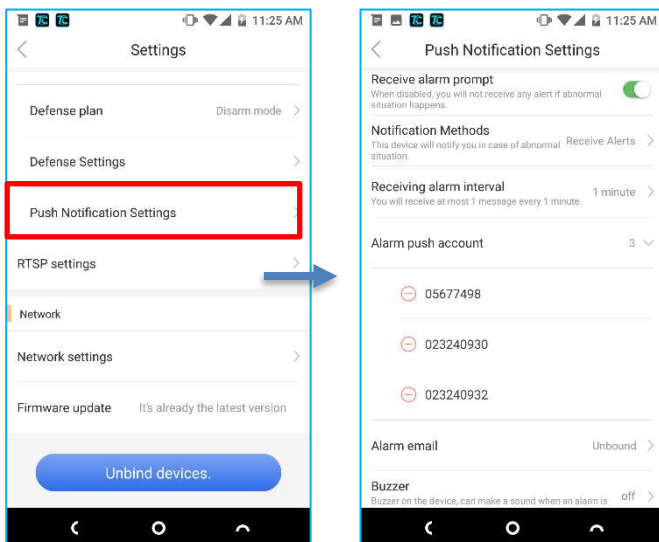
Middle : issuing alert when moving large objects, such as a human, are detected within 5 meters

High : issuing alert when moving large objects, such as a human, are detected within 5 meters

### Disarm mode

**Motion detection :** After turning on, the lens will notify you when the object moves

## Push Notification Settings



**Receive alarm prompt :** When disabled, you will not receive any alert if abnormal situation happens.

#### Notification Methods :

**Receive Alerts** – Receive alert notifications and update messages.

**Do not Disturb mode** – Update new messages only without receiving alert notifications

**Receiving alarm interval :** Select push notification interval.

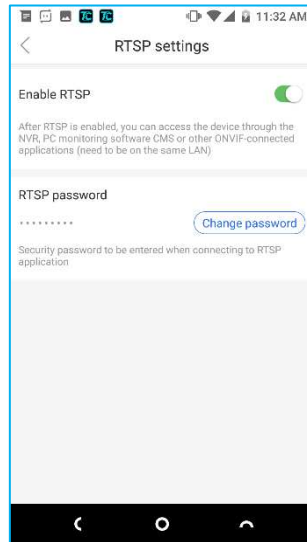
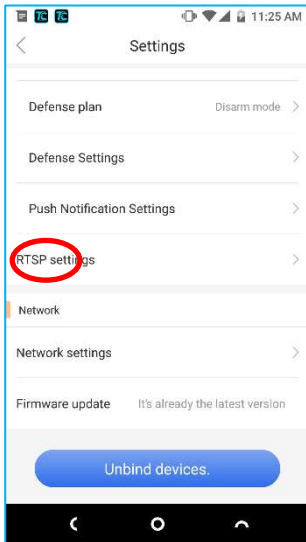
**Alarm push account :** Current push notification account

**Alarm email :** Receive email notifications and images

**Buzzer :** Buzzer on the device, make a sound when an alarm is triggered.



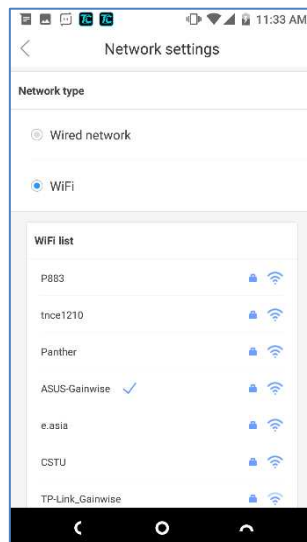
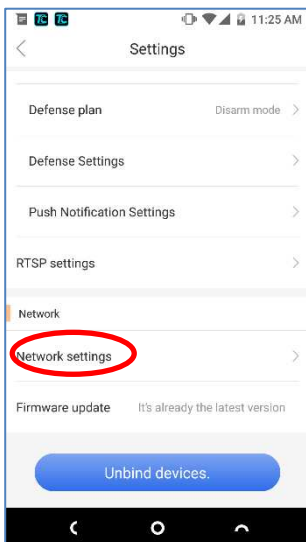
## RTSP setting



Turn on RTSP: After RTSP is enable, you can access the device through the NVR, PC monitoring software CMS or other ONVIF-connected applications (need be on the same LAN)

RTSP password: Security password to be entered when connecting to RTSP application (8-30 digits include letters and numbers)

## Network setting



Network type : Wired or WiFi choice

WiFi list : Search for available WiFi nearby



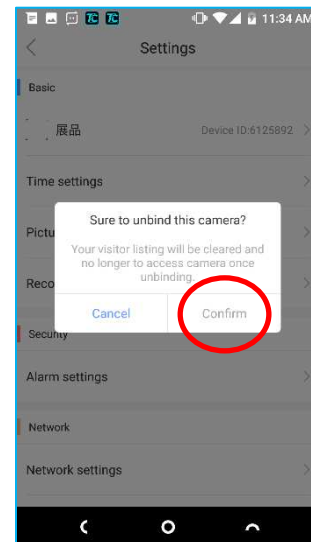
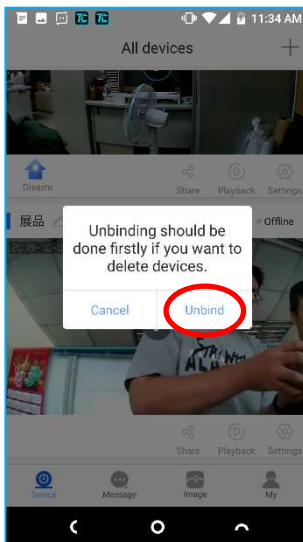
## 7) Reset the device



Press and hold the reset button for 3 seconds until you hear a 'DEE' sound. After reset succeed, wait the device restart and have 'Du.Du.Du...' sound.

## 8) Delete device

Press and hold the device picture, then click the "Unbind" button, then click the "Confirm" button to delete the device.



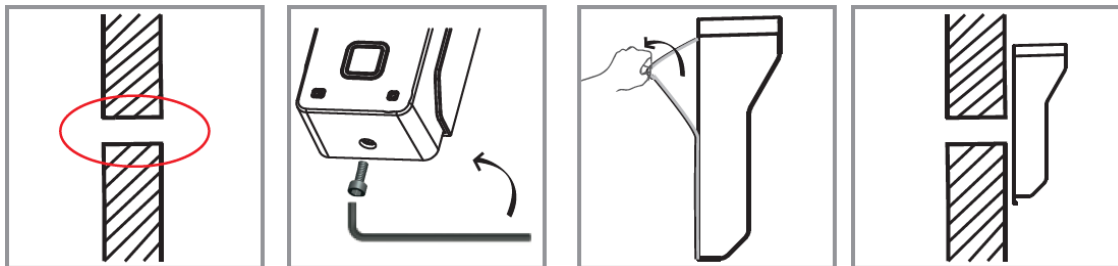
## 9) How to install the wall

**Note: WiFi antenna should be installed inside the house for better signal.**

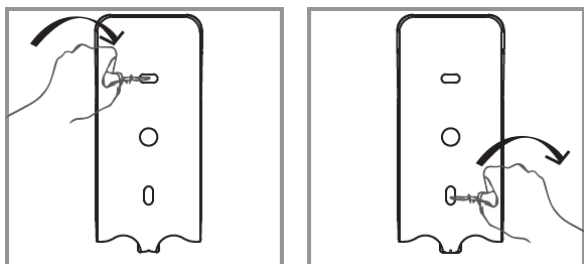
**Note: Before installing on the wall, please confirm the correct Wi-Fi settings and make sure the Wi-Fi signal is good. Otherwise, it needs to reposition the router or antenna to receive a good Wi-Fi signal. If the Wi-Fi signal is still not strong enough, add a Wi-Fi repeater or use a network cable.**



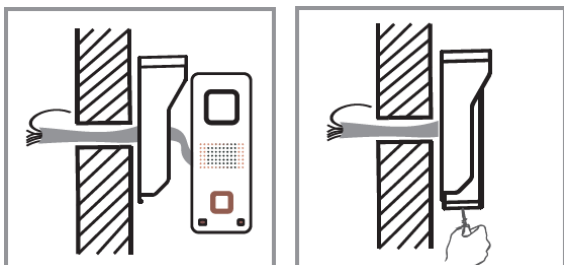
**Step 1 :** Drill a hole for the wires to go through the wall, use the hexagonal screw driver in the box to remove the rain cover screw at the bottom of the device. Remove the rain cover sticker and stick the ring cover on the wall.



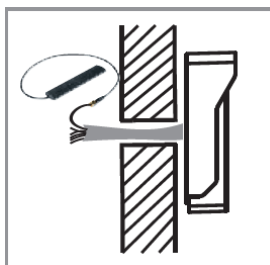
**Step 2 :** Fix the back housing on the wall with two screws



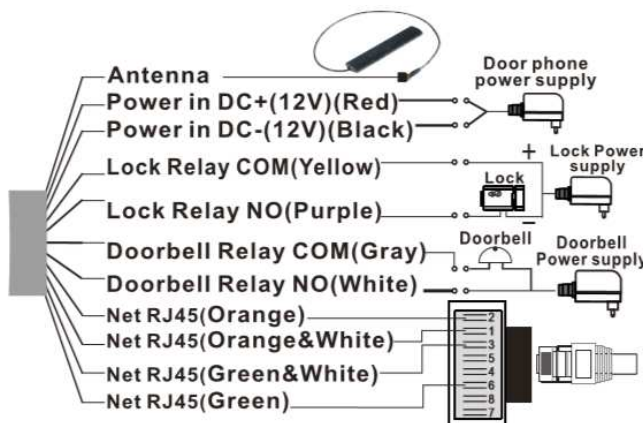
**Step 3 :** Lead the wires through the hole in the wall, and put the device into the back housing. Tighten the screw in the bottom.



**Step 4 :** Connect the antenna, remove antennae's sticker and stick antenna on the wall.



**Step 5 :** Connect the wires of power supply, unlock signal, antenna, etc. in other side of the wall.



## 10) Tamper Alarm

When the thief opens the device, it will have siren alarm, and your phone will receive alarm too. (The tamper alarm will be last for 1 min.)



## 11) FAQ

**Q1.** Why I can't receive push notification ring on my phone?

**A:**

1. Make sure app's 'Device-> "Device detailed settings" ->"Alarm Settings"->"Receive alarm prompt's" enable.
2. Make sure the app is running at phone's background, and you haven't force stopped the app in phone's application manager.
3. Make sure you had chosen "OK" to allow app to send you notification when you first install the app. Or check your phone's notification center to enable receiving app's notification.
4. If 2 mobile phones use the same account ID to login at the same time, only 1 mobile phone can receive the push notification alarm ring. So, if use 2 mobile phones to connect the device, user should register 2 different account IDs for the 2 mobile phones.
5. Maybe you are using iPhone, but you have turn off 3G/4G signal. iPhone's WiFi connection will intermittently disconnected, if 3G/4G is also turn off user cannot receive push notification. So, user should keep iPhone's 3G/4G signal always connected to received push notification all the time

**Q2.** Why sometimes it takes a too long time to connect to video or fail to connect to video, video delay, video not fluent or video stop ?

**A:** 1. It is possibly because your mobile phone is using 4G network and at that place the 4G network signal is not good enough and percentage is only 25% or 50%. If 4G network percent is below 75%, it is not good enough to transfer video file, user should change to another place for better mobile 4G signal or change to use WIFI signal. Moreover, 1 device can send push notification ring to max. 5 mobile phones at the same time, user should set more mobile phones to receive the push notification ring to avoid this 4G signal not good at some places problem



2. Maybe the device is too far away from your router, pls put it closer to your router or change a stronger signal router or add a WiFi repeater in between.
3. Maybe your network upload bandwidth is too small <512KBit/s or too many computers/smartphones in the same network. User should reduce the computers/smartphones quantity connected in the same network or change to use a bigger bandwidth network.

**Q3.** Why can't hear the voice clearly, picture delay, voice delay, halt or no sound ?

**A:** 1. Possibly because network not good and stable, try to change a better bandwidth network

2. Possibly there are too many other devices like computers on the same router, pls close these devices or change to a bigger band with network.

3. Maybe the device is too far away from your router, pls put it closer to your router or change a stronger signal router or add a WiFi repeater in between.

**Q4.** Why Video and voice delay when I mount the TH601W on the villa fencing or far outside ?

**A:** the distance and thickness of blocks exceed the transmitting ability of the antenna.

**Q5.** Why I hear a shrill sound, too small sound or can't hear sound from the TH601W on my Android phone ?

**A:** 1. Different phone model has different volume. User can adjust the volume of the phone to have better sound

2. iPhones, iPad and most Android phone's sound are good enough. Only a few special Android phone models sound is not good, in this case, user can press the 'Talk' button to hear only and press again to talk.

**Q6.** Why the device has noise and echo?

**A:** the mobile phone is too closed to the device, move the phone far away and try.

**Q7.** Why I can't open the lock ?

**A:** your connection to the lock is wrong, pls check the lock's required signal. Possibly

**Q8.** How can I updated my app ?

**A:** Go to "Apple Store" and "Google Play" to check app update version to update to latest version

**Q9.** How can I updated my device ?

**A:** Pls get in the app and go to ->"Device detailed setting" and click "Firmware update" to update to version.



## 12) Model Specification

Image Sensor	1/4" Color CMOS Sensor
Compression	H.264
Resolution	HD : 1280*720 ; S D : 640*360 ; LD : 320*180
Memory	Built-in 8G memory card up to 128G memory card
Lens	Fixed 2.5mm 122°
Sensitivity	0Lux(IR ON) / 0.5Lux(Normal)
IR LED	4 × Φ4
Night vision distance	Max. 2 meters
WiFi Antenna	10DB
Size	L55 × W40 × H129 mm
Power Supply	DC/AC 8-24V, optional adapter DC 12V500mA
Lock Relay Supported Current	≤3A
Lock Relay Supported Voltage	"Support all voltage. Suggest to use <36V to avoid electric shock."
Door Chime Relay Supported Current	≤3A
Door Chime Relay Supported Voltage	"Support all voltage. Suggest to use <36V to avoid electric shock."
Working temperature	-20°C ~ 50°C
Working humidity	10% ~ 80% no condensation
IP level	IP65

