



Quick Installation Guide

DNAKE IP System

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1 Connect Android Outdoor Station to Android Indoor Monitor

Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. Android Outdoor Station and Android Indoor Monitor are under the same LAN.

1.1 Network settings

1. Connect the Ethernet cable to both Android Outdoor Station and Android Indoor Monitor. Please keep them under **the same LAN**.

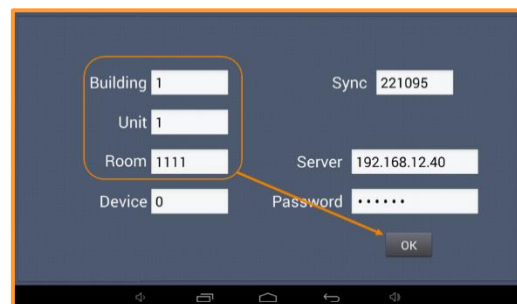
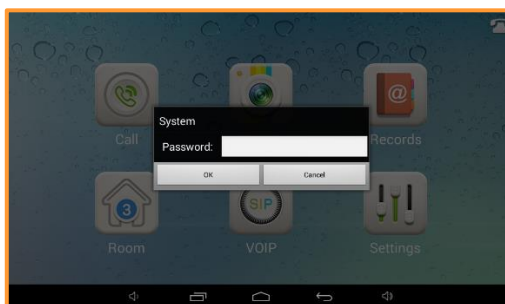
1.2 Check Building, Unit and Room number of Android Indoor Monitor

1. All other Settings remain default. In case Android Outdoor Station fails to connect with Android Indoor Monitor, you need to check out whether the **Building and Unit number** of Android Outdoor Station are consistent with Android Indoor Monitor. The followings are the steps to check numbers of Android Indoor Monitor.

- ◆ Step 1: Go to the **home page** of Android Indoor Monitor. **Click VOIP**.





- ◆ Step 2: Click **Room**. If it needs you to type in password, please remember the password is: **123456**. Then you will see **Building, Unit and Room number**.



1.3 Check Building and Unit number of 902 Android Outdoor Station

1. The followings are the steps to check numbers of 902 Android Outdoor Station.

- ◆ Step 1: Press # twice on the keyboard of 902 Android Outdoor Station to go to **Admin**, and then enter the **default password: 123456**. (Keyboard on 902 Android Outdoor Station——#: enter; *: back; : up; : down)



- ◆ Step 2: Select **Device Settings**. Press # to get in.
- ◆ Step 3: Check out **Building and Unit number**. These numbers must be consistent with Android Indoor Monitor.



1.4 Call Android Indoor Monitor by 902 Android Outdoor Station

1. After you have confirmed these numbers, you can try to call Android Indoor Monitor. You can press * to go back to the **home page** of 902 Android Outdoor Station. Press **Room number** of Android Indoor Monitor (such as 1111) on 902 Android Outdoor Station, and then press # to make this call.



2. You can **answer, open the door, take a screenshot, record a video (TF card needed), adjust the volume, or speak** with the visitor on Android Indoor Monitor.

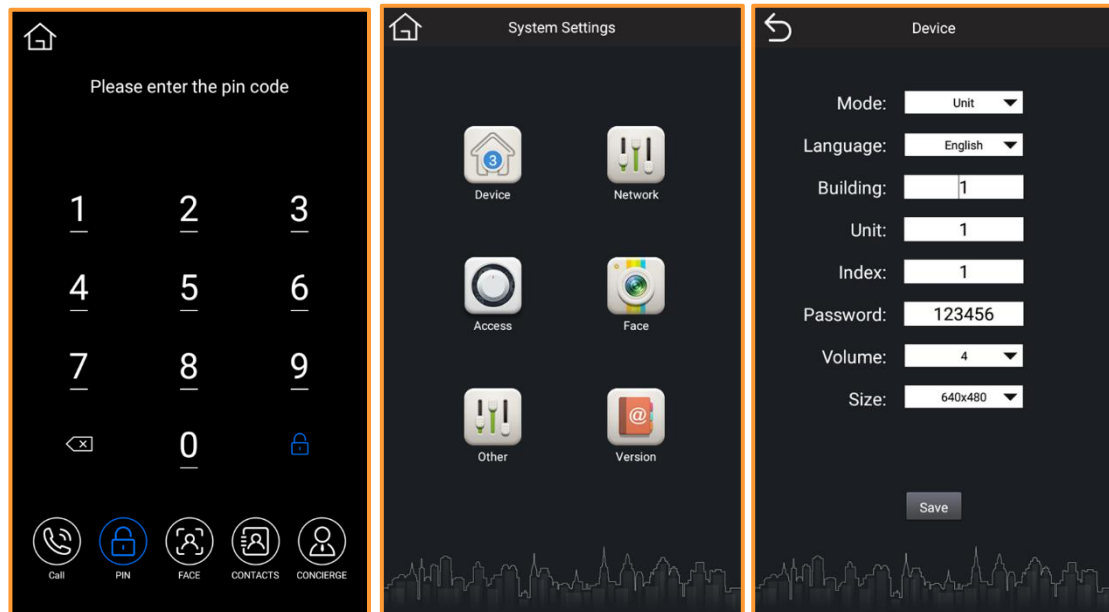


3. Congratulations. You have done a good job. 902 Android Outdoor Station is successfully connected to Android Indoor Monitor.

1.5 Check Building and Unit number of 905D-Y4 Android Outdoor Station

1. The followings are the steps to check numbers of 905D-Y4 Android Outdoor Station.

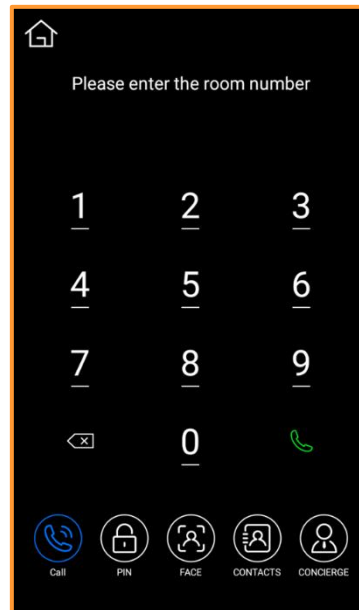
- ◆ Step 1: Click **PIN** icon on the home page.
- ◆ Step 2: Enter the **default administrator's password: 123456** and then click the little blue **Lock** icon.
- ◆ Step 3: Click **Device**.
- ◆ Step 4: Check out **Building and Unit number**. These numbers must be consistent with Android Indoor Monitor.



1.6 Call Android Indoor Monitor by 905D-Y4 Android Outdoor Station

1. Make a call:

- ◆ Step 1: Click **Call icon** on the home page.
- ◆ Step 2: Enter the **room number** you want to call and click the **green Phone icon**. If you want to go back to the home page, you can click **House icon** in the upper left corner.



2. You can **answer, open the door, take a screenshot, record a video (TF card needed), adjust the volume, or speak** with the visitor on Android Indoor Monitor.



3. Congratulations. You have done a good job. 905D-Y4 Android Outdoor Station is successfully connected to Android Indoor Monitor.

2 Connect Android Outdoor Station to Linux Indoor Monitor

Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. Android Outdoor Station and Linux Indoor Monitor are under the same LAN.

2.1 Network settings

1. Connect the Ethernet cable to both Android Outdoor Station and Linux Indoor Monitor. Please keep them under **the same LAN**.

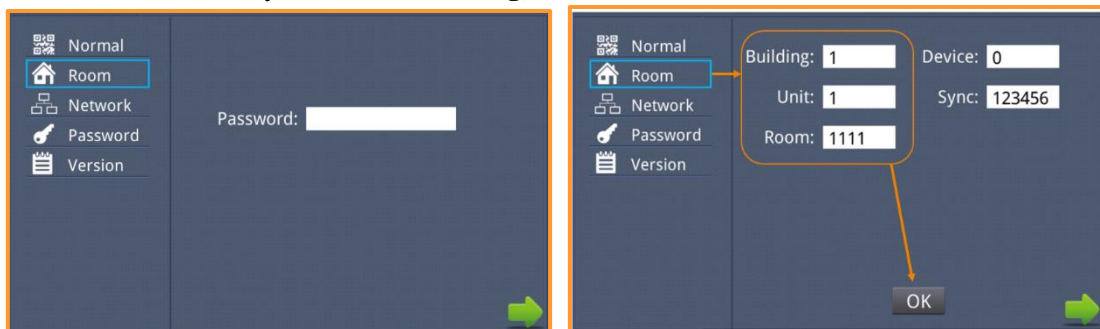
2.2 Check Building, Unit and Room number of Linux Indoor Monitor

1. All other Settings remain default. In case Android Outdoor Station fails to connect with Linux Indoor Monitor, you need to check out whether the **Building and Unit number** of Android Outdoor Station are consistent with Linux Indoor Monitor. The followings are the steps to check numbers of Linux Indoor Monitor.

- ◆ Step 1: Go to the **home page** of Linux Indoor Monitor. **Click Setup**.





- ◆ Step 2: Click **Room**. If it needs you to type in password, please remember the password is: **123456**. Then you will see **Building, Unit and Room number**.



2.3 Check Building and Unit number of 902 Android Outdoor Station

1. The followings are the steps to check numbers of 902 Android Outdoor Station.

- ◆ Step 1: Press # twice on the keyboard of 902 Android Outdoor Station to go to **Admin**, and then enter the **default password: 123456**. (Keyboard on 902 Android Outdoor Station——#: enter; *: back; : up; : down)

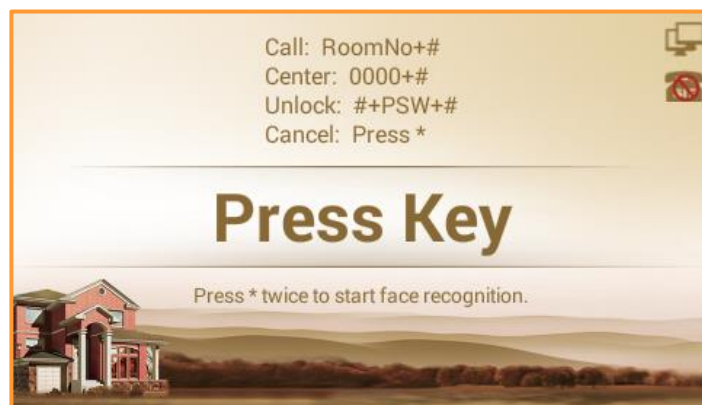


- ◆ Step 2: Select **Device Settings**. Press # to get in.
- ◆ Step 3: Check out **Building and Unit number**. These numbers must be consistent with Linux Indoor Monitor.



2.4 Call Linux Indoor Monitor by 902 Android Outdoor Station

1. After you have confirmed these numbers, you can try to call Linux Indoor Monitor. You can press * to go back to the **home page** of 902 Android Outdoor Station. Press **Room number** of Linux Indoor Monitor (such as 1111) on 902 Android Outdoor Station, and then press # to make this call.



2. You can **answer, reject, open the door, or speak** with the visitor on Linux Indoor Monitor.

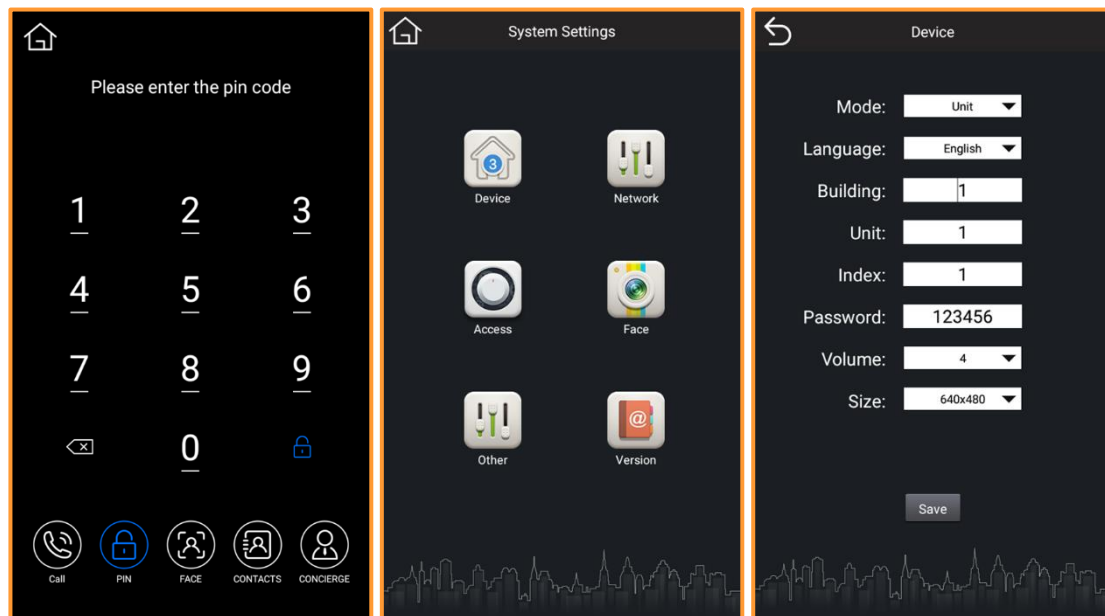


3. Congratulations. You have done a good job. 902 Android Outdoor Station is successfully connected to Linux Indoor Monitor.

2.5 Check Building and Unit number of 905D-Y4 Android Outdoor Station

1. The followings are the steps to check numbers of 905D-Y4 Android Outdoor Station.

- ◆ Step 1: Click **PIN** icon on the home page.
- ◆ Step 2: Enter the **default administrator's password: 123456** and then click the little blue **Lock** icon.
- ◆ Step 3: Click **Device**.
- ◆ Step 4: Check out **Building and Unit number**. These numbers must be consistent with Android Indoor Monitor.

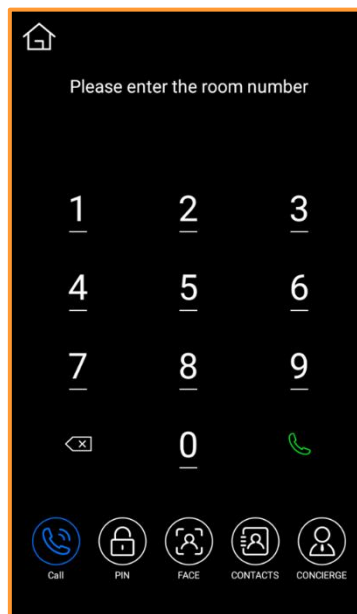


2.6 Call Linux Indoor Monitor by 905D-Y4 Android Outdoor Station

1. Make a call:

- ◆ Step 1: Click **Call icon** on the home page.
- ◆ Step 2: Enter the **room number** you want to call and click the **green Phone icon**. If you

want to go back to the home page, you can click **House icon** in the upper left corner.



2. You can **answer, reject, open the door, or speak** with the visitor on Linux Indoor Monitor.



3. Congratulations. You have done a good job. 905D-Y4 Android Outdoor Station is successfully connected to Linux Indoor Monitor.

3 Connect Villa Panel to Android Indoor Monitor

Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. Villa Panel and Android Indoor Monitor are under the same LAN.

3.1 Network settings

1. Connect the Ethernet cable to both Villa Panel and Android Indoor Monitor. Please keep them under **the same LAN**.

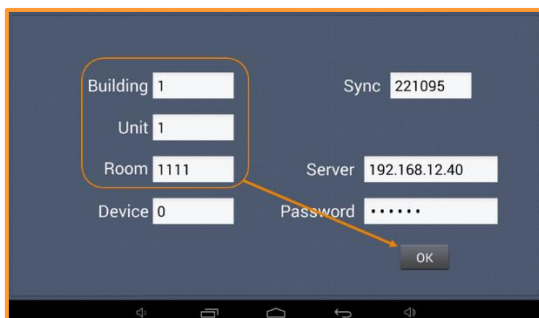
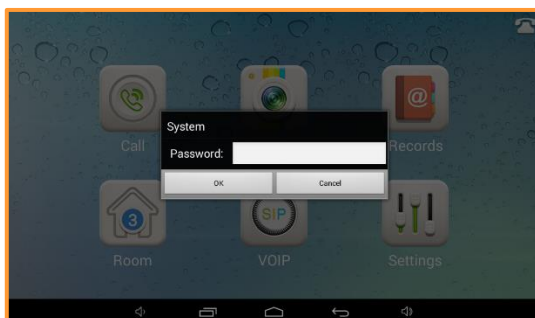
3.2 Check Building, Unit and Room number of Android Indoor Monitor

1. All other Settings remain default. In case Villa Panel fails to connect with Android Indoor Monitor, you need to check out whether the **Building and Unit number** of Villa Panel are consistent with Android Indoor Monitor. The followings are the steps to check numbers of Android Indoor Monitor.

- ◆ Step 1: Go to the **home page** of Android Indoor Monitor. **Click VOIP**.



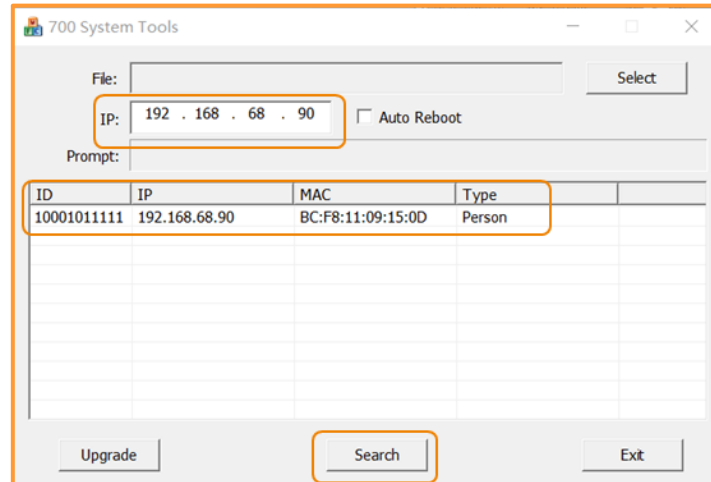
- ◆ Step 2: Click **Room**. If it needs you to type in password, please remember the password is: **123456**. Then you will see **Building, Unit and Room number**.



3.3 Check Building and Unit number of Villa Panel

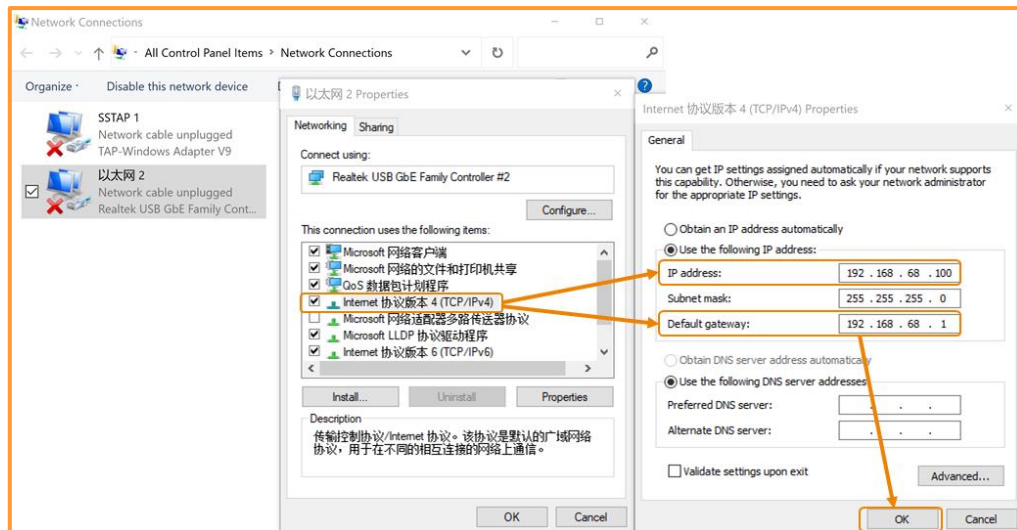
1. Obtain IP address of the Villa Panel.

- ◆ Step 1: Run the software, **Remote Upgrade**, on the computer. Please remember your computer and the Villa Panel should be under the same LAN.
- ◆ Step 2: The information of related devices such as the Villa Panel will show up automatically. Click **Search** to find the IP address if the information failed to show up automatically. Generally, the factory default setting of the Villa Panel's IP address is 192.168.68.90.



2. Change your computer's Internet Protocol v4 (TCP/IPv4).

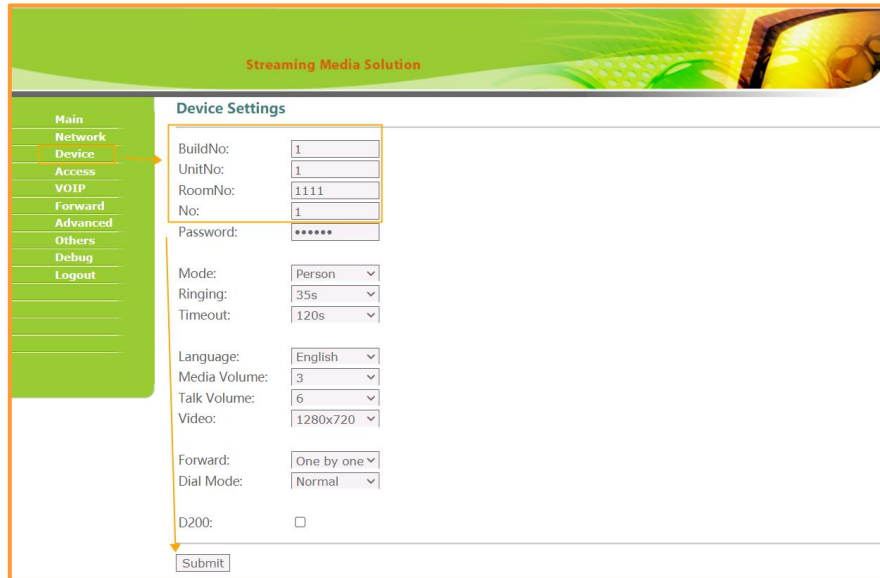
- ◆ Your computer's Internet Protocol v4 (TCP/IPv4) should be changed accordingly including IP address and Default gateway (IP address: 192.168.68.xx; Default gateway: 192.168.68.1). This step is a preparation for opening the settings of the Villa Panel.



3. The followings are the steps to check numbers of the Villa Panel.

- ◆ Step 1: After the settings, you can double click IP address of the Villa Panel on the page of **Remote Upgrade** to open the website. You can also put Villa Panel's IP address in the browser's search bar to log in its webpage with account: **Admin** and password: **123456**.

- ◆ Step 2: Go to **Device** to check the **Build, Unit and Room number**. Make sure the **Build, Unit and Room number** of the Villa Panel is the same as the Indoor Monitor's.



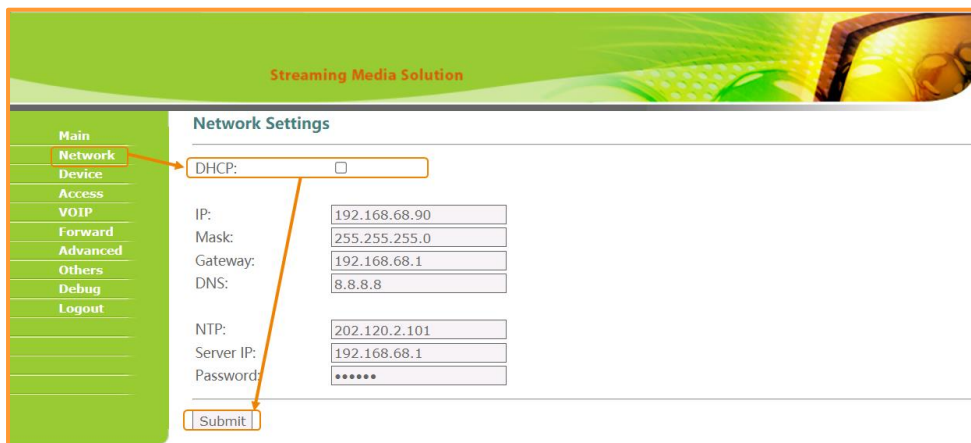
Streaming Media Solution

Device Settings

Main
Network
Device
Access
VOIP
Forward
Advanced
Others
Debug
Logout

BuildNo: 1
UnitNo: 1
RoomNo: 1111
No: 1
Password: *****
Mode: Person
Ringing: 35s
Timeout: 120s
Language: English
Media Volume: 3
Talk Volume: 6
Video: 1280x720
Forward: One by one
Dial Mode: Normal
D200: ☐
Submit

- ◆ Step 3: Go to **Network. Enable DHCP and Submit**. This step is to guarantee the connection with other devices under the same LAN.



Streaming Media Solution

Network Settings

Main
Network
Device
Access
VOIP
Forward
Advanced
Others
Debug
Logout

DHCP: ☐
IP: 192.168.68.90
Mask: 255.255.255.0
Gateway: 192.168.68.1
DNS: 8.8.8.8
NTP: 202.120.2.101
Server IP: 192.168.68.1
Password: *****
Submit

3.4 Call Android Indoor Monitor by Villa Panel

1. After you have confirmed these numbers, you can try to call the Indoor Monitor. Press **the Button** on the Villa Panel to make this call.



2. You can **answer, open the door, take a screenshot, record a video (TF card needed), adjust the volume, or speak** with the visitor on Android Indoor Monitor.



3. Congratulations. You have done a good job. Villa Panel is successfully connected to Android Indoor Monitor.

4 Connect Villa Panel to Linux Indoor Monitor

Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. Villa Panel and Linux Indoor Monitor are under the same LAN.

4.1 Network settings

1. Connect the Ethernet cable to both Villa Panel and Linux Indoor Monitor. Please keep them under **the same LAN**.

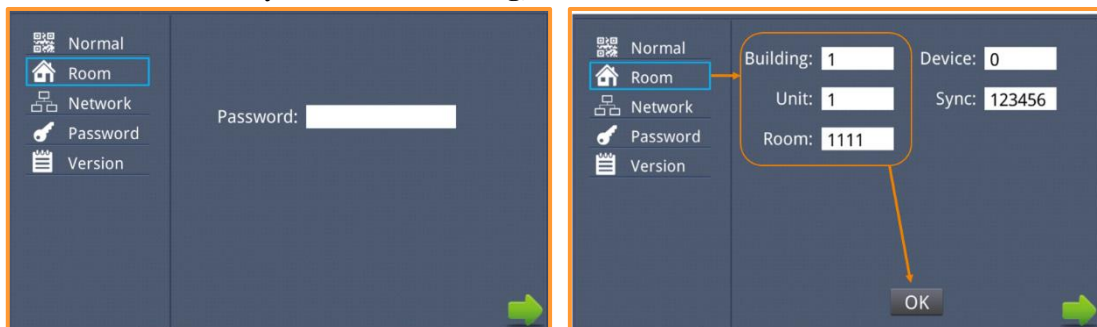
4.2 Check Building, Unit and Room number of Linux Indoor Monitor

1. All other Settings remain default. In case Villa Panel fails to connect with Linux Indoor Monitor, you need to check out whether the **Building and Unit number** of Villa Panel are consistent with Linux Indoor Monitor. The followings are the steps to check numbers of Linux Indoor Monitor.

- ◆ Step 1: Go to the **home page** of Linux Indoor Monitor. **Click Setup**.



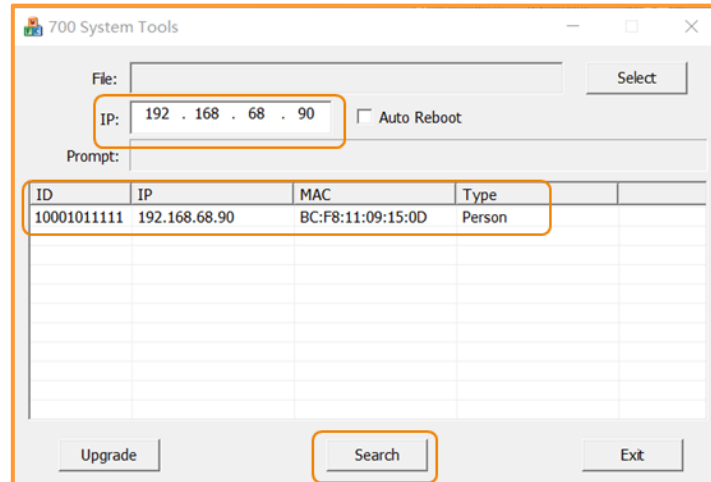
- ◆ Step 2: Click **Room**. If it needs you to type in password, please remember the password is: **123456**. Then you will see **Building, Unit and Room number**.



4.3 Check Building and Unit number of Villa Panel

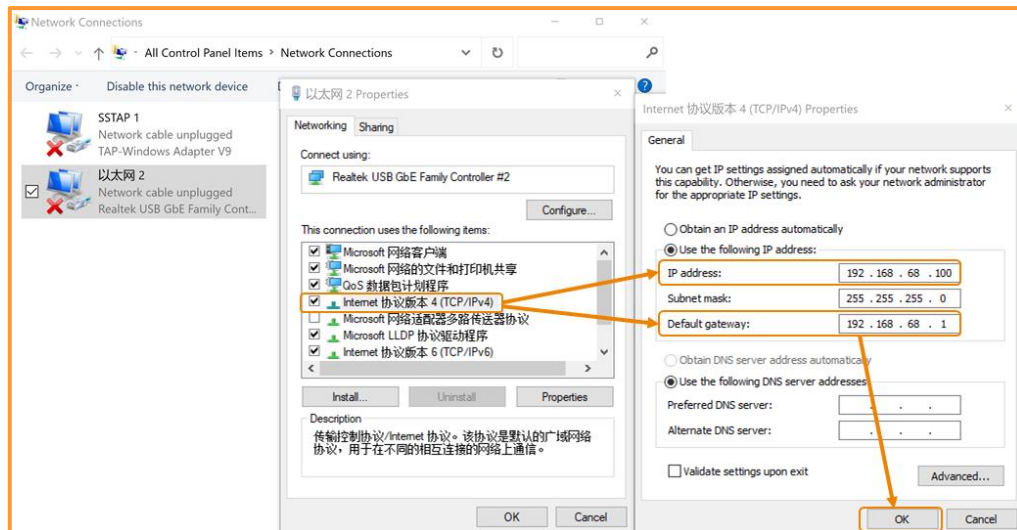
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2. Change your computer's Internet Protocol v4 (TCP/IPv4).

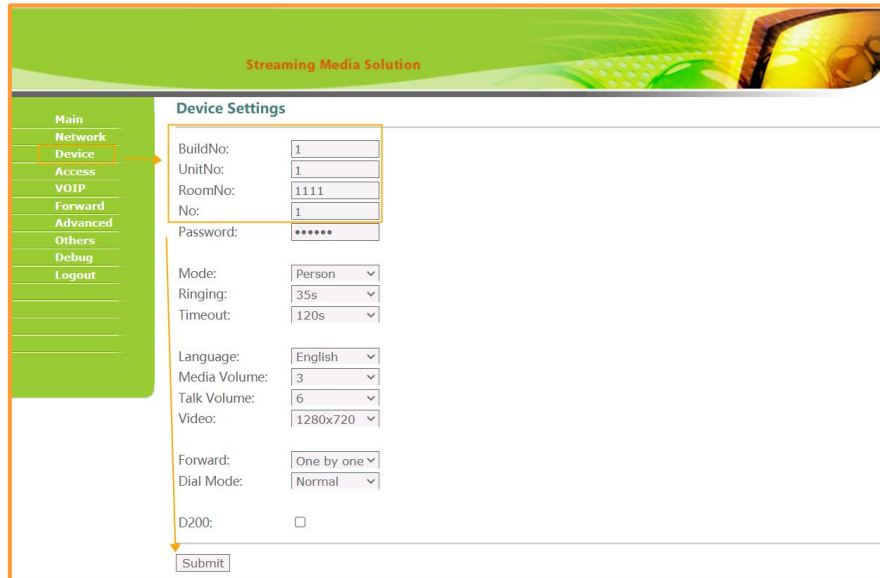
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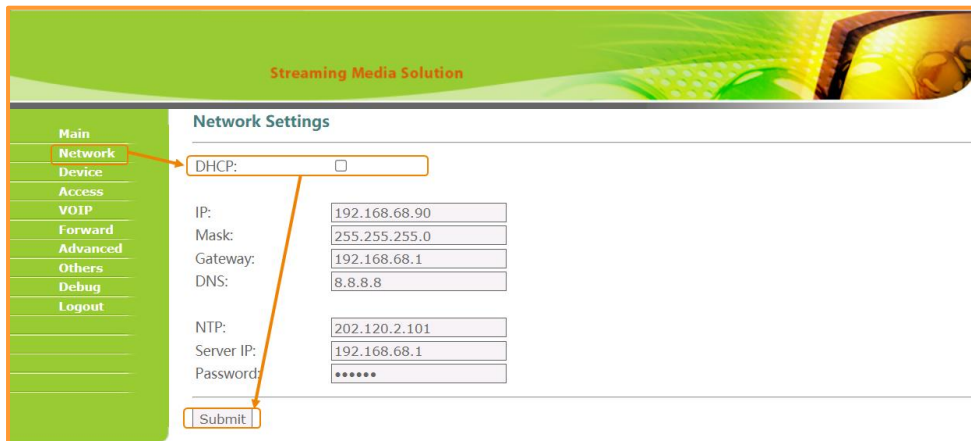
3. The followings are the steps to check numbers of the Villa Panel.

- ◆ Step 1: After the settings, you can double click IP address of the Villa Panel on the page of **Remote Upgrade** to open the website. You can also put Villa Panel's IP address in the browser's search bar to log in its webpage with account: **Admin** and password: **123456**.

- ◆ Step 2: Go to **Device** to check the **Build, Unit and Room number**. Make sure the **Build, Unit and Room number** of the Villa Panel is the same as the Indoor Monitor's.



- ◆ Step 3: Go to **Network**. **Enable DHCP and Submit**. This step is to guarantee the connection with other devices under the same LAN.



4.4 Call Linux Indoor Monitor by Villa Panel

1. After you have confirmed these numbers, you can try to call the Indoor Monitor. Press **the Button** on the Villa Panel to make this call.



2. You can **answer, reject, open the door, or speak** with the visitor on the Linux Indoor Monitor.



3. Congratulations. You have done a good job. Villa Panel is successfully connected to Linux Indoor Monitor.



5 Outdoor Station Features

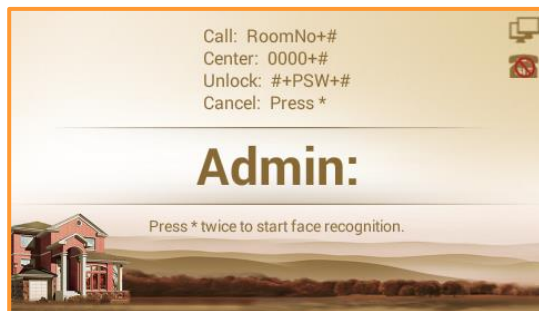
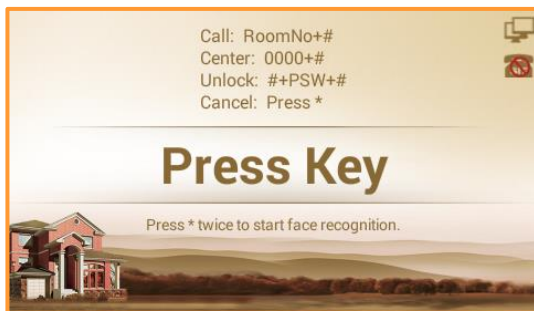
Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. Outdoor Stations, computer and Indoor Monitor are under the same LAN.

5.1 Face recognition

1. The followings are the steps to input face information to Outdoor Station.

- ◆ Step 1: Press # twice on the keyboard of Outdoor Station to go to **Admin**, and then enter the **default password: 123456**. (Keyboard on Outdoor Station—#: enter; *: back; : up; : down)



- ◆ Step 2: Select **Face Settings**. Press # to get in.
- ◆ Step 3: Enable **Recognizer**. **Similarity** and **Live Detect** are for you to customize. **Similarity** (Low, Normal or High) is the ability to distinguish different faces. **Live Detect** (Close, Normal or High) is the ability to detect whether the detected is a living thing or not.



- ◆ Step 4: Select **Register**, type in your **Room No.** and then you can input face information by allowing the camera of the Outdoor Station to capture your face. You can input 10,000 different face information at most by repeating the process just mentioned.



2. The followings are the steps to test face recognition:

- ◆ Step 1: Go back to home page.
- ◆ Step 2: Press * twice to start face recognition. Stand still in front of the camera and let it capture your face you have just input. The door will automatically open for you.



5.2 Card management

1. Add and delete card by Outdoor Station

a. Add card by Outdoor Station

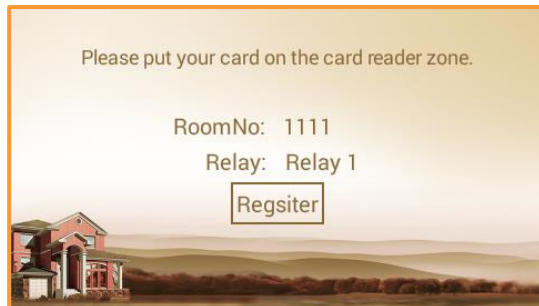
- ◆ Step 1: Press # twice on the keyboard of Outdoor Station to go to **Admin**, and then enter the **default password: 123456**. (Keyboard on Outdoor Station——#: enter; *: back; : up; : down)



- ◆ Step 2: Select **Card Settings**. Press # to get in.



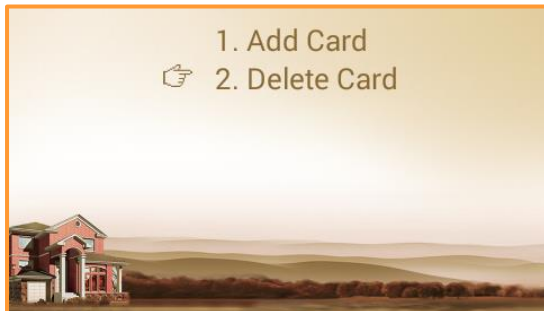
- ◆ Step 3: Press # to get in **1. Add Card**. Press # to type in **RoomNo** and press # to make sure. **Relay 1** is the default lock. You don't need to change it if your Outdoor Station just connects one lock. Remember to press # to **Register**.



- ◆ Step 4: Please **swipe your card** on the card reader zone. If this card is unregistered and available, this card is successfully added.

b. Delete card by Outdoor Station

- ◆ Step 1: Press # to get in **2. Delete Card**.
- ◆ Step 2: Press # to type in **RoomNo** and press # to make sure and Press # to **Delete**. All cards under this **RoomNo**. will be deleted.



2. Admin Card

a. Add an admin card to the device:

- ◆ Step 1: You can double click IP address of the Outdoor Station on the page of **Remote Upgrade** to open the website. You can also put Outdoor Station's IP address in the browser's search bar to log in its webpage with account: **admin** and password: **123456**.
- ◆ Step 2: Click **Access**.
 - If you are aware of admin card No., you can enter card No. of the admin card in the box after **Admin Card** and submit. And then this card becomes an admin card.
 - If you are not aware of admin card No., please enter 0 in the box and submit. Please **swipe your card** on the card reader zone and then this card becomes an admin card.

b. Add other cards by admin card:

- ◆ Swipe your admin card once and then swipe other cards immediately. Other cards you have swiped can be used to open the door.
- ◆ Please note that admin card can only be used to add cards. It cannot be used to open the door.
- ◆ All cards added by admin card can only be deleted by defaulting the settings.

5.3 Speed Dial by 280D-A6/A5

1. The followings are the instructions for 280D-A6/A5 Speed Dial.

- ◆ Step 1: You can double click IP address of 280D-A6/A5 on the page of **Remote Upgrade** to open the website. You can also put Outdoor Station's IP address in the browser's search bar to log in its webpage with account: **admin** and password: **123456**.
- ◆ Step 2: Click **Advanced**. Turn on **Speed Dial** and **Submit**.

- ◆ Step 3: Click **Device**. Make sure **Mode** is **Unit**.

- ◆ Step 4: Go to **Device** to check the **Build and Unit number**. Make sure the **Build and Unit number of Indoor Monitor** is the same as 280D-A6/A5's. And the room number of Indoor Monitor should be number 1 to number 8 because buttons on 280D-A6/A5 is only number 1 to number 8.

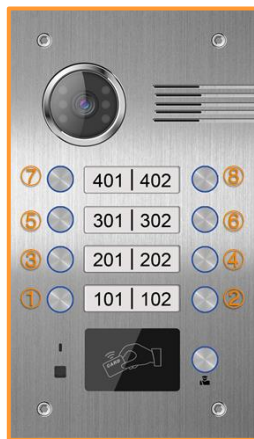
The buttons on 280D-A6/A5 stand for **RoomNo**. The room numbers and buttons are always related. Name cards in the middle are for you to customize. Please refer to the following pictures:



- ◆ Step 5: Press the button 1 of 280D-A6/A5, room No 1 Indoor Monitor will ring. Others are the same.

2. Customize your room number of Indoor Monitor while using 280D-A6/A5's **Speed Dial**.

- ◆ Step 1: Make sure **Speed Dial** on the **Advanced** page is on and **Mode** is **Unit** on the **Device** page.
- ◆ Step 2: Click **Forward**. Type in **RoomNo** such as 1, 2, 3, 4. The **Account** should be SIP:(random number)@(IP address of Indoor Monitor). Random number means which number is OK like 1, 2, 3. Here are some examples of **Account**: sip:1@192.168.18.102, sip:2@192.168.18.99, [sip:4@192.168.18.9](#). For example, if your Indoor Monitor's room number is 101 (>button number of your 280D-A6/A5), you should do it in this way.



RoomNo:	Account:	RoomNo:	Account:	RoomNo:	Account:
1	sip:1@192.168.18.102	2	sip:2@192.168.18.99	4	sip:4@192.168.18.90

- ◆ Step 3: Click **Submit**. And then you can call the correspondent Indoor Monitor.

3. Disconnect 280D-A6/A5 with the Indoor Monitor

- ◆ Step 1: Click **Forward**.
- ◆ Step 2: Type in **RoomNo** and **Account** and turn on **Delete**.
- ◆ Step 3: Click **Submit**. The correspondent Indoor Monitor will be disconnected with 280D-A6/A5.

RoomNo:	Account:	RoomNo:	Account:	RoomNo:	Account:
1	sip:1@192.168.18.102	2	sip:2@192.168.18.99	4	sip:4@192.168.18.90

6 Indoor Monitor Features

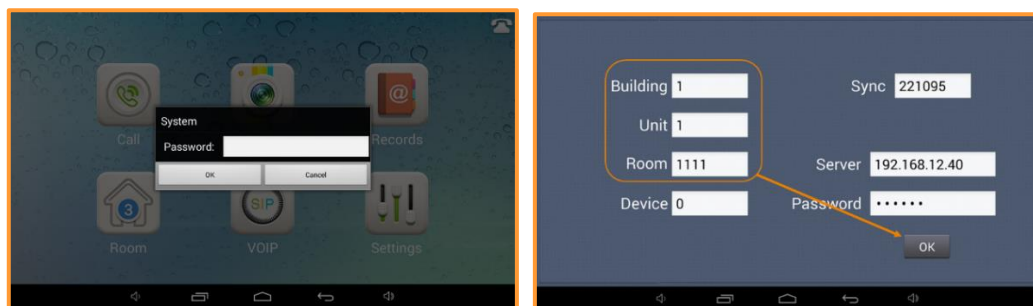
6.1 Make main and sub-Indoor Monitors ringing at the same time

1. Connect the Ethernet cable to two or more Indoor Monitor (Up to 5 sub-Indoor Monitors supported) and Outdoor Station. Please keep them under **the same LAN**.
2. Make main and sub-Android Indoor Monitors ringing at the same time

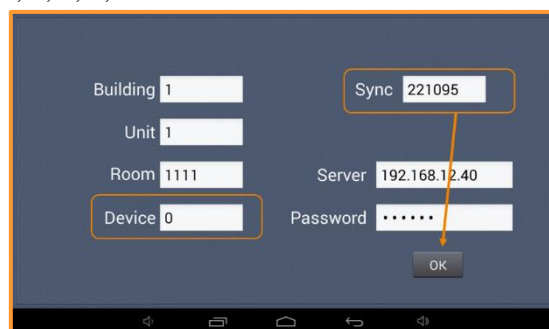
◆ Step 1: Go to the **home page** of Android Indoor Monitor. **Click VOIP**.



◆ Step 2: Click **Room**. If it needs you to type in password, please remember the password is: **123456**. Then you will see **Building, Unit and Room number**. **Building, Unit and Room number** of main Android Indoor Monitor should be the same with sub one's.



◆ Step 2: **Device number** of main Android Indoor Monitor should stay the same which is number 0. **Device number** of sub one should be changed to other number except number 0 such as number 1, 2, 3, 4, 5.



◆ Step 3: **Sync number** of both Android Indoor Monitors should be the same. Please

remember to click **OK** to save your settings.

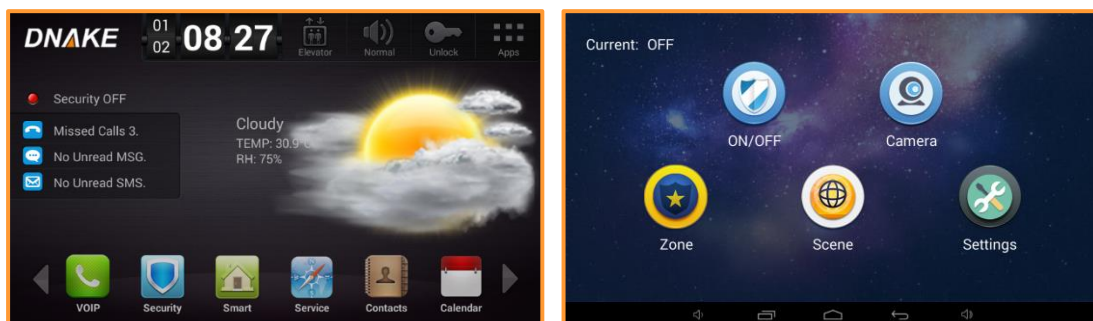
- ◆ Step 4: Now you can call either main or sub-Android Indoor Monitors by Outdoor Station. Both of main and sub one will ring when receiving a call. You can answer by main or sub one as you like.
- 3. Make main and sub-Linux Indoor Monitors ringing at the same time
- ◆ The steps are basically the same with the settings to make Android Indoor Monitors ringing at the same time.

6.2 IP camera monitoring

1. Connect the Ethernet cable to both IP Camera and Indoor Monitor. Please keep them under **the same LAN**.
2. Add IP Camera to the Indoor Monitor on the website:
 - ◆ Step 1: You can double click IP address of the Indoor Monitor on the page of **Remote Upgrade** to open the website. You can also put Indoor Monitor's IP address in the browser's search bar to log in its webpage with account: **user** and password: **1234**.
 - ◆ Step 2: Go to **IPC** to name IP camera and type in **URL**. URL contains account, password, and IP address. Make sure **URL** of the IP Camera is right. Do not forget to **Submit**.



3. Add IP Camera to the Indoor Monitor's Camera page
 - ◆ Step 1: Go to **home page** of Indoor Monitor and click **Security**.



- ◆ Step 2: Click **Camera** to enter the monitoring page and click the upper **camera icon** to monitor the camera.



The followings are introductions about the direction key to control monitoring of cameras:

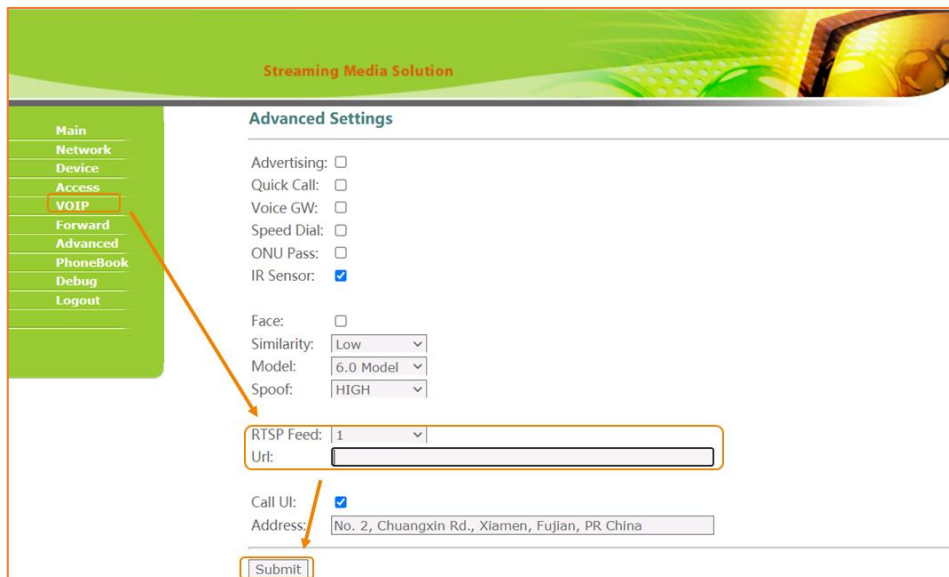
- ◆ The **name** of IP Camera you are watching is in the center of the direction key.
- ◆ The upper **camera icon** is for starting monitoring and the **pause** key is below the direction key.
- ◆ The left and right key is for **switching** the cameras.

6.2 Switch the video between Outdoor Station and IP camera

1. Connect the Ethernet cable to IP Camera, Outdoor Station, and Indoor Monitor. Please keep them under **the same LAN**.

2. Add IP Camera to the Outdoor Station on the website:

- ◆ Step 1: You can double click IP address of the Outdoor Station on the page of **Remote Upgrade** to open the website. You can also put Outdoor Station's IP address in the browser's search bar to log in its webpage with account: **admin** and password: **123456**.
- ◆ Step 2: Go to **Advanced** to select **RTSP Feed** and type in **URL**. URL contains account, password, and IP address. Make sure **URL** of the IP Camera is right. Do not forget to **Submit**.

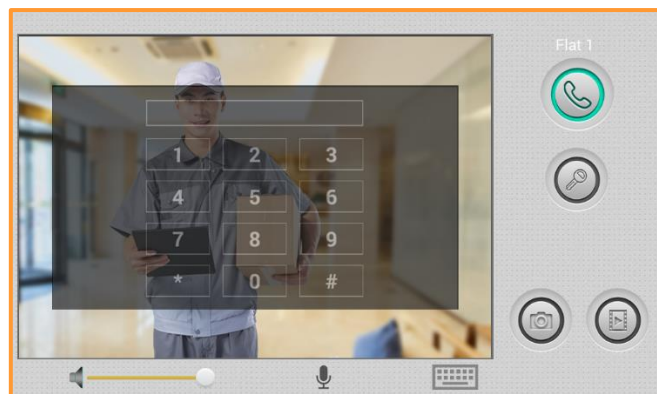


3. Switch the video between Outdoor Station and IP camera

- ◆ Step 1: **Call** Indoor Monitor by Outdoor Station and **answer** the call on Indoor Monitor.



- ◆ Step 2: Click the little **Keyboard icon** under the Monitoring screen.
- ◆ Step 3: You can switch the video between Outdoor Station and IP camera by clicking **number 1 and number 2** on the keyboard of the Monitoring screen you have just unfolded. You can open the door by pressing * and #.



- ◆ Step 4: Click the little **Keyboard icon** to fold the keyboard panel so that you can see the whole monitoring screen.