Fast operation of IP Small Apartment System

2017.8

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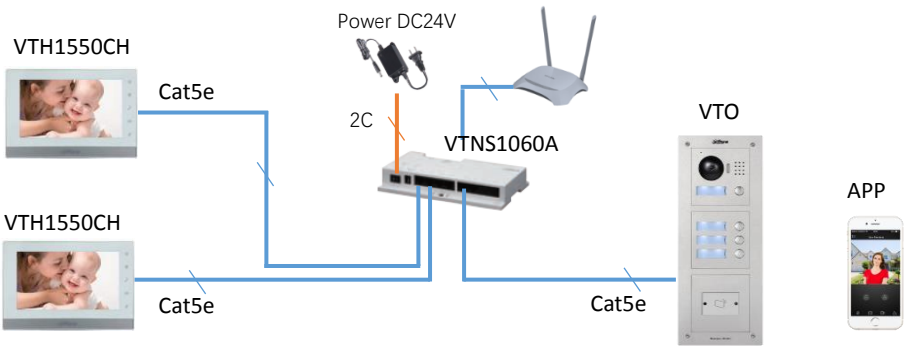
1. System structure

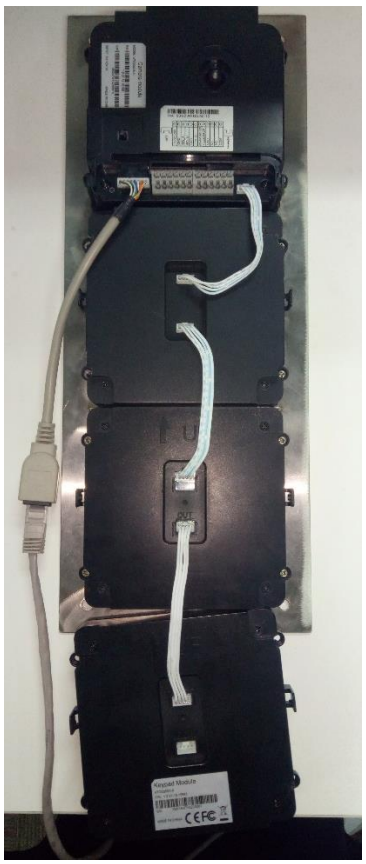
This document lists the involved firmware and software, and explains the configuration of IP Small Apartment solution, including the VTO, VTH, Wi-Fi Router and mobile App.

1.1 Overview



Note: VTH1550CH and VTO can be powered by VTNS1060A. Moreover, these devices can be powered individually with 12V/1A if you use other IP switch. Maximum support for 40 flat.

1.2 Demo environment



1.3 Firmware and software

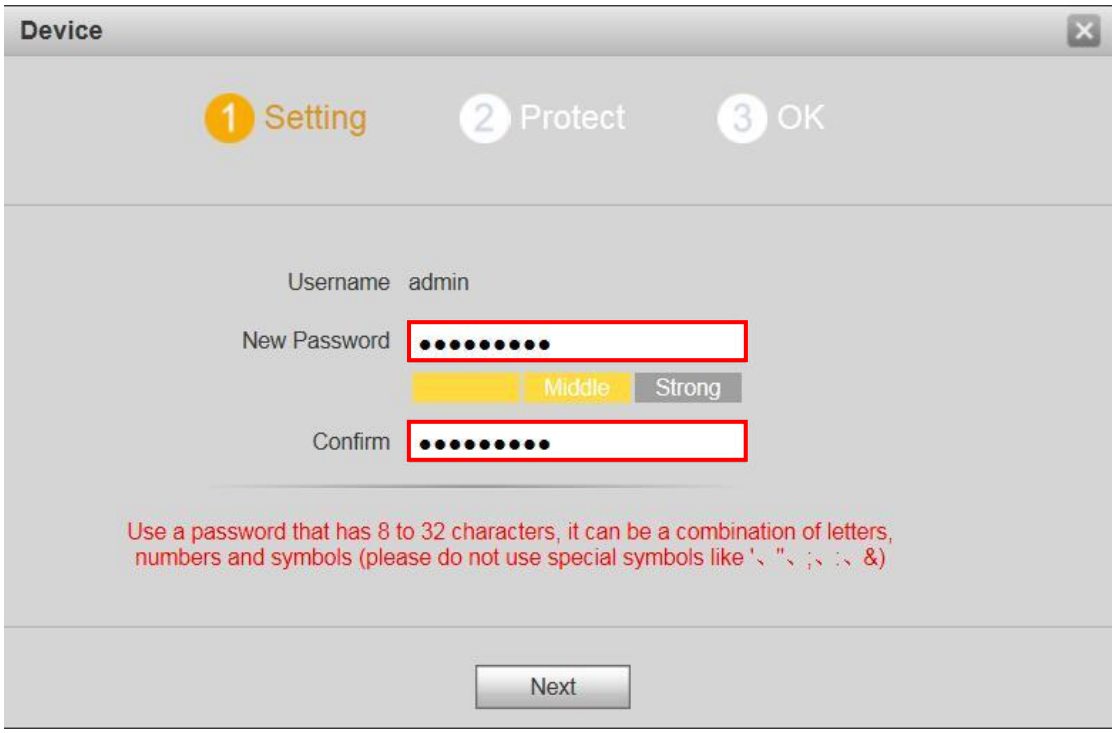
VTO2000A series	General_VTOXXX_Eng_P_16M_V3.120.0000.0.R.20170803 Device1 IP: 192.168.1.110	VT cybersecurity baseline
VTH1550CH	General_VTH151X_Eng_P_V4.000.0000.0.R.20170803 IP: 192.168.1.109 Room No.9901	VT cybersecurity baseline V4.0 indicates NEW UI
VTO1550CH	General_VTH151X_Eng_P_V4.000.0000.0.R.20170803 IP: 192.168.1.108 Room No.9902	VT cybersecurity baseline V4.0 indicates NEW UI
VTNS1060A		
DMSS	iOS Version 3.49.001 iDMSS Lite	
IE 11	Internet Explorer 11 Version :11.0.9600.18638	
Chrome	Google Chrome Version: 60.0.3122.113(64 bit)	
Windows 7	Windows 7 Enterprise edition	

2. How to configure modular VTO

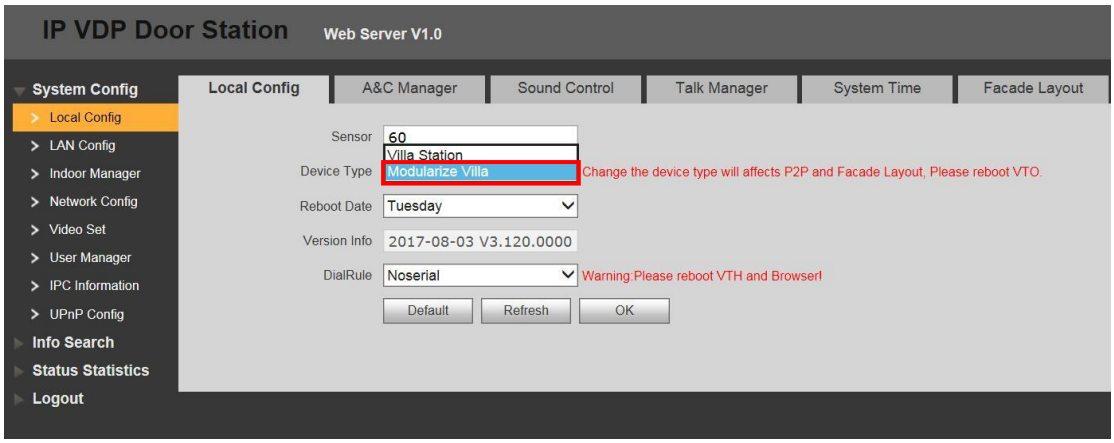
Note: When you want to connect the devices, please make sure the IP address of VTO and VTH are in the same network segment.

2.1 How to setup the VTO

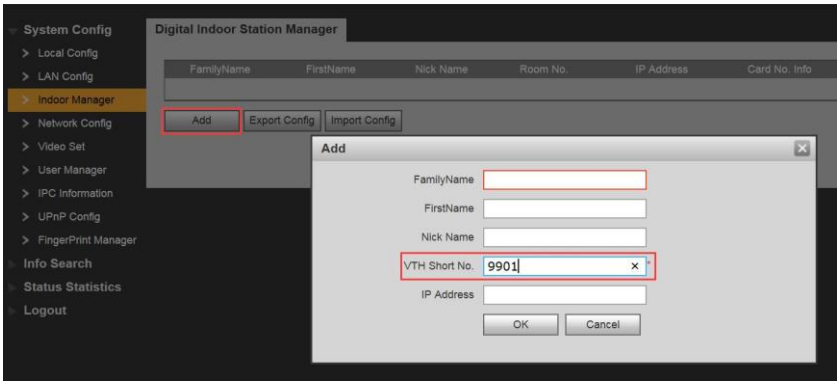
Step 1 Login http://192.168.1.110 as below pic. The first login requires changing password.



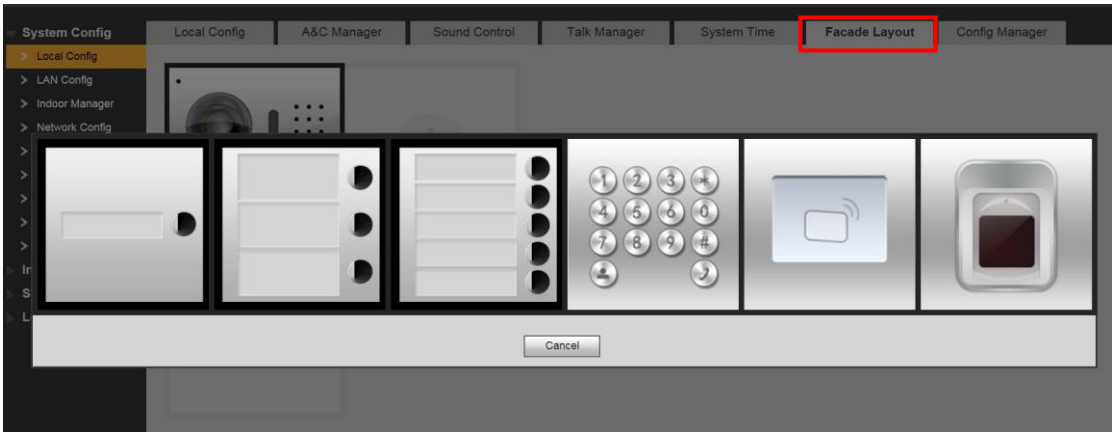
Step 2 System Config -> Local Config, setup the device type as 'Modularize Villa'. Click "OK" and reboot VTO.

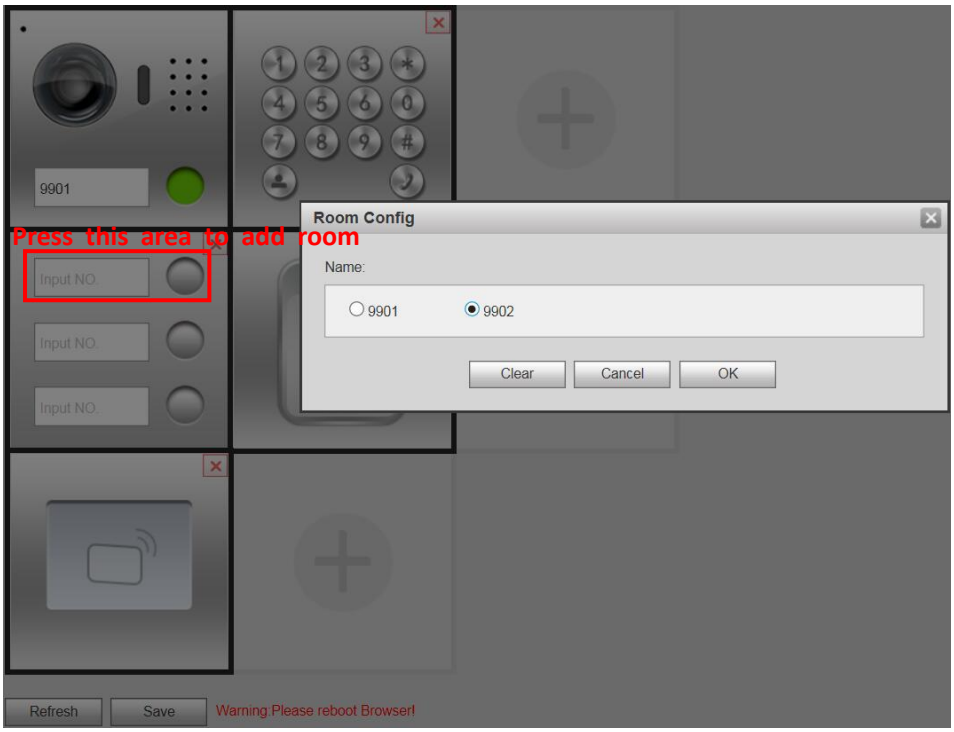


Step 3 Add VTH. System Config -> Indoor Manager, click on 'Add'. Input room number of VTH, such as 9901. The same to add 9902. Maximum support for 40 Flat.



Step 4 Select System Config>Local Config>Facade Layout. Select module according to actual VTO layout. Set corresponding room no. Of three buttons module. Save configure and reboot browser.

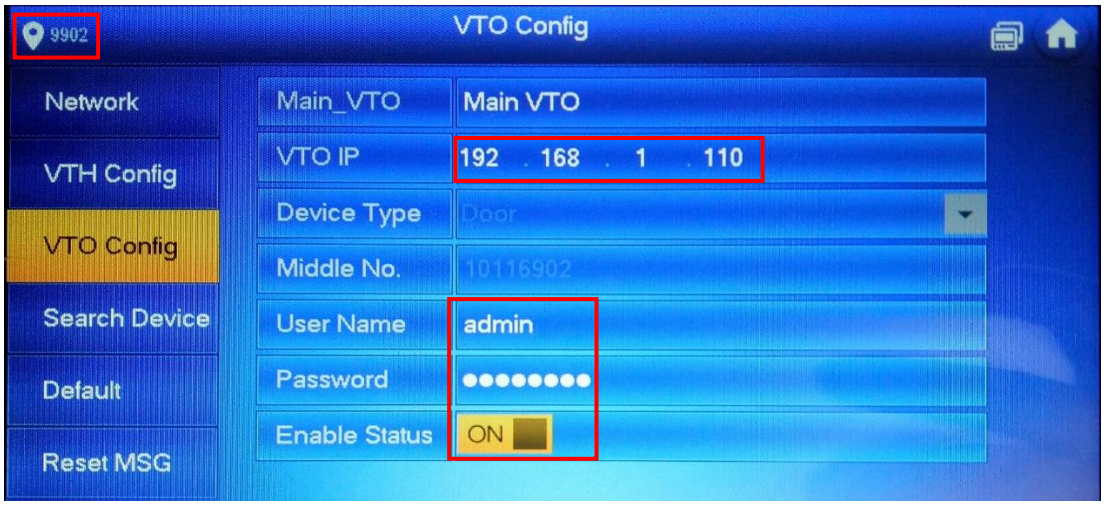




Step 5 Reboot the device.

2.2 How to setup the VTH

Add VTO on VTH. Reference: How to configure: 1 VTO + 1 VTH.



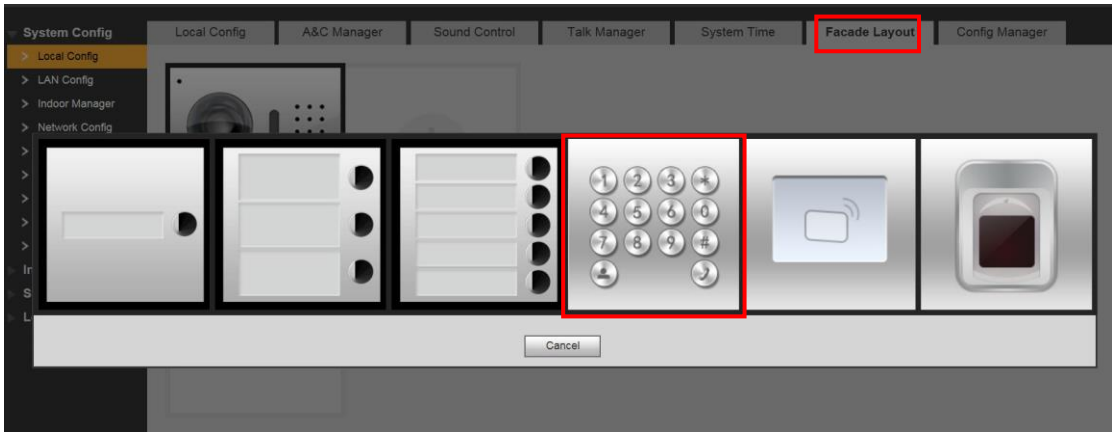
2.3 Check result

After the above operation steps, if the top right corner of VTH shows an icon with 'X' , means configuration failed. If shows , it means successfully.

3. How to use VTO2000A-K

Select System Config>Local Config>Facade Layout. Make sure you have added VTO2000A-K module.

Note: VTO200A-K can be used to input unlock password and call VTH room number in Modularize Villa. When used in Villa Station, it can only be used to input unlock password.

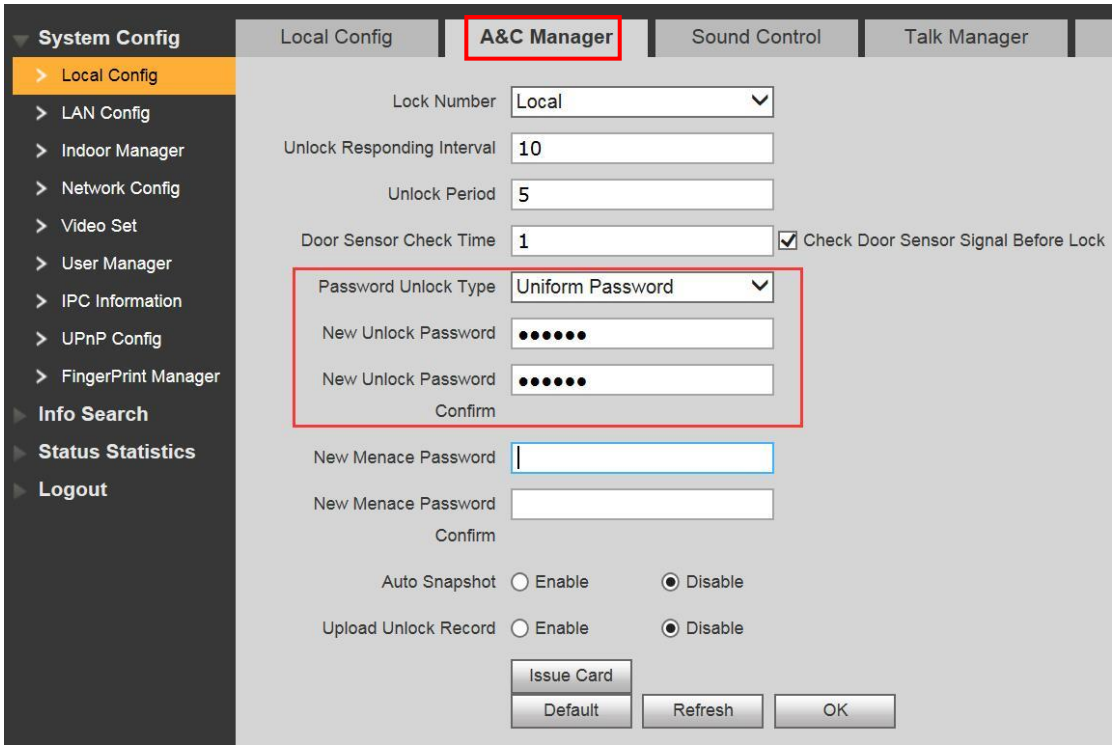


3.1 How to set password

There are two password unlock types, uniform password and self password. The two unlock types cannot be effective at the same time, so please select one to take effect.

3.1.1 How to set Uniform Password

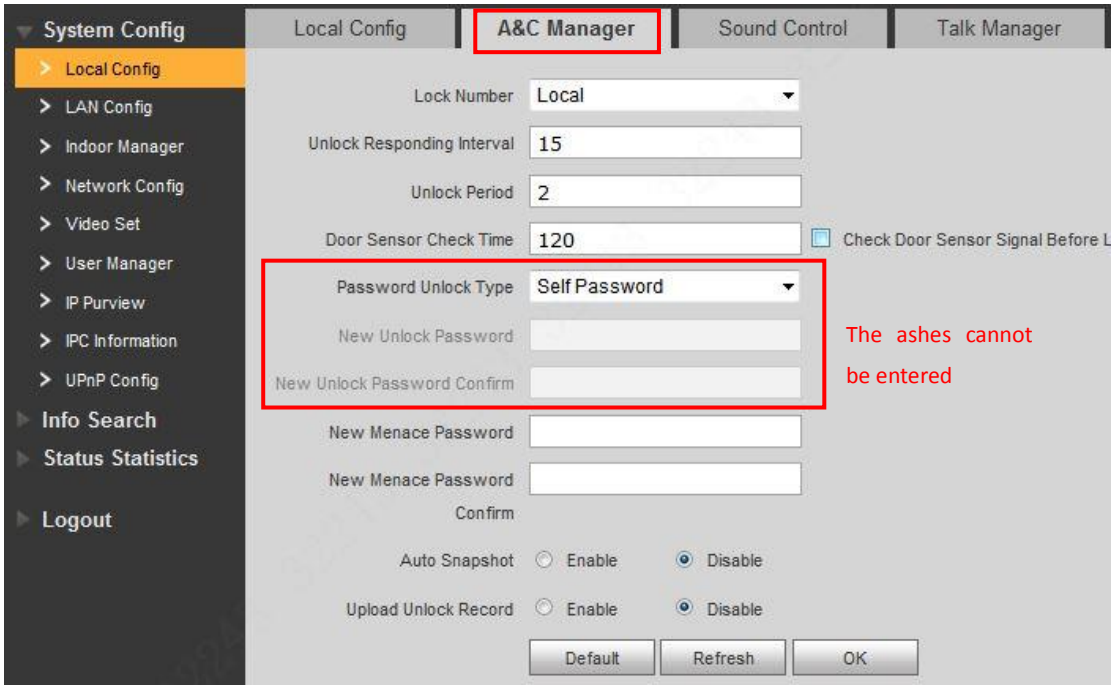
Step1 Select System Config >Local Config > A&G Manager. Select Password Type as 'Uniform Password'. Set new unlock password and save it.



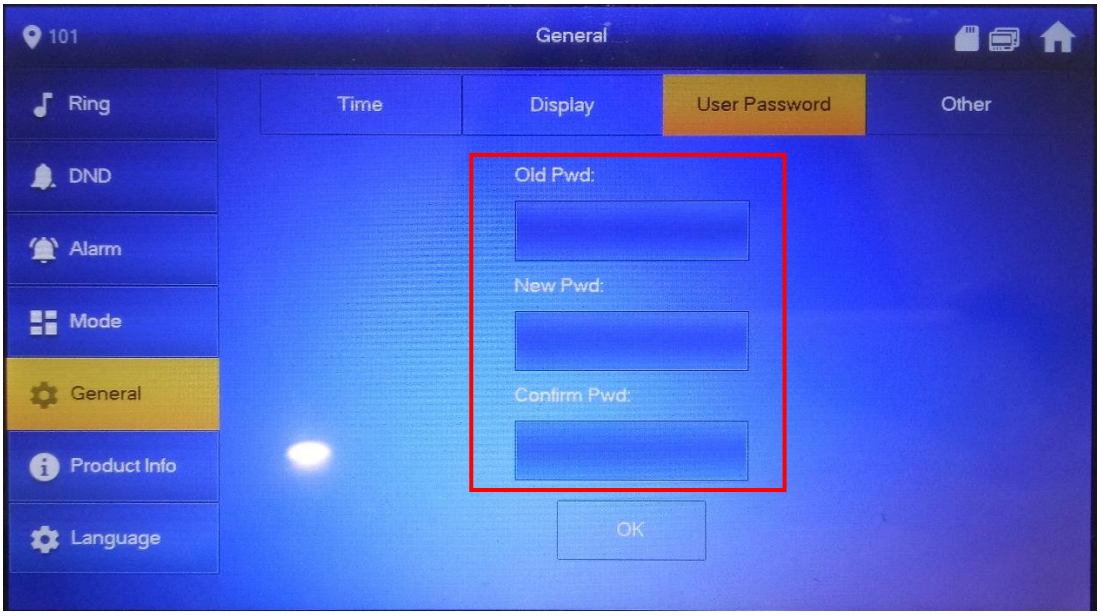
Step2 Input: #+password+#, the door will open.

3.1.2 How to set Self Password

Step1 Select System Config >Local Config > A&G Manager. Select Password Type as 'Self Password'.



Step2 Set Self Password at your own VTH. So its your self password which is different to others.



Step3 Input: #+Room No.+password+#, the door will open. The room number should be input as 4 digital. For example

1. Room 101, set unlock password as 123456, on the VTO, please input #0101123456#

2. Room 9901, set unlock password as 123456, on the VTO, please input #9901123456#

3.2 How to call room number

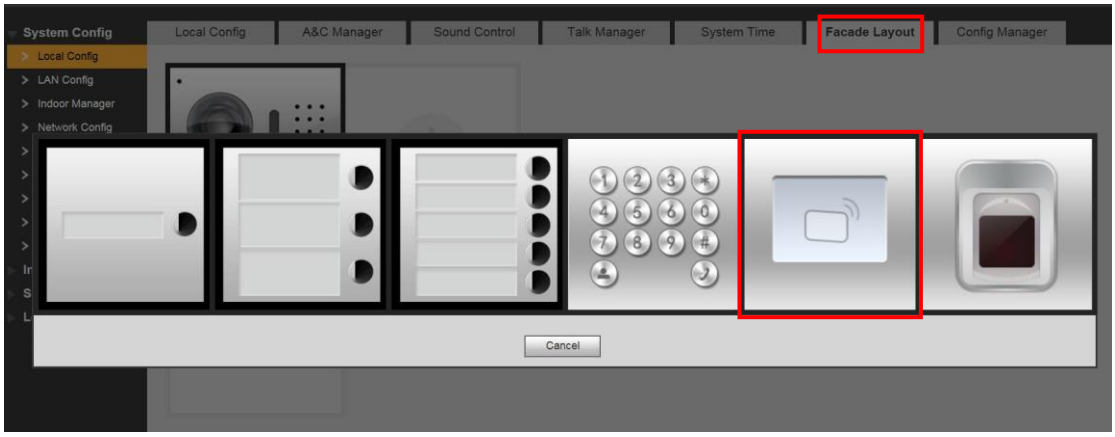
Note： Only when 'Device Type' is selected as 'Modularize villa' can it be used to enter password and call room number, otherwise it can only input password.

Step: Input room No. + , and there will be a call on VTH.

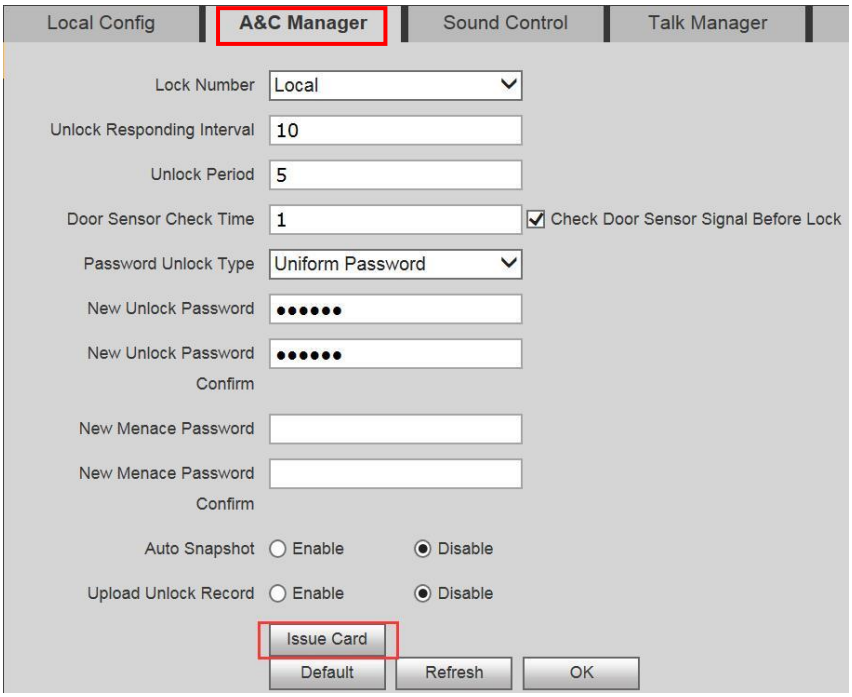
4. How to use VTO2000A-R

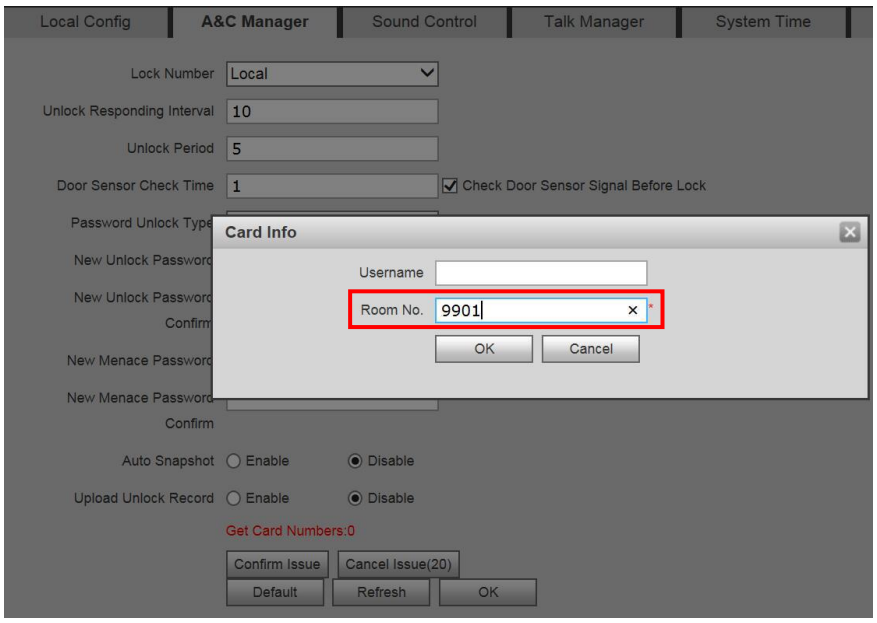
Note： Card type: Mifare card(13.56MHz)

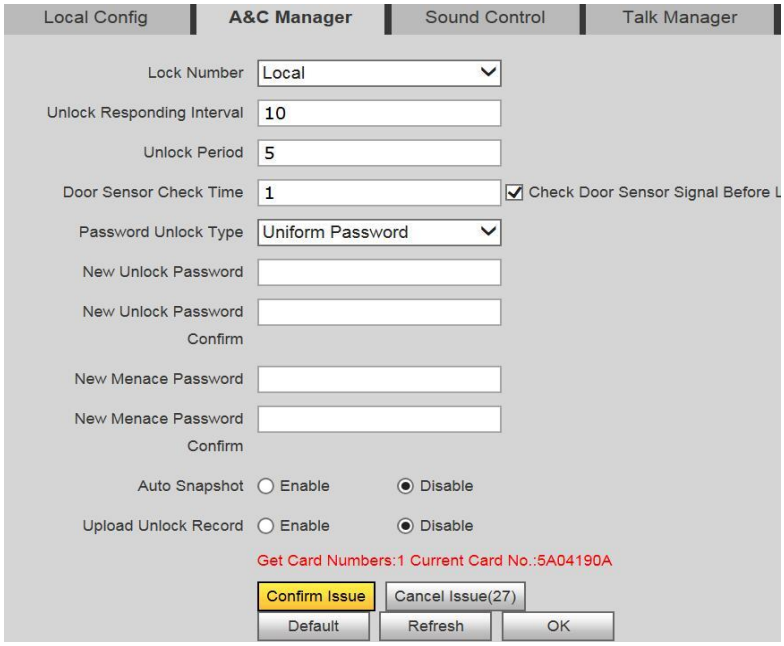
Step1 Select System Config>Local Config>Facade Layout. Make sure you have added VTO2000A-R module.



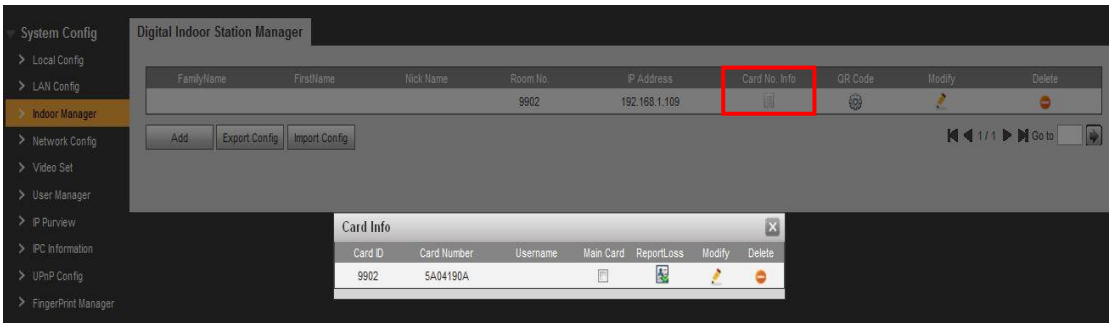
Step2 Select System Config >Local Config > A&G Manager. Issue card, input Room No. and confirm issue.




Local Config
A&C Manager
Sound Control
Talk Manager
System Time
Lock Number
Local
Unlock Responding Interval
10
Unlock Period
5
Door Sensor Check Time
1
Check Door Sensor Signal Before Lock
Password Unlock Type
New Unlock Password
New Unlock Password Confirm
New Menace Password
New Menace Password Confirm
Auto Snapshot
Enable
Disable
Upload Unlock Record
Enable
Disable
Get Card Numbers:0
Confirm Issue
Cancel Issue(20)
Default
Refresh
OK
Card Info
Username
Room No.
9901
OK
Cancel



Step3 You can check Card No. Info in Indoor Manager >Digital Indoor Station Manager.

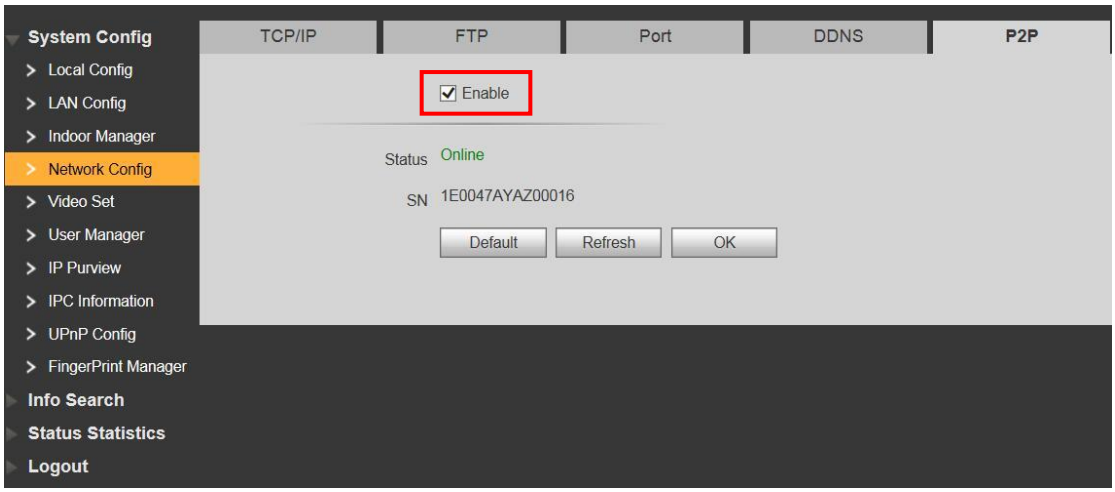


5. How to configure DMSS

5.1 How to setup the VTO

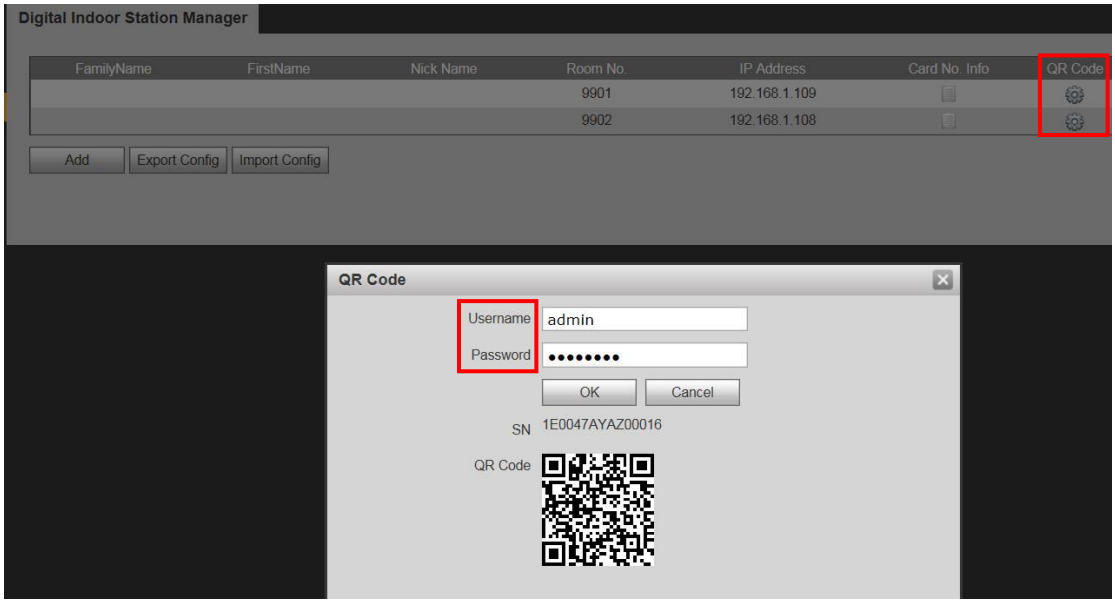
Step1 Configure the network. Enable P2P. When connected successfully, status shows "online".

Note: Device must connect to via WLAN.



Step2 QR code: Select System Config>Indoor Manager>9901/9902 QR code. Input 'Username and Password' of VTO web. Scan QR code on APP.

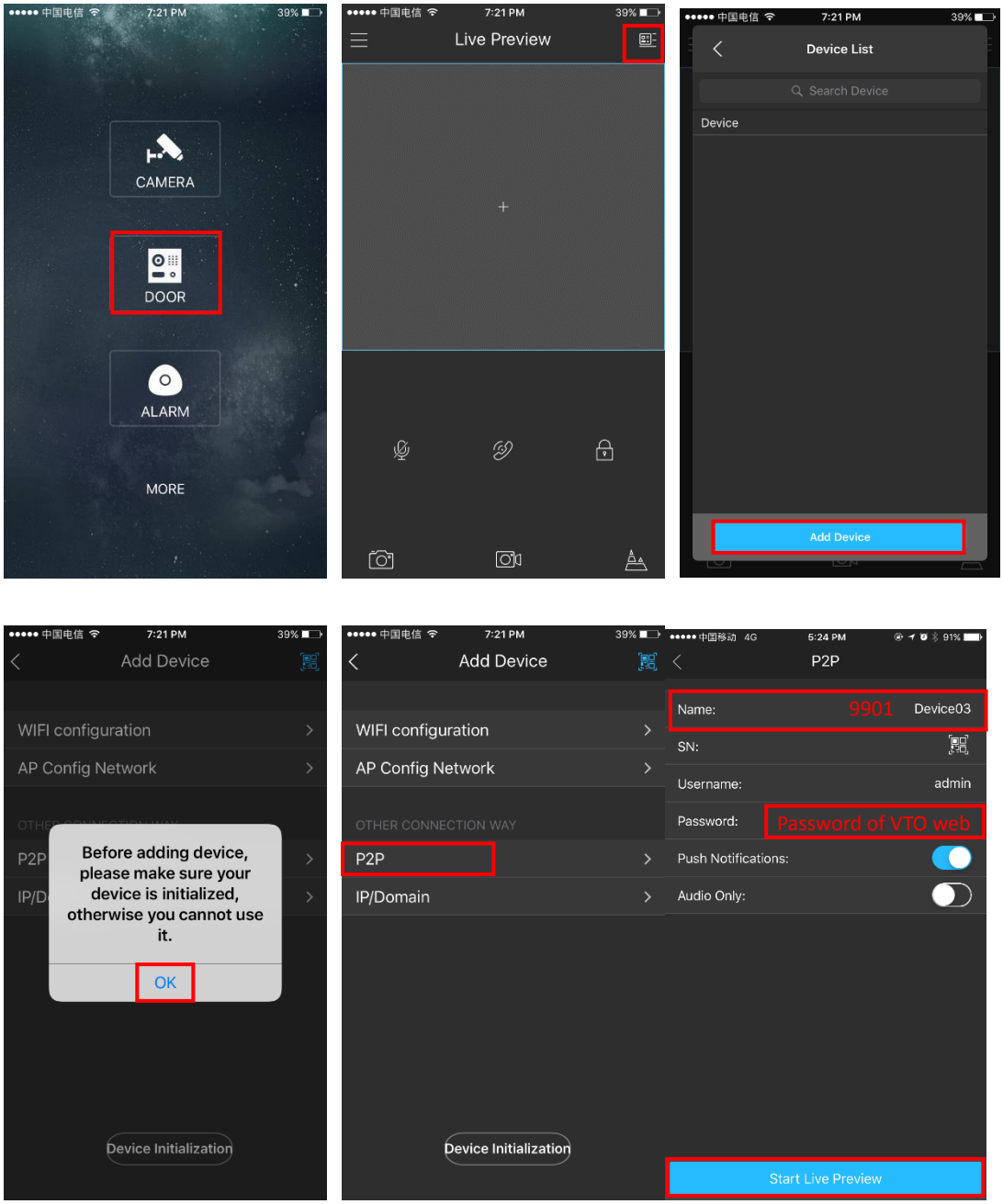
Note: Different room has different QR code.



5.2 How to setup DMSS

You need to download iDMSS from APP Store/Google play firstly.

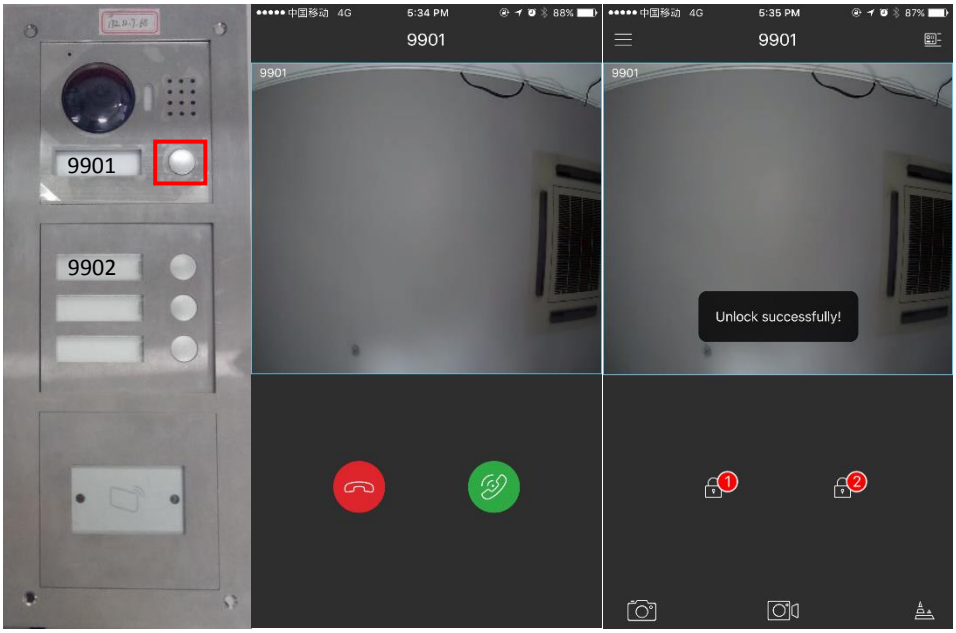
Step 1 Add device on mobile phone. Enter add device interface. Press P2P. Enter name, scan QR code of 9901, press Start Preview.

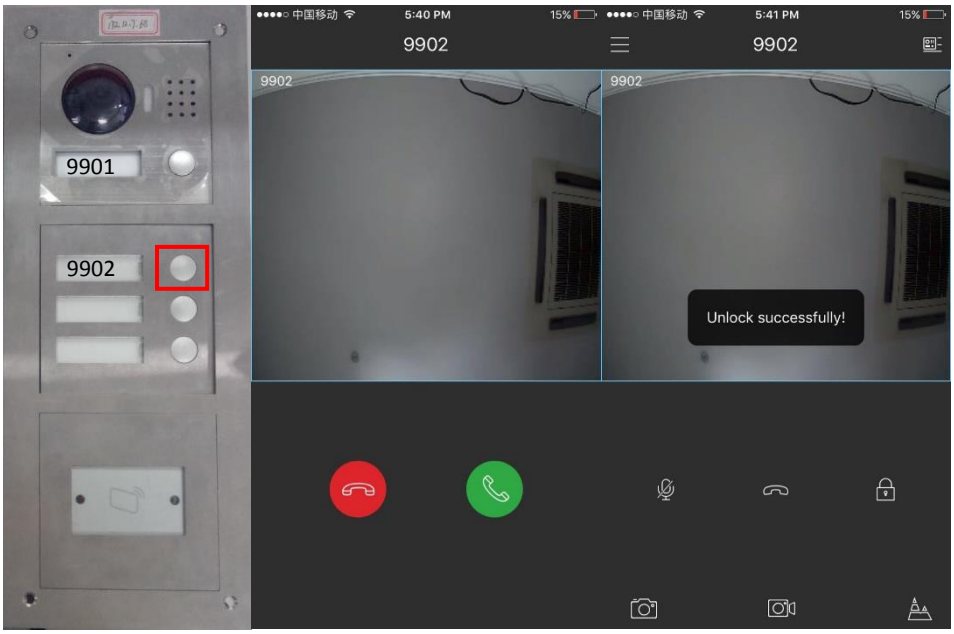


Step 2 Repeat step1 and scan to QR code of 9902 with another mobile phone.

5.3 Check result

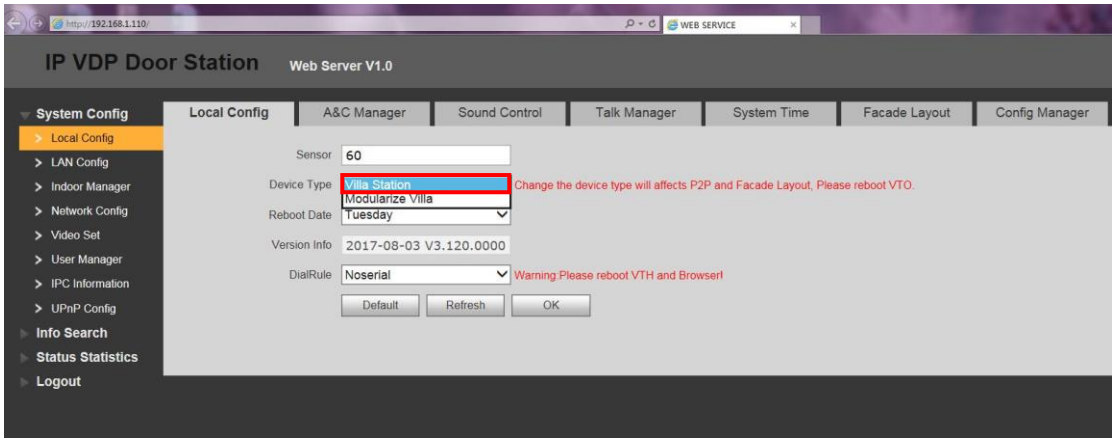
Press the corresponding button on VTO. There will be a call on your mobile.


9901
9902
5:34 PM
9901
9901
5:35 PM
9901
9901
Unlock successfully!

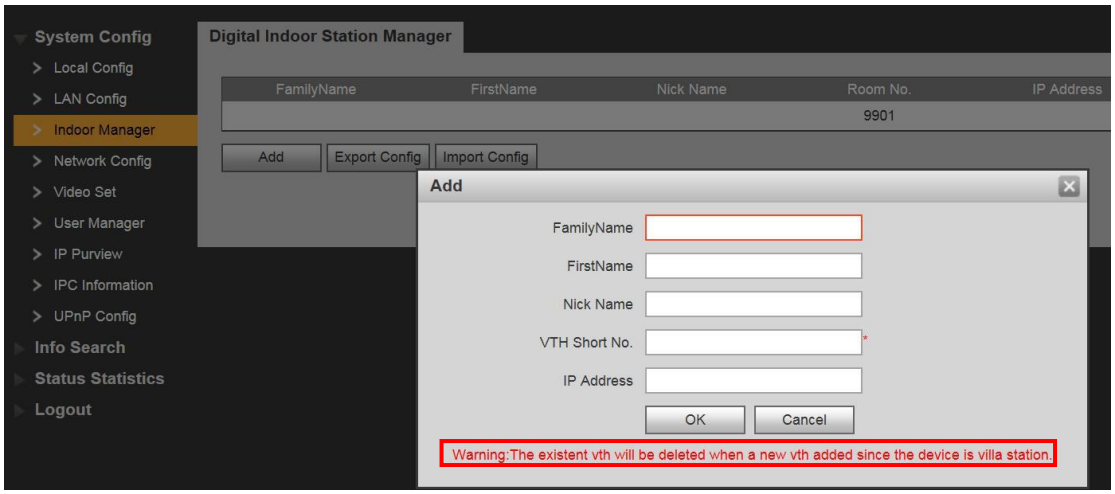

9901
9902
5:40 PM
9902
9902
5:41 PM
9902
9902
Unlock successfully!

6. What's the difference between Villa Station and Modularize Villa

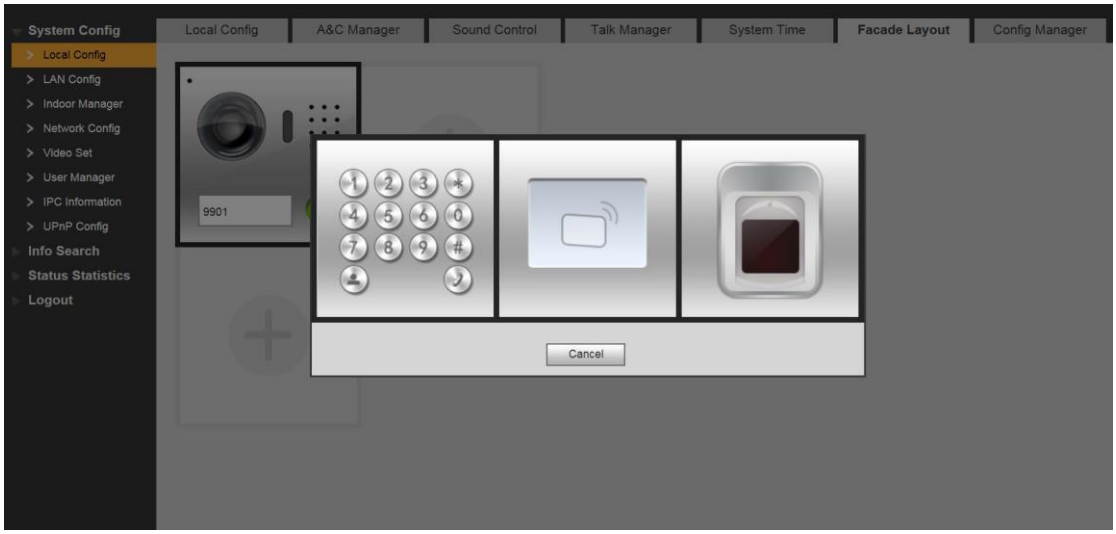
When you choose Device Type as Villa Station, there will be some difference with Modularize Villa.

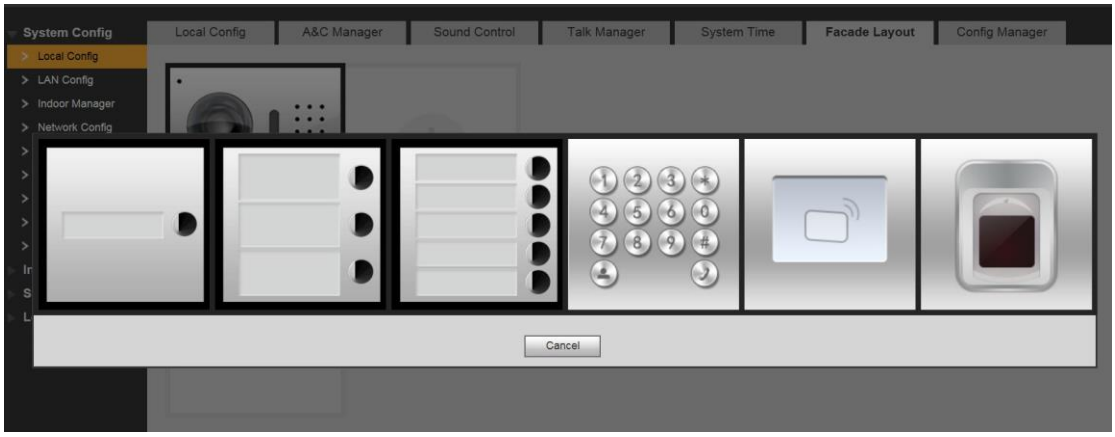


Difference 1：You can only add one VTH since the device is villa station. But on Modularize Villa, you can add up to 40 VTH on WEB.



Difference 2：In Façade Layout, there are three choices for Villa Station, which are used as door released. In this case, VTO2000A-K can be used to input password.



But, you can choose button modules for Modularize Villa, since it has more than one

flat. In this case, VTO2000A-K can be used to input password and call room number.