

# Quick Start Guide for IP Villa System

*Door Station as SIP Server*



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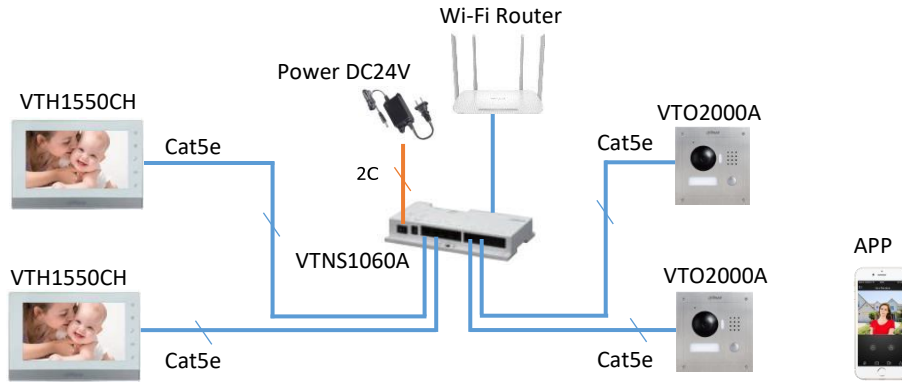
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## 1 System introduction

This document listed the involved firmware and software, and explained the configuration of IP villa solution, including the VTO, VTH, IP Camera, Wi-Fi Router and mobile App.

### 1.1 Structure



**Note:** VTH1550CH, VTH1550CH and VTO2000A can be powered by VTNS1060A. Moreover, these devices can be powered individually with 12V/1A if you use other IP switch.



### 1.2 Demo environment



### 1.3 Firmware and software

VTO2000A	<p>General_VTOXXX_Eng_P_16M_SIP_V4.300.000000.1.R.20190305</p> <p>Device1 IP: 192.168.1.110</p> <p>VTO NO: 6901</p>	V4.3 baseline (SIP)
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VTO2000A	<b>General_VTOXXX_Eng_P_16M_SIP_V4.300.0000000.1.R.20190305</b> Device IP: 192.168.1.111 VTO NO: 6902	V4.3 baseline (SIP)
VTH1550CH	<b>General_VTH151X_Eng_SIP_V4.300.0000000.8.R.20190316</b> Device IP: 192.168.1.107 Room NO: 101#0	V4.3 baseline (SIP)
VTO1550CH	<b>General_VTH151X_Eng_SIP_V4.300.0000000.8.R.20190316</b> Device IP: 192.168.1.108 Room No: 101#1	V4.3 baseline (SIP)
IE 11	 Internet Explorer 11 Version :11.0.9600.18762	
Chrome	 Google Chrome Version: 60.0.3122.113( 64 bit)	
Windows 7	Windows 7 Enterprise edition	

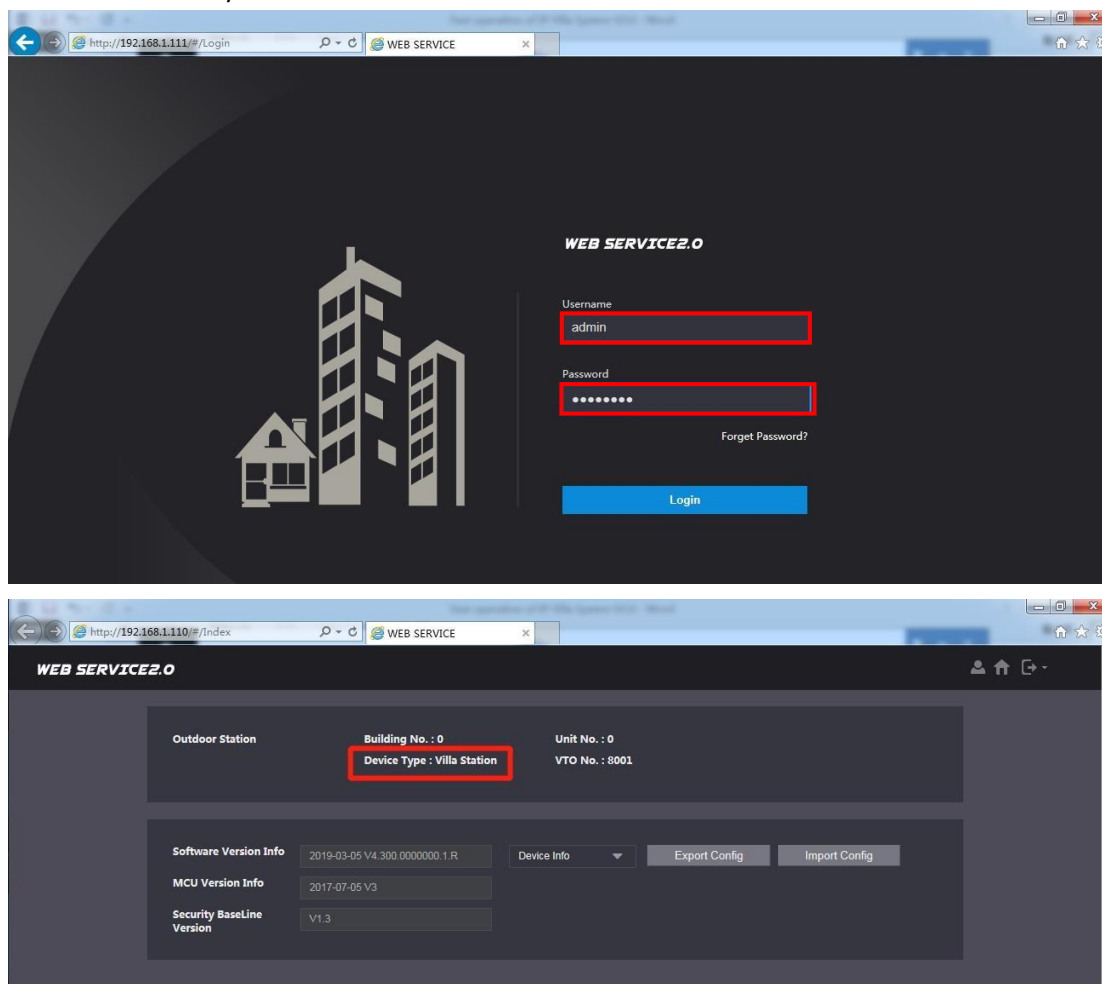


## 2 How to configure: 1 VTO + 1 VTH

**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 for security.



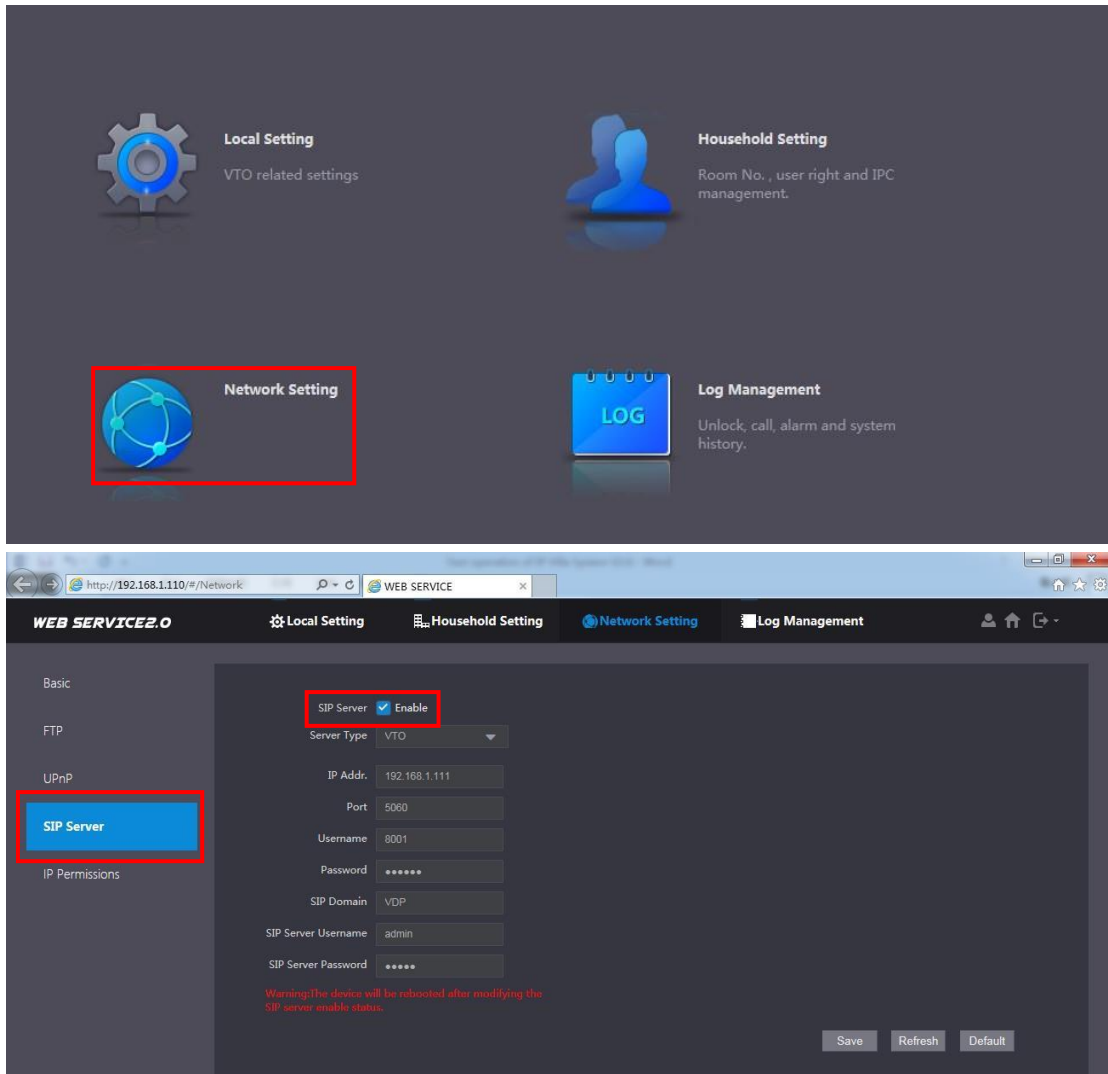
**Step 2** In the home page, make sure the 'Device Type' is 'Villa Station' (you can set the device type via Local Setting).

**Note:** 'VTO NO.' Should be different if there are more than 1 door station in the system.

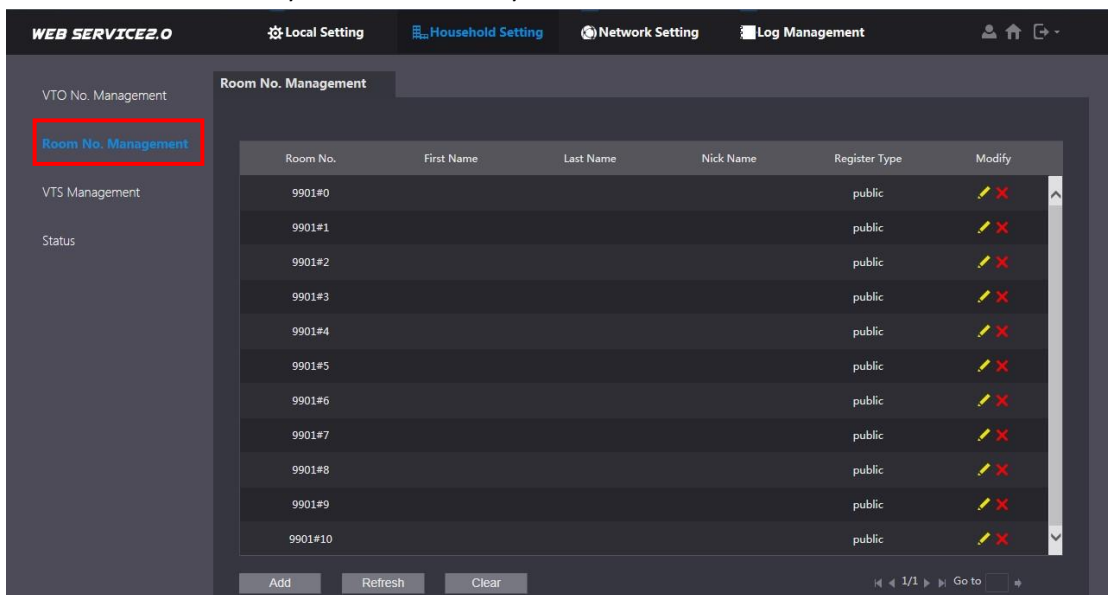
**Step 3** Network Setting -> SIP Server, Enable 'SIP Server' and all the following parameters can be left as default.

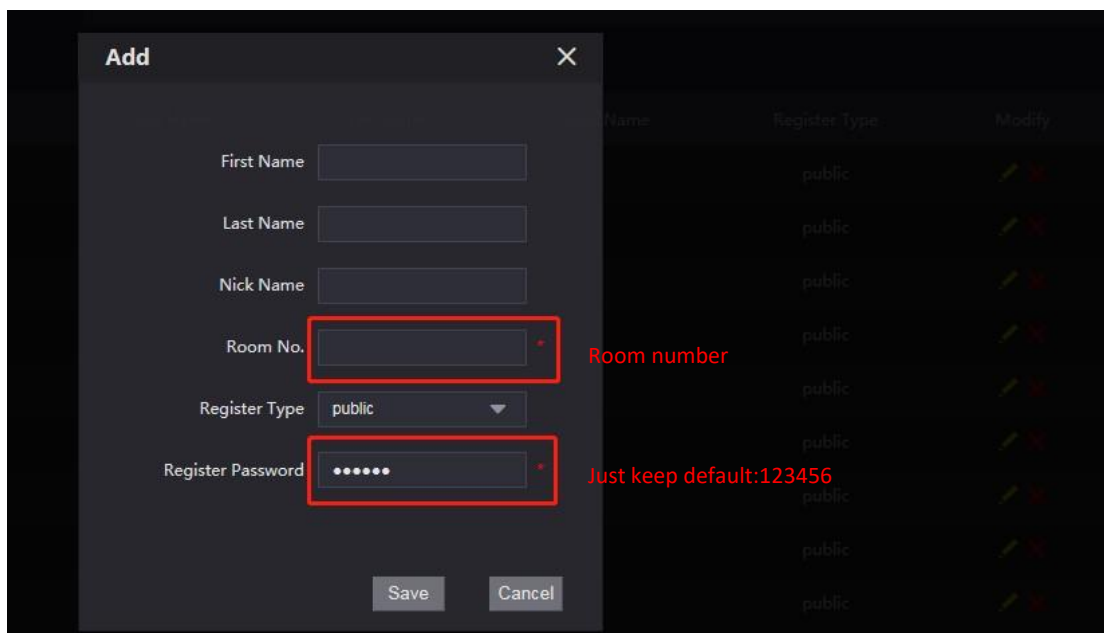
**Note:** This operation means you set this VTO as a SIP server. This function is 'Enable' by default. If it is a new device, step 3 can be skipped.





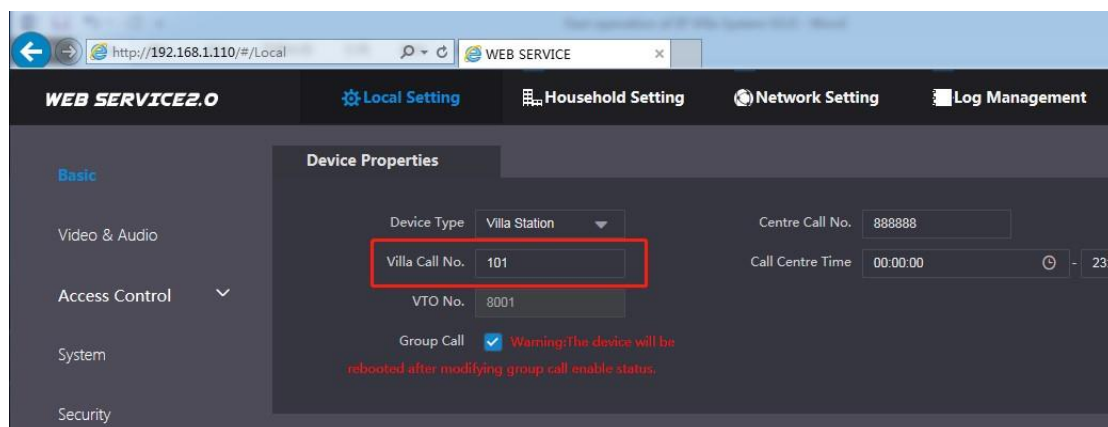
**Step 4** Household Settinging -> Room No. Management, room list has been created automatically. You can also add your own room number. Click 'add' and fill





**Note:** if you add a new room number which you want to call, you need to set 'villa call No.' to this new number. Local Setting -> Villa Call No.

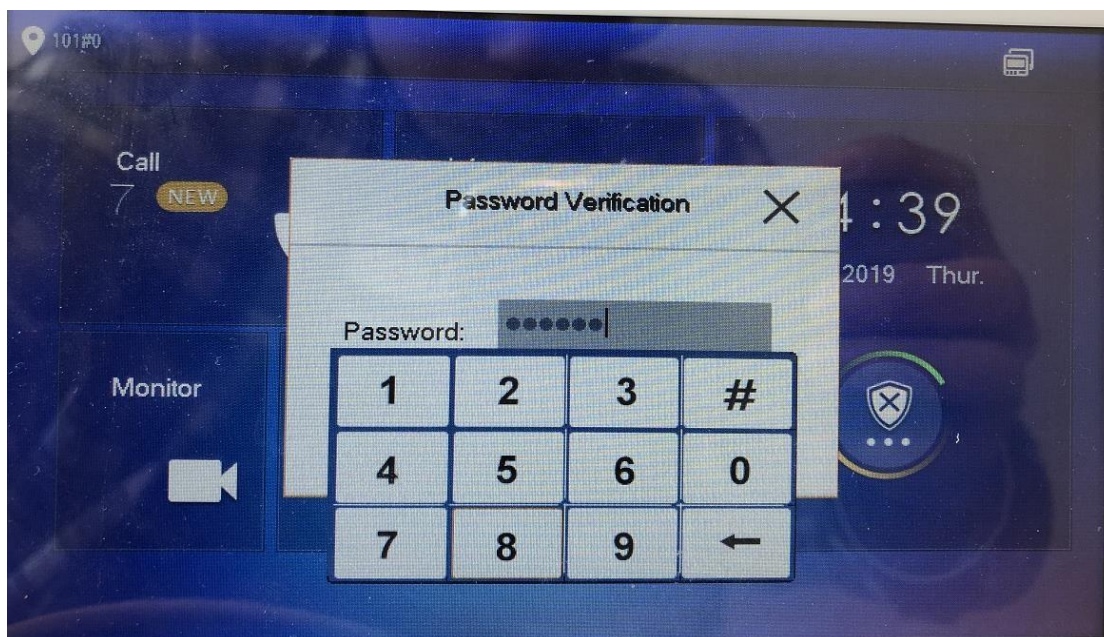
The configuration of the door station is completed.



## 2.2 How to setup the VTH

**Step 1** Long press the 'setting' icon (for about 6 seconds) -> password verification (you need to set password for first use). Then enter to project setting.





**Step 2** Check 'VTH Config', set Room number of VTH, it should be the same with the room number in VTO web setting.

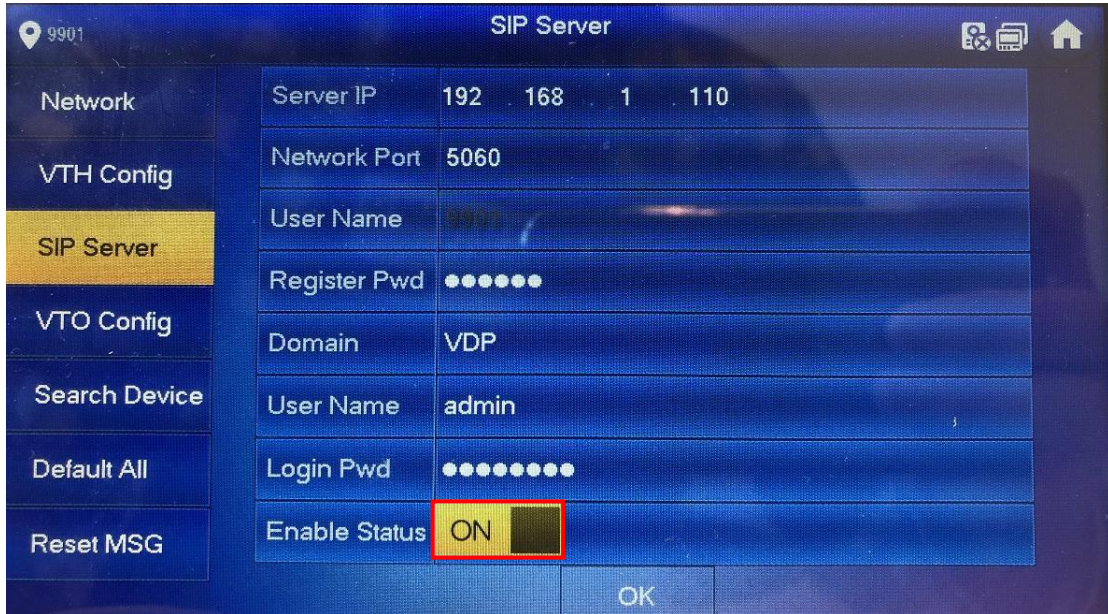


**Step 3** Check 'SIP Server', configure server parameters;

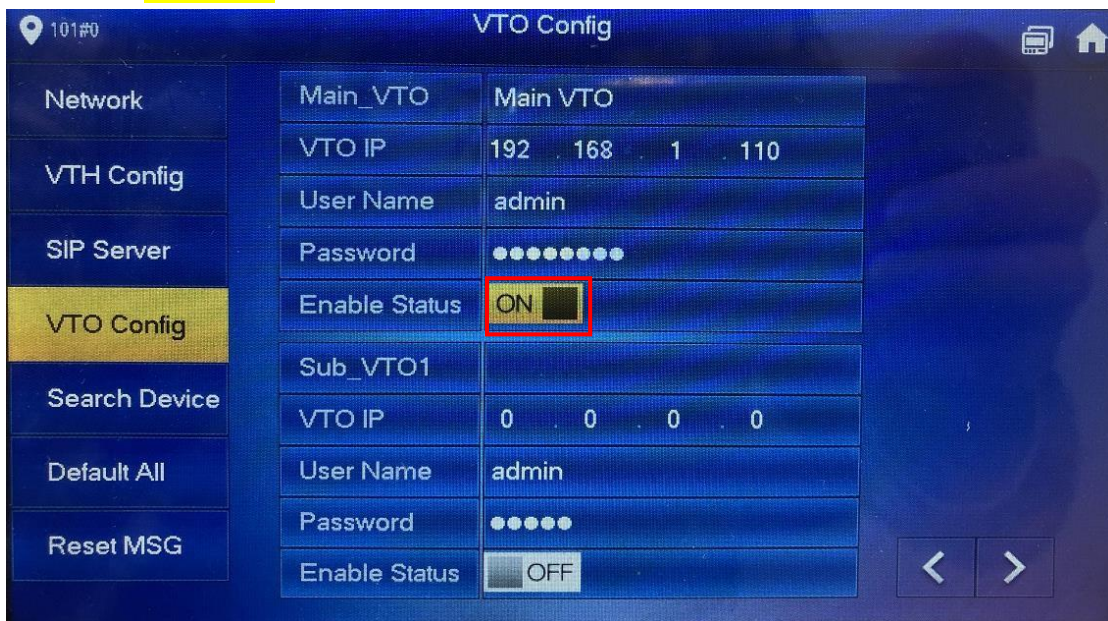
- Server IP: IP address of the door station that set as the SIP server;
- Network Port: 5060(if use DSS server, port is 5080);
- Register Pwd:123456(keep default);
- Domain: VDP
- User name/Pwd: the SIP server door station's username and pwd.







**Step 4** Check 'VTO Config', setup the IP address, username and password of VTO, and enable it. The username and password are the VTO web interface login 'Username' and 'Password'.



### 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.





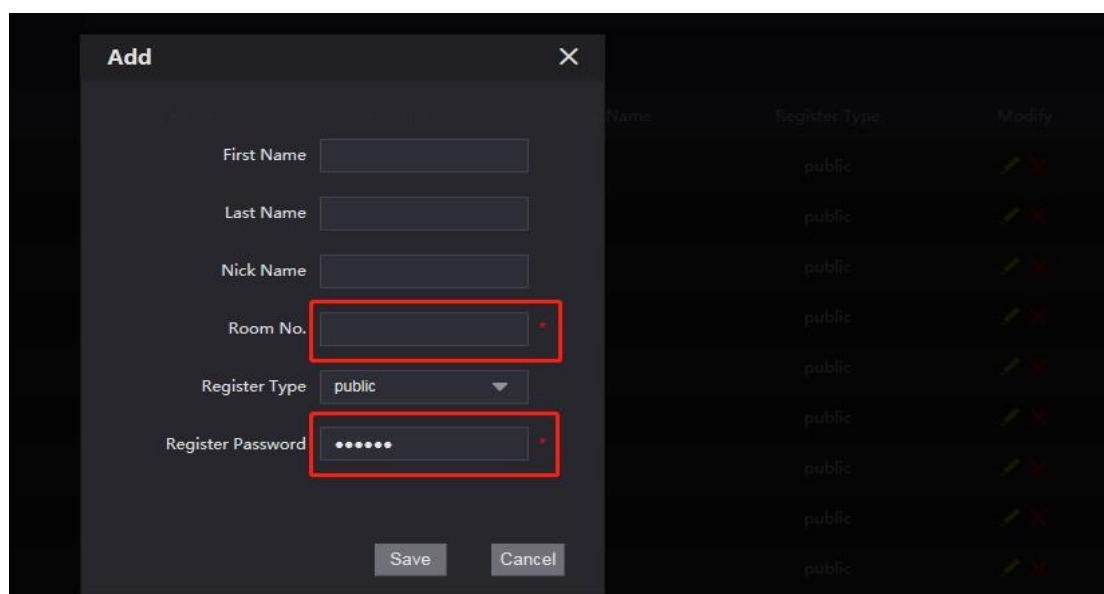
### 3 How to configure: 1 VTO + 2 VTH

If there are more than 2 VTHs, you can set group call function of VDP. Maximum support for 10 VTHs. Master VTH room number is 101#0, extension VTH is 101#1, 101#1... 101#10.

#### 3.1 How to setup the VTO

**Step1** Login VTO2000A web interface <http://192.168.1.110>, Household setting-> Room No.

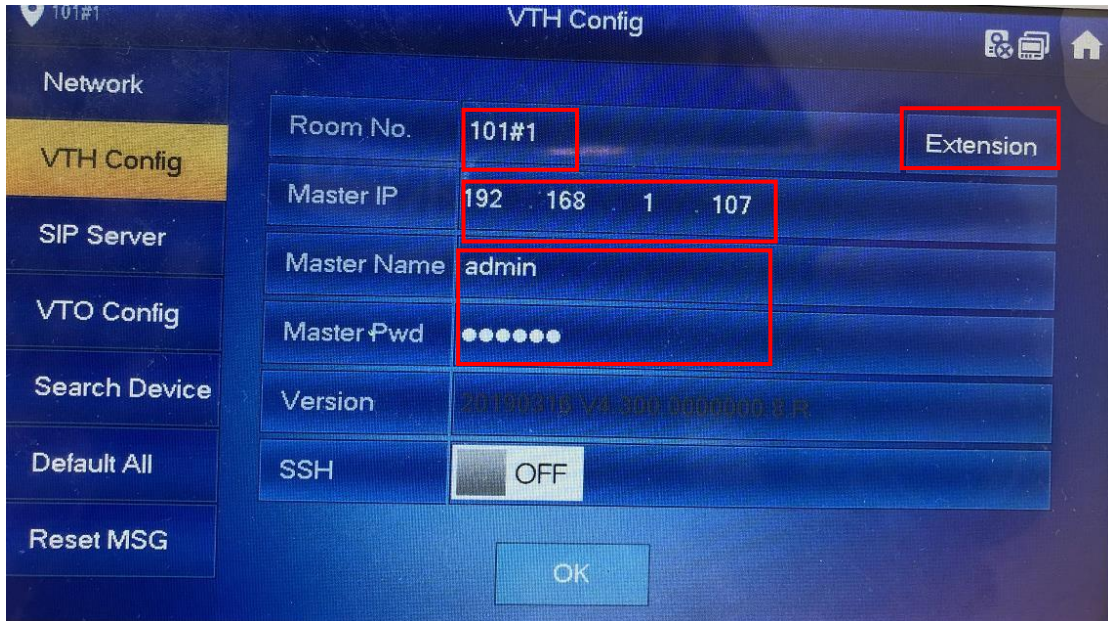
Management, click 'add' to add extension VTH's room number, for example 101#1. The configuration of the door station's web interface is completed.



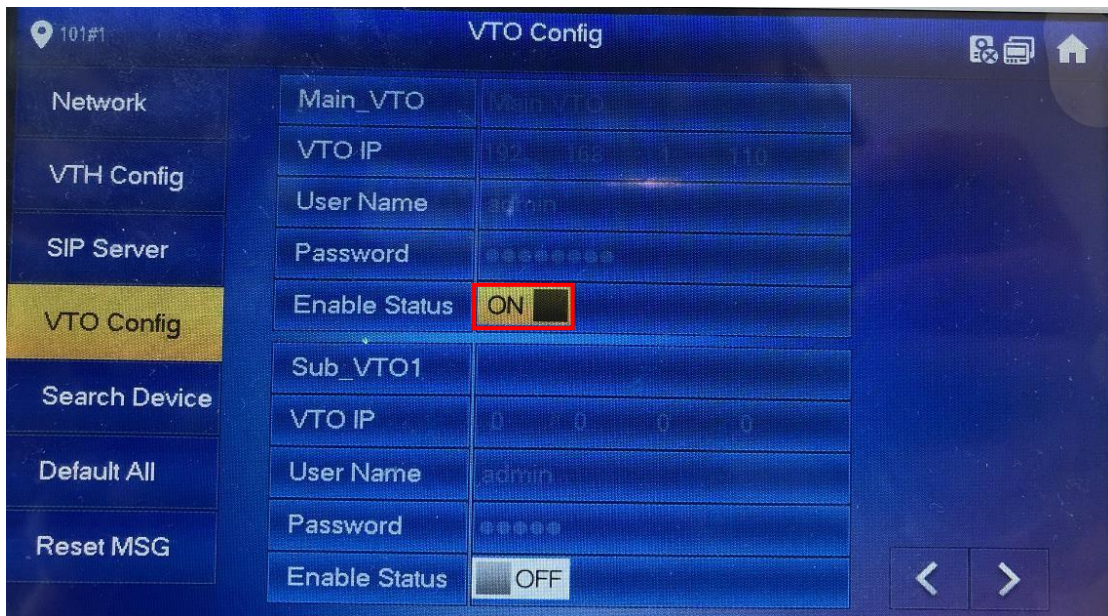
#### 3.2 How to setup the extension VTH

**Step 1** Setup extension VTH's room number in 'VTH Config', press 'Master' and switch to 'Extension'. Set the room number as 101#1, and input the master VTH's IP, master name: admin, master password: project password. Press 'OK' to save.





**Step 2** After setting up, all information of master VTH has been synchronized to extension VTH, and then enable it. 'VTO Config', enable.



### 3.3 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.





- **Master VTH calls extension VTH**  
Call -> Call User, input '#1', and press the call button.



## 4 How to configure: 2 VTO + 2 VTH

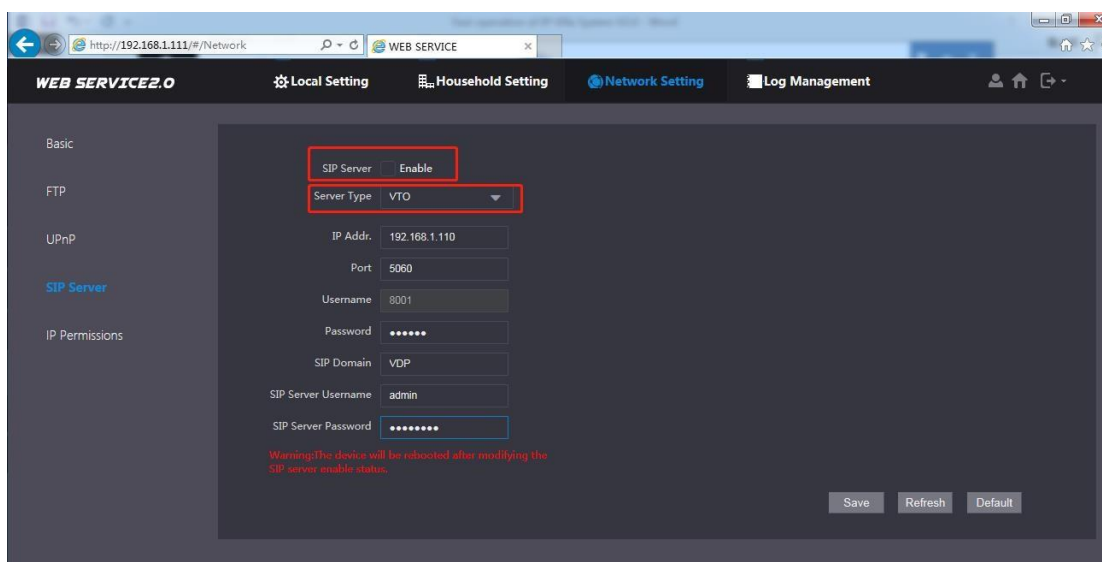
In IP villa system, it maximum supports 20 VTO and 10 VTH.

### 4.1 How to setup the sub VTO

**Step 1** Login <http://192.168.1.111> , Network Setting -> SIP Server, **disable the 'SIP Server'**, and **'Server Type' select 'VTO'**. It means you select other door station as SIP server. Fill the information of SIP server:

- **IP Addr:** IP address of the door station that set as the SIP server;
- **Port:** 5060;
- **Username:** VTO number of door station that set as the SIP server;
- **Password:** just keep default as 123456;
- **SIP Server Username and Password:** web login username and password of door station that set as the SIP server.

**Step 2** Click 'Save' and the device will reboot automatically.



**Step 3** Modify the VTO number of sub VTO (Make sure the VTO No. of main and sub VTO are different). Local setting, modify the VTO No.

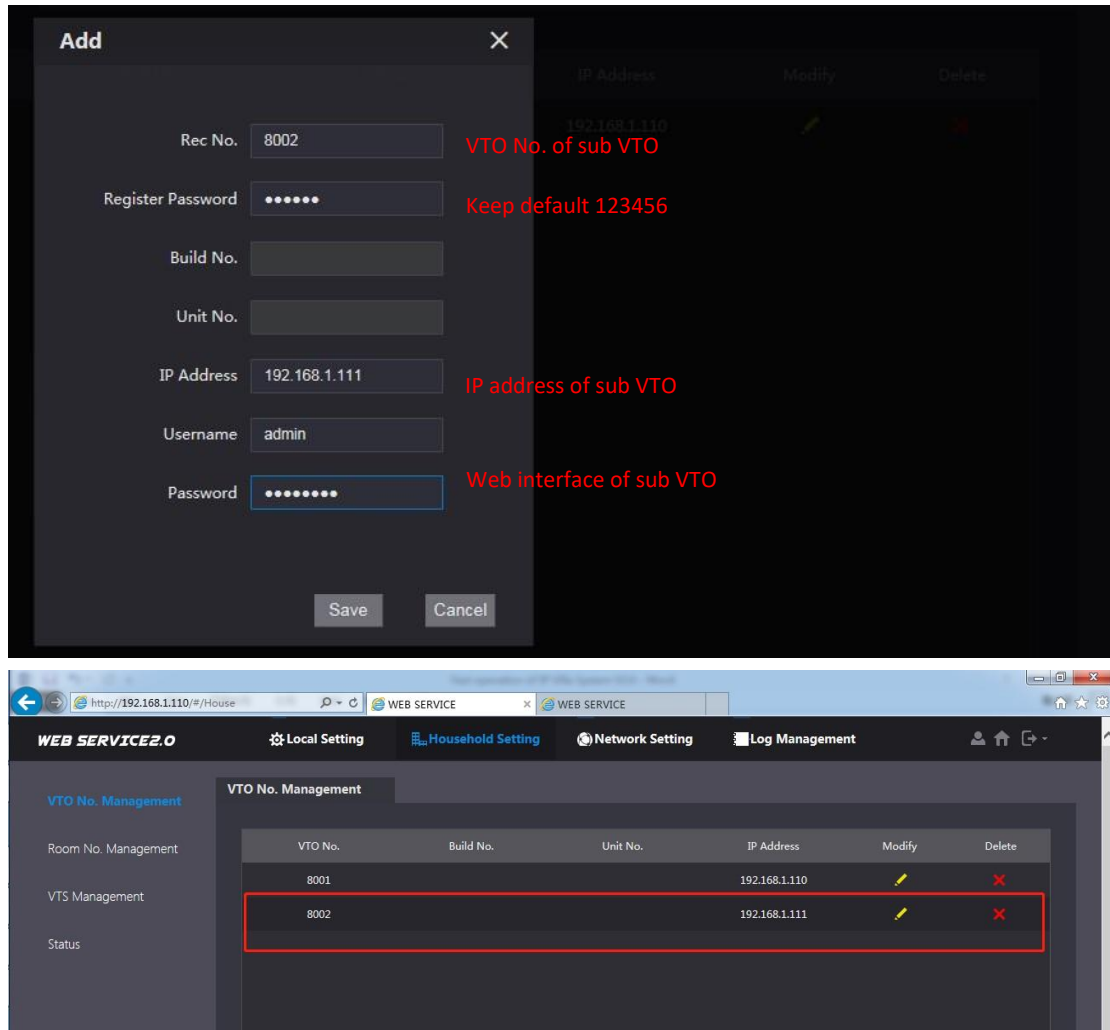
**Step 4** Modify the 'Villa Call No.' to the room number of the VTH. The configuration of the sub VTO's web interface is completed.

### 4.2 How to setup the main VTO (VTO that set as the SIP server)

**Step 1** Login <http://192.168.1.110> , Household setting -> VTO No. Management, Click 'Add' to add the sub VTO to the SIP Server (main VTO).

The configuration of the main VTO's web interface is completed.

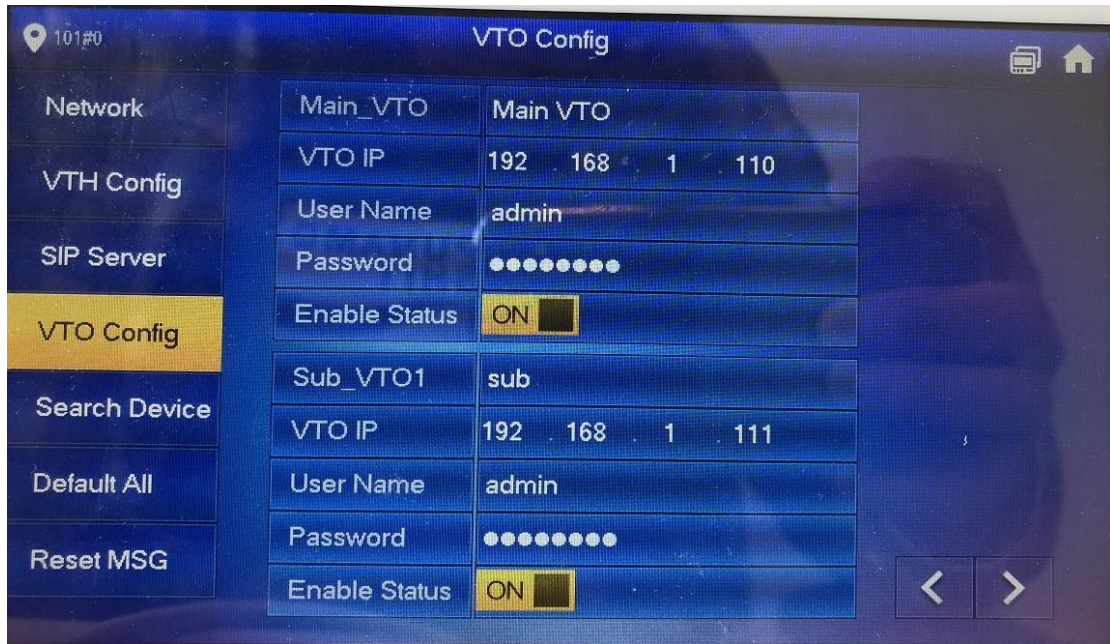




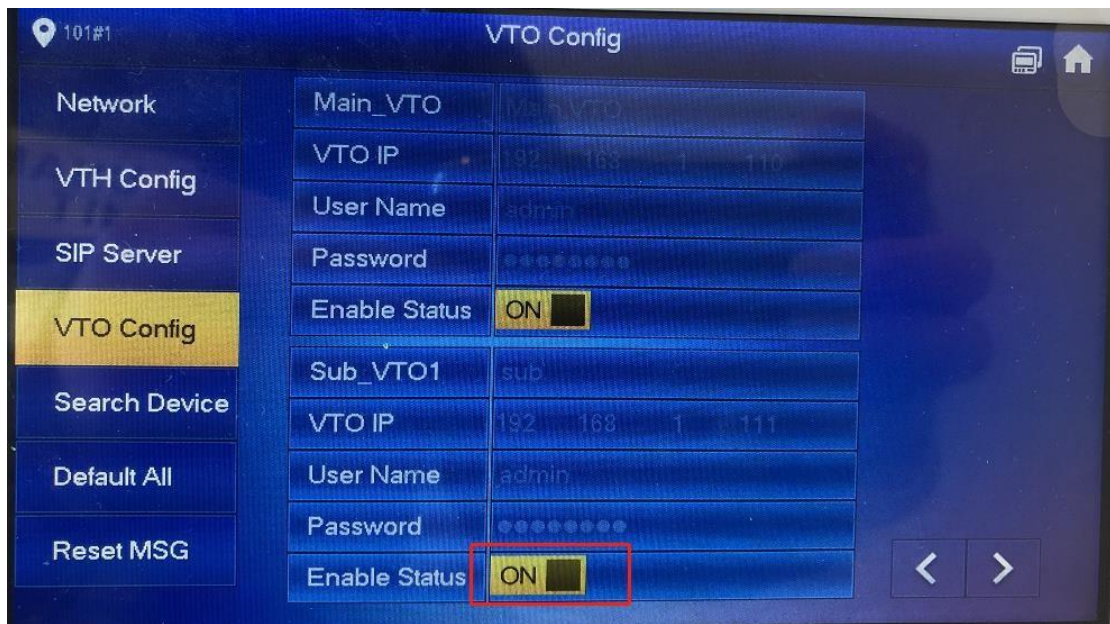
### 4.3 How to setup the master VTH and extension VTH

**Step 1 Master VTH add sub VTO.** Go to project setting -> 'VTO Config', fill the information of sub VTO and 'Enable'.





**Step 2** Extension VTH add sub VTO. The configuration will synchronize automatically from master VTH. You need to enable it



**4.4 Check result**

Call from main VTO:





**Call from sub VTO:**

