





### Step 6

Login WEB interface again; select "Local Setting > Basic". The system displays "Device Properties" interface, as shown in Figure 2-6.

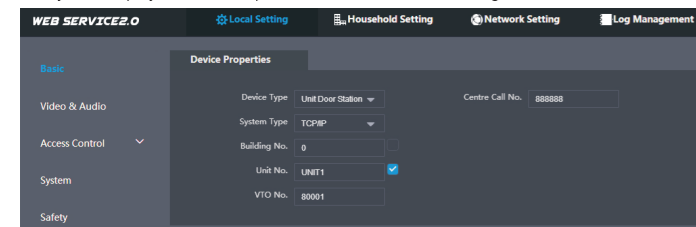


Figure 2-6

- 1) Select system type as "TCP/IP".
- 2) Click "OK" to save the settings. Reboot the device manually, or wait for auto reboot and put the settings into effect.

### Step 7

Login WEB interface again; select "Network Setting > SIP Server". The system displays "SIP Server" interface, as shown in Figure 2-7.

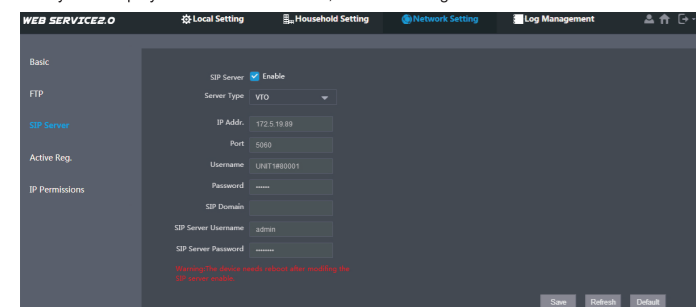


Figure 2-7

- 1) Select server type.
  - ◇ When this VTO or another VTO works as SIP server, select "Server Type" to be "VTO". It applies to a scenario where there is only one unit.
  - ◇ When the platform (Express/DSS) works as SIP server, select "Server Type" to be "Express /DSS". It applies to a scenario where there are multiple buildings or multiple units.

2) Set VTO number and click "OK" to save config.

- When the platform works as SIP server, if it is necessary to set "Building No." and "Building Unit No.", please enable "Support Building" and "Support Unit" and set them.
- After VTO is set to be SIP server and configured, group call function will appear at the interface. To realize group call, please select "Enable" after the group call.

### Step 8

Select "Network Setting > SIP Server". The system displays "SIP Server" interface, as shown in Figure 2-8.

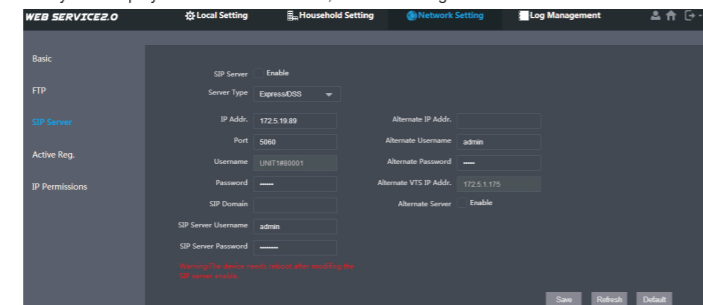


Figure 2-8

- This VTO works as SIP server. Select "SIP Server Enable", and click "OK" to save config. The VTO reboots automatically.
- Another VTO or platform works as SIP server. Set parameters by reference to Table 2-1 and click "OK". The VTO reboots automatically.

Parameter	Description
IP Address	IP address of SIP server. <ul style="list-style-type: none"> <li>● It is 5060 by default when another VTO works as SIP server.</li> <li>● It is 5080 by default when the platform works as SIP server.</li> </ul>
Port	Use default value.
Username/Password	Use default value.
SIP Domain	<ul style="list-style-type: none"> <li>● It shall be VDP when another VTO works as SIP server.</li> <li>● It can be null or keep default value when the platform works as SIP server.</li> </ul>
Login Username/ Password	Username and password to login SIP server.

Table 2-1

- VTO settings have been completed if the platform or another VTO works as SIP server.
- If this VTO works as SIP server, "Device Manager" appears in the left parameter tab. Please add VTO and VTH by reference to "Step 9" and "Step 10".

### Step 9

(Optional) Login WEB interface again; select "Household Setting > VTO No. Management". The system displays "VTO No. Management" interface, as shown in Figure 2-9.

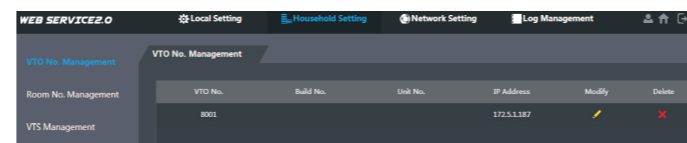


Figure 2-9

Click "Add", set outdoor station parameters by reference to Table 2-2 and click "OK". Repeat this step to add other outdoor stations in the group.

Parameter	Description
VTO No.	VTO number.
Register Password	Signaling interactive use in SIP system. Adopt default value.
Build No.	Number of the building where VTO is located.
Unit No.	Number of the unit where VTO is located.
IP Address	IP address of VTO.
Username/Password	Username and password to login WEB interface of this VTO.

Table 2-2

### Step 10

(Optional) Select "Household Setting > Room No. Management". The system displays "Room No. Management" interface, as shown in Figure 2-10.

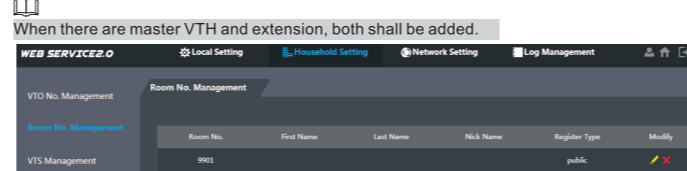


Figure 2-10

Click "Modify", set VTH parameters by reference to Table 2-3 and click "OK". Repeat these steps to add other VTH in the group.

Parameter	Description
Family Name	
First Name	Set VTH username and nickname, in order to distinguish.
Nick Name	
Room No.	Set VTH room number. <ul style="list-style-type: none"> <li>● VTH room number consists of 1 ~ 6 numbers, which may include number and "#". It shall be consistent with room number configured at VTH.</li> <li>● When there are master VTH and extensions, to realize group call function, master VTH short no. shall end with "#0", whereas extension VTH short no. shall end with #1, #2 and #3. For example, if master VTH is 101#0, extensions will be 101#1, 101#2...</li> </ul>
Register Type	
Register Password	Signaling interactive use in SIP system. Adopt default value.

Table 2-3

## 2.2.2 VTH Settings

### 2.2.2.1 Initialization

For the first time, please initialize the password and bind Email. Password is used to enter project setting interface, while Email is used to retrieve your password when you forget it.

#### Step 1

Power on the device.

The system displays "Welcome" and enters "Initialization" interface, as shown in Figure 2-11.

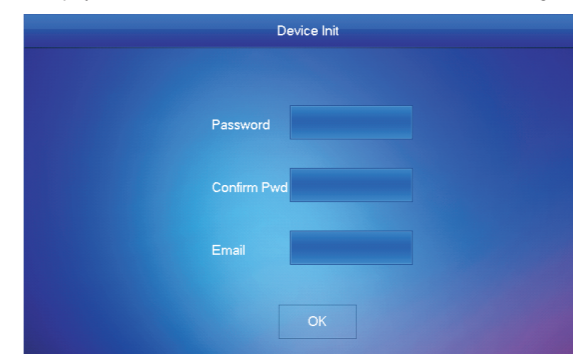


Figure 2-11

#### Step 2

Enter "Password", "Confirm Pwd" and "Email". Press [OK].

#### Step 3

Press [Setting] for more than 6 seconds, enter the password set during initialization, and click [OK].

#### Step 4

Click [Network].

The system displays "Network" interface, as shown in Figure 2-12 or Figure 2-13.

#### LAN

IP addresses of VTH and VTO shall be in the same network segment. Otherwise, VTH will fail to obtain VTO info after configuration.

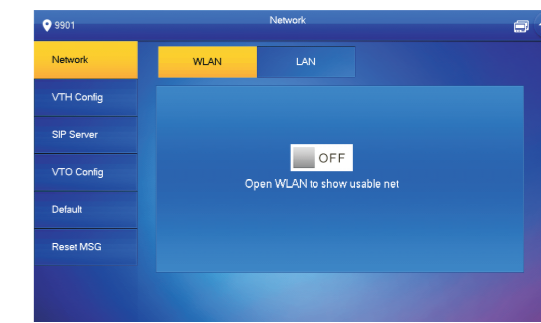


Figure 2-12

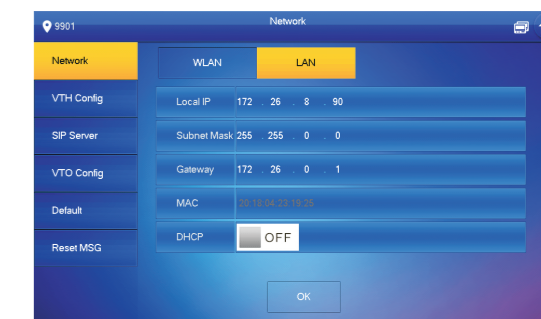


Figure 2-13

#### WLAN

1) Press [OFF] to enable Wi-Fi function. The system displays available Wi-Fi list, as shown in Figure 2-14.



Figure 2-14

- 2) Connect Wi-Fi. The system has 2 access ways as follows.
  - ◇ At "WLAN" interface, select Wi-Fi, click "Wireless IP" tab to enter "Local IP", "Subnet Mask" and "Gateway", and press [OK].
  - ◇ At "WLAN" interface, select Wi-Fi, click "Wireless IP" tab, press [OFF] to enable DHCP function and obtain IP info automatically.

To obtain IP info with DHCP function, use a router with DHCP function.

### Step 5

Press [VTH Config]. The system displays "VTH Config" interface, as shown in Figure 2-15.

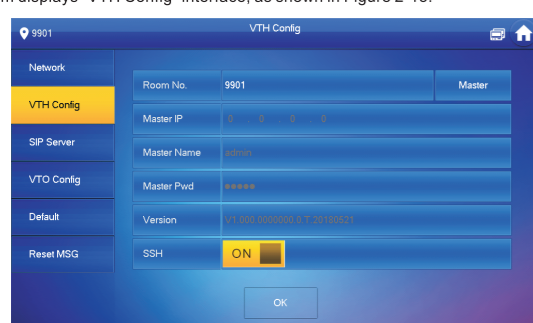


Figure 2-15

- Be used as a master VTH. Enter "Room No." (such as 9901 or 101#0) and press "OK" to save.
  - "Room no." shall be the same with "VTH Short No.", which is set when adding VTH at WEB interface. Otherwise, it will fail to connect VTO.
  - In case of extension VTH, room no. shall end with #0. Otherwise, it will fail to connect VTO.
- Be used as an extension VTH.

- 1) Press [Master] and switch to "Extension".
- 2) Enter "Room No." (such as 101#1) and "Master IP" (IP address of master VTH). "Master Name" and "Master Pwd" are the user name and password of master VTH. Default user name is admin, and the password is the one set during device initialization.
- 3) Press [OK] to save settings.

### Step 6

Press [SIP Server]. The system displays "SIP Server" interface, as shown in Figure 2-16.

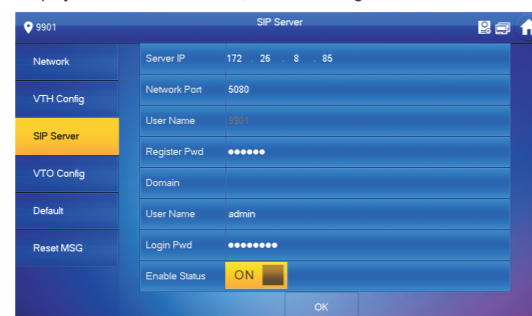


Figure 2-16

1) Set parameters of SIP server by reference to Table 2-4.

Parameter	Description
Server IP	<ul style="list-style-type: none"> <li>● When the platform works as SIP server, server IP is IP address of the platform.</li> <li>● When VTO works as SIP server, server IP is IP address of the VTO.</li> </ul>
Network Port	<ul style="list-style-type: none"> <li>● When the platform works as SIP server, network port is 5080.</li> <li>● When VTO works as SIP server, network port is 5060.</li> </ul>
User Name	Use default value.
Register Pwd	Registration domain of SIP server, which can be null.
Domain	When VTO works as SIP server, registration domain of SIP server shall be VDP.
User Name	User name and password to login SIP server.
Login Pwd	

Table 2-4

- 2) Set "Enable Status" to be ON.
- Enable SIP server function.
- 3) Press [OK] to save settings.

### Step 7

Press [VTO Config]. The system displays "VTO Config" interface, as shown in Figure 2-17.

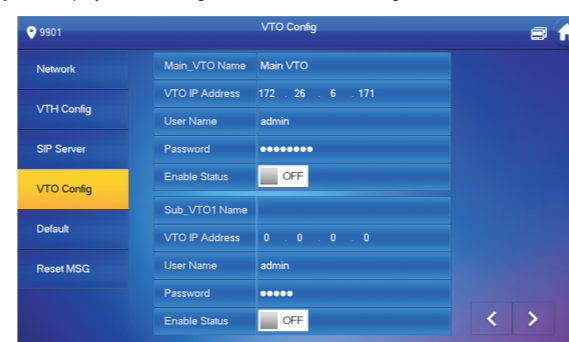


Figure 2-17

### Step 8

Add VTO or fence station.

- Add main VTO.
  - 1) Enter "Main VTO Name", "VTO IP Address", "User Name" and "Password".
  - 2) Switch the "Enable Status" to be ON.

"User Name" and "Password" shall be consistent with WEB login user name and password of VTO. Otherwise, it will fail to connect.
- Add sub VTO or fence station.
  - 1) Enter "Sub VTO/Fence Station Name", "Sub VTO/Fence Station IP address", "User Name" and "Password".
  - 2) Switch the "Enable Status" to be ON.

Press [ < / > ] to turn page and add more sub VTO/fence stations.

## 2.3 Debugging Verification

### 2.3.1 VTO Calls VTH

Dial VTH room no. (such as 101) at VTO, and thus call VTH. VTH pops up monitoring image and operating keys, as shown in Figure 2-18. It represents successful debugging.

The following figure means that SD card has been inserted into VTH. If SD card is not inserted, recording and snapshot icons are gray.



Figure 2-18

### 2.3.2 VTH Monitors VTO

VTH is able to monitor VTO, fence station or IPC. Take "VTO" for example. Select "Monitor > Door", as shown in Figure 2-19. Select the VTO to enter monitoring image, as shown in Figure 2-20.

The following figure means that SD card has been inserted into VTH. If SD card is not inserted, recording and snapshot icons are gray.

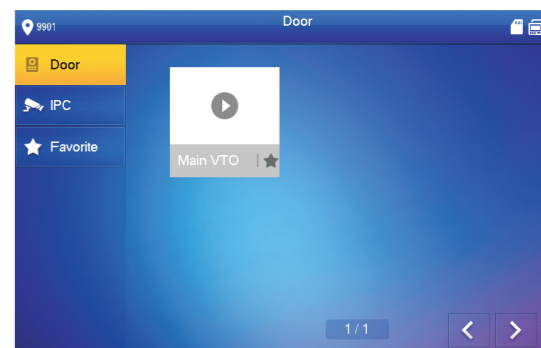


Figure 2-19



Figure 2-20