

Villa Door Station Quick Start Guide

-----VTO6110B series

1 Product Appearance

Please wait about 10s for the indicators in touch button to turn on after you plug the device to power supply. It takes about 60s for all the indicators to turn on and then off. After the system boots up properly, you will see its front as shown in Figure 1- 1(black) and Figure 1- 2 (white).



Figure 1- 1



Figure 1- 2

No.	Name	Function
1	Compensation	Light compensation will automatically turn on during connecting status if there is no enough light in environment.
2	Camera	It monitors corresponding door region.
3	Card Swiping Area	You can swipe card in this area.
4	Touch Button	You can touch this button (the blue indicator will be on) to call VTH or manager center.

2 Basic Function Introduction

2.1 Call Manager Center

Within the time that allows you to call manager center, you can touch the button to

call manager center. Manager center's time can be set on management platform or villa VTO's web-end. Once manager center picks up the call, you can perform a visual bidirectional talk with the manager center. You can touch the button on VTO to end call at any time.

2.2 Call User

2.2.1 Connecting Status

Within the time that allows you to call VTH, you can touch the button to call VTM. Excluding time to call manager center, all remaining time supports call to VTH. During connecting, you can touch the button on VTO to end call at any time.

2.2.2 Calling Status

Under connecting status, if the call is picked up, you will enter calling status. You can perform a visual bidirectional talk with the VTH. During calling status, you can touch the button on VTO to end call at any time.

2.3 Monitor

Both VTS and VTH are able to monitor this VTO by enabling the camera to capture local circumstance.

2.4 Unlock

2.4.1 Unlock under Connecting Status (access control module required)

Under connecting status, VTS or VTH can remotely unlock door. VTO will return to standby interface after call ends or countdown stops.

2.4.2 Unlock under Calling Status (access control module required)

Under calling status, VTS or VTH can remotely unlock door. VTO will return to standby interface after call ends or countdown stops.

2.4.3 Unlock under Monitoring Status (access control module required)

Under monitoring status, VTS or VTH can remotely unlock door. VTO will return to standby interface after call ends or countdown stops.

2.4.4 Unlock via IC Card (access control module required)

By swiping authorized IC card, you can unlock door after local verification.

2.5 Compensation of Light

In dark environment or at night, the VTO adopts auto photoreception technology which achieves light compensation in connecting status.

2.6 Vandal Proof

There is one channel of vandal proof which will generate alarm sound and report to the manager center once VTO is forced to leave the wall.

3 Introduction to Web

3.1 Login Interface

In Internet Explorer, input the IP address of villa VTO, a webpage pops up as in Figure 3- 1.

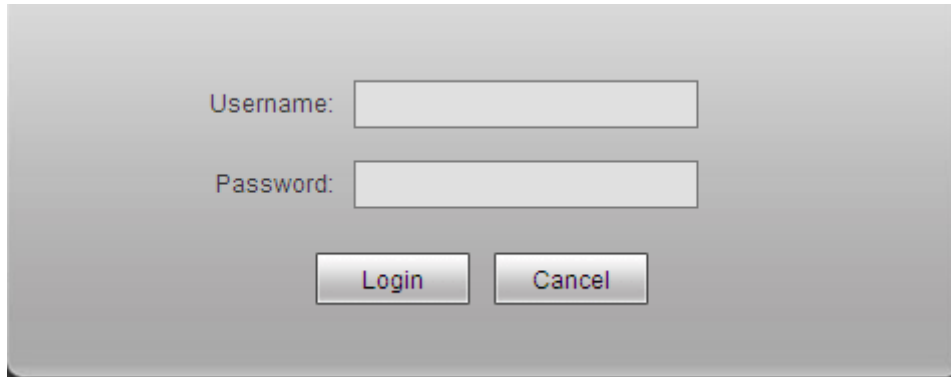
The image shows a login interface with a light gray background. It features two text input fields: the first is labeled 'Username:' and the second is labeled 'Password:'. Below these fields are two buttons: 'Login' on the left and 'Cancel' on the right. The interface is simple and functional, typical of a web-based login page.

Figure 3- 1

Default username: admin

Default password: admin.

Click login to enter WEB interface.

The WEB config interface consists of the following:

No.	Name	Function
1	System Config	Here you can config VTO6110B's device parameter and LAN info.
2	Info Search	Here you can search VTO6110B's call records.
3	Status Statistics	Here you can video VTO6110B's VTH status statistics.
4	Logout	Here you can reboot VTO6110B and logout WEB-end.

3.2 System Config

System config consist of: local config, indoor station manager (VTH), LAN config, network config and change password.

3.2.1 Local Config

Local Config

Local config includes issuing card, unlock and time setup. See Figure 3- 2.

The screenshot displays the 'Local Config' tab within a web-based configuration interface. The left sidebar contains a navigation menu with options: System Config (selected), Local Config (highlighted), Indoor Station Manager, LAN Config, Network Config, Change Password, Info Search, Status Statistics, and Logout. The main content area is divided into three tabs: Local Config (active), A&C Manager, and System Time. The Local Config tab contains the following settings:

Term No.	1
Section No.	1
Building No.	101
Building Unit No.:	1
District Unit SN:	101
Unit Layer Amount:	10
Room Amount in One Layer:	4
Device Type	Villa Station
VTO Model	VTO6110B
Video Format	WVGA
Reboot Date	Tuesday
Volume Config	20
Frame Rate	25
Version Info	2012-11-23 V1.100.0.0

At the bottom of the configuration area, there are four buttons: Default, Refresh, OK, and Default All.

Figure 3- 2

Please note:

- 1) Frame rate: set 30 as frame rate for NTSC and 25 as frame rate for PAL standard.
- 2) Delete all: Click this button and then confirm. VTO will restore default settings. Be cautious!
- 3) Video format: select between D1 and WVGA. D1 resolution: 704x576; WVGA resolution: 800x480.

A&C Manager

A&C manager interface is shown in Figure 3- 3.

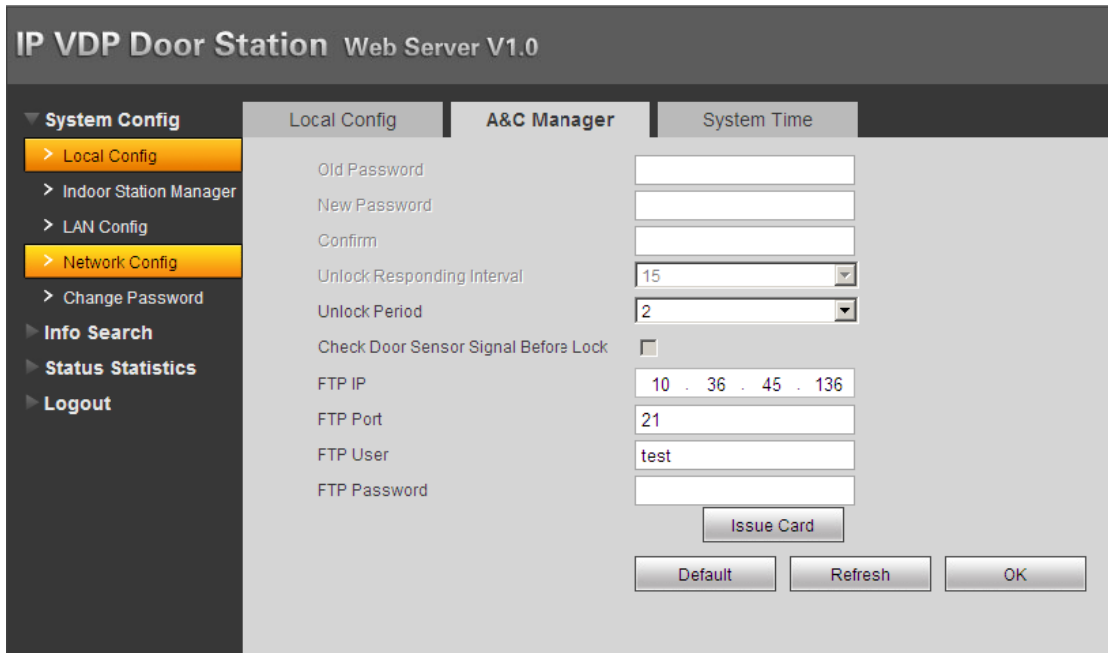


Figure 3- 3

Under local config interface, click on A&C manager. The initial villa VTO password is 123456 and to unlock, input #123456#. Here you can change password, set unlock responding interval and unlock period.

FTP IP: FTP IP is used in storing snapshot taken by the VTO while user can view them by logging in this FTP IP.

Issue card: On web-end, click on issue card button and put the IC card on the card swiping area. When you here beep sound, you have successfully issued card. You can use this new card to unlock door. (Access control module required)

System Time

System time interface is shown in Figure 3- 4.

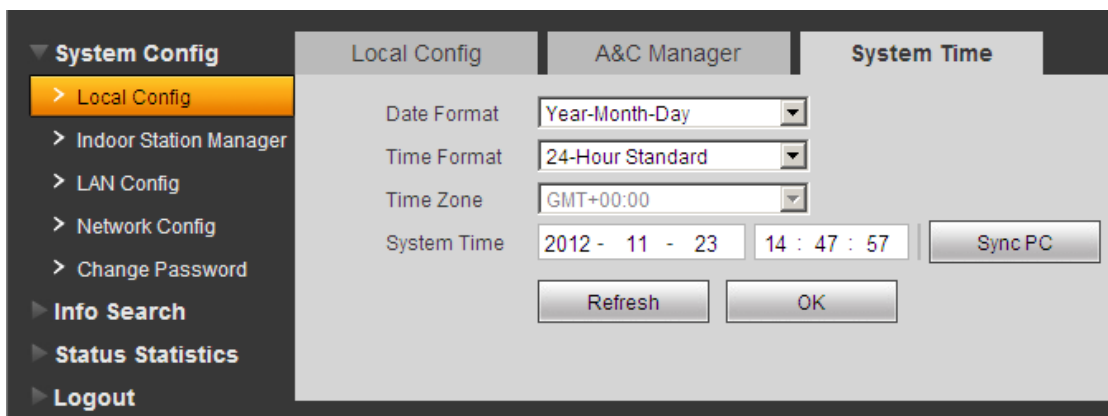


Figure 3- 4

Under local config interface, click on system time where you can set time and sync it

with PC.

3.2.2 Indoor Station (VTH) Manager

Indoor station manager interface of VTO 6110b consists of add VTH, delete VTH and modify VTH user.

Digital Indoor Station

Digital indoor station interface is shown in Figure 3- 5.

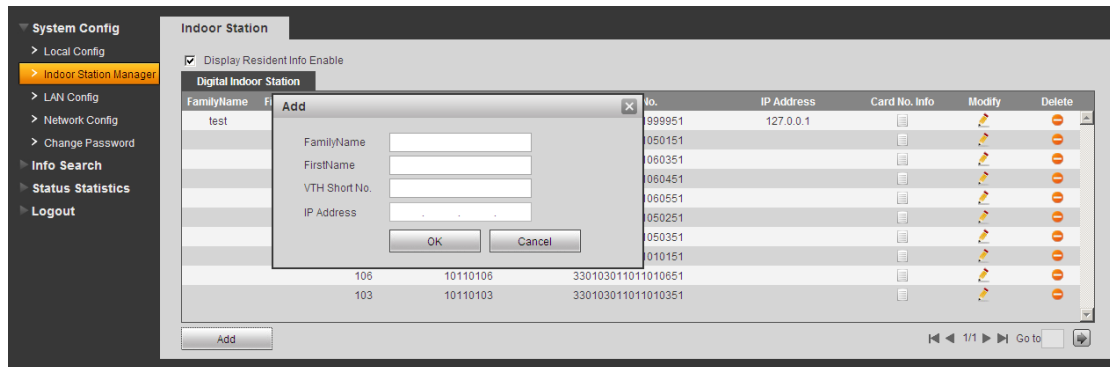


Figure 3- 5

Under digital indoor station interface, check display residence info enable to show existing VTH info. Click add button at lower left, and input user info in the prompt box. In default, only VTH short no. is mandatory.

3.2.3 LAN Config

LAN config interface is shown in Figure 3- 6.

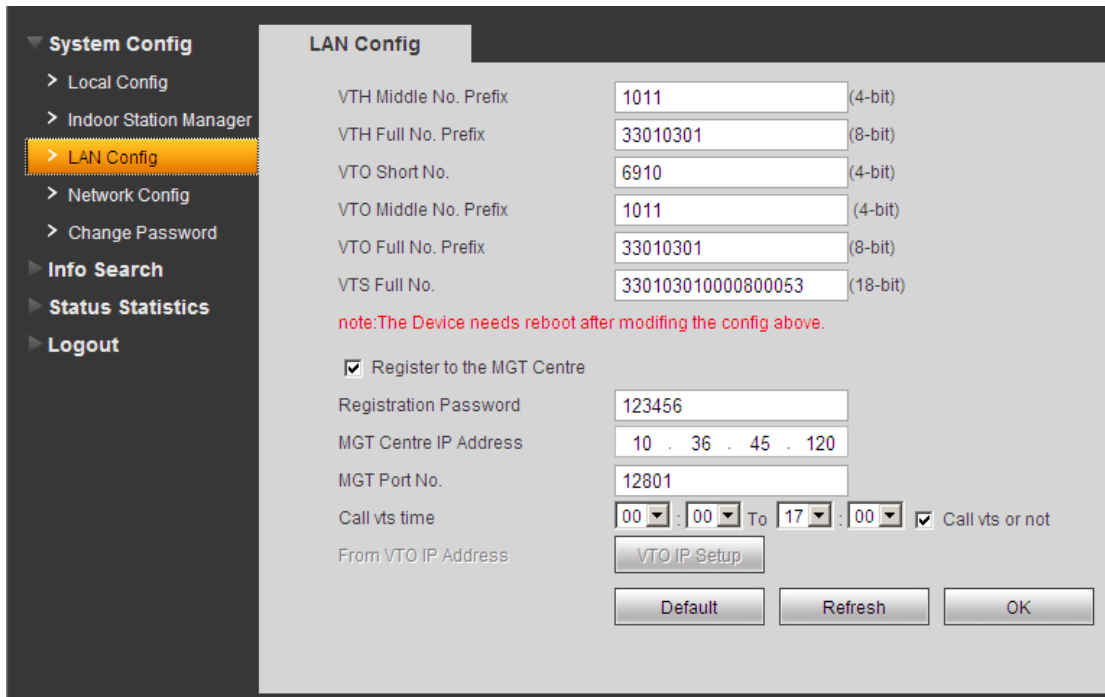


Figure 3- 6

Default config is OK if you merely want to ensure the LAN connection between villa VTO and VTH. If you want to configure manager center, the config here must match info of the manager center, and you need to check box of register to the MGT center.

Furthermore, if you would like to call manager center within configured period, you have to set call VTS time. During this period, the VTO can only call VTS.

3.2.4 Network Config

Network config interface is shown in Figure 3- 7.

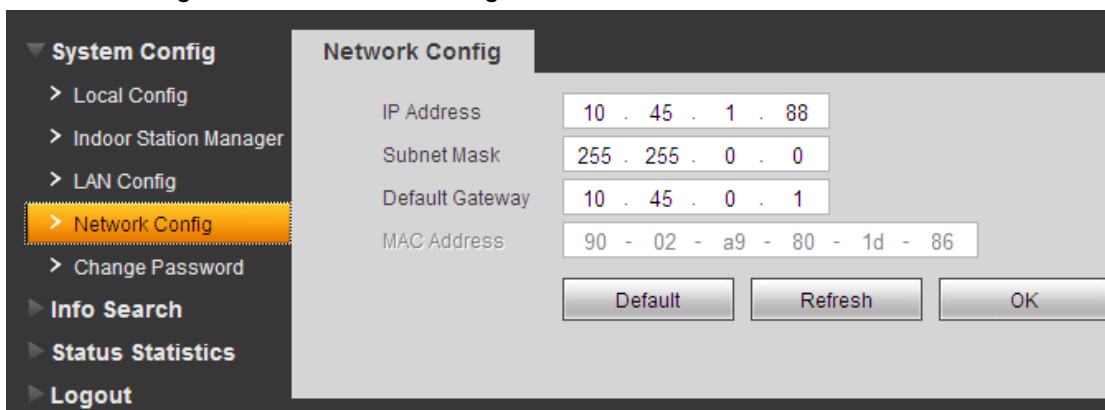


Figure 3- 7

Here you can set IP info of villa VTO which includes IP address, subnet mask and default gateway. After you modified the IP address, the web interface will reboot and you will be transferred to the new IP address.

3.2.5 Change Password

Change password interface is shown in Figure 3- 8.

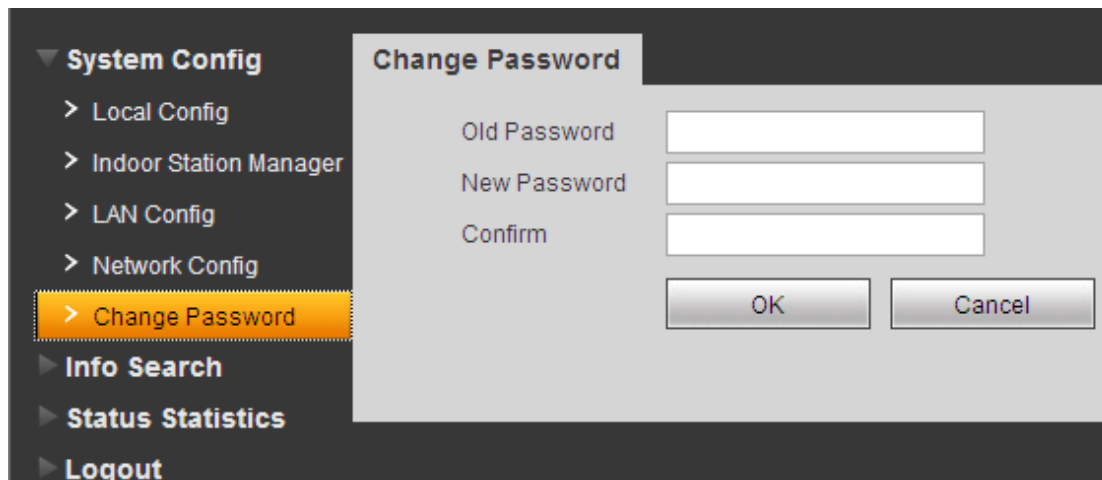


Figure 3- 8

Here you can change the web login password of villa VTO. You need to input old password and new password and confirm new password. Click on OK to save.

3.3 Info Search

3.3.1 Call History

Call history interface is shown in Figure 3- 9.

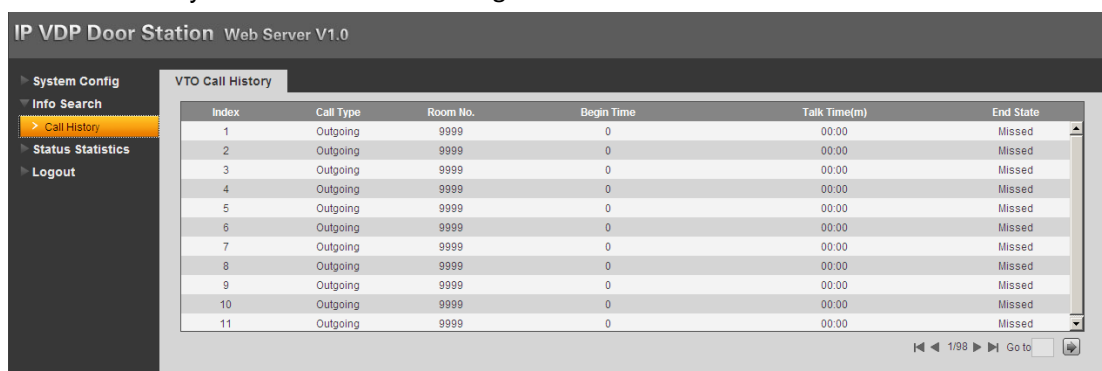


Figure 3- 9

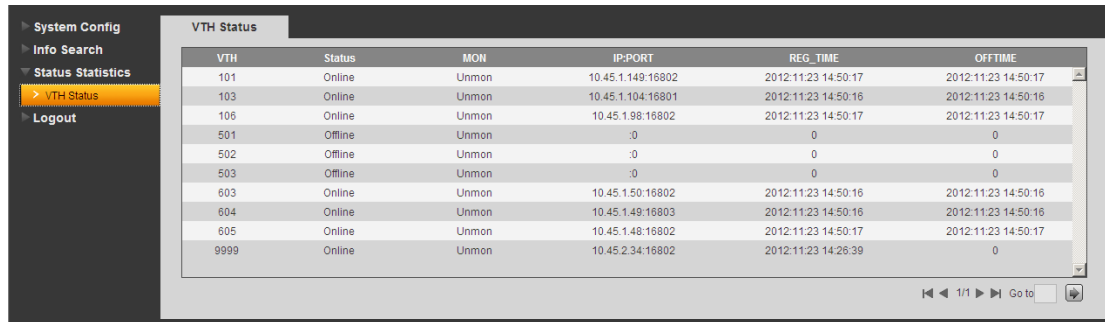
Under info search interface, click on call history. Here you can search call history of the VTO with up to 1124 records.

3.4 Status Statistics

3.4.1 VTH status

VTH status interface is shown in Figure 3- 10.

Under status statistics interface, click on VTH status. Here you can view connection state of VTH.



The screenshot shows the 'VTH Status' interface. On the left is a navigation menu with 'System Config', 'Info Search', 'Status Statistics', 'VTH Status' (highlighted), and 'Logout'. The main area displays a table with the following data:

VTH	Status	MON	IP:PORT	REG_TIME	OFFTIME
101	Online	Unmon	10.45.1.149:16802	2012-11-23 14:50:17	2012-11-23 14:50:17
103	Online	Unmon	10.45.1.104:16801	2012-11-23 14:50:16	2012-11-23 14:50:16
106	Online	Unmon	10.45.1.98:16802	2012-11-23 14:50:17	2012-11-23 14:50:17
501	Offline	Unmon	:0	0	0
502	Offline	Unmon	:0	0	0
503	Offline	Unmon	:0	0	0
603	Online	Unmon	10.45.1.50:16802	2012-11-23 14:50:16	2012-11-23 14:50:16
604	Online	Unmon	10.45.1.49:16803	2012-11-23 14:50:16	2012-11-23 14:50:16
605	Online	Unmon	10.45.1.48:16802	2012-11-23 14:50:17	2012-11-23 14:50:17
9999	Online	Unmon	10.45.2.34:16802	2012-11-23 14:26:39	0

Figure 3- 10

3.5 Logout

3.5.1 Reboot Device

Reboot device interface is shown in Figure 3- 11.

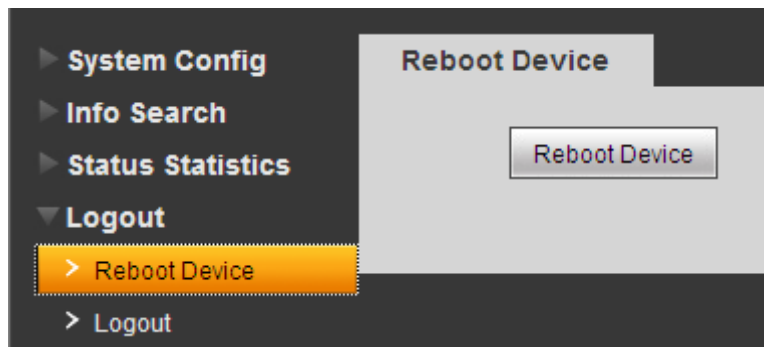


Figure 3- 11

Here you can reboot the device.

3.5.2 Logout

Logout interface is shown in Figure 3- 12.

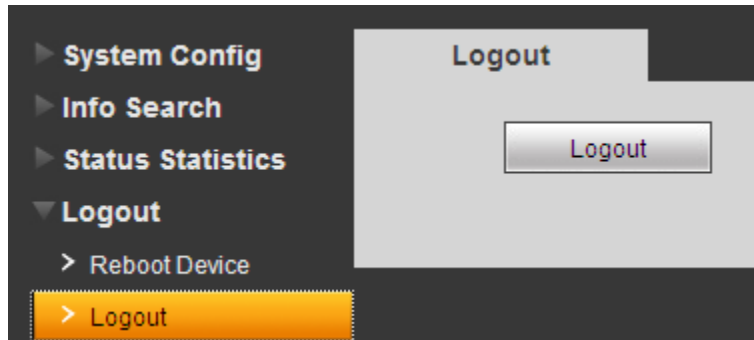


Figure 3- 12

Here you can logout the device.

4 Technical Specifications

Model	DH-VTO6110B
System	
Main processor	Embedded microcontroller
OS	Embedded LINUX OS
Video	
Video compression standard	H.264
Input/Approaching Induction	1.3 mega pixels CMOS HD camera
Night vision	Support
Audio	
Input	Omnidirectional microphone
Output	Built-in loudspeaker
Bidirectional talk	Support bidirectional talk
Operation Mode	
Input	One-key input (with backlight)
Swipe card	Built-in IC card sensor
Alarm	
Vandal proof	Support
Network	
Ethernet	10M/100Mbps self-adaptation
Internet protocol	TCP/IP
Storage	
Memory	128MB
General	

Power supply	DC 10~15V
Power consumption	Standby $\leq 1W$; working $\leq 10W$
Environment	-10℃~+60℃、10~95%RH
Dimensions	115mm*45mm*155mm (L*W*H)
Weight	0.5kg

5 Device Port Illustration

Ports of VTO are illustrated in Figure 5- 1.

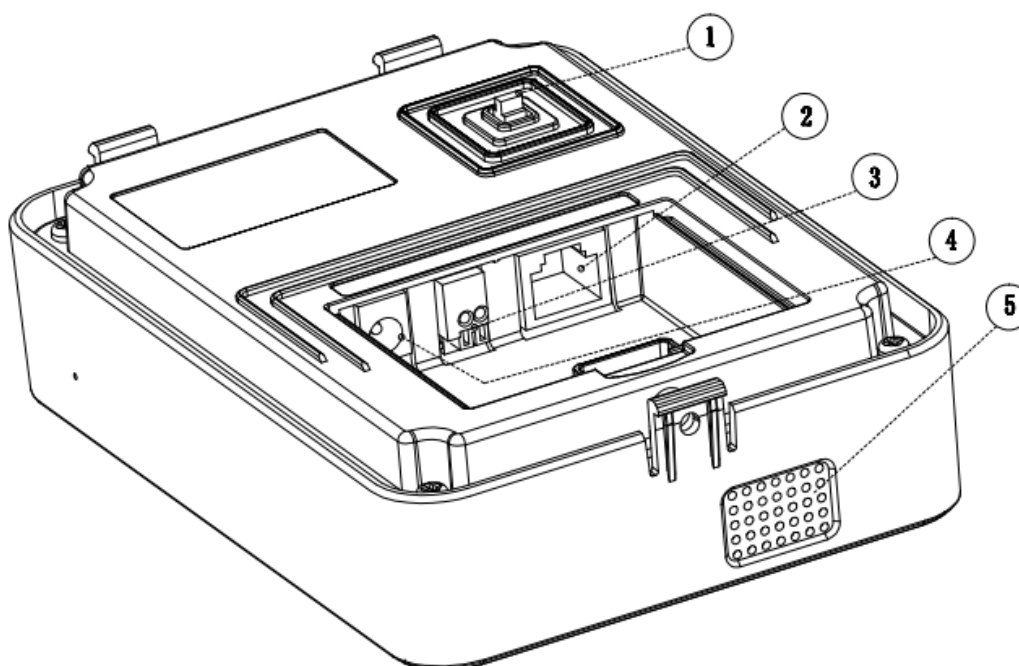


Figure 5- 1

No.	Port Name	Description
1	Vandal proof switch	When this device is forced to leave wall, it will generate alarm sound and report to the manager center.
2	Network port	Connect to RJ45 port.
3	RS485	May connect to external module, such as access control extension module.
4	Power supply port	Connect to 12V DC.
5	Loudspeaker output	It is the sound output of local loudspeaker.

6. Installation Guide

Installation guide of VTO is illustrated in Figure 6- 1.

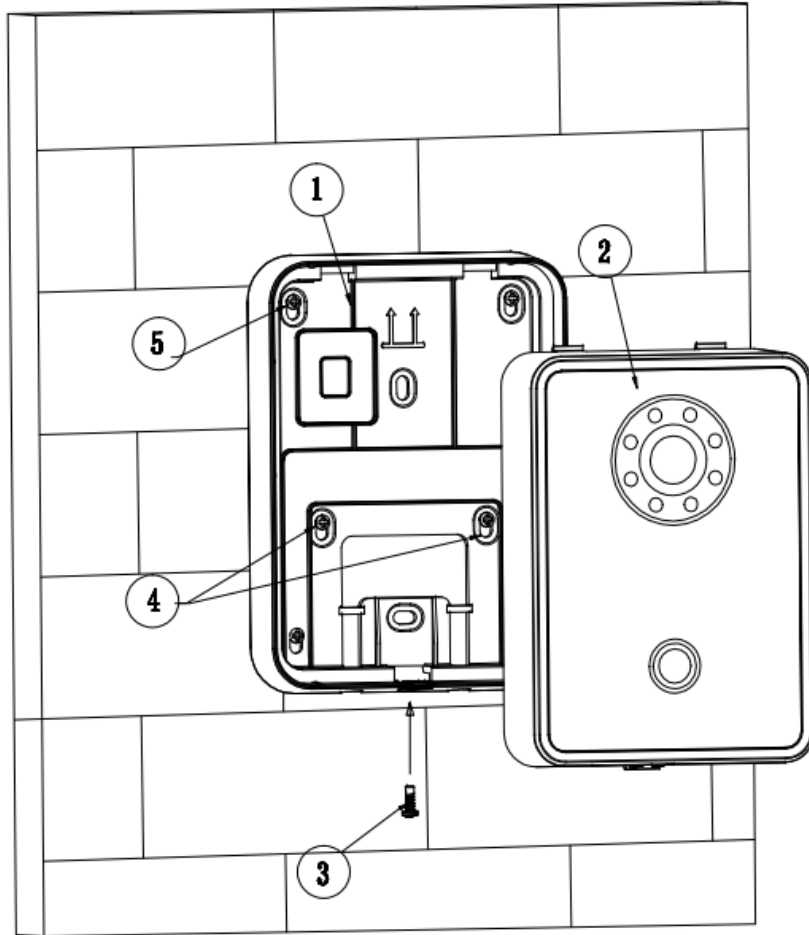


Figure 6- 1

Installation step:

1. Fix installation holder onto wall:
 - a) Use the M4 screw accompanied with the VTO to fix holder onto the 86 box (as ④ in Figure 6- 1);
 - b) In order to firm the VTO, use the ST4.0 screw accompanied with VTO to fix the 86 box onto wall after locking the 86 box. (as ⑤ in Figure 6- 1);
2. Install ② in Figure 6- 1 onto the holder by pushing from top edge as ① in Figure 6- 1 to lower edge as ② in Figure 6- 1.
3. After you complete the installation between VTO and holder, use the set screw accompanied as ③ in Figure 6- 1 to fix the VTO and its holder.

7 FAQ

1. Q: How do I know if the power supply to VTO is working normally?
A: After you plug the device to power supply, wait about 10s for the indicators in touch button to turn on. Approximately 60s later, all indicators will turn on as the device works normally.
2. Q: You pressed the touch button, and the indicator turned on, but the VTO did not start a call?
A: Please check your operation process.
3. Q: How to end a call when I am calling?
A: You can end a call by touching the button on VTO lightly.
4. Q: The device could not boot up and there was no sound or light.
A: Please check if power supply is well plugged.
5. Q: My call did not go through.
A: It is network connection error; please check the cables of the device and its extension.
6. Q: The number I am calling does not exist.
A: Please check if the number is correct.
7. Q: VTO did not respond after I swiped IC card.
A: Please check if your card is authorized.
8. Q: I heard a beep sound when I swiped IC card, but the door did is still locked.
A: Please check if your card is authorized.
9. Q: I have other problems not included above.
A: Please contact technical staffs for assistance.

Note:

- **This manual is for reference only. Slight difference may be found in user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **All trademarks and registered trademarks are the properties of their respective owners.**
- **If there is any uncertainty or controversy, please refer to the final explanation of us.**
- **Please visit our website or contact your local service engineer for more information.**