# Fast operation of Apartment System

## 1 IP System (VTO12xxx)

## **1.1 system Structure**





## **1.2 Operation Steps**

VTO--- The default IP of VTO is 10.22.5.189, and the project setting password is #8888888#; VTH--- The default IP of VTH is 10.22.5.180, and the project setting password is 002236; all the other default passwords are 123456.

#### Note:

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

#### 1.2.1 VTO WEB Config

Filled in the VTO' IP address in the IE explorer, it will show a log interface as Figure 2-1, account/password are admin/admin.

_	P VDP Door S	Station Web Server V	V1.0	
	Usemame:			
	Password:	Login Cancel	]	
			-	

Figure 2-1

#### **Basic Configuration:**

Step 1 Check system Config>Local Config> set Video Format into WVGA, see Figure 2-2

System Config	Local Config	A&C N	lanager	System Time		
> Local Config	Unit Layer Amount		10			
> LAN Config	Room Amount in O	ne Laver:	4			
> Indoor Station Manager	Device Type		Villa Station	-		
> Network Config	VTO Model		VTO6110B			
> Change Password	Video Format				3	
Info Search	Pabast Data		Tuesday		2	
Status Statistics	Reboot Date		Tuesday			
Logout	volume Conlig		40	<u> </u>	~	
	Frame Rate		25	<b>_</b>	3	
	Version Info		2013-05-08 V1	.101.0.0		
	Restore Backup		Card Info C	th Info		
			Default	Refresh	ок	Default All
			Restore Backu	p		

Figure 2-2

**Step 2** Check Indoor Station Manager, click on Add to add one VTH Short No., such as: 102. See Figure 2-3.

▼ System Config	Indoor Statio	n		
> Local Config	Digital Indoo	Station		
> LAN Config	FamilyName	FirstName Room N	lo. SN	IP Address
Indoor Station Manager	<del>- </del> 1	Add		X
> Network Config				
> Change Password		FamilyName	example	
▶ Info Search		FirstName	example	
Status Statistics		VTH Short No.	102 3 -	-2
▶ Logout		IP Address		
			OK Cancel	
		7		
	Add			



#### 1.2.2 Main VTH Setup

On the VTH's screen, please point Setting> Project Settings> 002236

**Step 1** Check Product Info, set Room No.(it need be same with the VTH short No. in Figure 2-3), Local IP, Subnet Mask, Gateway, then point OK to save it . See Figure 2-4.

₽		Project Se		
	Room No.	102	Master	Product Info <
	Local IP	172 5 1	* 105	₽ Network
	Subnet Mask	255 255 0	• 0	IPC Info
	Gateway	172 5 0	1	
	MAC	00:01:5b:a1:33:44		Default
	Version	Eng_P_V1.100.000	10.0.R.20130428	➔ Back
		ОК		

Figure 2-4

**Step 2** Check Network, input main VTO IP in Network, then point ok to save it. See Figure 2-5.

₽		Project Settings	
	Main_VTO Name	Main VTO	🖬 Product Info
	Device Type	Unit Door Station	🖵 Network 🛛 <
<	VTO Middle No.	10116901	PC Info
	VTO IP Address	172 5 2 31	🗘 Default
	Network Port	13801	
	Enable Status		Back
		OK	

Figure 2-5

After the above operation steps, it can make a call from VTO and VTH.

## 2 Analogue system

VTO1210A-X and VTO1210B-X can be applied in both IP and analogue system. the config steps in analogue system as blew:

## 2.1 System Structure





#### 2.1.1 VTO1210A-X

Connect the device as Figure 2-2



Figure 2-2

The ports of VTO1210A\_X as Figure 2-3, For the port ③, the way to connect the net cable as Figure 2-4.



- 01. Vandal Proof Alarm Button
- 02. Network Port
- 03. Access Control Input Port
- 04. Power Port
- 05. Access Control Output Port
- 06. Analog Signal Port
- 07. RS485 Port





Figure 2-4

#### 2.1.2 VTO1210B-X

Connect the device as Figure 2-5



Figure 2-5

The ports of VTO1210B\_X as Figure 2-6,



01. Network port: to external switch (IN port)

- 02. Access Control Input Port.
- 03. Analog Signal Port
- 04. Vandal Proof Alarm Button
- 05. RS422 Port
- 06. Power Port
- 07. Access Control Output Port

Figure 2-6

## 2.2 Operation Steps

**Step 1** Log in VTO's web interface, check System Setting>Local Setting, choose System Type into Analog, Video Format into D1, see Figure 2-7.

IP VDP Door St	ation Web Serv	ver V1.0	
System Setting	Local Setting	A&C Management	System Time
<ul> <li>Local Setting</li> <li>VTH Management</li> <li>LAN Setting</li> <li>Network Setting</li> <li>Change Password</li> <li>Info Search</li> <li>Status Statistics</li> <li>Logout</li> </ul>	Term No. Section No. Building No. Building Unit No.: District Unit SN: Floor Total: Room Total:	1 1 101 1 101 30 8	Choose 'Analog'
	System Type Device Type Video Format Boot up Audio Reboot Date Frame Rate Version Info	Tcp/IP Unit Door Station D1 N/A Tuesday 25 2012-11-08 V4.000.0.0 Default Delete All	nere   Image: Constraint of the second sec

Figure 2-7

**Step2** Check Indoor Station Manager> Analog Indoor Station.Add the Room No. in the web interface. See Figure 2-8.

▼ System Config	Indoor Station						
Local Config     Indoor Station Manager	Display Residen	it Info Enable	ation				
> LAN Config	Index	Add		r Dial Address	Distributor Port No.	Modify	Delete
> Network Config	2	Add			1	2	•
> Change Password	3	Short No.	*		2	2	•
▶ Info Search	4	Distributor Address	1~99		4	2	•
► Status Statistics	5	Distributor	0~8		4	<u> </u>	•
▶ Logout	6		OK Cancel		3		-
	7				2	~	
	8	403 3301	103011011040351	11	1	-	
	Add					◀ ◀ 1/2 ▶	🕨 Go to
		mly need to i om NO.		No need anythin			

Figure 2-8

Step 3 Press the button on the distributor to 'ON', see Figure 2-9



Figure 2-9

**Step 4** After connecting, please press the Call button about 5 seconds to config the Room No.. See Figure 2-10.



Figure 2-10

**Step 5** Will get a blue screen, like follow picture. On the left will have a room NO with 4 numbers, can use SOS button change the first number, the Arm button can change second number, the monitor button can change third number, the unlock button can change fourth

number. See Figure 2-11



Figure 2-11

**Step 6** After changing, press call button again, then reboot the VTH. If there are more than one VTH, please test them one by one.

## 3 Install lock and unlock button

General types of lock in market are unlocking with power and unlocking without power.

# 3.1 VTO1210A/VTO1220A/VTO1210A-X(Figure 2-3)

Port 02—access control input port, which connect to signal from the door sensor, door on/off signal.

Port 07—access control output port, which control NO/NC of door lock.

Here make electric lock as example. When connect VTO to electric lock, make electric lock + toward VTO NO-end (03.3-pin 1) and electric – toward VTO COM-end. See Figure 3-1.





# **3.2 VTO1210B-X** (Figure 2-6)

Port 03—access control input port, which connect to signal from the door sensor, door on/off signal.

Port 05—access control output port, which control NO/NC of door lock.

Here make electric lock as example. When connect VTO to electric lock, make electric lock + toward VTO NO-end (03.3-pin 1) and electric – toward VTO COM-end. See Figure 3-2





#### Figure 3-2

## 4 Issue Card by password

The device supports IC card with frequency 13.56MHz.

- Step1 Input the #888888# log on the project setting of the outdoor station
- Step2 Choose issue card, press \* log on.
- Step3 Choose password issue card.
- Step4 Input the password:002236
- Step5 Input the room NO for the card, and put the card on the card reading area.
- Step6 After issuing card, press \* to exit.