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

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	Explorer11 Version :11.0.9600.18638						
Chrome	Soogle Chrome Version: 60.0.3122.113(64 bit)						
Windows 7	Windows 7 Enterprise edition						

1.3 Firmware and software

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 <u>http://192.168.1.110</u> as below pic. The first login requires changing password.

Device	×
1 Setting	2 Protect 3 OK
Username New Password Confirm Use a password that has 8 t numbers and symbols (plea	admin ••••••• Middle Strong ••••••• to 32 characters, it can be a combination of letters, ase do not use special symbols like 's "s ;s ;s (s &)
	Next
C (http://192.168.1.110/	ク・ C @ WEB SERVICE ×
IP	VDP Door Station Web Server V1.0
	admin Forgot Password?
	Login

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

IP VDP Door Station Web Server V1.0							
System Config Local Config	Local Config A8	C Manager	Sound Control	Talk Manager	System Time	Facade Layout	
 LAN Config Indoor Manager Network Config 	Device Type Reboot Date	Villa Station Modularize Villa Tuesday	Change the	e device type will affects P2	P and Facade Layout, Plea	ase reboot VTO.	
 Video Set User Manager IPC Information 	Version Info DialRule	2017-08-03 Noserial	/3.120.0000 ✓ Warning:Pl	ease reboot VTH and Brov	vserl		
> UPnP Config Info Search Status Statistics		Default	Refresh OK				
▶ Logout							

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.

> LAN Config	FamilyName	FirstName	Nick Name	Room No.	IP Address	Card No. Info
Indoor Manager						
> Network Config	Add Expo	rt Config Import Cor	nfig			
> √ideo Set		Add				×
> User Manager			FamilyName			
IPC Information						
			FirstName			
			Nick Name			
			VTH Short No.	9901	×	
			ID Address	•		
Logout						

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.

(-) (=) (=) http://192.168.1.1	110/	5 - Q	SERVICE	×
IP VDP Doc	or Station	Web Serv	er V1.0	
System Config	Reboot Device			
 Info Search Status Statistics 	Reboot Device	Default All]	
 Logout Reboot Device 				

2.2 How to setup the VTH

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

9901		VTO Config	, 🗃 🔒
Network	Main_VTO	Main VTO	
VTH Config	VTO IP	192 168 1 110	
	Device Type		-
VTO Config	Middle No.	10116902	
Search Device	User Name	admin	
Default	Password	•••••	
Reset MSG	Enable Status		
Reservise			

9902		VTO Config	
Network	Main_VTO	Main VTO	
VTH Config	VTO IP	192 . 168 . 1 . 110	
	Device Type		
VIO Config	Middle No.		
Search Device	User Name	admin	
Default	Password	••••••	The second
Reset MSC	Enable Status		
Reservise			

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



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. <u>When used in Villa Station, it can only be used to input unlock password.</u>

 System Config 	Local Config	A&C Manager	Sound Control	Talk Manager	System Time	Facade Layout	Config Manager
Local Config							
 LAN Config Indoor Manager 							
> Network Config				-			
				000	-		
		-	Ď			2	
>						1)	
> lr							
> S				0	0		
> L				nal			
			0	acei			

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.

 System Config 	Local Config A8	C Manager	Sound Contr	ol Tall	k Manager
> Local Config					
> LAN Config	Lock Number	Local	~		
> Indoor Manager	Unlock Responding Interval	10			
> Network Config	Unlock Period	5			
> Video Set	Door Sensor Check Time	1		Check Door Sens	or Signal Before Lock
> User Manager		-			3
> IPC Information	Password Unlock Type	Uniform Passwo	rd 🗸		
> UPnP Config	New Unlock Password	•••••			
> FingerPrint Manager	New Unlock Password	•••••			
▶ Info Search	Confirm				
Status Statistics	New Menace Password	1			
▶ Logout	New Menace Password				
	Confirm	1			
	Auto Snapshot	⊖ Enable	 Disable 		
	Upload Unlock Record	O Enable	Disable		
		Issue Card			
		Default	Refresh	ОК	

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'.

🔻 System Config	Local Config	A&C Manager	Sound Contro	ol Talk Manager
Local Config LAN Config Indoor Manager Network Config	Lock Numbe Unlock Responding Interv Unlock Perio	er Local		
Video Set	Door Sensor Check Tim	e 120		Check Door Sensor Signal Before L
Vser manager IP Purview IPC Information UPnP Config	Password Unlock Typ New Unlock Passwor New Unlock Password Confiri	e Self Password d	.	The ashes cannot be entered
 Info Search Status Statistics 	New Menace Passwor New Menace Passwor	d		
Logout	Confiri Auto Snapsho Upload Unlock Recor	n ot O Enable @ d O Enable @ Default	Disable Disable Refresh	ок

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

♥ 101		General		
Ring	Time	Display	User Password	Other
) DND		Old Pwd:		
🈩 Alarm		New Pwd:		
Mode				
🔅 General		Confirm Pwd:		
i Product Info				
🕸 Language		ОК		

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. + \bigcirc , 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.

System Config	Local Config	A&C Manager	Sound Control	Talk Manager Sys	em Time Facade Layout	Config Manager
LAN Config Indoor Manager						
Network Config S			•	<u>A</u> AAA		
> >				4 5 6 0 7 8 9 #		
lr S		Ð				
			c	ancel		

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

Local Config A8	C Manager	Sound C	ontrol	Talk Manager
Lock Number	Local	~]	
Unlock Responding Interval	10]	
Unlock Period	5]	
Door Sensor Check Time	1		Check Door	Sensor Signal Before Lock
Password Unlock Type	Uniform Passwo	ord 🗸]	
New Unlock Password	•••••			
New Unlock Password	•••••			
Confirm				
New Menace Password]	
New Menace Password]	
Confirm				
Auto Snapshot	O Enable	Disable		
Upload Unlock Record	O Enable	Disable		
	Issue Card			
	Default	Refresh	OK	



l	Local Config A8	C Manager	Sound C	ontrol	Talk Manager
	Lock Number	Local	~]	
	Unlock Responding Interval	10]	
	Unlock Period	5]	
	Door Sensor Check Time	1		Check Doo	r Sensor Signal Before L
	Password Unlock Type	Uniform Passw	ord 🗸]	
	New Unlock Password]	
	New Unlock Password]	
	Confirm				
	New Menace Password]	
	New Menace Password]	
	Confirm				
	Auto Snapshot	O Enable	Disable		
	Upload Unlock Record	O Enable	 Disable 		
		Get Card Number	s:1 Current Card	d No.:5A04190A	¢.
		Confirm Issue	Cancel Issue(2	27)	-
		Default	Refresh	ОК	



	Digital Indoor Station Ma	nager									
		- 11.1	1.000				_		00.0.1		
> LAN Config	ramtyname	Firstname	NICK Name	KOOM NO.	F	Address		Card No. Into	UR CODE	Modity	Delete
> Indoor Manager		11 A		9902	192	.100.1.109		13J		2	
> Network Config	Add Export Confi	ig Import Config								M 4 17	1 🕨 🎽 Go to 📃 📦
	10 0.00										
		Card Info	_	_	_	_	_				
		Card ID	Card Number	Username	Main Card	ReportLoss	Modify	Delete			
		9902	5A04190A				1	•			

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.

System Config	TCP/IP	FTP	Port	DDNS	P2P
> Local Config					
LAN Config		✓ Enable			
Indoor Manager		Online			
> Network Config		Status Online			
> Video Set		SN 1E0047AYAZ000	16		
> User Manager		Default	Refresh OK		
> IP Purview		, L			
> IPC Information					
> UPnP Config					
> FingerPrint Manager					
Info Search					
Status Statistics					
Logout					

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.

Digital	Indoor Station Mana	iger					
	FamilyName	FirstName	Nick Name	Room No.	IP Address	Card No. Info	
				9901	192.168.1.109		63
				9902	192.168.1.108		0
A	dd Export Config	Import Config					
-							
		QR	Code				
			Ucornomo	. due te			
			Osemane	admin			
			Password	•••••			
				OK	Cancel		
			SN	1E0047AYAZ00016			
			QR Code	ាររបស់			

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.





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.

↔ (a) http://192.168.1.110/		_		D + C 🍯 WEB S	SERVICE ×		23
IP VDP Doo	or Station Web Se	rver V1.0					
System Config	Local Config A8	&C Manager Sound 0	Control	Talk Manager	System Time	Facade Layout	Config Manager
> Local Config							
LAN Config	Sensor	60					
> Indoor Manager	Device Type	Villa Station	Change the devi	ce type will affects P2I	P and Facade Layout, Plea	se reboot VTO.	
Network Config	Reboot Date	Tuesday					
> Video Set	Version Info	2017 00 02 1/2 120 0000					
> User Manager	Version into	2017-08-03 V3.120.0000					
> IPC Information	DialRule	Noserial	Warning Please	reboot VTH and Brow	serl		
> UPnP Config		Default Refresh	ОК				
Info Search							
Status Statistics							
⊳ Logout							

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.

👻 System Config	Digital Indoor Station Man	ager			
> Local Config					
> LAN Config	FamilyName	FirstName	Nick Name	Room No.	IP Address
> Indoor Manager				9901	
> Network Config	Add Export Config	Import Config			
> Video Set		Add			×
> User Manager		FamilyName			
> IP Purview		FirstName			
> IPC Information		Thoritania			
> UPnP Config		Nick Name			
▶ Info Search		VTH Short No.		*	
Status Statistics		IP Address			
▶ Logout			ОК	Cancel	
		Warning:The existent vth will	be deleted when a ne	w vth added since the device i	is villa station.

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 <u>input password</u>.



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.

