

Quick Start Guide for IP Villa System

Door Station as SIP Server





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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

	General_VTOXXX_Eng_P_16M_SIP_V4.300.0000000.1.R.20190305	
VTO2000A	Device1 IP: 192.168.1.110	V4.3 baseline (SIP)
	VTO NO: 6901	





VTO2000A	General_VTOXXX_Eng_P_16M_SIP_V4.300.0000000.1.R.20190305 Device IP: 192.168.1.111 VTO NO: 6902	V4.3 baseline (SIP)
VTH1550CH	General_VTH151X_Eng_SIP_V4.300.0000000.8.R.20190316 Device IP: 192.168.1.107 Room NO: 101#0	V4.3 baseline (SIP)
VTO1550CH	General_VTH151X_Eng_SIP_V4.300.0000000.8.R.20190316 Device IP: 192.168.1.108 Room No: 101#1	V4.3 baseline (SIP)
IE 11	Explorer11 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 <u>http://192.168.1.110</u> as below pic. The first login requires changing password for security.

E 12 To - 18 A		The open	ter of the laster till. A	first.			
(-) 🛞 🧟 http://192.16	58.1.111/#/Login	P → C 🥘 WEB SERVICE	×				6 🚖 🤀
			WEB SERVS Username admin Password •••••••	ECE2.0 Forget Passe	vord?		
(C) (S) (S) http://192.10	58.1.110/#/Index	ク → C Ø WEB SERVICE	×				- □ × ·
WEB SERVICE	2.0					Δ Π	
	Outdoor Station	Building No. : 0 Device Type : Villa Station	Unit No. : 0 VTO No. : 8001				
	Software Version Info		Device Info 🗸	Export Config	Import Config		
	MCU Version Info						
	Security BaseLine Version						

- **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.





	Local Setting VTO related settings		2	Household Setting Room No. , user right and IPC management.	
	Network Setting		LOG	Log Management Unlock, call, alarm and system history.	
C August //100 159 1 110/#/NU		Surp crouter v	Reference (1) Prod		
WEB SERVICE2.0	☆Local Setting	Household Setting	() Network Setting	Log Management	≜ † ⊕-
Basic	SIP Server	🗹 Enable			
FTP	Server Type				
UPnP	IP Addr.				
SIP Server	Port Username				
IP Permissions	Password				
	SIP Domain				
	SIP Server Username	admin			
				Save	Refresh Default

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

WEB SERVICE2.0	☆ Local Setting	⊞ Household Setting	(i) Network Setting	Log Ma	nagement	▲ ♠	[→ -
VTO No. Management	Room No. Management						
	Room No.	First Name	Last Name	Nick Name	Register Type	Modify	
VTS Management	9901#0				public	/ X	^
Status	9901#1				public	× ×	
	9901#2				public	/ X	
	9901#3				public	××	
	9901#4				public	/ X	
	9901#5				public	ZX	
	9901#6				public	/ X	
	9901#7				public	ZX	
	9901#8				public	/ X	
	9901#9				public	ZX	
	9901#10				public	2 X	~





Add		×		
First Name				
Last Name				
Nick Name				
Room No.		Room number		
Register Type	public 👻			
Pagister Dassword			public It doores	
Register Password		Just keep defai	ult:123456	
	Save Can	icel		

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 doo	or station is completed.

C C Mttp://192.168.1.110/#/Loca	€ ۲۰۹ la	WEB SERVICE ×		
WEB SERVICE2.0	쳢 Local Setting	≣ _□ Household Setting	(a) Network Settin	ng 🔁 Log Management
Basic	Device Properties			
Video & Audio	Device Type	Villa Station 👻	Centre Call No.	888888
Access Control 💙	Villa Call No. VTO No.	101 8001	Call Centre Time	00:00:00 🕑 - 23:5
System	Group Call rebooted after modif	Warning:The device will be ying group call enable status.		
Security				

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.





Call 7 NEW		Password	Verificatio	n X	1:39
					2019 Thur.
	Passwor	d:			
Monitor	1	2	3	#	
	4	5	6	0	
	7	8	9	-	

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

● 101#0		VTH Config	ə	♠
Network				
	Room No.	101#0	Master	
VIA Conlig	Master IP			
SIP Server	Master Name	ar inde		
VTO Config				
vie coning	Master Pwd			
Search Device	Version			
Default All	SSH	OFF MERICANISATION AND AND AND AND AND AND AND AND AND AN		
Reset MSG		ОК		

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.



● 9901		SIP Server 🕄 🕄 🍙 🏫
Network	Server IP	192 . 168 . 1 . 110
VTH Config	Network Port	5060
SIP Server	User Name	3941 particular and a state of the second
on Gerver	Register Pwd	
VTO Config	Domain	
Search Device	User Name	admin ,
Default All	Login Pwd	
Reset MSG	Enable Status	
		ОК

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'.

€ 101#0		VTO Config	
Network	Main_VTO	Main VTO	
	VTO IP	192	
VTH Config	User Name	admin admin and a second s	
SIP Server	Password	•••••••	
VTO Config	Enable Status		
	Sub_VTO1		
Search Device	VTO IP	0.0.0.0	
Default All	User Name	admin	
Report MSC	Password		
Reservise	Enable Status	OFF PROPERTY AND	< >

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 <u>http://192.168.1.110</u>, 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.

Add		×		
First Name				
Last Name				
Nick Name				
Room No.		+		
Register Type	public	•		
Register Password				
nogistar i districi d				
	<u></u>			
	Save	Cancel		

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.





¥ 101#1		VTH Config	Ra	
Network				
VTH Config	Room No.	101#1	Extension	
	Master IP	192 168 1 107		
SIP Server	Master Name	admin		
VTO Config	Master Pwd	•••••		
Search Device	Version	20190310 V4 300 000000 8 P		
Default All	SSH Markatta	OFF HIMMENTALLYMAN		
Reset MSG				
		ОК		

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

♥ 101#1		VTO Config		8.0	A
Network	Main_VTO				
NTH Cart	VTO IP				
Viriconing	User Name	STATISTICS AND			
SIP Server	Password				
VTO Config	Enable Status				
Search Device	Sub_VTO1				
	VTO IP				
Default All	User Name	admin			
Reset MSG	Password	40000			
	Enable Status	OFF Deservation of the second second	<	>	

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







> 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 <u>http://192.168.1.111</u>, 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.					
(-) (@ http://192.168.1.111/#/Network	P + C Ø web service ×				

G & http://192.168.1.111/#/Ne	twork	WEB SERVICE ×		1.002	1 X X
WEB SERVICE2.0	춦 Local Setting	a Household Setting	() Network Setting	Log Management	▲ ♠ ⊡-
Basic	SID Server	Fnable			
FTP	Server Type	VTO -			
UPnP	IP Addr.	192.168.1.110			
SIP Server	Port Username	5060 8001			
IP Permissions	Password	•••••			
	SIP Domain	VDP			
	SIP Server Username	admin			
	SIP Server Password	•••••			
				Save	Refresh Default

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 <u>http://192.168.1.110</u>, 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.





Add		×				
Rec N	o. 8002	VTO No.	of sub VTO			
Register Passwor	rd ••••••	Keep def	ault 123456			
Build N	o.					
Unit N	o.					
IP Addres	ss 192.168.1.111	IP addres	ss of sub VTO			
Usernam	ne admin					
Passwor	rd ••••••	Web inte	erface of sub VTO			
	Save	Cancel				
C @ http://192.168.1.110/#/Hou	se 🍳 🖉 🖉	NEB SERVICE ×	WEB SERVICE			
WEB SERVICE2.0	☆ Local Setting	≣ ⇔Household Setting	() Network Setting	Log Management		▲ 🕈 🕞 -
	VTO No. Management					
Room No. Management	VTO No.	Build No.	Unit No.	IP Address	Modify	Delete
VTS Management	8001			192.168.1.110	1	
	8002			192.168.1.111	1	
Status						

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'.





♥ 101#0		VTO Config	
Network	Main_VTO	Main VTO	
VTH Config	VTO IP standar	192 168 1 110	
Viriconing	User Name	admin	
SIP Server	Password	•••••••	
VTO Config	Enable Status		
Court D	Sub_VTO1	sub	
Search Device	VTO IP	192 . 168 . 1 . 111	
Default All	User Name	admin admin administration administration administration administration administration administration administra	
Reset MSG	Password	••••••	
	Enable Status		< >

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

♥ 101#1		VTO Config	
Network	Main_VTO		
	VTO IP	1522 Martin Constant Starting of Constant	
VIACOIIIg	User Name		
SIP Server	Password 184		
VTO Config	Enable Status		
	Sub_VTO1	STEM MARK MILLION STATES	
Search Device	VTO IP	1920001684420170070.0011000000	
Default All	User Name	administrationalistations com	
Baset MSC	Password		
Reservise	Enable Status	ON	< >

4.4 Check result

Call from main VTO:







Call from sub VTO:



