SIP System Manual

1, Outdoor station as SIP server,

Web interface setting

Network Config -> As Sip Server Tick Off

IP VDP Door St	ation Web Server V	1.0		
▼ System Config	ТСРЛР	Self Config	SipServer Config	App Port
Local Conlig Indoor Station Manager	SIP Server IP SIP Server Port	10 · 0 · 1	0 . 252 (1~65535)	
Video Config Didlich laferaufer	UserName Registration Password	8001		
Publish Information IPC Info	SIP Domain 🔽 As Sip Server	VDP		
 User Management UPNP Config 		ОК	Refresh	Default
 Info Search Status Statistics 				
▶ Logout				

1). Local Config -> Dail Rule -> Support Building; Support Unit; Group Call; Tick Off (After setting, system will reboot)

IP VDP Door St	tation	Web Server \	/1.0			
 System Config Local Config Indoor Station Manager Network Config Video Config Video Config Publish Information IPC Info User Management UPNP Config 	। ব ব ব	Config Support Building Support Unit Group Call OK	Dail Rule Default Reboot	UpTown Config	Config Manage	S
 Info Search Status Statistics Logout 			•	Group call mode has b system will reboot after	een changed. about 60 seconds.	

2).Indoor Station Manager -> Digital OutDoor Station, Add Outdoor Station 8001, VTO_building and VTO_unit set as 00

P VDP Door Station Web Server V1.0							
▼ System Config	Indoor Station						
Local Config	Digital OutDoor Stati	on Digital Indoor Stat	ion				
Indoor Station Manager	VTO Short No.	Buliding No.	Unit No.				
Network Config	Δ	dd	×				
Video Config			<u> </u>				
Publish Information		VTO Short No.	8001				
► IPC Info		Registration Password	*				
► User Management		vto_building	00 *				
UPNP Config		vto_unit	00 *				
▶ Info Search		vto_ipaddr	127 . 0 . 0 . 1				
► Status Statistics			• Cancel				
▶ Logout							

3). Indoor Station Manager -> Digital InDoor Station, Add Indoor Station 101, In "main_vto", choose corresponding VTO

IP VDP Door Sta	ation WebS	erver	V1.0			
▼ System Config ▶ Local Config	Indoor Station	Ptation	Divital Indees Stat	ion		
Indoor Station Manager	FirstName	Station	FamilyName	vth_position	Room No.	Opendo
 Network Config Video Config 	for	Add				×
 Publish Information 		Fir	stName			
► IPC Info		Fa	milyName	404		
 Oser management UPNP Config 		Un	llock Password			
▶ Info Search		Re	gistration Password		*	
Status Statistics		Re	gister Type	public	-	
▶ Logout		ma	ain_vto	127.0.0.18001	-	
				ОК	Cancel	

4).Setting Building No. : 00; Unit No. : 00; VTO Short No. : 8001

IP VDP Door Station Web Server V1.0							
▼ System Config ▶ Local Config	TCP/IP	Self Config	SipServer Config				
 Indoor Station Manager Network Config 	Buliding No. Unit No.	00					
 Video Config Publish Information 	VTO Short No.	8001	Default				
► IPC Info ► Liser Management							
 UPNP Config 							

5). After setting web interface of VTO, now start to setting corresponding VTH Click Settings



6). Choose Project Settings and enter the engineering setup, the password is 888888

🗗 🗞 🖫 🖉	S	∕stem Sett	ings		<u></u>
	Ĩ	Password	Verificatior	י (X)	User Settings
Password	F	^p wd:			♣ Project Settings
🕒 Talk	1	2	3	#	Introduction
	4	5	6	0	
J Forward	7	8	9	+	
省 Touch Ring	0	К	Car	ncel	

7. Input 101 in Room No.

₽	N		Project	Settings			ہ	
	Room No.	101		Maste	r		Product Info	<
	Local IP	1 1	2	3	#		SIP Server	
	Subnet Mask	² 4	5	6	0	₽	Network	
	Gateway	1 7	8	9	+			
	MAC	00.01.00.0	0.00.70			· '	IPC Info	
	Version	Eng_P_V1	.100.0000	.0.R.20140	429	0	Default	
44 24 24 22						5	Back	
	C	к	DHCP	ON				

8. Click "SIP Server", Configure the VTO's IP which can be find in Web Interface.

₽	x =	Project Settings		<u>ہ</u>	
	VTO IP Address	172 5 2 228		Product Info	
	Network Port	5060		SIP Server	<
	User Name	101	Q	Network	
	Password	•••••		IPC Info	
	Realm		-	Defect	
			•	Default	
		ОК	7	Back	

VTO's IP can be found in Web interface.

IP VDP Door St	ation Web Serve	er V1.0		
▼ System Config	TCP/IP	Self Config	SipServer Config	A
 Local Config Indoor Station Manager 	IP Address Subnet Mask	172 · 5 · 2 · 228 255 · 255 · 0 · 0		
 Network Config Video Config Town of the matrix 	Default Gateway DNS IP	172 · 5 · 0 · 1 8 · 8 · 8 · 8		
 Publish Information IPC Info 	MAC Address	00 - 01 - 5b - 0d	2 - 33 - 44 Refresh Default	
 Oser management 				

9). After setting, the interface of VTH is as follows. Icon " VTH is as follows. Icon " disappearing means registration successful and VTH can put into use.



Introduction of calling

Dialing 101 can achieve the calling from VTO to VTH101. If you want to call from one VTH to another VTH, such as 102, choose Video Talk –>Call User, and configure the number 102



2. Use the Asterisk SIP server

1). Input the SIP server IP address, input the user name 800X and Password which config on Asterisk SIP server.

The user name must be config as 800X.

IP VDP Door Stat	tion Web Server V	1.0		
System Config Local Config Indoor Station Manager Network Config Video Config Publish Information IPC Info	TCP/IP SIP Server IP SIP Server Port UserName Registration Password SIP Domain	Self Config 172 . 5 . 2 . 5060 8001 VDP	SipServer Config 230 (1~65535)	App Port
 UPNP Config Info Search Status Statistics Logout 		C Reboot	sip_server_enable_cha	anged

2).The VTO short No must be as the 800X like follow image.

IP VDP Door Station Web Server V1.0							
▼ System Config	TCP/IP	Self Config	SipServer Config				
 Local Config Indoor Station Manager 	Buliding No. Unit No.	00					
 Network Config Video Config 	VTO Short No.	8001	Dofault				
 Publish Information IPC Info 			Delault				
 User Management UPNP Config 							

3. Outdoor Station as SIP phone VTNC's server

Web interface setting.

1). web Network Config -> SipServer Config, do not tick of in As Sip Server, Configure VTNC's IP in SIP Server Config (test IP is 172.5.2.230), then system will reboot.

IP VDP Door St	ation Web Server V	1.0		
System Config Local Config Indoor Station Manager Network Config Video Config Publish Information IPC Info User Management	TCP/IP SIP Server IP SIP Server Port UserName Registration Password SIP Domain	Self Config 172 . 5 . 2 5060 8001 VDP Reboot	SipServer Config . 230 (1~65535)	App Port
 UPNP Config Info Search Status Statistics Logout 		•	sip_server_enable_cha	nged

2).After rebooting, configure your Building, Unit and VTO number, such as 01#02#8001

IP VDP Door Station Web Server V1.0							
▼ System Config	TCP/IP	Self Config	SipServer Conf				
▶ Local Config	Bulidina No.	01					
Network Config	Unit No.	02					
Video Config	VTO Short No.	8001					
User Management							
▶ Info Search		ок	Default				

3). Same as setting of VTO, Local Config -> Dail Rule, then tick off "Support Building"," Support Unit", "Group Call". (After ticking off, system will reboot).

IP VDP Door Station Web Server V1.0								
System Config Local Config Indoor Station Manager Network Config Publish Information IPC Info User Management	Local C T T	Config Support Building Support Unit Group Call OK	Dail Rule	UpTown Config	Config Manage	Ş		
 UPNP Config Info Search Status Statistics Logout 			Reboot	Group call mode has t system will reboot after	been changed. about 60 seconds.			

4). Add VTOs in VTNC's Web interface, such as 01#02#8001; 02#02#8001

IP VDP Door Station Web Server V1.0								
▼ System Config	Indoor Station							
Local Config	Digital OutDoor S	tation Digital Indoor Stati	on					
Indoor Station Manager	VTO Short No.	Buliding No.	Unit No.					
Network Config]	Add						
Publish Information		~~~						
► IPC Info		VTO Short No.	8001 *					
► User Management		Registration Password	*					
UPNP Config		vto_building	01 *					
▶ Info Search		vto_unit	02 *					
► Status Statistics		vto_ipaddr	127 . 0 . 0 . 1					
▶ Logout			OK Cancel					

5). Add VTHs in VTNC which belongs to 01#02

IP VDP Door Station Web Server V1.0									
▼ System Config ► Local Config	Indoor Station	Station	Digital Indoor Sta	tion		_			
 Indoor Station Manager Network Config 	FirstName for	Add	FamilyName	vth_position	Room No.	Opendo			
 Publish Information IPC Info 		Firs	tName						
 User Management UPNP Config 		Fam VTH	nilyName I Short No.	101	*				
 Info Search Status Statistics 		Reg	istration Password		*				
▶ Logout		Reg mai	iister iype n_vto	127.0.0.101028001					
				ОК	Cancel				

6). After setting VTO and VTNC, now start to setting corresponding VTH

Ð	>	Proje	ect Settings		<u>ہ</u>	
	Room No.	101	Master		Product Info	<
	Local IP	172 · 5 · 2	[.] 227		SIP Server	
	Subnet Mask	255 [·] 255 [·] 0	· 0	đ	Network	
	Gateway	172 5 0				
	MAC	00:01:5b:00:33:43		<u>-</u> 1	IPC Info	
	Version	Eng_P_V1.100.000)0.0.R.20140429	0	Default	
				*	Back	
	C	DK DHCF	ON			

Input 101 in Room No.

₽	i	Project Settings		A	
	VTO IP Address	172 5 2 230		Product Info	
	Network Port	5060		SIP Server	<
	User Name	0102101	₽	Network	
	Password	•••••		IPC Info	
	Realm		1		
	Enable Status	ON	Û	Default	
		ок	>	Back	

Configure VTNC's IP (172.5.2.230) in VTO IP Address.

₽	x	Project Settings	
			Product Info
			SIP Server
<	VIOName &∨to ip net	PVIP 172 5 2 228	📮 Network <
	Enable Status	ON	🚍 IPC Info
			Default
ан а 1995 — Ан		ОК	➔ Back

Main VTO's IP is 172.5.2.228

7. After setting, the interface of VTH is as follows. Icon " disappearing means registration successful and VTH can put into use.



Introduction of calling

When calling from VTO to VTH, dial VTH' number directly, such as 101. (VTH must subordinate to the VTO or else failure to calling)

When calling from VTH to VTH, dial VTH's number directly in one Unit, such as when calling from 101 in 01#02 to 102 in 01#02, dial 102 directly.



When calling VTH in different Units, dial the Room Number. Such as when calling from 101 in 01#02 to 102 in 02#02, dial 02#02#102 directly.



Dialing rules of calling transfer are same as ditto.

4. Introduction of group call.

When group call (call from main VTH to sub VTH or sub VTH to sub VTH), dial #0,#1.....#0 represent main VTH and others represent sub VTHs.

