# **IP Audio Indoor Station**

Quick Start Guide

V1.0.2



Please scan the QR code to view the user's manual.

## **Cybersecurity Recommendations**

### Mandatory actions to be taken towards cybersecurity

#### 1. Change Passwords and Use Strong Passwords:

The number one reason systems get "hacked" is due to having weak or default passwords. It is recommended to change default passwords immediately and choose a strong password whenever possible. A strong password should be made up of at least 8 characters and a combination of special characters, numbers, and upper and lower case letters.

#### 2. Update Firmware

As is standard procedure in the tech-industry, we recommend keeping NVR, DVR, and IP camera firmware up-to-date to ensure the system is current with the latest security patches and fixes.

#### "Nice to have" recommendations to improve your network security

#### 1. Change Passwords Regularly

Regularly change the credentials to your devices to help ensure that only authorized users are able to access the system.

### 2. Change Default HTTP and TCP Ports:

• Change default HTTP and TCP ports for systems. These are the two ports used to communicate and to view video feeds remotely.

• These ports can be changed to any set of numbers between 1025-65535. Avoiding the default ports reduces the risk of outsiders being able to guess which ports you are using.

#### 3. Enable HTTPS/SSL:

Set up an SSL Certificate to enable HTTPS. This will encrypt all communication between your devices and recorder.

### 4. Enable IP Filter:

Enabling your IP filter will prevent everyone, except those with specified IP addresses, from accessing the system.

### 5. Change ONVIF Password:

On older IP Camera firmware, the ONVIF password does not change when you change the system's credentials. You will need to either update the camera's firmware to the latest revision or manually change the ONVIF password.

### 6. Forward Only Ports You Need:

• Only forward the HTTP and TCP ports that you need to use. Do not forward a huge range of numbers to the device. Do not DMZ the device's IP address.

• You do not need to forward any ports for individual cameras if they are all connected to a recorder on

site; just the NVR is needed.

### 7. Disable Auto-Login on SmartPSS:

Those using SmartPSS to view their system and on a computer that is used by multiple people should disable auto-login. This adds a layer of security to prevent users without the appropriate credentials from accessing the system.

### 8. Use a Different Username and Password for SmartPSS:

In the event that your social media, bank, email, etc. account is compromised, you would not want someone collecting those passwords and trying them out on your video surveillance system. Using a different username and password for your security system will make it more difficult for someone to guess their way into your system.

### 9. Limit Features of Guest Accounts:

If your system is set up for multiple users, ensure that each user only has rights to features and functions they need to use to perform their job.

### 10. UPnP:

• UPnP will automatically try to forward ports in your router or modem. Normally this would be a good thing. However, if your system automatically forwards the ports and you leave the credentials defaulted, you may end up with unwanted visitors.

• If you manually forwarded the HTTP and TCP ports in your router/modem, this feature should be turned off regardless. Disabling UPnP is recommended when the function is not used in real applications.

### 11. SNMP:

Disable SNMP if you are not using it. If you are using SNMP, you should do so only temporarily, for tracing and testing purposes only.

### 12. Multicast:

Multicast is used to share video streams between two recorders. Currently there are no known issues involving Multicast, but if you are not using this feature, deactivation can enhance your network security.

### 13. Check the Log:

If you suspect that someone has gained unauthorized access to your system, you can check the system log. The system log will show you which IP addresses were used to login to your system and what was accessed.

### 14. Physically Lock Down the Device:

Ideally, you want to prevent any unauthorized physical access to your system. The best way to achieve this is to install the recorder in a lockbox, locking server rack, or in a room that is behind a lock and key.

### 15. Connect IP Cameras to the PoE Ports on the Back of an NVR:

Cameras connected to the PoE ports on the back of an NVR are isolated from the outside world and cannot be accessed directly.

### 16. Isolate NVR and IP Camera Network

The network your NVR and IP camera resides on should not be the same network as your public computer network. This will prevent any visitors or unwanted guests from getting access to the same network the security system needs in order to function properly.

### General

This document mainly introduces installation and basic operation of IP audio indoor station.

### Safety Instructions

The following categorized signal words with defined meaning might appear in the Manual.

Signal Words	Meaning
	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
©TIPS	Provides methods to help you solve a problem or save you time.
	Provides additional information as the emphasis and supplement to the text.

### **Revision History**

No.	Version	Revision Content	Release Date
1	V1.0.0	First release	2017.10.18
2	V1.0.1	Change size	2017.11.27
3	V1.0.2	Add privacy protection notice	2018.05.23

### **Privacy Protection Notice**

As the device user or data controller, you might collect personal data of others' such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.

### About the Manual

• The Manual is for reference only. If there is inconsistency between the Manual and the actual product, the actual product shall prevail.

- We are not liable for any loss caused by the operations that do not comply with the Manual.
- The Manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper User's Manual, CD-ROM, QR code or our official website. If there is inconsistency between paper User's Manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the Manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Upgrade the reader software or try other mainstream reader software if the Guide (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the Manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

## Important Safeguards and Warnings

The following description is the correct application method of the device. Please read the document carefully before use, in order to prevent danger and property loss. Strictly conform to the document during application and keep it properly after reading.

### **Power Requirement**

- Please modify user's default password timely after device deployment, in order to prevent embezzlement.
- Please don't place and install the device in an area exposed to direct sunlight or near heat generating device.
- Please don't install the device in a humid, dusty or fuliginous area.
- Please keep its horizontal installation, or install it at stable places, and prevent it from falling.
- Please don't drip or splash liquids onto the device; don't put on the device anything filled with liquids, in order to prevent liquids from flowing into the device.
- Please install the device at well-ventilated places; don't block its ventilation opening.
- Use the device only within rated input and output range.
- Please don't dismantle the device arbitrarily.

### **Operating Requirement**

- The product shall use electric wires (power wires) recommended by this area, which shall be used within its rated specification!
- Please use power supply that meets SELV (safety extra low voltage) requirements, and supply power with rated voltage that conforms to Limited Power Source in IEC60950-1. For specific power supply requirements, please refer to device labels.
- Appliance coupler is a disconnecting device. During normal use, please keep an angle that facilitates operation.

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### 1.1 Front Panel



Figure 1-1

No.	Name		Description		
1	Microphone		Audio input.		
2	Concealed indicator light		<ul> <li>Indicator light flashes: device deployment.</li> <li>Indicator light is normally on: the device is in DND status.</li> <li>Indicator light is off: the device is normal.</li> </ul>		
3	Speaker		Audio output.		
		sos	Press this key to call Management Center at once.		
4	+	Plus Sign	<ul> <li>In call status, press this key to increase talk volume.</li> <li>In standby status, press this key to increase ring volume.</li> </ul>		
	Call		<ul> <li>In case of incoming call, press this key to answer the call.</li> <li>During talk, press this key to hang up.</li> <li>In case of messages, in standby status, press this key to play</li> </ul>		

No.	Name		Description		
			the messages.		
	-	Subtraction Sign	<ul> <li>In call status, press this key to reduce talk volume.</li> <li>In standby status, press this key to reduce ring volume.</li> <li>In standby status, press this key to reduce main VTH volume to 0, and the device enters DND status.</li> </ul>		
	( de	Unlock	Press this key during talk, and the corresponding VTO unlocks.		
	+	Plus Sign+ Call Key	<ul> <li>In standby status, press "Plus Sign+ Call Key" to arm and disarm.</li> <li>In disarmed status, press this combination key to arm. Indicator light flashes and the device beeps continuously.</li> <li>In armed status, press this combination key to disarm. Indicator light turns off and the device beeps twice.</li> </ul>		
		Subtraction Sign+ Call Key	<ul> <li>In standby status, press "Subtraction Sign+ Call Key" to switch rings.</li> </ul>		

Table 1-1

### 1.2 Rear Panel Interface



Figure 1-2

### Reset Key

Press this key shortly to carry out voice broadcast of present IP address. Press it for 5s, and the device restores factory defaults.

### **Network Port**

Provide network communications and power supply function.



### 2.1 Before Installation

- Engineering installation and debugging shall be implemented by professional teams. In • case of device faults, please don't dismantle or repair by yourself; please contact our after-sales department.
- Try not to install VTH in poor environment, such as condensation, high-temperature, stained, dusty, chemically corrosive or direct sunlight environment.
- In case of any abnormality after insertion of network cable and power on, please unplug the network cable to cut off power supply at once. Connect power supply again after troubleshooting.

### 2.2 Installation

III Note

It is suggested that installation height of device central point shall be 1.4cm~1.6cm above the ground.

- Step 1 Drill holes in the wall according to hole positions of the installation bracket.
- Step 2 Fix installation bracket directly onto the wall with M4×30 screws.
- Step 3 Fix the device onto installation bracket with snap joint.



Figure 2-1

# 3

# Device Debugging

Carry out debugging to ensure that the device can realize basic network access, call and monitoring functions after installation. Before debugging, please check whether the following work has been completed.

- Check whether there is short circuit or open circuit. Power on the device only after the circuit is confirmed to be normal.
- Every device IP, VTO and VTH no. has been planned.

### 3.1 Debugging Settings

- This device is used with VTO of SIP system.
- Every VTO and VTH in the network shall be debugged.

### 3.1.1 VTO Debugging

### 3.1.1.1 WEB Interface Initialization

For the first time, please initialize and modify login password.

D Note

Please ensure that default IP addresses of PC and VTO are in the same network segment. Default IP address of VTO is 192.168.1.110.

- Step 1 Connect VTO power and boot up.
- Step 2 Enter default IP address of VTO at the address bar of PC browser. The system displays "Setting" interface, as shown in Figure 3-1.

)evice
<b>1</b> Setting <b>2</b> Protect <b>3</b> OK
Username admin
New Password
Weak Middle Strong
Confirm
Use a password that has 8 to 32 characters, it can be a combination of letters, numbers and symbols (please do not use special symbols like ' $x$ " $x$ ; $x$ : $x$ &)
Next

Figure 3-1

Step 3 Enter "New Password" and "Confirm", and click "Next". The system displays "Protect" interface, as shown in Figure 3-2.

Note Note

This password is used to login WEB interface. It shall be at least 8 characters, and shall include at least two types of number, letter and symbol.

Device				×
	1 Setting	2 Protect	3 ок	
	C Email (To reset pas	sword, please input prop	erly or update in time)	
		Next		

Figure 3-2

Step 4 Select "Email" and enter your Email address.
 This Email address is used to reset the password, so it is recommended that it should be set.
 Step 5 Click "Next".

The system displays "OK" interface, as shown in Figure 3-3, and shows "Device

initialization succeeded!"

Device				×
	1 Setting	2 Protect	3 ок	
	🗸 Device	initialization	succeeded!	
		Ok		

Figure 3-3

Step 6 Click "OK".

The system displays WEB login interface, as shown in Figure 3-4.

IP VDP De	o <b>or Station</b> Web Server V1.0	
	4	
	9	Forgot Password?
	Login	



Step 7 Enter user name and password, and click "Login".

Log in the WEB interface of the device.

Note Note

- Default user name is admin.
- Password is the one set during initialization.

### 3.1.1.2 Modify IP Address of the Device

Modify default IP address of VTO to the planned IP address, and connect it into the network.

Step 1 Select "System Config> Network Config> Network Config". The system displays "Network Config" interface, as shown in Figure 3-5.

- System Config	TCP/IP	FTP Config	SIP Server Config	Port Config	HTTPS Setting
🔻 System Config	ICF/IF	FTP Coning	SIP Server Coning	Port Coning	HTTPS Setting
> Local Config					
> LAN Config	IP Address	192.168.1.110	)		
> Network Config	Subnet Mask	255.255.255.0	)		
> Video Set	Defeuth Osterney				
> User Manager	Default Gateway	192.168.1.1			
> IP Purview	MAC Address	90:02:a9:77:6	58:2b		
▶ Info Search	SSH	Turn on	Turn off		
▶ Logout		Default	Refresh O	ĸ	

#### Figure 3-5

- Step 2 Enter the planned "IP Address", "Subnet Mask" and "Default Gateway", and click "OK". After modification is completed, VTO reboots automatically, while the following two cases occur at WEB interface.
  - If PC is in the planned network segment, WEB interface jumps to new IP login interface automatically.
  - If PC is not in the planned network segment, the webpage cannot be displayed. Please enter a new IP address in the browser.

### 3.1.1.3 LAN Config

Configure server type and number.

- Step 1 Log in WEB interface again.
- Step 2 Select "System Config> LAN Config".

The system displays "LAN Config" interface, as shown in Figure 3-6.

🔻 System Config	LAN Config Up	Town Config		
> Local Config	- Building No.	0		
> LAN Config				
<ul> <li>Device Manager</li> </ul>	Building Unit No.	0		
<ul> <li>Network Config</li> </ul>	No.	8001		
<ul> <li>Video Set</li> </ul>				
> User Manager	Support Building	O Turn on	Turn off	
> IP Purview	Support Unit	Turn on	Turn off	
<ul> <li>IPC Information</li> </ul>		0.7	0	
> Publish Information	Support Group	<ul> <li>Turn on</li> </ul>	Turn off	
> UPnP Config	Server Type	VTNC	•	
▶ Info Search				
▶ Status Statistics		Warning:The dev	ice needs reboo	t after modifing the config above.
▶ Logout				
		Default	Refresh	ОК
-				

Figure 3-6

 This VTO or other VTO works as SIP server Select "Server Type" to be "VTO", and click "OK" to save configurations. Note Note

To support group call, tick "Enable". After enabling group call, the device will reboot and put it into effect.

- Platform (VTSS5000) works as SIP server Select "Server Type" to be "VTSS5000", and click "OK" to save configurations.
   Note
  - To set "Building No." and "Building Unit No.", please turn on "Support Building" and "Support Unit" functions.
  - To "Support Group Call", please turn on "Support Group Call" function. The device will reboot and put it into effect.

### 3.1.1.4 SIP Server Config

Configure SIP server info.

Select "System Config> Network Config> SIP Server Config". The system displays "SIP Server Config" interface, as shown in Figure 3-7.

	T00/0				
🔻 System Config	TCP/IP F	TP Config SIP Serve	er Config Port Config	DDNS Config	HTTPS Setting
Local Config					
> LAN Config	IP Address	192.168.1.111			
> Device Manager	Port	5060	(1~65535)		
Network Config	Username	8001			
<ul> <li>Video Set</li> </ul>	Password				
> User Manager					
> IP Purview	SIP Realm	VDP			
> IPC Information	Username of SipServer	admin			
> Publish Information	Password of SipServer	•••••			
<ul> <li>UPnP Config</li> </ul>		Sip Server Enable			
Info Search					
▶ Status Statistics		Warning:The device needs rebo	ot after modifing the SIP server enable.		
▶ Logout		Default Refresh	ок		

Figure 3-7

• This VTO works as SIP server

Tick "Sip Server Enable" and click "OK" to save the configuration. VTO reboots automatically, and WEB interface jumps to login interface.

• Other VTO or platform works as SIP server

Configure the parameters and refer to Table 3-1 for details. Click "OK" to save the configuration. VTO reboots automatically, and WEB interface jumps to login interface.

Parameter	Description					
	• When VTO works as SIP server, this is IP address of					
IP Address	the VTO.					
IF Address	• When the platform works as SIP server, this is IP					
	address of the platform.					
Dort	• When VTO works as SIP server, default value is 5060.					
Port	• When the platform works as SIP server, port is 5080.					
Username	Use the default values.					
Password						

Parameter	Description			
	• When VTO works as SIP server, SIP realm shall be			
SIP Realm	VDP.			
SIF INEAIIT	• When the platform works as SIP server, SIP realm can			
	be null, or remain default value.			
Username of				
Sip Server	Lisemans and password to leavin CID service			
Password of	Username and password to log in SIP server.			
Sip Server				

Table 3-1

Note Note

- If the platform or other VTO works as SIP server, VTO debugging configuration has been completed.
- If this VTO works as SIP server, "Device Manager" will appear in the left parameter tab.
   VTO and VTH shall be added. For details, please refer to "Add VTO" and "3.1.1.6 Add VTH".

### 3.1.1.5 Add VTO

Add all VTO info.



VTO shall be added only when this VTO works as SIP server.

- Step 1 Log in WEB interface again.
- Step 2 Select "System Config> Device Manager>Outdoor Station Manager". The system displays "Outdoor Station Manager" interface, as shown in Figure 3-8.

👻 System Config	OutDoor Station Manager	8001-Indoor Stati	on Manager Config M	lanager			
> Local Config			-				
> LAN Config	Check	No.	Building No.	Building Unit No.	IP Address	Modify	Delete
> Device Manager		8001			172.26.7.109	2	•
> Network Config	Add Clear					₩ ◀ 1/1 ►	🔰 Go to 📄 📦
> Video Set							
> User Manager							
> IP Purview							
> IPC Information							
> Publish Information							
> UPnP Config							
Info Search							
Status Statistics							
▶ Logout							

Figure 3-8



The system displays "Add" interface, as shown in Figure 3-9.

Add		×
No.		
Register Password	•••••	
Building No.		
Building Unit No.		
IP Address	127.0.0.1	
Username		
Password		
	OK Cancel	

### Figure 3-9

Step 4 Configure VTO parameters. Please refer to Table 3-2.

Parameter	Description		
No.	VTO number.		
Register Password	It is used during signaling interaction of SIP system. Use the default value.		
IP Address	IP address of VTO.		
Username	Licername and password to login WER interface of this VTO		
Password	Username and password to login WEB interface of this VTO.		

#### Table 3-2

Step 5 Click "OK" to complete adding.

According to above operation, add info about VTO in the network in sequence.

### 3.1.1.6 Add VTH

Add all VTH info.



- 1. VTH shall be added only when this VTO works as SIP server.
- 2. When there are main VTH and extension VTH, both shall be added.
- Step 1 Select "System Config> Device Manager>8001-Indoor Station Manager".
   The system displays "8001-Indoor Station Manager" interface, as shown in Figure 3-10.

👻 System Config	OutDoor Station M	lanager	8001-Indoor Statior	n Manager	Config Manager				
> Local Config				-					
LAN Config	FamilyName	FirstNam	ie Nick Name	VTH Position	Room Number	Register Type	Card No. Info	Modify	Delete
> Device Manager			Nick	#	9901	public		2	•
> Network Config	Add	Clear							🛤 🛋 1 / 1 🕨 🍽 Go to 🔛 📦
> Video Set									
> User Manager									
> IP Purview									
> IPC Information									
> Publish Information									
> UPnP Config									
▶ Info Search									
▶ Status Statistics									
▶ Logout									

Figure 3-10

### Step 2 Click "Add".

The system displays "Add" interface, as shown in Figure 3-11.

Add	×
FamilyName	
FirstName	
Nick Name	
VTH Short No.	
Register Password	•••••
Register Type	public 💌
	OK Cancel

Figure 3-11

Step 3 Configure VTH parameters. Please refer to Table 3-3.

Parameter	Description		
Family Name	Configure VTH upprname and nick name just to distinguish		
First Name	Configure VTH username and nick name, just to distinguish		
Nick Name	them.		
	Configure VTH room number.		
	D Note		
VTH Short No.	VTH short no. is consistent with room no. on VTH device.		
	Sub-VTH is represented with "-". For example, main VTH is		
	9901, sub-VTH is 9901-1, 9901-2 and so on.		
Register Password	It is used during signaling interaction of SIP system. Use the		
Register Type	default value.		

Table 3-3

Step 4 Click "OK" to complete adding.

According to above operation, add info about VTH in the network in sequence.

### 3.1.2 VTH Debugging

VTH shall be debugged with VDPconfig tool.

Note Note

# Please ensure that default IP addresses of PC and VTH are in the same network segment. Default IP address of VTO is 192.168.1.110.

Step 1 Search the device.

The system displays "Setting" interface, as shown in Figure 3-12.

Setting			×
	Current Segment Search		Other Segment Search
Start IP	192 . 168 . 1 . 1	End IP	192 . 168 . 1 . 255
Username	admin	Password	••••
			ОК

Figure 3-12

- 2. Select the search mode according to actual conditions.
  - Current segment search: tick "Current Segment Search", set "Username" and "Password", so the system searches devices in current segment. Default setting is "Current Segment Search".
  - Other segment search: tick "Other Segment Search", set "Start IP", "End IP", "Username" and "Password", so the system searches devices in the set segment.

Note Note

- By ticking "Current Segment Search" and "Other Segment Search" at the same time, the system searches devices in current segment and the set segment at the same time.
- "Username" and "Password" refer to the username and password to log in the device when modifying IP, configuring system parameter info and upgrading the device.
- Click "OK" to search the device.
   On completion, the system displays the found devices, as shown in Figure 3-13.

ļ	2	Devi	ces <mark>f</mark> ound		$\odot$	Search setting				<b>₹ -</b> ×
IP)	Ali Shg		/ТН 📃 /ТТ 📃	VTO	VTS VTNC	Uninitialized	IPV4 -			<u>,</u>
	NO.	Status	Туре	Model		IP	MAC	Version	Opera	te
*	1	Uninitialized	VTH	VTH220	1D	192.168.1.109	90:02:18:12:78:ca	1.000.0000.0.R	$\bigcirc$	
	2	Initialized	VTH	VTH220	1D	172.26.6.49	90:02:18:76:79:ca	1.000.0000.0.R	0	0
Ĵ										
	nitialize		Modify IP	* 0 dev	vices selecte		📥 Import	ف Export 🛛 🕂	Add	Delete

Figure 3-13

Step 2 Device initialization.

- 1. Select devices that have not been initialized.
- 2. Click **i** Initialize

The system displays "Device Initialization" interface, as shown in Figure 3-14.

	Device initialization ×							
	1 unit(s) of device have not been initialized							
	✓	NO.	Туре	Model	IP	MAC	Version	
		1	VTH	VTH2201D	192.168.1.109	90:02:18:12:78:ca	1.000.0000.0.R	
3	*The list only shows device in the LAN, you cannot initialize crossing LAN. Initialize							

Figure 3-14

3. Select the device that shall be initialized, and click "Initialize".

The system displays "Device Initialization" interface, as shown in Figure 3-15.

Device initialization		×					
1 unit(s) of device have not been initialized							
Username	admin						
New Password		]					
	Weak Medium Strong	·					
Confirm Password		)					
	Please input 6 bytes from numbers.						
Email Address		(for password reset)					
*After you have set new p	password, please set password again	n in Search Setup.					
		Initialize					

Figure 3-15

4. Configure device initialization parameters. Please refer to Table 3-4 for details.

Parameter	Description	
Username	Default username is admin.	
New Password	Enter new password of the device, which consists of 6 numbers.	
Confirm Password	Confirm the new password.	
Email Address	It is ticked by default. This Email address will be used to reset the password.	

Table 3-4

5. Click "Initialize".

The system displays "Auto-check" interface, as shown in Figure 3-16.



Auto-check for updates

Notify automatically when updates available. The system checks for updates every day.

Online Upgrade is a service that provides you with firmware updates by cloud. This service will collect device information in order to inform you about available firmware updates. Such information may include your device name, firmware version and device identification numbers. Such information is processed for the sole purpose of informing you about firmware updates.

#### Figure 3-16

6. Use the default settings; click "OK" to start initialization.

On completion, the system displays Figure 3-17.

 $\checkmark$  will be displayed if initialization succeeded and  $\triangle$  will be displayed if initialization failed. Click the icon to view details.

nitializa	tion				
		1 unit(s	) of device have b	een activated!	
NO.	Туре	Model	IP	MAC	Version
1	VTH	VTH2201D	192.168.1.109	90:02:18:12:78:ca	1.000.0000.0.R
					Complet

#### Figure 3-17

7. Click "Complete" to complete device initialization.

On completion, device status on the main interface has turned into "Initialized". Device info will be displayed at other interfaces of the tool.

×

OK

### Step 3 Configure SIP server.

1. Click "S > Config".

The system displays "Config" interface, as shown in Figure 3-18.

Ţ	2 Devices found Search setting						<b>₹</b> - ×
	Q	Timing	Reboot/Restore	Config	Modify Passwo	rd Reset Password	
$(\mathbb{R})$	▼ ■ VTH ■ 172.26.6.49	You have sele	cted 1 unit(s) of de	evices			
	192.168.1.109	VT0					
×		System Type	VT	▼	Center Number		
Ť		SupportGroupCall			As SipServer		
		MGT address			Server Use Name		
		Server IP			Server Password		
		Server Port			Sip Realm		
Шŀ¥		Register PSWD				Save	
		VTH					
		System Type	SIP	▼	Register PSWD 1	23456	
		VTO Password	••••		Sip Realm V	'DP	
		Server IP	192.168.1.190		Server Use Name	dmin	
		Server Port	5060		Server Password	dmin	Save



- 2. In the organization tree in the left, select IP of the device to be configured.
- 3. Configure SIP server parameters in the right VTH. Please refer to Table 3-5 for details.

Parameter	Description				
System Type	Select "SIP".				
	Default password is 123456. It shall be consistent with				
Register PSWD	register password set when adding the device on SIP				
	server.				
VTO Password	Password to log in VTO WEB interface.				
	• When VTO works as SIP server, realm name shall be				
Sip Realm	VDP.				
	• When the platform works as SIP server, realm name				
	can be null, or keep default value.				
Server IP	IP address of SIP server.				
Port	• When VTO works as SIP server, port is 5060.				
FUIL	• When the platform works as SIP server, port is 5080.				
Table 3-5					

4. Click "Save" to save configurations.

Step 4 Import corresponding relation info of VTO and VTH.

1. Click

The system displays "Project Configuration" interface, as shown in Figure 3-19.

Ţ	Project Config	-		
$(\mathbb{P})$				
×				
	Import			

Figure 3-19

2. Click "Import" to select files.

File template in the installation directory is named Project1. Please obtain it in advance, add VTO and VTH info according to template format requirements.

IP address, gateway and subnet mask in the template shall be filled according to network planning. After importing and matching successfully, the system will modify IP address of the device according to the filled content.

3. In Project1 organization tree, select the device and click "Match".

If  $\checkmark$  appears after device IP, it means that matching has succeeded, as shown in Figure 3-20.

If A appears after device IP, it means that matching has failed. Please click

to look for reasons.

Ţ	Project Config	<b>₹</b> - ×
	<ul> <li>♥ Project1</li> <li>♥ Building 1</li> <li>♥ Unt 1</li> <li>♥ VTO</li> <li>♥ 192.168.1.109 ✓</li> <li>♥ VTH</li> <li>♥ 192.168.1.101 ✓</li> </ul>	
	Import Match	

Figure 3-20

### 3.2 Debugging Verification

Please refer to "4.1 Function of Talk with Management Center", "4.2 Function of Talk with VTO" and "4.3 Unlock Function"; verify whether VTH debugging has succeeded.

# Functional Operation

### $4.1 \ {\rm Function} \ {\rm of} \ {\rm Talk} \ {\rm with} \ {\rm Management} \ {\rm Center}$

### 4.1.1 Call Management Center

Press SOS key on the front panel in any status, and the VTH switches to call Management Center at once.

If calls get through, VTH sends out beep sound, which is ringback tone.

In case of failure, press SOS key on the front panel to finish calling.

### 4.1.2 Call from Management Center

When Management Center calls VTH, VTH rings. Press "Call Key" on the front panel to pick up the call and talk with each other. Press "Call Key" again to hang up.

### 4.2 Function of Talk with VTO

When VTO calls VTH, VTH rings. Press "Call Key" on the front panel to pick up the call and talk with each other. Press "Call Key" again to hang up.

### 4.3 Unlock Function

During talk with VTO, press "Unlock key" on the front panel, to realize remote unlock function of VTO.

### 4.4 DND Function

After DND function is enabled, VTO cannot call VTH.

### 4.4.1 Enable DND

In standby status, press subtraction sign. When main VTH volume is reduced to 0, the device enters DND status, while the indicator light is normally on.

### 4.4.2 Disenable DND

In standby status, press plus sign to increase volume and remove DND manually. In standby status, if main VTH volume is not 0, the device exits DND status, and the indicator light turns off.

### 4.5 Arm and Disarm

### 4.5.1 Arm

In disarm status, press "Plus Sign+ Call Key" to arm. The indicator light flashes and the device beeps continuously.

### 4.5.2 Disarm

In arm status, press "Plus Sign+ Call Key" to disarm. The indicator light turns off and the device beeps twice.

### 4.6 Alarm Prompt and Uploading Function

The device is able to connect 4 zones at most; the 1<sup>st</sup> one to the 4<sup>th</sup> one is SOS button, gas, smoke detector and IR light. In case that any one of 4 zones triggers alarm in arm status, the device will send out alarm ring, and upload the alarm info to Management Center. Meanwhile, the linked alarm output device will output alarm prompts.

D Note

Alarm ring lasts for 15s at most, and the volume is not adjustable.

- Q: Fail to call VTH. How to deal with it?
- A: Please check whether network cable is inserted well; confirm whether corresponding unit VTO works normally.
- Q: VTH doesn't ring when VTO calls. How to deal with it?
- A: Please check whether DND function has been enabled.
- Q: How to deal with problems that are not confirmed or cannot solved?
- A: Please consult professional technical support.

FAQ

# Appendix 1 Technical Parameter

Parameter		Description			
Audio	Input	1 microphone input.			
Audio	Output	1 speaker output.			
Mechanical Key		5 mechanical keys: SOS, plus sign, call, subtractior			
Mechanicark	еу	sign and unlock.			
Alarm	Alarm Input	4 channels.			
Alann	Alarm Output	1 channel.			
Installation		Installation with bracket.			
	Power Supply	DC 12V.			
Creation	Power Consumption	1W in standby status and at most 4W.			
Specification	Device Dimension	192 mm×125 mm×15mm.			
	Working Environment	-10℃~+55℃.			

# **Packing List**

The following devices and documents are included in the packaging box. Please check earnestly when opening the box and keep them properly.

Name	Quantity	Note
□ Main Device	1 unit	
Quick Start Guide	1 guide	
Installation Screw	1 bag	
□ Flexible Flat Cable	2 cables	
□ Bracket	1 bracket	