

PA2 SIP Video Intercom & Paging Gateway User Manual V2.0





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V1.0	2.1.1.2924	Initial issue	20170804
V.2.0	2.1.1.2924	Increase the interface parameters, modify the company	20171027
		address, increase the QIG IP scanning tool download	
		address	



Safety Notices

- Please use the specified power adapter. If you need to use the power adapter provided by other manufacturers under special circumstances, please make sure that the voltage and current provided is in accordance with the requirements of this product, meanwhile, please use the safety certificated products, otherwise may cause fire or get an electric shock.
- 2. When using this product, please do not damage the power cord either by forcefully twist it, stretch pull, banding or put it under heavy pressure or between items, otherwise it may cause damage to the power cord, lead to fire or get an electric shock.
- 3. Before using, please confirm that the temperature and environment is humidity suitable for the product to work. (Move the product from air conditioning room to natural temperature, which may cause this product surface or internal components produce condense water vapor, please open power use it after waiting for this product is natural drying).
- 4. Please do not let non-technical staff to remove or repair. Improper repair may cause electric shock, fire, malfunction, etc. It would lead to injury accident or cause damage to your product.
- 5. Do not use fingers, pins, wire, other metal objects or foreign body into the vents and gaps. It may cause current through the metal or foreign body, which may even cause electric shock or injury accident. If any foreign body or objection falls into the product please stop using.
- 6. Please do not discard the packing bags or store in places where children could reach, if children trap his head with it, may cause nose and mouth blocked, and even lead to suffocation.
- 7. Please use this product with normal usage and operating, in bad posture for a long time to use this product may affect your health.
- 8. Please read the above safety notices before installing or using this phone. They are crucial for the safe and reliable operation of the device.



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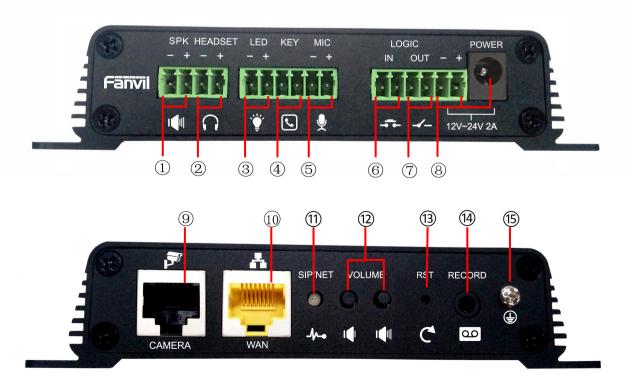
I. Product introduction

PA2 is a SIP video intercom & Paging device for industry application. The media stream transmission adopts standard IP/RTP/RTSP protocol. It inherits the advantages of the stability and the sound quality of FANVIL VOIP Phone. It is perfectly compatible with all the current SIP IPPBX /IMS platforms, such as Asterisk, Broadsoft, 3CX, Elastix, etc. It has various functions and interfaces, Such as Intercom, broadcast, video , security, recording, to adapt different application environment, you can very easy to DIY your video intercom & paging equipment. PA2 is the best choice for everyone.

1. Appearance of the product



2. Description





Label	Description	Label	Description	Label	Description
1	Speaker interface	2	Headset interface	3	LED interface
4	Function key interface	5	Microphone interface	6	Switch input interface
\bigcirc	Switch output interface	8	Power input interface	9	Camera interface
10	Ethernet interface	(1)	Registration/Network LED	(12)	Volume control key
(13)	Restore factory key	(14)	Recording output interface	(15)	Grounding screw

II. Start Using

Before you start to use the equipment, please make the following installation.

1. Confirm the connection

Confirm whether the equipment of the power cord, network cable and the boot-up is normal. (Check the network state of light





Label	Explanation
	according to the device input voltage adaptive output maximum power; 4 Ω
① Speaker interface	speaker, POE / 10W, 12V / 10W, 18V / 20W, 24V / 30W. The greater the horn
	impedance, the smaller the output power. Suggested wire diameter: 18AWG or larger
	diameter.
(2) Headset interface	Speaker audio line signal output impedance 32 Ohm, single ended output voltage 1.2V,
	used for external headphones or active speakers
③ LED interface	Output 5V voltage 5 mA current, can be an external LED, indicating the network status,
	call status, registration status.
④ Function key interface	connection switch, you can log on page set the call number or IP address.
	Recommend the use of 2.2K Ohm impedance electret condenser microphone,
5 Microphone interface	sensitivity: -38dB, bias voltage 2.2V. Microphone signal cable it is recommended to use
	a shielded cable and do not connect the shield cable to the grounding screw, improve
	anti-interference.
6 Switch input interface	Connect an infrared probe or emergency switch or Doorsensor and other switch
Switch input interface	components.
⑦ Switch output	corresponding to the short-circuit input interface, login device security page settings,
interface	you can control the alarm light, electric locks and other equipment; with the adjacent
Interface	(8) power port connection for external equipment power supply.
8 Power input interface	12V \sim 24V 2A input, according to the input voltage to determine the maximum output
	power amplifier.
(9) Camera interface	standard RJ45 interface, connect the original camera, the proposed use of five or five
9 Camera interiace	sub-network cable
	WAN port, standard RJ45 interface, 10 / 100M adaptive, support POE input, it is
(10) Ethernet interface	recommended to use five or super five network cable.
11 Desistantion (Notwork	indicates network status, call status, registration status. Fast flashing: network anomaly
1 Registration/Network	or SIP account exception. Slow flashing: during a call. Always bright: successful
LED	registration.
	standby to adjust the volume of the ringtone, call only adjust the call volume,
12) Volume control key	broadcast only adjust the broadcast volume. Long press the volume down key to
volume control key	broadcast the IP address. Long press the volume plus key to switch the IP address
	acquisition mode (specific operation see below search door phone).
Destans factors lass	press and hold for 3 seconds to flash the device to restart and restore the factory
(13) Restore factory key	settings.
(14) Recording output	the local microphone voice and call voice mixed output, suitable for computer and
interface	other equipment recording.



	external parts metal housing needs to be connected to this interface to prevent static
(15) Grounding screw	electricity and other interference caused the equipment to work abnormally. (Except
	micronhone accessories)

2. Quick Setting

The product provides a complete function and parameter setting. Users may need to have the network and SIP protocol knowledge to understand the meaning all parameters represent. In order to let equipment users enjoy the high quality of voice service and low cost advantage brought by the device immediately, here we list some basic but necessary setting options in this section to let users know how to operate device without understanding such complex SIP protocols.

In prior to this step, please make sure your broadband Internet can be normally operated, and you must complete the connection of the network hardware. The product factory default network mode is static IP address 192.168.1.128.

- Press and hold volume down key for 3 seconds; the door phone would report the IP address by voice. Or you can also use the "iDoorPhoneNetworkScanner.exe" software to find the IP address of the device.(download address <u>http://download.fanvil.com/tool/iDoorPhoneNetworkScanner.exe</u>)
- Long press the volume plus key for 10 seconds, the speaker issued a rapid beep, and then quickly press the three volume plus the key, beep stopped. Wait 10 seconds, Successfully switch to dynamic IP after the system automatically voice broadcast IP address. Switching again will become a fixed IP address.
- Note: when the device is powered on, 30s waiting is needed for device running.
- Log on to the WEB device configuration.
- In a line configuration page, service account, user name, server address and other parameters are required for server address registration.

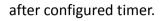
255	Serial Number	MAC Address	SW Version	Description	
1.128	PA2	00:a8:34:68:23:a3	2.1.1.2834	PA2	
		A SCORE AND A SCOR			

III. Basic operation

1. Answer a call

When a call comes in, the device would answer automatically. If you cancel auto answer feature and set auto answer time, you would hear the ring at the set time and the device would auto answer www.internetvoipphone.co.uk | sales@internetvoipphone.co.uk | 0333 014 4343





2. Call

Configure Function key as hot key and then set up a number; after that you might press the Function key for making call to the configured extension(s).

3. End call

Enable Release (You can set Function key to Release) key for hanging up feature to end call.

4. Security linkage

- switch input interface received a door or emergency button and other sensor signals, the output port connected to the alarm lights or electric locks and other equipment will automatically respond to the server and send alarm information.
- The output port defaults to the call automatically triggers the response and supports call triggering with DTMF number triggering and short message triggering.

5. Video linkage

- Use other manufacturers camera please connect to the switch, the device (9) interface can only connect the original camera.
- Landing page configuration camera user name, password, port number and other information. For more information, please refer to the <u>Video</u> settings

IV.Page settings

1. Browser configuration

When the device and your computer are successfully connected to the network, you might enter the IP address of the device in the browser as http://xxx.xxx.xxx/ and you can see the login interface of the web page management.

Enter the user **admin** and password **admin** and click the Logon button to enter the settings screen.



User: Password: Language: English	
Logon	

2. Password Configuration

There are two levels of access: root level and general level. A user with root level can browse and set all configuration parameters, while a user with general level can set all configuration parameters except server parameters for SIP.

- General level: It is not be set by default, you can add the feature when you need
- User uses root level by default:
 - User name: admin
 - Password: admin

3. Configuration via WEB

(1) System

a) Information

> System		
Part and a second	System Information	
Network	Model:	PA2
1.4.5	Hardware:	2.1
Line	Software:	2.1.1.2924
	Uptime:	00:47:29
Intercom settings	Last uptime:	00:00:00
Terra and and	MEMInfo:	ROM: 0.8/8(M) RAM: 2.2/16(M)
Security settings	System Time:	2017-8-10 17:16
Function Key	Network	
	Network mode:	DHCP
	MAC:	0c:38:3e:1f:bd:40
	IP:	172.18.12.37
	Subnet mask:	255.255.0.0
	Default gateway:	172.18.1.1
	SIP Accounts	
	Line 1	5529 Registered



Information				
Field Name	Explanation			
System	Display equipment model, hardware version, software version, uptime, last uptime			
Information	MEMInfo and system time.			
Network	Shows the configuration information of WAN port, including connection mode of WAN			
Network	port (Static, DHCP, PPPoE), MAC address, IP address of WAN port.			
SIP Accounts	Shows the phone numbers and registration status of the 2 SIP LINES.			

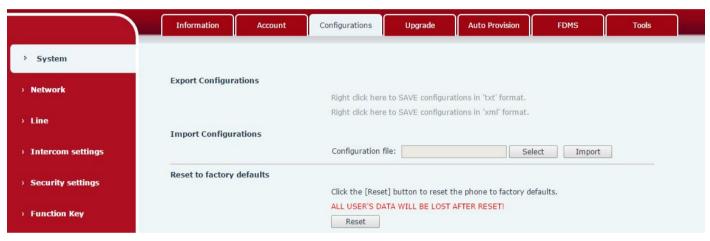
b) Account

Through this page, administrator can add or remove user accounts depend on their needs, or modify existed user accounts permission.

	Information	Account	Configurations	Upgrade	Auto Provision	FDMS	Tools	
> System								
> Network	Change Web Aut Old Password:		word					
› Line	New Password Confirm Passv			*1				
› Intercom settings								
 Security settings 	Add New User Username Username Web Authentication Password							
› Function Key	Confirm Password Privilege Administrators Add							
	User Accounts							
	User		Privile			Delete		
	admi	0	Administ	ators		Delete		,
Account								
Field Name Ex	planation							
Change Web Auther	ntication Passw	vord						
You can modify the l	ogin password	of the acco	ount					
Add New User								
You can add new use	er							
User Accounts								
Show the existed use	er accounts' inf	ormation						



c) Configurations



Configurations					
Field Name	Explanation				
Export	Save the equipment configuration to a txt or xml file. Please right click on the				
Configurations	choice and then choose "Save Link As."				
Import	Find the config file, and proce Undete to load it to the equipment				
Configurations	Find the config file, and press Update to load it to the equipment.				
Reset to factory	PA2 would restore to factory default configuration and remove all configuration				
defaults	information.				

d) Upgrade

	Information	Account Configurations	Upgrade	Auto Provision	FDMS	Tools
> System						
> Network	Software upgrade	Current Software Version:	2.1.1.2924			
> Line		System Image File		Select	Upgrade	

Upgrade

Field Nameww.intexplanationhone.co.uk | sales@internetvoipphone.co.uk | 0333 014 4343



Software upgrade

Find the firmware, and press Update to load it to the equipment.

e) Auto Provision

	Information Account Co	onfigurations	Upgrade	Auto Provision	FDMS	Tools
> System						
> Network	Common Settings Current Configuration Version					
> Line	General Configuration Version CPE Serial Number	00100400FV020	01000000a823	6a6d76		
› Intercom settings	Authentication Name Authentication Password					
> Security settings	Configuration File Encryption Key General Configuration File Encryption Key					
› Function Key	Save Auto Provision Information DHCP Option >>					
	SIP Plug and Play (PnP) >>					
	Static Provisioning Server >>					
	TR069 >>	Apply				

Auto Provision	
Field Name	Explanation
Common Settings	
Current Configuration Version	Show the current config file's version. If the config file to be downloaded is higher than current version, the configuration would be upgraded. If the endpoints confirm the configuration by the Digest method, the configuration would not be upgraded unless it differs from the current configuration Show the common config file's version. If the configuration to be downloaded and
General Configuration Version	this configuration is the same, the auto provision would stop. If the endpoints confirm the configuration by the Digest method, the configuration would not be upgraded unless it differs from the current configuration.
CPE Serial Number Authentication	Serial number of the equipment Username for configuration server. It is used for FTP/HTTP/HTTPS. If this is blank,
Name Authentication. WWW.interne	the phone would use anonymous access Password for configuration server. It is used for FTP/HTTP/HTTPS, etvoipphone.co.uk sales@internetvoipphone.co.uk 0333 014 4343



Password	
Configuration File	
Encryption Key	Encryption key for the configuration file
General	
Configuration File	Encryption key for common configuration file
Encryption Key	
Save Auto Provision	Save the auto provision username and password in the phone until the server url
Information	changed
DHCP Option	
Ontion Value	The equipment supports configuration from Option 43, Option 66, or a Custom
Option Value	DHCP option. It may also be disabled.
Custom Option	Custom ontion number. It must be from 128 to 254
Value	Custom option number. It must be from 128 to 254.
SIP Plug and Play (Pn	Р)
	If it is enabled, the equipment would send SIP SUBSCRIBE messages to the server
Enable SIP PnP	address when it boots up. Any SIP server compatible with that message would
	reply with a SIP NOTIFY message containing the Auto Provisioning Server URL
	where the phones can request their configuration.
Server Address	PnP Server Address
Server Port	PnP Server Port
Transportation	PnP Transfer protocol – UDP or TCP
Protocol	
Update Interval	Interval time for querying PnP server. Default is 1 hour.
Static Provisioning Se	erver
Server Address	Set FTP/TFTP/HTTP server IP address for auto update. The address can be an IP
Server Address	address or domain name with subdirectory.
Configuration File	Specify configuration file name. The equipment would use its MAC ID as the
Name	config file name if this is blank.
Protocol Type	Specify the Protocol type FTP, TFTP or HTTP.
Update Interval	Specify the update interval time. Default is 1 hour.
	1. Disable – not to update
Update Mode	2. Update after reboot – update only after reboot.
	3. Update at time period – update at periodic update period
TR069	
Enable TR069	Enable/Disable TR069 configuration
ACS Server Type	Select Common or CTC ACS Server Type.
ACS Server URL	ACS Server URL etVoipphone.co.uk sales@internetvoipphone.co.uk 0333 014 4343



ACS User	User name of ACS.
ACS Password	ACS Password.
TR069 Auto Login	Enable/Disable TR069 Auto Login.
INFORM Sending	Time between transmissions of "Inform", the writin second
Period	Time between transmissions of "Inform"; the unit is second.

f) FDMS

	Information Account	Configurations	Upgrade	Auto Provision	FDMS	Tools
> System						
> Network	FDMS Settings Enable FDMS					
› Line	FDMS Interval	3600				
› Intercom settings	Doorphone Info Settings Community Name					
 Security settings 	Building Number Room Number					
› Function Key		Apply				

FDMS Settings		
Enable FDMS	Enable/Disable FDMS configuration	
EDMS Interval	The time to send sip Subscribe information to the FDMS server on a regular basis.	
FDMS Interval	Unit seconds	
Doorphone Info Setti	ngs	
Community Name	The name of the community where the device is installed	
Building Number	The name of the building where the equipment is installed	
Room Number	The name of the room where the equipment is installed	

g) Tools



	Information Ad	ccount Configurations	Upgrade	Auto Provision	FDMS	Tools
> System						
Network	Syslog					
Retwork	Enable Syslog					
	Server Address	0.0.0				
› Line	Server Port	514				
	APP Log Level	None	•			
Intercom settings	SIP Log Level	None	•			
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		Apply				
> Security settings	Network Packets Captu	ire				
› Function Key		Start				
	Reboot Phone					
		Click [Reboot]	button to restart th	e phone!		
		Reboot				

Syslog is a protocol used to record log messages using a client/server mechanism. The Syslog server receives the messages from clients, and classifies them based on priority and type. Then these messages would be written into a log by rules which the administrator has configured.

There are 8 levels of debug information.

Level 0: emergency; System is unusable. This is the highest debug info level.

Level 1: alert; Action must be taken immediately.

Level 2: critical; System is probably working incorrectly.

Level 3: error; System may not work correctly.

Level 4: warning; System may work correctly but needs attention.

Level 5: notice; It is normal but significant condition.

Level 6: Informational; It is normal daily messages.

Level 7: debug; Debug messages normally used by system designer. This level can only be displayed via telnet.

Tools			
Field Name	Explanation		
Syslog			
Enable Syslog	Enable or disable system log.		
Server Address	System log server IP address.		
Server Port	System log server port.		
APP Log Level	Set the level of APP log.		
SIP Log Level	Set the level of SIP log.		
Network Packet	s Capture		
Capture a packet stream from the equipment. This is normally used to troubleshoot problems.			
Reboot Phone www.internetvoipphone.co.uk sales@internetvoipphone.co.uk 0333 014 4343			



Some configuration modifications require a reboot to become effective. Clicking the Reboot button would lead to reboot immediately.

Note: Be sure to save the configuration before rebooting.

(2) Network

a) Basic



Field Name	Explanation	
Network Status		
IP	The current IP address of the equipment	
Subnet mask	The current Subnet Mask	
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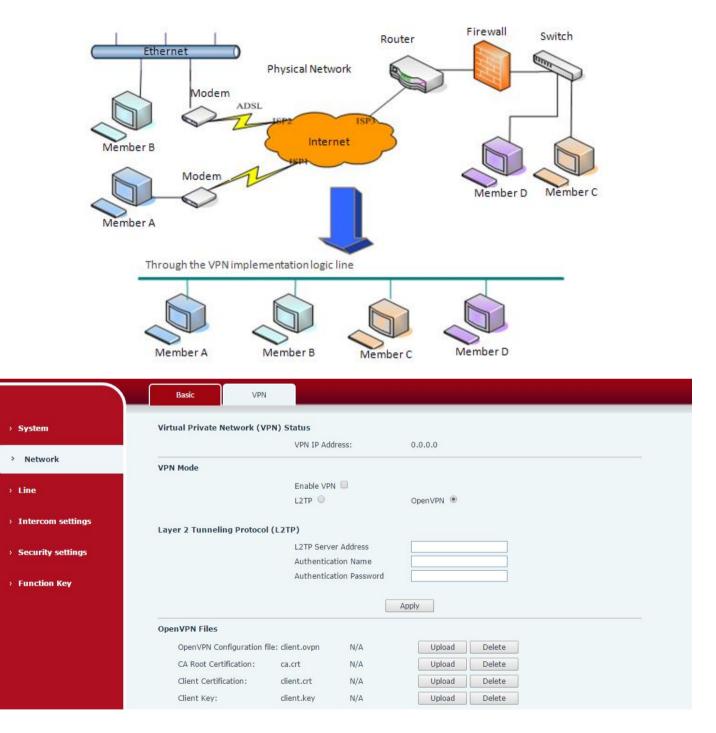
Default gateway	The current Gateway IP address		
MAC	The MAC address of the equipment		
MAC Timestamp	Get the MAC address's time.		
Settings			
Select the appropriate netwo	ork mode. The equipment supports three network modes:		
	Network parameters must be entered manually and would not change. All		
Static IP	parameters are provided by the ISP.		
DHCP	Network parameters are provided automatically by a DHCP server.		
	Account and Password must be input manually. These are provided by		
РРРоЕ	your ISP.		
If Static IP is chosen, the scre	een below would appear. Enter values provided by the ISP.		
DNS Server Configured by	Select the Configured mode of the DNS Server.		
Primary DNS Server	Enter the server address of the Primary DNS.		
Secondary DNS Server	Enter the server address of the Secondary DNS.		
After entering the new setting	ngs, click the Apply button. The equipment would save the new settings and		
apply them. If a new IP address was entered for the equipment, it must be used to login to the phone			

after clicking the **Apply** button.

b) VPN

The device supports remote connection via VPN. It supports both Layer 2 Tunneling Protocol (L2TP) and OpenVPN protocol. This allows users at remote locations on the public network to make secure connections to local networks.





Field Name	Explanation	
VPN IP Address	Shows the current VPN IP address.	
VPN Mode		
Enable VPN	Enable/Disable VPN.	
L2TP	Select Layer 2 Tunneling Protocol	
OpenVPN	Select OpenVPN Protocol. (Only one protocol may be activated. After the selection	
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	is made, the configuration should be saved and the phone be rebooted.)
Layer 2 Tunneling	g Protocol (L2TP)
L2TP Server	
Address	Set VPN L2TP Server IP address.
Authentication	
Name	Set User Name access to VPN L2TP Server.
Authentication	
Password	Set Password access to VPN L2TP Server.
Open VPN Files	
Upload or delete	Open VPN Certification Files

(3) Line

a) SIP

You can configure a SIP server on this page.

	SIP Basic Setting	l		
› System				
> Network	Line SIP 1 V Basic Settings >>			
> Line	Line Status Pnone number	Registered	SIP Proxy Server Address SIP Proxy Server Port	172.18.1.88
› Intercom settings	Display name Authentication Name	5521	Backup Proxy Server Address Backup Proxy Server Port	5060
 Security settings 	Authentication Password Activate	•••••	Outbound proxy address Outbound proxy port	
> Function Key	Codecs Settings >>		Realm	
	Advanced Settings >>	Apply		
Codecs Settings >>				
Disabled Codecs		Enabl	ed Codecs	
		G.722 G.711 G.711 G.729		



vanced Settings >>			
Subscribe For Voice Message			
Voice Message Number			
Voice Message Subscribe Period	3600 Second(s)		
Enable DND		Ring Type	Default 🗸
Blocking Anonymous Call		Conference Type	Local 🖌
Use 182 Response for Call waiting		Server Conference Number	
Anonymous Call Standard	None 🗸	Transfer Timeout	0 Second(s
Dial Without Registered		Enable Long Contact	
Click To Talk		Enable Use Inactive Hold	
User Agent		Use Quote in Display Name	
Response Single Codec			
Use Feature Code			
Enable DND		DND Disabled	
Enable Blocking Anonymous Call		Disable Blocking Anonymous Call	
Specific Server Type		Enable DNS SRV	
Specific Server Type Registration Expiration	COMMON V	Enable DNS SRV Keen Alive Type	
Registration Expiration	3600 Second(s)	Keep Alive Type	SIP Option
Registration Expiration Use VPN	3600 Second(s)	Keep Alive Type Keep Alive Interval	
Registration Expiration Use VPN Use STUN	3600 Second(s) ✓	Keep Alive Type Keep Alive Interval Sync Clock Time	
Registration Expiration Use VPN Use STUN Convert URI	3600 Second(s)	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer	60 Second(:
Registration Expiration Use VPN Use STUN Convert URI DTMF Type	3600 Second(s)	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout	60 Second(:
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode	3600 Second(s)	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol	3600 Second(s) ✓ RFC2833 ✓ Send */# ✓ UDP ✓	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port	3600 Second(s) ✓ ✓ RFC2833 ✓ Send */# ✓ UDP ✓ 5060	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port SIP Version	3600 Second(s) ✓	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port Keep Authentication	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port SIP Version Caller ID Header	3600 Second(s) ✓ ✓ RFC2833 ✓ Send */# ✓ UDP ✓ 5060	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port Keep Authentication Auto TCP	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port SIP Version Caller ID Header Enable Strict Proxy	3600 Second(s) ✓ RFC2833 ✓ Send */# ✓ UDP ✓ 5060 RFC3261 ✓ PAI-RPID- ✓	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port Keep Authentication Auto TCP Enable Feature Sync	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port SIP Version Caller ID Header Enable Strict Proxy Enable user=phone	3600 Second(s) ✓	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port Keep Authentication Auto TCP Enable Feature Sync Enable GRUU	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port SIP Version Caller ID Header Enable Strict Proxy	3600 Second(s) ✓ RFC2833 ✓ Send */# ✓ UDP ✓ 5060 RFC3261 ✓ PAI-RPID- ✓	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port Keep Authentication Auto TCP Enable Feature Sync	60 Second(s
Registration Expiration Use VPN Use STUN Convert URI DTMF Type DTMF SIP INFO Mode Transportation Protocol Local Port SIP Version Caller ID Header Enable Strict Proxy Enable user=phone Enable SCA	3600 Second(s) ✓ RFC2833 ✓ Send */# ✓ UDP ✓ 5060 RFC3261 ✓ PAI-RPID- ✓	Keep Alive Type Keep Alive Interval Sync Clock Time Enable Session Timer Session Timeout Enable Rport Enable PRACK Auto Change Port Keep Authentication Auto TCP Enable Feature Sync Enable GRUU BLF Server	60 Second(s

SIP		
Field Name	Explanation	
Basic Settings (Choose th	e SIP line to configured)	
Line Status	Display the current line status at page loading. To get the up to date line status,	
Line Status user has to refresh the page manually.		
www.internetv	oipphone.co.uk sales@internetvoipphone.co.uk 0333 014 4343	



Username	Enter the username of the service account.		
Display name	Enter the display name to be sent in a call request.		
Authentication Name	Enter the authentication name of the service account		
Authentication Name Authentication Password	Enter the authentication password of the service account		
Activate	Whether the service of the line should be activated		
SIP Proxy Server Address	Enter the IP or FQDN address of the SIP proxy server		
SIP Proxy Server Port	Enter the SIP proxy server port, default is 5060		
Outbound proxy address	Enter the IP or FQDN address of outbound proxy server provided by the service provider		
Outbound proxy port	Enter the outbound proxy port, default is 5060		
Realm	Enter the SIP domain if requested by the service provider		
Codecs Settings	·		
Set the priority and availa	bility of the codecs by adding or remove them from the list.		
Advanced Settings			
Subscribe For Voice Message	Enable the device to subscribe a voice message waiting notification, if enabled, the device will receive notification from the server if there is voice message waiting on the server		
Voice Message Number	Set the number for retrieving voice message		
Voice Message Subscribe Period	Set the interval of voice message notification subscription		
Enable DND	Enable Do-not-disturb, any incoming call to this line will be rejected automatically		
Blocking Anonymous Call	Reject any incoming call without presenting caller ID		
Use 182 Response for Call waiting	Set the device to use 182 response code at call waiting response		
Anonymous Call Standard	Set the standard to be used for anonymous		
Dial Without Registered	Set call out by proxy without registration		
Click To Talk	Set Click To Talk		
User Agent	Set the user agent, the default is Model with Software Version.		
Response Single Codec	If setting enabled, the device will use single codec in response to an incoming call request		
Ring Type	Set the ring tone type for the line		
Conference Type	Set the type of call conference, Local=set up call conference by the device itself, ୦୮୦୫୦୪୦୫୯୫୯୫୯୫୯୫୯୫୯୫୯୫୫୫୯୪୭୫୫୫୫୯୪୫୫୫୫୫୫୫୫୫୫		



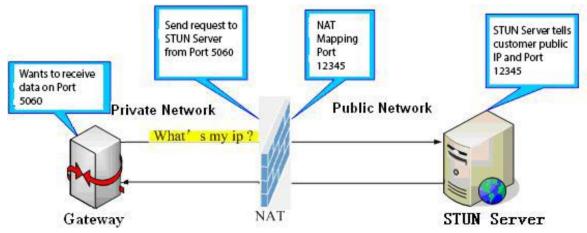
NumberSet the conference room number when conference type is set to be ServerTransfer TimeoutSet the timeout of call transfer processEnable Long ContactAllow more parameters in contact field per RFC 3840Use Quote in Display NameWhether to add quote in display nameWareWhether to add quote in display nameUse Feature CodeWhen this setting is enabled, the features in this section will not be handled by the device itself but by the server instead. In order to control the enabling of the features, the device will send feature code to the server by dialing the number specified in each feature code field.Specific Server TypeSet the line to collaborate with specific server typeRegistration ExpirationSet the SIP expiration intervalUse VPNSet the line to use STUN for NAT traversalConvert URIConvert not digit and alphabet characters to %hh hex codeDTMF TypeSet the SIP INFO mode to send "*' and "#' or '10' and '11'Transportation ProtocolSet the SIP NFO mode to send "*' and "#' or '10' and '11'Calle PortSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to use dummy UDP or SIP OPTION packet		to a conference room on the server
Enable Long ContactAllow more parameters in contact field per RFC 3840Use Quote in Display NameWhether to add quote in display nameUse Feature CodeWhen this setting is enabled, the features in this section will not be handled by the device itself but by the server instead. In order to control the enabling of the features, the device will send feature code to the server by dialing the number specified in each feature code field.Specific Server TypeSet the line to collaborate with specific server typeRegistration ExpirationSet the SIP expiration intervalUse VPNSet the line to use VPN restrict routeUse STUNSet the line to use STUN for NAT traversalConvert not digit and alphabet characters to %h hex codeDTMF TypeSet the DTMF type to be used for the lineDTMF SIP INFO ModeSet the SIP INFO mode to send '#' or '10' and '11'Transportation ProtocolSet the SIP versionCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to anable call ending by session timer refreshment. The call sessi	Server Conference Number	Set the conference room number when conference type is set to be Server
Use Quote in Display NameWhether to add quote in display nameNameWhether to add quote in display nameUse Feature CodeWhen this setting is enabled, the features in this section will not be handled by the device itself but by the server instead. In order to control the enabling of the features, the device will send feature code to the server by dialing the number 	Transfer Timeout	Set the timeout of call transfer process
NameWhether to add quote in display nameUse Feature CodeWhen this setting is enabled, the features in this section will not be handled by the device itself but by the server instead. In order to control the enabling of the features, the device will send feature code to the server by dialing the number specific Server TypeSet the line to collaborate with specific server typeRegistration ExpirationUse VPNSet the SIP expiration intervalUse VPNSet the line to use VPN restrict routeUse STUNSet the DTMF type to be used for the lineOnvert URIConvert und tigit and alphabet characters to %hh hex codeDTMF TypeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the Local PortSet the SIP NFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the Local PortSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable SCAEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout period	Enable Long Contact	Allow more parameters in contact field per RFC 3840
Use Feature Codethe device itself but by the server instead. In order to control the enabling of the features, the device will send feature code to the server by dialing the number specified in each feature code field.Specific Server TypeSet the line to collaborate with specific server typeRegistration ExpirationSet the SIP expiration intervalUse VPNSet the line to use VPN restrict routeUse VPNSet the line to use VPN restrict routeOnvert URIConvert not digit and alphabet characters to %h hex codeDTMF TypeSet the DTMF type to be used for the lineDTMF SIP INFO ModeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the Caller ID HeaderCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxySet the line to use DNS SRV which will resolve the FQDN in proxy server into a server, it will use the source IP address, not the address in via field.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSet the line to enable call ending by session timer refreshment. The call session service list	Use Quote in Display Name	Whether to add quote in display name
RegistrationSet the SIP expiration intervalUse VPNSet the line to use VPN restrict routeUse STUNSet the line to use STUN for NAT traversalConvert URIConvert not digit and alphabet characters to %hh hex codeDTMF TypeSet the DTMF type to be used for the lineDTMF SIP INFO ModeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the Local PortSIP VersionSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable SCAEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the keep alive packet transmitting intervalKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedEnable Session TimerSet the session timer timeout periodSession TimeoutSet the session timer timeout period	Use Feature Code	the device itself but by the server instead. In order to control the enabling of the features, the device will send feature code to the server by dialing the number
Use VPNSet the line to use VPN restrict routeUse VPNSet the line to use STUN for NAT traversalConvert URIConvert not digit and alphabet characters to %hh hex codeDTMF TypeSet the DTMF type to be used for the lineDTMF SIP INFO ModeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the line to use TCP or UDP for SIP transmissionLocal PortSet the Local PortSIP VersionSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSets the session timer timeout period	Specific Server Type	Set the line to collaborate with specific server type
Use STUNSet the line to use STUN for NAT traversalConvert URIConvert not digit and alphabet characters to %hh hex codeDTMF TypeSet the DTMF type to be used for the lineDTMF SIP INFO ModeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the line to use TCP or UDP for SIP transmissionLocal PortSet the Local PortSIP VersionSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable DNS SRVSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSest the line to use of the periodSet the line to use dummy upperiod	Registration Expiration	Set the SIP expiration interval
Convert URIConvert not digit and alphabet characters to %hh hex codeDTMF TypeSet the DTMF type to be used for the lineDTMF TypeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the line to use TCP or UDP for SIP transmissionLocal PortSet the Local PortSIP VersionSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer vent update received after the timeout periodSets the session timer timeout periodSet the session timer timeout period	Use VPN	Set the line to use VPN restrict route
DTMF TypeSet the DTMF type to be used for the lineDTMF TypeSet the DTMF type to be used for the lineDTMF SIP INFO ModeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the line to use TCP or UDP for SIP transmissionLocal PortSet the Local PortSIP VersionSet the SIP versionCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSession TimeoutSet the session timer timeout period	Use STUN	Set the line to use STUN for NAT traversal
DTMF SIP INFO ModeSet the SIP INFO mode to send '*' and '#' or '10' and '11'Transportation ProtocolSet the line to use TCP or UDP for SIP transmissionLocal PortSet the Local PortSIP VersionSet the SIP versionCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSest the session timer timeout periodSet the session timer timeout period	Convert URI	Convert not digit and alphabet characters to %hh hex code
Transportation ProtocolSet the line to use TCP or UDP for SIP transmissionLocal PortSet the Local PortSIP VersionSet the SIP versionCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSest the session timer timeout periodSet the session timer timeout period	DTMF Type	Set the DTMF type to be used for the line
Local PortSet the Local PortSIP VersionSet the SIP versionCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listEnable DNS SRVSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive TypeSet the keep alive packet transmitting intervalEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSet the session timer timeout periodSet the session timer timeout period	DTMF SIP INFO Mode	Set the SIP INFO mode to send '*' and '#' or '10' and '11'
SIP VersionSet the SIP versionCaller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSession TimeoutSet the session timer timeout period	Transportation Protocol	Set the line to use TCP or UDP for SIP transmission
Caller ID HeaderSet the Caller ID HeaderEnable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session timeout periodSession TimeoutSet the session timer timeout period	Local Port	Set the Local Port
Enable Strict ProxyEnables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session timeout periodSession TimeoutSet the session timer timeout period	SIP Version	Set the SIP version
Enable Strict Proxyserver, it will use the source IP address, not the address in via field.Enable user=phoneSets user=phone in SIP messages.Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session timeout periodSession TimeoutSet the session timer timeout period	Caller ID Header	Set the Caller ID Header
Enable SCAEnable/Disable SCA (Shared Call Appearance)Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalEnable Session TimerSet the line to enable call ending by session timer refreshment. The call session timeout periodSession TimeoutSet the session timer timeout period	Enable Strict Proxy	Enables the use of strict routing. When the phone receives packets from the server, it will use the source IP address, not the address in via field.
Enable BLF ListEnable/Disable BLF ListEnable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSet the session timer timeout period	Enable user=phone	Sets user=phone in SIP messages.
Enable DNS SRVSet the line to use DNS SRV which will resolve the FQDN in proxy server into a service listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSession TimeoutSet the session timer timeout period	Enable SCA	Enable/Disable SCA (Shared Call Appearance)
Enable DNS SRVservice listKeep Alive TypeSet the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting intervalSet the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the timeout periodSession TimeoutSet the session timer timeout period	Enable BLF List	Enable/Disable BLF List
Keep Alive Type opened Keep Alive Interval Set the keep alive packet transmitting interval Set the line to enable call ending by session timer refreshment. The call session Enable Session Timer will be ended if there is not new session timer event update received after the timeout period Session Timeout Set the session timer timeout period	Enable DNS SRV	Set the line to use DNS SRV which will resolve the FQDN in proxy server into a service list
Set the line to enable call ending by session timer refreshment. The call sessionEnable Session Timerwill be ended if there is not new session timer event update received after the timeout periodSession TimeoutSet the session timer timeout period	Keep Alive Type	Set the line to use dummy UDP or SIP OPTION packet to keep NAT pinhole opened
Set the line to enable call ending by session timer refreshment. The call sessionEnable Session Timerwill be ended if there is not new session timer event update received after the timeout periodSession TimeoutSet the session timer timeout period	Keep Alive Interval	Set the keep alive packet transmitting interval
	Enable Session Timer	Set the line to enable call ending by session timer refreshment. The call session will be ended if there is not new session timer event update received after the
	Session Timeout	



Set the line to support PRACK SIP message
Set the line to use DNS SRV which will resolve the FQDN in proxy server into a
service list
Enable/Disable Auto Change Port
Keep the authentication parameters from previous authentication
Using TCP protocol to guarantee usability of transport for SIP messages above
1500 bytes
Feature Sycn with server
Support Globally Routable User-Agent URI (GRUU)
The registered server will receive the subscription package from ordinary
application of BLF phone.
Please enter the BLF server, if the sever does not support subscription package,
the registered server and subscription server will be separated.
BLF List allows one BLF key to monitor the status of a group. Multiple BLF lists
are supported.
Enable SIP encryption such that SIP transmission will be encrypted
Set the pass phrase for SIP encryption
Enable RTP encryption such that RTP transmission will be encrypted
Set the pass phrase for RTP encryption

b) Basic Settings

STUN – Simple Traversal of UDP through NAT –A STUN server allows a phone in a private network to know its public IP and port as well as the type of NAT being used. The equipment can then use this information to register itself to a SIP server so that it can make and receive calls while in a private network.





	SIP Basic Settings		
System			
	SIP Settings		
Network	Local SIP Port	5060	
	Registration Failure Retry Interval	32	Second(s)
Line	Enable Strict UA Match		
- MARKET AND AND AND AND AND	Enable DHCP Option 120		
> Intercom settings		Apply	
Security settings	STUN Settings		
	STUN NAT Traversal	FALSE	
Function Key	Server Address		
	Server Port	3478	
	Binding Period	50	Second(s)
	SIP Waiting Time	800	millisecond
		Apply	
	2		
	TLS Certification File: sips.pem	N/A	Upload Delete

Basic Settings		
Field Name	Explanation	
SIP Settings		
Local SIP Port	Set the local SIP port used to send/receive SIP messages.	
Registration Failure Retry Interval	Set the retry interval of SIP REGISTRATION when registration failed.	
Enable Strict UA Match	Enable or disable Strict UA Match	
STUN Settings		
Server Address	STUN Server IP address	
Server Port	STUN Server Port – Default is 3478.	
Diadian Daried	STUN blinding period – STUN packets are sent at this interval to keep	
Binding Period the NAT mapping active.		
SIP Waiting Time	Waiting time for SIP. This will vary depending on the network.	
TLS Certification File		
Upload or delete the TLS certification	on file used for encrypted SIP transmission.	
Note: the SIP STUN is used to achie	eve the SIP penetration of NAT, is the realization of a service, when the	
equipment configuration of the STL	JN server IP and port (usually the default is 3478), and select the Use	

Stun SIP server, the use of NAT equipment to achieve penetration.

(4) Intercom settings

- a) Features www.internetvoipphone.co.uk | sales@internetvoipphone.co.uk | 0333 014 4343



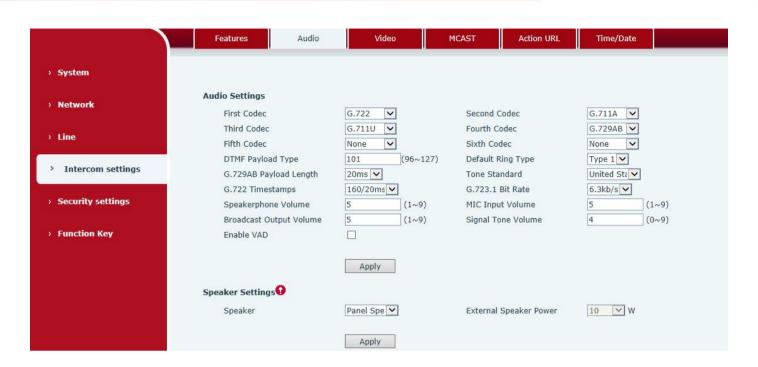
	Features Audio	Video	MCAST Action URL	Time/Date
System				
	Enable DND		Ban Outgoing	
letwork	Enable Intercom Mute		Enable Intercom Ringing	
	Enable Auto Answer	Lines and IP Call 🔻	Auto Answer Timeout	0 (0~60)Second(s)
ine	No Answer Auto Hangup		Auto Hangup Timeout	30 (1~60)Second(s)
	Voice Read IP	Enable 🔻	Voice Play Language	English 🔻
Intercom settings	Enable Delay Start		Delay Start Time	1 (1~180)Second(s)
1997) 1997	Description	PA2		
Security settings			Apply	

Features				
Field Name	Explanation			
Basic Settings				
	DND feature can refuse all incoming calls for all SIP lines, or for individual			
Enable DND	SIP line. But the outgoing calls would not be affected			
Ban Outgoing	If it is enabled, no outgoing calls can be made.			
Enable Intercom Mute	If it is enabled, device would mute incoming calls during an intercom call.			
Enable Intercom Dinging	If it is enabled, device would play intercom ring tone to alert that there is a			
Enable Intercom Ringing	new incoming call during an intercom call.			
Enable Auto Answer	Enable Auto Answer function			
Auto Answer Timeout	Set Auto Answer Timeout			
No Answer Auto Hangup	Enable automatically hang up feature添加 when there is no answer			
Auto Hongun Timoout	Configuration in a set time, the device would automatically hang up when			
Auto Hangup Timeout	there is no answer			
Voice Read IP	Enable or disable voice broadcast IP address			
Voice Play Language	Set language of the voice prompt			
Enable Delay Start	Enable or disable the start delay			
Delay Start Time	Set start delay time			
Description	Device description displayed on IP scanning tool software or FDMS.			

b) Audio

This page configures audio parameters such as voice codec, speak volume, mic volume and ringer volume.





Audio Setting		
Field Name	Explanation	
First Codec	The first codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB	
Second Codec	The second codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None	
Third Codec	The third codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None	
Fourth Codec	The forth codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None	
DTMF Payload Type	The RTP Payload type that indicates DTMF. Default is 101	
Default Ring Type	Ring sound – there are 9 standard types and 3 user types.	
G.729AB Payload	G.729AB Payload length – adjust from 10 – 60 msec.	
Length		
Tone Standard	Configure tone standard area.	
G.722 Timestamps	Choices are 160/20ms or 320/20ms.	
G.723.1 Bit Rate	Choices are 5.3kb/s or 6.3kb/s.	
Speakerphone	Set the speaker call volume level.	
Volume MIC Input Volume	Set the MIC call volume level.	
Broadcast Output Volume	Set the broadcast output volume level.	
Signal Tone Volume	Set the audio signal output volume level.	
	Enable or disable Voice Activity Detection (VAD). If VAD is enabled, G729 Payload	
Enable VAD	length cannot be set greater than 20 msec.	
Speaker Settings	etvoipphone.co.uk sales@internetvoipphone.co.uk 0333 014 4343	



	The Load speaker has two modes of selection: "panel speaker" or "external
	speaker"."Panel speaker" refers to the speaker and MIC are installed in the same
Speaker	shell, It is used for voice intercom, requires to get better two-way talking, so the
Speaker	audio output power need to be optimized, to ensure that the intercom sound
	quality;"External speakers" refers to external speakers, and the microphone and
	speakers are installed separately, and the sound of the broadcast is more louder
	The external speaker power can only be selected in the "external voice box" mode,
External Speaker	which is 10W / 20W / 30W and the impedance of using the speaker is 4 $$ Ω .It is
Power	important to note that the corresponding power source is the power supply of POE
	(or 12VDC) / 18VDC / 24VDC 2A

c) Video

This page allows you to set the video capture and video encode.

Local Mode

Ip Camera Connect Settings Connect Mode	Local		
Video Capture	Apply		
IRCUT Mode	Automatic	Day/Night Mode	Automatic V
Anti Flicker	Disable 🔻	Vertical Flip	Enable • 29 • (10~50)
Backlight Compensation	Disable •	AutoFill Sensitivity	5 (1~10)
	Connect Mode Video Capture IRCUT Mode White Balance Anti Flicker IR Swap	Connect Mode Local Apply Video Capture IRCUT Mode Muite Balance Automatic Anti Flicker IR Swap Backlight Compensation Local Local Apply Local App	Connect Mode Local Apply Video Capture IRCUT Mode Automatic White Balance Automatic Anti Flicker Disable IR Swap Disable



niemos a	Video Encode>>				
1220		Main Strea	m	Sub Stre	am
Line	Encode Format	H264		H264	•
	Resolution	720P		CIF	•
> Intercom settings	Frame Rate	20	•	20	
	Bitrate Control	VBR	•	VBR	
Security settings	Quality	General	•	General	
	Bitrate	1700	•	318	
Function Key	I Frame Interval	2	(2~12)S	2	(2~12)S
	Activate				
			Default	Apply	
	RTSP Information				
	Main Stream Url : rtsp	://172.18.2.170/use	er=admin&passv	word=tlJwpbo6	6&channel=1&stream=0.sdp?real_stream Preview
	Sub Stream Url : rtsp	://172.18.2.170/use	er=admin&passv	word=tlJwpbo6	6&channel=1&stream=1.sdp?real_stream Preview

Camera Connect Se	ttings
Field Name	Explanation
Connect Mede	Local: Connect the original camera
Connect Mode	External: Connect to other manufacturers camera
Video Capture(Loca	l Mode)
	Auto: IRCUT switches according to the actual ambient light level of the camera
IRCUT Mode	Synchronization: The switching of the IRCUT is determined by the actual
	brightness of the IR lamp.
	Automatic: automatically switches according to the DNC Threshold and the
	brightness of the actual environment where the camera is located
Day/Night Mode	Day Mode: The camera's video screen is always colored, if there is IR-cut will be
	synchronized to switch.
	Night Mode: the camera's video screen is always black and white, if there is IR-cu
	will be synchronized switch.
	Automatic: Automatically adjusts according to the actual environment in which
White Balance	the camera is located.
White Balance	Outdoor: installed in the outdoor preferred.
	Indoor: installed in the room preferred.
Horizon Flip	The video is flipped horizontally
Anti Flicker	Enable the option. In a fluorescent environment can eliminate the video
Anti Fiicker	horizontal scroll
Vertical Flip	The video is flipped horizontally
IR Swap	IR-cut filter switch
DNC Throshold	In the Day / Night mode Auto option, the color switching black and white
DNC Threshold	threshold is set
Backlight	In front of a very strong background light can see people or objects clearly netvoipphone.co.uk 0333 014 4343



Compensation	
AutoFill Sonsitivity	In the environment changes in light and shade, the higher the sensitivity the
AutoFill Sensitivity	faster the video changes
Video Encode(Local I	Mode)
Field Name	Explanation
Encode Format	Only H.264 encoding format is supported
Decolution	Main stream: support 720P
Resolution	Sub-stream: you can select CIF (352 * 288), D1 (720 * 576)
Frama Data	The larger the value is, the more coherent the video would be got; not
Frame Rate	recommend adjusted.
Bitrate Control	CBR: If the code rate (bandwidth) is insufficient, it is preferred.
Bitrate Control	VBR: Image quality is preferred, not recommended.
Quality	Video quality adjustment, the better the quality needs to transfer faster
Bit rate	It is proportional to video file size, not recommend adjusted.
l Frame Interval	The greater the value is, the worse the video quality would be, otherwise the
i Frame interval	better video quality would be; not recommend adjusted.
Activate	When you selected it, the stream is enabled, otherwise disabled
Preview	copy and paste the main stream or sub-stream Url into the VLC player, or click
FIEVIEW	[Preview] to display the current camera video.

External Mode



	Features	Audio	Video	MCAST	Action URL	Time/Date	
› System							
> Network	Ip Camera Conne Connect Mode		External 🔻				
> Line	Ip Camera Settin	igs	Apply				
> Intercom settings	Position		ipCameraName		(40 Characters)		
Security settings	User Password Ip Camera Br	and	admin XM T				
› Function Key	IP Port		172.18.3.64 554 Apply				
	RTSP Informatio						
	Main Stream Sub Stream U		2.18.3.64:554/user=adm 2.18.3.64:554/user=adm				Preview Preview

Connection	Select external, click [Apply], restart the device
	ar(External Mada)
IP Camera Settin	gs(External Mode)
Field Name	Explanation
User name	External camera login required account
Password	External camera login password required
Camera type	Select the camera manufacturers
	IP address of the camera, please use the camera matching scan tool to obtain the IP
IP address	address
Port	Camera port number
RTSP	Click [Apply], the connection automatically shows the camera does not show the
information	reverse
Draviau	Copy and paste the main stream or sub-stream Url into the VLC player, or click
Preview	[Preview] to display the current camera video



	Features Audio	Video MC	AST Action URL	Time/Date
System				
Network	MCAST Settings			
7 HELWOIK	Priority	1 •]	
	Enable Page Priority			
Line	Index/Priority	Name		Host:port
	1			
Intercom settings	2			
and the second second second	3			
Security settings	4			
	5			
Function Key	6			
	7			
	8			
	9			
	10			

It is easy and convenient to use multicast function to send notice to each member of the multicast via setting the multicast key on the device and sending multicast RTP stream to pre-configured multicast address. By configuring monitoring multicast address on the device, the device monitors and plays the RTP stream which sent by the multicast address.

MCAST Settings

Equipment can be set up to monitor up to 10 different multicast addresses, used to receive the multicast RTP stream sent by the multicast address.

Here are the ways to change equipment receiving multicast RTP stream processing mode in the web interface: set the ordinary priority and enable page priority.

• Priority:

In the drop-down box to choose priority of ordinary calls, if the priority of the incoming streams of multicast RTP, lower precedence than the current common calls, device would automatically ignore the group RTP streams. If the priority of the incoming stream of multicast RTP is higher than the current common calls priority, device would automatically receive the group RTP streams, and keep the current common calls in maintained status. You can also choose to disable the function in the receiving threshold drop-down box, the device would automatically ignore all local network multicast RTP streams.

- The options are as follows:
 - ♦ 1-10: To definite the priority of the common calls, 1 is the top level while 10 is the lowest
 - ♦ Disable: ignore all incoming multicast RTP streams
 - ♦ Enable the page priority:

Page priority determines the device how to deal with the new receiving multicast RTP streams when it is in multicast session currently. When Page priority switch is enabled, the device would automatically ignore the low priority multicast RTP streams but receive top-level priority multicast RTP streams, and keep the current multicast session in maintained statu; If it is not enabled, the device would automatically ignore all receiving multicast RTP streams.





Web Settings:

Priority	1 💌	
Enable Page Priority		
Index/Priority	Name	Host:port
1	SS	239.1.1.1:1366
2	lee	239.1.1.1:1367

The multicast ss priority is higher than that of ee; ss has the highest priority.

Note: when you press the multicast key for multicast session, both multicast sender and receiver would beep.

Listener configuration

riority	3 💌	
nable Page Priority		
Index/Priority	Name	Host:port
1	group 1	224.0.0.2:2366
2	group 2	224.0.0.2:1366
3	group 3	224.0.0.6:3366
4		
5		
6		
7		
8		
9		
10		

• Blue part (name)

"Group 1", "Group 2" and "Group 3" are your setting monitoring multicast name. The group name would be displayed on the screen when you answer the multicast. If you have not set, the screen would display the IP: port directly.

• Purple part (host: port)

It is a set of addresses and ports to listen, separated by a colon.

• Pink part (index / priority)

Multicast is a sign of listening, but also the monitoring multicast priority. The smaller number refers to higher priority.

Red part (priority)

It is the general call, non-multicast call priority. The smaller number refers to higher priority. The followings would explain how to use this option:

- The purpose of setting monitoring multicast "Group 1" or "Group 2" or "Group 3" is to launch a multicast call.
- ♦ All equipment has one or more common non multicast communication.
- When you set the priority as disabled, any level of multicast would not be answered , multicast call is rejected.
- when you set the priority as some value, only the multicast higher than the priority can come in. If you set the priority as 3, group 2 and group 3 would be rejected, for its priority level is equal to 3 and less www.internetvoipphone.co.uk | sales@internetvoipphone.co.uk | 0333 014 4343



than 3; multicast 1 priority is set up with 2, higher than ordinary call priority, device can answer the multicast message, at the same time, holding the other call.

Green part (Enable Page priority)

Set whether to open multicast comparison function, multicast priority is pink part number. Following explains how to use:

- The purpose of setting monitoring multicast "group 1" or "group 3" is listening "group of 1" or "group 3" multicast call of multicast address.
- ♦ The device has a path or multi-path multicast calls, such as listening to "multicast information group 2".
- ♦ If multicast is a new "group 1", and because the priority of group 1" is 2, higher than the current call priority 3 of "group 2", so multicast call would come in.
- ♦ If multicast is a new "group 3", and because the priority of group 3" is 4, lower than the current call priority 3 of "group 2", the device would listen to the "group 1" and maintain the "group 2".

Multicast service

- **Send:** when you configure the item, pressing the corresponding key on the equipment shell, equipment would directly enter the Talking interface; the premise is to ensure no current multicast call and three-way conference, so the multicast can be established.
- **Monitor:** IP port and priority are configured to monitor the device, when the call is initiated by multicast and the call is successful; the device would directly enter the Talking interface.

e) Action URL

	Features Audio	Video	MCAST	Action URL	Time/Date	
	Action URL Event Settings					
> System	Active URI Limit IP					
	Setup Completed	-				
> Network	Registration Succeeded					
	Registration Disabled					
> Line	Registration Failed					
and the second second second second	Off Hooked					
Intercom settings	On Hooked					
	Incoming Call					
> Security settings	Outgoing calls					
COMPLEX-SECTO	Call Established					
> Function Key	Call Terminated	-				
	DND Enabled					
	DND Disabled	-				
	Mute					
	Unmute					
	Missed calls					
	IP Changed					
	Idle To Busy					
	Busy To Idle					
		Apply				

Action URL Event Settings



URL for various actions performed by the phone. These actions are recorded and sent as xml files to the server. Sample format is http://InternalServer /FileName.xml

Time/Date **f**)

	Features Audio	Video	MCAST	Action URL	Time/Date	
i.	Network Time Server Settings					
	Time Synchronized via SNTP					
rk	Time Synchronized via DHCP					
	Primary Time Server	time.nist.gov				
	Secondary Time Server	pool.ntp.org				
	Time zone	(UTC+8) China	,Singapore,Australi	•		
com settings	Resync Period	60	(1~500)Second(s)		
	Date Format					
ty settings	Date Format	1 JAN MON	•			
		(in 1997)				
on Key		Apply				
оп кеу		Apply				
л кеу		Appiy				
л кеу	Daylight Saving Time Settings					
	Location	China(Beijing)	T			
com settings	Location DST Set Type	China(Beijing) Automatic	T			
com settings	Location DST Set Type Fixed Type	China(Beijing) Automatic Disabled	T			
com settings	Location DST Set Type	China(Beijing) Automatic Disabled 0	T			
com settings	Location DST Set Type Fixed Type	China(Beijing) Automatic Disabled 0 Start	T	End		
	Location DST Set Type Fixed Type	China(Beijing) Automatic Disabled 0	T	End January		
com settings ty settings	Location DST Set Type Fixed Type Offset	China(Beijing) Automatic Disabled 0 Start	▼ ▼ Minute		T	
com settings ty settings	Location DST Set Type Fixed Type Offset Month	China(Beijing) Automatic Disabled 0 Start January	V Minute	January		
com settings y settings	Location DST Set Type Fixed Type Offset Month Week	China(Beijing) Automatic Disabled 0 Start January 1	V Minute	January 1	T	
com settings ty settings	Location DST Set Type Fixed Type Offset Month Week Weekday	China(Beijing) Automatic Disabled 0 Start January 1 Sunday	V Minute	January 1 Sunday	•	
com settings y settings	Location DST Set Type Fixed Type Offset Month Week Weekday Hour	China(Beijing) Automatic Disabled 0 Start January 1 Sunday 0	V Minute	January 1 Sunday	•	
com settings ty settings	Location DST Set Type Fixed Type Offset Month Week Weekday	China(Beijing) Automatic Disabled 0 Start January 1 Sunday 0 Apply	V Minute	January 1 Sunday	•	

Time/Date					
Field Name	Explanation				
Network Time Server Settings					
Time Synchronized via SNTP	Enable time-sync through SNTP protocol				
Time Synchronized via DHCP	Enable time-sync through DHCP protocol				
Primary Time Server	Set primary time server address				
Secondary Time	Set secondary time server address, when primary server is not reachable, the device would				
Server	try to connect to secondary time server to get time synchronization.				
Time zone	Select the time zone				
Resync Period	Time of re-synchronization with time server				
Date Format	voipphone.co.uk sales@internetvoipphone.co.uk 0333 014 4343				



12-hour clock	Set the time display in 12-hour mode
Date Format	Select the time/date display format
Daylight Saving Time S	Settings
Location	Select the user's time zone according to specific area
DST Set Type	Select automatic DST according to the preset rules of DST, or you can manually input rules
Offset	The DST offset time
Month Start	The DST start month
Week Start	The DST start week
Weekday Start	The DST start weekday
Hour Start	The DST start hour
Month End	The DST end month
Week End	The DST end week
Weekday End	The DST end weekday
Hour End	The DST end hour
Manual Time Settings	
The time might be set ma	anually, needed user to disable SNTP service first.

(5) Security settings

> System > Network	Input Settings Input Detect Trigger Mode Low Level Trigger(Close Trigger) ▼	
> Line	Output Settings Coutput Response Output Level High Level(NO:closed) Output Duration (1~600) s	
> Intercom settings	Alert Trigger Setting	
> Security settings	Alarm Ring Duration 5 (1~600) s Input Trigger Enable Ring ▼ DTMF Output Last By Duration ▼	
› Function Key	Remote DTMF Trigger Enable Ring Remote SMS Trigger Enable Ring Call State Trigger Talking Call State Trigger Talking	
	Apply	
	Server Settings	
	Server Address Send message to the server when the alarm is triggered Message:Alarm_Info:Description=PA2;SIP User=;Mac=00:a8:23:6a:6d:76;IP=172.18.2.170;port=Input1	
	Apply	



Field Name	Field Name						
Input settings							
Input Detect	Enable or disable Ir	nput Detect					
	When choosing the	low level trigger (Closed Trigger), detect the input port (low level)					
Trigger Mede	closed trigger.	closed trigger.					
Trigger Mode	When choosing the	high level trigger (Disconnected Trigger), detect the input port					
	(high level) disconn	ected trigger.					
Alert message	Enable or disable Ir	anut port cond moscogo to convor					
send to server	Enable or disable Input port send message to server						
Output Settings							
Output	Frable or disable O						
Response	Enable or disable O	utput Response					
	When choosing the	low level (NO: open), when meet the trigger condition, trigger the					
Output Louis	NO port disconnect	disconnected.					
Output Level	When choosing the high level (NO: closed), when meet the trigger condition, trigger						
	the NO port close.						
Output Duration	The port changes the	ne duration. The default is 5 seconds.					
Alert Trigger Setti	ing						
Alarm Ring	duration of alarm r	ing.					
Duration	duration of alarm r	ing					
	When the input po	rt meet to trigger condition, the output port will trigger(The Port					
Input Trigger	level time change, I	By < Output Duration > control).					
	You can choose to e	enable or disable the ringtone					
	By duration	The Port level time change, By < Output Duration > control					
DTMF Output	Dy Calling State	By call state control, after the end of the call, port to return the					
Last	By Calling State	default state					
Remote DTMF	Received the termin	nal equipment to send the DTMF password, if correct, which					
	triggers the corresp	oonding output port.					
Trigger	You can choose to e	enable or disable the ringtone					
DTMF Trigger	During the call, rece	eive the terminal equipment to send the DTMF password, if correct,					
Code	which triggers the o	corresponding output port. The default is 1234.					
Remote SMS	Enable or disable R	emote SMS Trigger .					
Trigger	You can choose to e	enable or disable the ringtone					
Trigger Message	In the remote devic	ce or server to send instructions to ALERT=[instructions], if correct,					
Format	which triggers the o	corresponding output port					



	The port output continuous time synchronization and trigger state changes, including the trigger conditions. Four models, such as: call trigger output port, will be in a call state to continue to respond)
Call State Trigger	1, Taking;
	2, Taking and ringing;
	3, ringing;
	4,Call.
Server Settings	
	Configure remote response server address(including remote response server address
Server Address	and tamper alarm server address). When the input port is triggered will send a short
Server Address	message to the server, the message format is as follows: Alarm Info:
	Description=PA2;SIP User=;Mac=00:a8:34:68:23:d1;IP=172.18.2.243;port=Input1

(6) Function Key

a) Function Key Settings

twork	Function Key Sett	i ngs Multiplexing as DSS Ke	292				
223	Key	Type	Number 1	Number 2	Line	Subtype	
ne	DSS Key 1	Key Event 🔻			SIP1	OK	۲
	DSS Key 2	None 🔻			SIP1	Speed Dial	۲
	A duran and California	i					
curity settings	Advanced Setting Use Function		able 🔻	Enable Speed Dial Han	gup Ena	able 🔻	
curity settings Function Key		Key to Answer En	able 🔻	Enable Speed Dial Han	gup Ena	able T	

Key Event

You might set up the key type with the Key Event.

Кеу	Туре	Numbe	er 1	Number 2	Lin	е	None Release	
DSS Key 1	Key Event 🗸				SIP1	Y	ОК	
DSS Key 2	None				SIP1	~	Speed Dial	~
Туре	Subtype		Usage					
	None		No respon	ding				
Key Event	Release		Delete password input, cancel dialing input and end ca			II		
	ОК		identification key					
WW	w.internetvoipphor	e.co.uk s	sales@inte	ernetvoipphone.	co.uk 0	333	3 014 4343	1



> Hot Key

You might enter the phone number in the input box. When you press the shortcut key, equipment would dial preset telephone number. This button can also be used to set the IP address: you can press the shortcut key to directly make a IP call.

Key	Т	ype Nu	umber 1	Number 2	Lin	е	Subtype
DSS Key	1 Hot Key	~			SIP1	~	Speed Dial
DSS Key	2 None	×			SIP1	Y	Intercom Speed Dial
Туре	Number	Line	Subtype	Usage			
Hot Key	Fill the called party's SIP account or	The SIP account corresponding lines	Speed Dial	Using Speed Dial n Enable Speed Dial Hangu this call is allowed the speed dial key	p Enable	~	can define whether
	IP address		Intercom	In Intercom mode supports Intercom automatically ans	n feature	, the	e device can

> Multicast

Multicast function is to deliver voice streams to configured multicast address; all equipment monitored the multicast address can receive and play it. Using multicast functionality would make deliver voice one to many which are in the multicast group simply and conveniently.

The Function Key multicast web configuration for calling party is as follow:

Key	Туре	Number 1	Number 2	Line	Subtype
DSS Key 1	Multicast 🔻			SIP1 T	G.722
	-1 t	A	oply		G.711A G.711U G.722
					G.723.1 G.726-32 G.729AB

Туре	Number	Subtype	Usage
	Set the host IP address and port number; they must be	G.711A	Nerrowband spaceh anding (4Khz)
		G.711U	Narrowband speech coding (4Khz)
Multicast		G.722	Wideband speech coding (7Khz)
Multicast	separated by a colon	C 722 1	
	. ,	G.726-32	Narrowband speech coding (4Khz)
		G.729AB	



• operation mechanism

You can define the Function Key configuration with multicast address, port and used codec. The device can configure via WEB to monitor the multicast address and port. When the device make a multicast, all devices monitoring the address can receive the multicast data.

♦ calling configuration

If the device is in calls, or it is three-way conference, or initiated multicast communication, the device would not be able to launch a new multicast call.

b) Advanced Settings

Use Function Key to Answer	Enable	Enable Speed Dial Hangup Enable 🔻
Hot Key Dial Mode Select	Main-Sec	ondary 🔻
Call Switched Time 16	(5~50)S	Day Start Time 06:00 (00:00~23:59) Day End Time 18:00 (00:00~23:59)

Advanced Settings	
Field Name	Field Name
Input Port Multiplexing 2	Enable or disable input port reuse for DSS key 2.
Use Function Key to Answer	Enable or disable DSS Key answer
Enable Speed Dial key Hang up	Enable or disable the DSS Key to hang up
	Number 1 Transfer Call Number 2 Mode Select.
	<primary secondary="">mode allow system to call primary extension first, if</primary>
	there is no answer, system would cancel the call and then call secondary
Hot Koy Dial Mode Solact	extension automatically.
Hot Key Dial Mode Select	<day night="">mode allow system to check the calling time is belong to day</day>
	time or night time, and then system decides to call the number 1 or number
	2 automatically.
	Users just press speed dial key once.
Call Switched Time	Set number 1 to transfer call number 2 time, default 16 seconds
Day Start Time	The start time of the day when you select <day night="">mode.</day>
Day End Time	The end time of the day when you select <day night="">mode.</day>



V. Appendix

1. Technical parameters

Communication protocol		SIP 2.0(RFC-3261)
Main chipset		Broadcom
Speech	Protocols	RTP
flow	Decoding	G.729、G.723、G.711、G.722、G.726
WAN		10/100BASE-TX s Auto-MDIX, RJ-45
MIC(Optional)		Speaker audio line signal output impedance 32 Ohm
		Sensitivity: -38dB, bias voltage 2.2V
Headset(Optional)		Speaker audio line signal output impedance 32 Ohm, single
		ended output voltage 1.2V, used for external headphones or
		active speakers
LED		Output 5V voltage 5 mA current, can be an external LED,
		indicating the network status, call status, registration status.
Recording		the local microphone voice and call voice mixed output, suitable
		for computer and other equipment recording. Output impedance
		15 Ohm.
Speaker(Optional)		Intercom mode 8Ω / 5W, internal magnetic horn, diameter:
		57mm,Output power can support 4 Ohm: POE / 10W, 12V /
		10W, 18V / 20, 24V / 30W
Camera (Optional)		1/4 "color CMOS, 1 megapixel, wide angle
Power supply mode		12 \sim 24V 2A DC or PoE
РоЕ		PoE 802.3af (Class 3 - 6.49~12.95W)
Cables		CAT5 or better
Shell Material		Aluminum alloy
Working temperature		-30°C to 70°C
Storage temperature		-40°C to 70°C
Installation way		Embedded or desktop
External size		113x83x28mm
Package size		138x108x77mm
Equipment weight		250g

2. Basic Functions

- 2 SIP lines
- PoE Enabled ternetvoipphone.co.uk | sales@internetvoipphone.co.uk | 0333 014 4343



- External power supply
- Supports two lines RTSP
- button or remote volume adjustment
- switch signal input and output
- Talkback recording output
- Default auto answer
- Dynamic multicast function
- Support for Function key interface
- Support monophonic active speakers