

# i23 IP Voice Access User Manual





Wall mounted

In-wall



# **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 will 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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## A. Product introduction

i23 voice access is a full digital network door phone, with its core part adopts mature VoIP solution (Broadcom chip), stable and reliable performance, hands-free adopting digital full-duplex mode, voice loud and clear, generous appearance, solid durable, easy for installation, comfortable keypad and low power consumption.

i23 voice access supports entrance guard control, voice intercom, ID card and keypad remote to open the door.

## 1. Appearance of the product







In-wall



# 2. description

Buttons and icons	Description	Function
(1) (2) (3) (4) (5) (6) (7) (8) (3) (5) (0) (1)	Numeric keyboard	Input password to open the door or to call.
	programmable keys	Can be set to a variety of functions, in order to meet the needs of different occasions
CARD COS	induction zone	RFID induction area
	Lock Status	Door unlocking: On Door locking: Off
(1 <sup>2</sup> / <sub>2</sub> )	Call status	Standby: Off Hold/Blink with 1s Calls: On
$\Diamond$	Ring status	Standby: Off Ringing: On
111	Network/SIP Registration	Network error: Blink with 1s  Network running: Off  Registration failed: Blink with 3s  Registration succeeded: On



# **B. 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, electric lock control line connection and the boot-up is normal. (Check the network state of light)

## 1) Power port

Power supply ways: 12v/DC or POE.

CI	N1
1	2
+12V	GND
12V 1	.A/DC



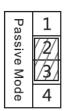
## 2) Electric-lock and indoor switch port

J2						
1	2	3	4	5		
S_IN	S_OUT	NC	СОМ	NO		
Indoor	switch	Elect	tric-lock sv	vitch		



# 3) Driving mode of electric-lock(Default in active mode)







Jumper in passive mode

Jumper in active mode

[Note] When the device is in active mode, it can drive 12V/700mA switch output maximum, to which a standard electric-lock or another compatible electrical appliance can be connected.

- When using the active mode, it is 12V DC in output.
- When using the passive mode, output is short control (normally open mode or normally close mode).



# 4) Wiring instructions

• NO: Normally Open Contact.

COM: Common Contact.

NC: Normally Close Contact.

Driving Mode			ric lock		
Active	Passive	NO	NC	Jumper port Connections	
٧		٧		Active Mode	Door Phone Power Input  12V  S-IS-O NC COM NO  Electric lock (Normally open type)  12V/1A  Indoor switch  No electricity when open the door
٧			٧	Active Mode	Door Phone Power Input  12V  S-IS-O NC COM NO  Power Supply  12V/1A  Indoor switch  When the power to open the door
	٧	٧		Passive Mode 4	Indoor switch  Electric lock (normally open type) No electricity when open the door
	٧		٧	Passive Mode	Indoor switch  Electric lock (normally closed type)  When the power to open the door
	٧	٧		Passive Mode 4	Door Phone dedicated power supply NCCOM NO PUSHGNB 12V S-I S-O NC COM NO Switch Indoor switch Without power to open the door

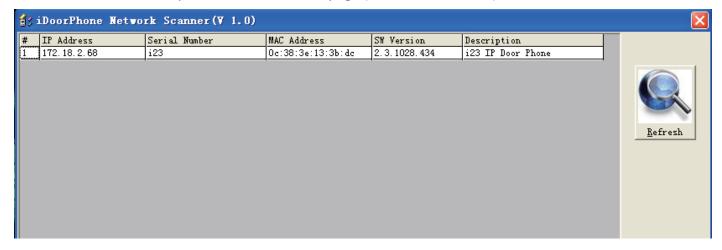


#### 2. Quick Setting

The product provides a complete function and parameter setting. Users may need to have the network and SIP protocol knowledge to understand the meaning represented by all parameters. 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 compulsory setting options in this section to let users know how to operate without understanding such complex SIP protocols.

In prior to this step, please make sure your broadband Internet online can be normal operated, and complete the connection of the network hardware. The product factory default network mode is DHCP. Thus, only connect equipment with DHCP network environment that network can be automatically connected.

- Press and hold "#" key for 3 seconds and the door phone will report the IP address by voice, or use the "iDoorPhoneNetworkScanner.exe" software to find the IP address of the device.
  - **Note:** when power on, 30s waiting is needed for device running.
- Log on to the WEB device configuration.
- ➤ In a SIP page configuration service account, user name, parameters that are required for server address register.
- You can set DSS key in the Webpage(functions key settings -> function key).
- You can set function parameters in the Webpage (Intercom-> feature).





# C. Basic operation

#### 1. Answer a call

When a call comes in, the device will answer automatically. If you cancel auto answer feature and set auto answer time, you will hear the bell ring at the set time and the device will auto answer after a timeout.

#### 2. Call

Configure shortcut key as hot key and setup a number, then press shortcut key can call the configured number.

#### 3. End call

Enable Release key hang up to end call.

#### 4. Call record

The device provides 900 call records. When the storage space is exhausted, it will cover the first call records. When the device is powered down or reboot, call records will be removed.

You can view the call records in the web page (Door phone/Door log)

# 5. Open the door operation

Through the following seven ways to open the door:

- 1) Input password on the keyboard to open the door.
- 2) Access to call the owner and the owner enter the remote password to open the door.
- 3) Owner/other equipment call the access control and enter the access code to open the door. (access code should be included in the list of access configuration, and enable for remote calls to open the door)
- 4) Swipe the RFID cards to open the door.
- 5) By means of indoor switch to open the door.
- 6) Private access code to open the door.
  - Enable for local authentication, and set private access code. Input the access code directly under standby mode to open the door. In this way, the door log will record corresponding card number and user name.
- 7) Active URL control command to open the door.
  URL is "http://host/cgi-bin/ConfigManApp.com?key=F\_LOCK&code=openCode", "openCode" is the remote control code to open the door.



If access code is input correctly, the device will play sirens sound to prompt access control and the remote user, while input error by low-frequency short chirp.

Password input successfully followed by high-frequency sirens sound, while input error is followed by high-frequency short chirp.

When door has been opened, the device will play sirens sound to prompt.

# D. Page settings

## 1. Browser configuration

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

Enter the user name and password and click the [logon] button to enter the settings screen.



After configuring the equipment, remember to click SAVE under the Maintenance tab. If this is not done, the equipment will lose the modifications when it has been rebooted.

## 2. Password Configuration

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

Default user with general level:

Username: guest

◆ Password: guest

Default user with root level:

Username: adminPassword: admin



# 3. Configuration via WEB

# (1) BASIC

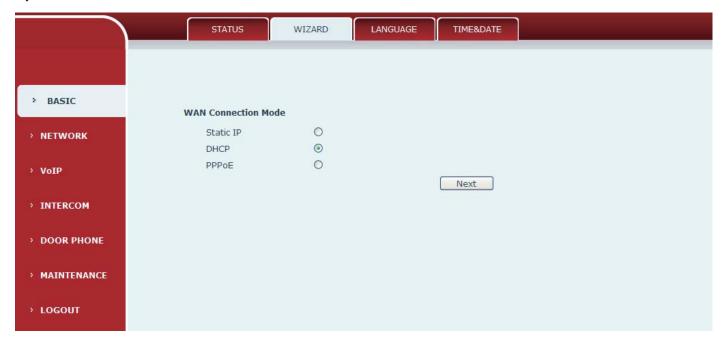
## a) STATUS



Status				
Field Name	Explanation			
	Shows the configuration information for WAN and LAN port, including connection			
Network	mode of WAN port (Static, DHCP, PPPoE), MAC address, IP address of WAN port and LAN			
	port, DHCP server, status for LAN port (ENABLED or DISABLED).			
Accounts	Shows the phone numbers and registration status for the 2 SIP LINES.			



# b) WIZARD



Wizard					
Field Name	Field Name Explanation				
Select the approp	priate network mode. The equipment supports three network modes:				
Static IP mode	The parameters of a Static IP connection must be provided by your ISP.				
DHCP mode	In this mode, network parameter information will be obtained automatically from a DHCP server.				
PPPoE mode In this mode, you must enter your ADSL account and password.					
Static IP mode is selected; Click <next> to go to Quick SIP Settings, Click Back to return to the Wizard</next>					
screen.					
After selecting DHCP and clicking NEXT, the Quick SIP Settings screen will appear. Click Back to return to					
the Wizard screen. Click <next> to go to the Summary screen.</next>					
If PPPoF is selected, this screen will appear. Enter the information provided by the ISP, Click <next> to go</next>					

If PPPoE is selected, this screen will appear. Enter the information provided by the ISP. Click <Next> to go to Quick SIP Setting. Click Back to return to the Wizard screen.



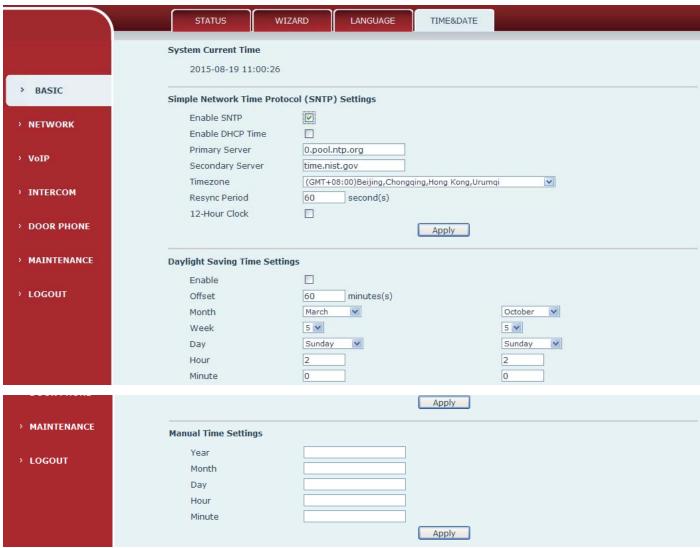
#### c) LANGUAGE

Set the current language.



#### d) TIME&DATE

Set the time zone and SNTP (Simple Network Time Protocol) server on this page. Daylight Saving Time configuration and Manual Time and Date entry can also be done in this page.



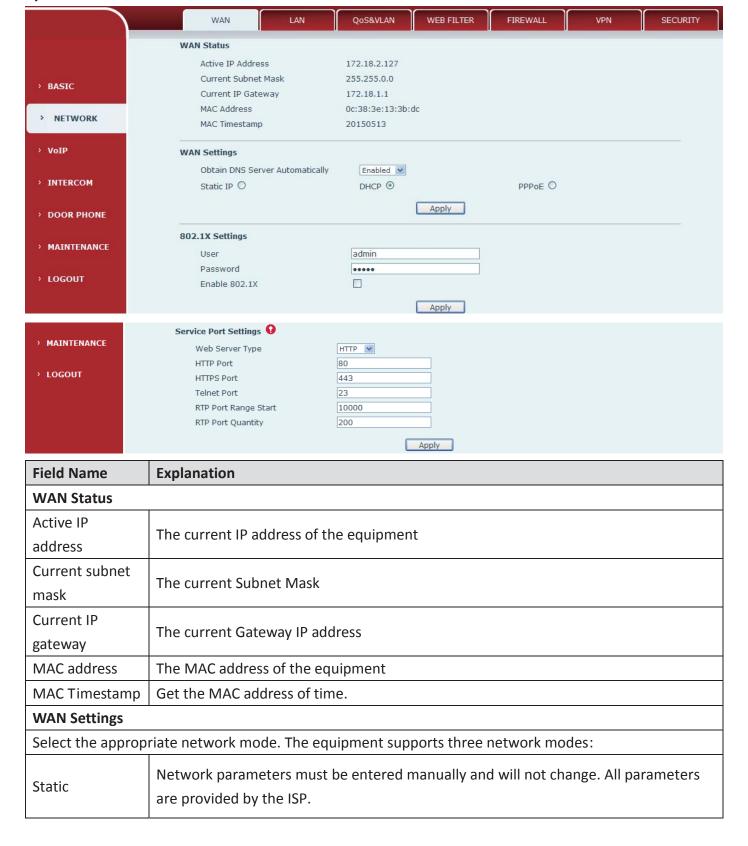


Time&Date					
Field Name	Explanation				
System Current	System Current Time				
Display the curre	ent time				
Simple Network	Time Protocol (SNTP) Settings				
Enable SNTP	Enable or Disable SNTP				
Enable DHCP Time	If this is enabled, equipment will synchronize time with DHCP server				
Primary Server	IP address of Primary SNTP Server				
Secondary Server	IP address of Secondary SNTP Server				
Time zone	Local Time Zone				
Resync Period	Time between resync to SNTP server. Default is 60 seconds.				
12-Hour Clock	If checked, clock is 12 hour mode. If unchecked, 24 hour mode. Default is 24 hour mode.				
Daylight Saving	Time Settings				
Enable	Enable daylight saving time				
Offset	DST offset. Default is 60 minutes				
Month	Start and end month for DST				
Week	Start and end week for DST				
Day	Start and end day for DST				
Hour	Start and end hour for DST				
Minute Start and end minute for DST					
Manual Time Settings					
Enter the values for the current year, month, day, hour and minute. All values are required.					
Be sure to disable SNTP service before entering manual time and date.					



## (2) NETWORK

#### a) WAN





Field Name	Explanation
DHCP	Network parameters are provided automatically by a DHCP server.
PPPoE	Account and Password must be input manually. These are provided by your ISP.

#### If Static IP is chosen, the screen below will appear. Enter values provided by the ISP.

After entering the new settings, click the APPLY button. The equipment will 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.

#### 802.1X Settings

User	admin			
Password	••••			
Enable 802.1X				
	Apply			
User	802.1X user account			
Password	802.1X password			
Enable 812.1X	Enable or Disable 812.1X			
Service port Setti	ngs			
Web Server Type	Specify Web Server Type – HTTP or HTTPS			
	Port for web browser access. Default value is 80. To enhance security, change this from			
HTTP Port	the default. Setting this port to 0 will disable HTTP access.			
HITPPOR	Example: The IP address is 192.168.1.70 and the port value is 8090, the accessing			
	address is http://192.168.1.70:8090.			
	Port for HTTPS access. Before using HTTPS, an HTTPS authentication certification must			
HTTPS Port	be downloaded into the equipment.			
	Default value is 443. To enhance security, change this from the default.			
Telnet Port	Port for Telnet access. The default is 23.			
RTP Port Range	Set the beginning value for RTP Ports. Ports are dynamically allocated.			
Start				
RTP Port	Sat the maximum quantity of DTD Dowts. The default is 200			
Quantity	Set the maximum quantity of RTP Ports. The default is 200.			

#### Note:

- 1. Any changes made on this page require a reboot to become active.
- 2. It is suggested that changes to HTTP Port and Telnet ports be values greater than 1024. Values less than 1024 are reserved.
- 3. If the HTTP port is set to 0, HTTP service will be disabled.



#### b) LAN

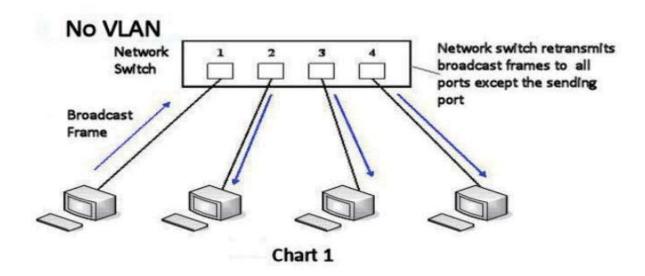


LAN		
Field Name	Explanation	
IP Address	LAN static IP	
Enable bridge mode	If Bridge Mode is activated, the equipment will not provide an IP address for the LAN port. Instead, the LAN and WAN will be part of the same network. If this is activated, clicking Apply, will cause the equipment reboot.	
Note: If bridge mode is chosen, static LAN configuration will be disabled automatically.		

#### c) QoS&VLAN

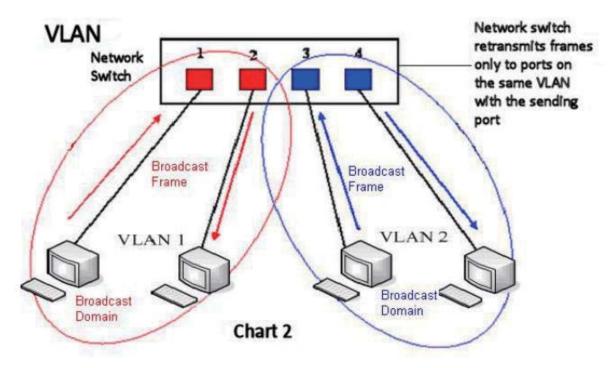
The equipment supports 802.1Q/P protocol and DiffServ configuration. Use of a Virtual LAN (VLAN) allows voice and data traffic to be separated.

> Chart 1 shows a network switch with no VLAN. Any broadcast frames will be transmitted to all other ports. For example, frames broadcast from Port 1 will be sent to Ports 2, 3, and 4.

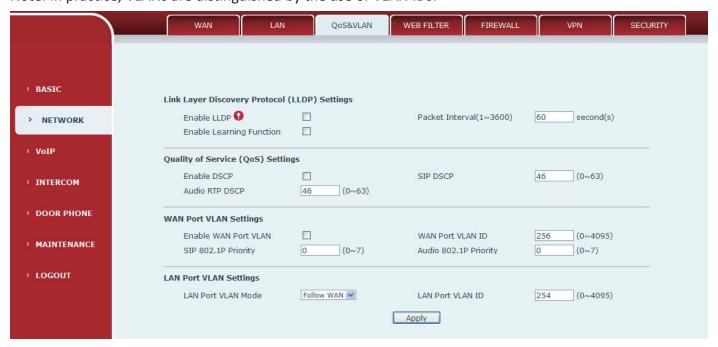




➤ Chart 2 shows an example with two VLANs indicated by red and blue. In this example, frames broadcast from Port 1 will only go to Port 2 since Ports 3 and 4 are in a different VLAN. VLANs can be used to divide a network by restricting the transmission of broadcast frames.



Note: In practice, VLANs are distinguished by the use of VLAN IDs.





QoS&VLAN			
Field Name	Explanation		
Link Layer Discovery Protocol (LLDP) Settings			
Enable LLDP	Enable or Disable Link Layer Discovery Protocol (LLDP)		
Enable Learning Function	Enables the telephone to synchronize its VLAN data with the Network Switch.  The telephone will automatically synchronize DSCP, 802.1p, and VLAN ID values even if these values differ from those provided by the LLDP server.		
Packet Interval	The time interval for sending LLDP Packets		
Quality of Service (QoS	) Settings		
Enable DSCP	Enable or Disable Differentiated Services Code Point (DSCP)		
Audio RTP DSCP	Specify the value of the Audio DSCP in decimal		
SIP DSCP	Specify the value of the SIP DSCP in decimal		
WAN Port VLAN Setting	gs		
Enable WAN Port VLAN	Enable or Disable WAN Port VLAN		
WAN Port VLAN ID	Specify the value of the WAN Port VLAN ID. Range is 0-4095		
SIP 802.1P Priority	Specify the value of the signal 8021.p priority. Range is 0-7		
Audio 802.1P Priority	Specify the value of the voice 802.1p priority. Range is 0-7		
LAN Port VLAN Settings	5		
LAN Port VLAN Mode	Follow WAN: LAN Port ID is same as WAN ID.  Disable: Disable Port VALN  Enable: Specify a VLAN ID for the LAN port which is different from WAN ID		
LAN Port VLAN ID	Used when the VLAN ID is different from WAN ID. Range is 0-4095		

# d) WEB FILTER





#### Web filter

The Web filter is used to limit access to the equipment. When the web filter is enabled, only the IP addresses between the start IP and end IP can access the equipment.

#### Web Filter Table

Web page access allows display the IP network list.

#### Web Filter Table Settings

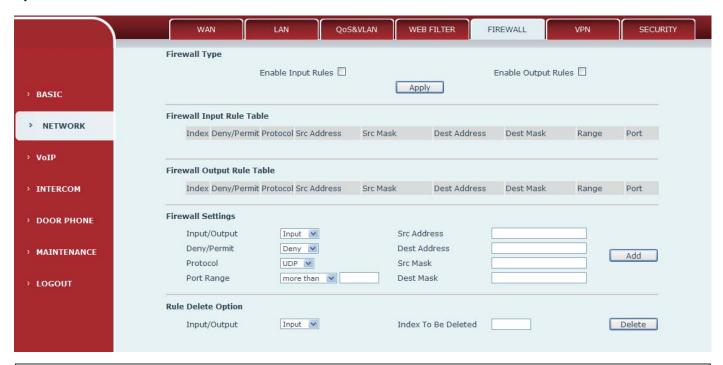
Beginning and Ending IP Address for MMI Filter, Click add this filter range to the Web Filter Table.

#### **Web Filter Setting**

Select to enable MMI Filter. Click <apply> Make filter settings effective.

Note: Be sure that the filter range includes the IP address of the configuration computer.

#### e) FIREWALL



#### **Firewall**

Firewall rules can be used to prevent unauthorized Internet users from accessing private networks connected to this phone (input rule), or prevent unauthorized devices connected to this phone from accessing the Internet (output rule). Each rule type supports a maximum of 10 items.

#### **Firewall Rules Settings**

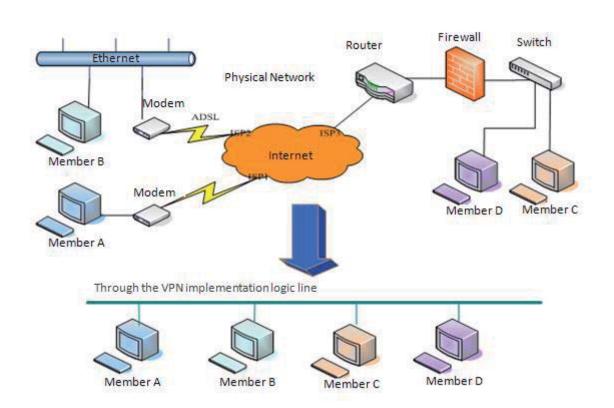
Thewan Males Set	
Enable Input	Enable rules limiting access from the Internet.
Rules	
Enable Output	Enable rules limiting access to the Internet.
Rules	Enable rules limiting access to the internet.



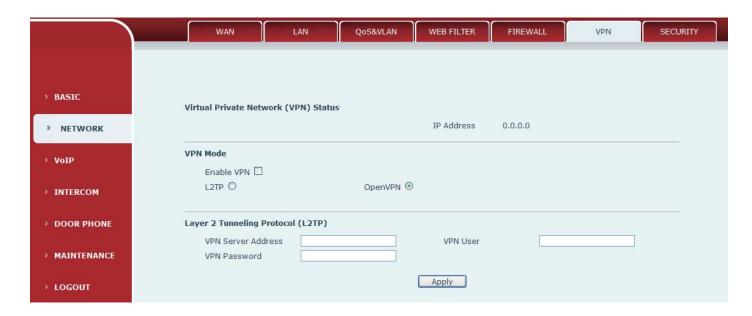
Field Name	Explanation
Firewall Settings	
Input / Output	Specify if the current rule is input or output.
Deny/Permit	Specify if the current rule is Deny or Permit.
Protocol	Filter protocol type (TCP/ UDP/ ICMP/ IP)
Port Range	Set the filter Port range
Source Address	Set source address. It can be a single IP address or use * as a wild card. For example:
Source Address	192.168.1.14 or *.*.*.14.
Destination	Set destination address. It can be a single IP address or use * as a wild card. For
Address	example: 192.168.1.14 or *.*.*.14.
Source Mask	Set the source address mask. For example: 255.255.255 points to one host while
Source Mask	255.255.255.0 points to a C type network.
Destination	Set the destination address mask. For example: 255.255.255.255 points to one host
Mask	while 255.255.25 points to a C type network.

#### f) 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		
Virtual Private N	Virtual Private Network (VPN) Status		
VPN IP	Shows the current VPN IP address.		
VPN Mode	VPN Mode		
Enable VPN	Enable/Disable VPN.		
L2TP	Select Layer 2 Tunneling Protocol		
Onen V/DN	Select OpenVPN Protocol. (Only one protocol may be activated. After the selection is		
Open VPN	made, the configuration should be saved and the phone be rebooted.)		
Layer 2 Tunnelin	Layer 2 Tunneling Protocol (L2TP)		
VPN Server	SALVEN LATE SALVA DE ARTIGO		
address	Set VPN L2TP Server IP address.		
VPN user	Set User Name access to VPN L2TP Server.		
VPN password	Set Password access to VPN L2TP Server.		



# g) SECURITY



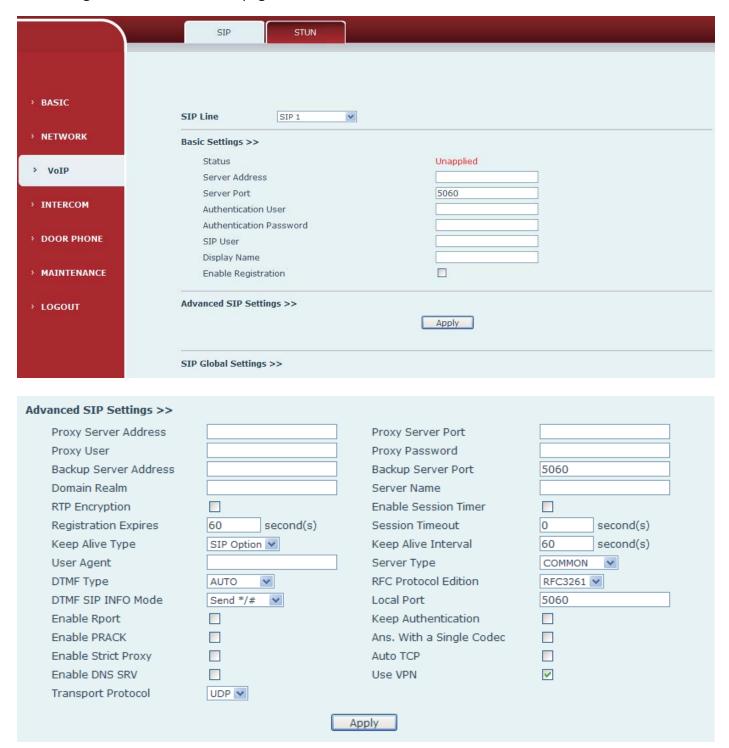
Field Name	Explanation
Update Security	Select the security file to be updated. Click the Update button to update.
File	Select the security me to be appared. Click the opuate button to appare.
Delete Security	Salast the sasurity file to be deleted. Click the Delete button to Delete
File	Select the security file to be deleted. Click the Delete button to Delete.
SIP TLS Files	Show SIP TLS authentication certificate.
HTTPS Files	Show HTTPS authentication certificate.
OpenVPN Files	Show OpenVPN File authentication certificate file.



# (3) VOIP

### a) SIP

Configure a SIP server on this page.





Strict Branch			Enable Group		
Registration Failure Retry	32	second	DND Return Code	480(Temporarily Not Available)	,
Time	(s)		DND Retail Code	400(Temporarily Not Available)	-
Reject Return Code	603(Decline)	~	Busy Return Code	486(Busy Here)	1

SIP		
Field Name	Explanation	
Basic Settings (Choose the SIP line to configured)		
	Shows registration status. If the registration is successful done,it will display "has	
Status	been registered", otherwise will display "not registered". The wrong password will	
	display "403 errors" and account number failure will display "timeout".	
Server Address	SIP server IP address or URI.	
Server Port	SIP server port. Default is 5060.	
Authentication	SID account name (Login ID)	
User	SIP account name (Login ID).	
Authentication	CID varietystics passured	
Password	SIP registration password.	
SIP User	Phone number assigned by VoIP service provider. Equipment will not register if there	
SIP USEI	is no phone number configured.	
Display Name	Set the display name. This name is shown on Caller ID.	
Enable	Charleta submit registration information	
Registration	Check to submit registration information.	
Advanced SIP Sett	ings	
Proxy Server	SIP proxy server IP address or URI, (This is normally the same as the SIP Registrar	
Address	Server)	
Proxy Server Port	SIP Proxy server port. Normally 5060.	
Proxy User	SIP Proxy server account.	
Proxy Password	SIP Proxy server password.	
Backup Server	Backup SIP Server Address or URI (This server will be used if the primary server is	
Address	unavailable)	
Backup Server	Dealure CID Comron Don't	
Port	Backup SIP Server Port.	
Domain Realm	SIP Domain if different than the SIP Register Server.	
Server Name	Name of SIP Backup server	



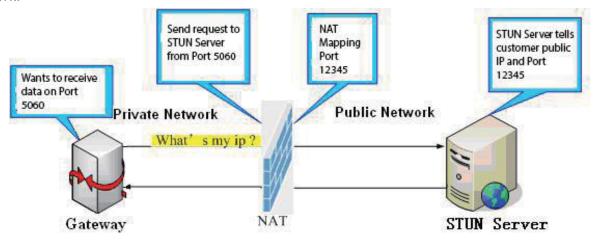
Field Name	Explanation
SIP Encryption	Enable/Disable SIP Encryption.
Enable Session	If analysed this will refresh the CID session times nor DEC4029
Timer	If enabled, this will refresh the SIP session timer per RFC4028.
Registration	SIP re-registration time. Default is 60 seconds. If the server requests a different time,
Expires	the phone will change to that value.
Session Timeout	Refresh interval if Session Timer is enabled.
	Specifies the NAT keep alive type. If SIP Option is selected, the equipment will send
Koon Alivo Tuno	SIP Option SIP messages to the server every NAT Keep Alive Period. The server will
Keep Alive Type	then respond with 200 OK. If UDP is selected, the equipment will send a UDP
	message to the server every NAT Keep Alive Period.
Keep Alive Interval	Set the NAT Keep Alive interval. Default is 60 seconds
User Agent	Set SIP User Agent value.
Server Type	Configures phone for unique requirements of selected server.
	DTMF sending mode. There are four modes:
	In-band
DTMF Tuno	• RFC2833
DTMF Type	SIP_INFO
	• AUTO
	Different VoIP Service providers may require different modes.
RFC Protocol	Select SIP protocol version RFC3261 or RFC2543. Default is RFC3261. Used for
Edition	servers which only support RFC2543.
DTMF SIP INFO Mode	You can chose Send 10/11 or Send */#
Local Port	SIP port. Default is 5060.
Enable Rport	Enable/Disable support for NAT traversal via RFC3581 (Rport).
Koon	Enable /disable registration with authentication. It will use the last authentication
Keep Authentication	field which passed authentication by server. This will decrease the load on the server
Authentication	if enabled
Enable PRACK	Enable or disable SIP PRACK function. Default is OFF. It is suggested this be used.
Ans. With a Single Codec	If enabled phone will respond to incoming calls with only one codec.
Enable Strict	Enables the use of strict routing. When the phone receives packets from the server it
Proxy	will use the source IP address, not the address in via field.
Auto TCD	Force the use of TCP protocol to guarantee usability of transport for SIP messages
Auto TCP	above 1500 bytes



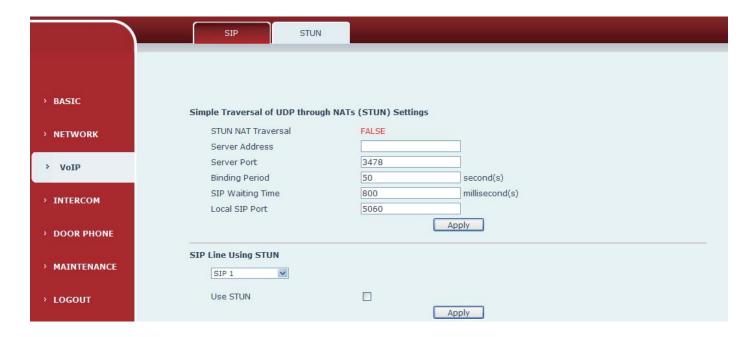
Field Name	Explanation	
Enable DNS SRV	Enables use of DNS SRV records	
Use VPN	Enable SIP use VPN for every line individually, not all of them	
Transport	Configuration using the transport protocol, TCP, TLS or UDP, the default is UDP.	
Protocol	Configuration using the transport protocol, TCP, TLS of ODP, the default is ODP.	
SIP Global Settings		
	Enable Strict Branch - The value of the branch must be after"z9hG4bK" in the VIA	
Strict Branch	field of the INVITE message received, or the phone will not respond to the INVITE.	
	Note: This will affect all lines	
Enable Group	Enable SIP Group Backup. This will affect all lines	
Registration	Registration failures retry time – If registrations fails, the phone will attempt to	
Failure Retry	register again after registration failure retry time. This will affect all lines	
Time	register again after registration failure retry time. This will affect all lines	
DND Return Code	Specify SIP Code returned for DND. Default is 480 - Temporarily Not Available.	
Reject Return	Specify SID Code returned for Rejected call Default is 602 Decline	
Code	Specify SIP Code returned for Rejected call. Default is 603 – Decline.	
Busy Return Code	Specify SIP Code returned for Busy. Default is 486 – Busy Here.	

## b) STUN

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.







STUN	
Field Name	Explanation
STUN NAT Traversal	Shows whether or not STUN NAT Traversal was successful.
Server Address	STUN Server IP address
Server Port	STUN Server Port – Default is 3478.
Dinding Davied	STUN blinding period – STUN packets are sent at this interval to keep the NAT
Binding Period	mapping active.
SIP Waiting Time	Waiting time for SIP. This will vary depending on the network.
Local SIP Port	Port configure the local SIP signaling
SIP Line Using STUN (SIP1 or SIP2)	
Use STUN	Enable/Disable STUN on the selected line.
Note: the SIP STUN is used to achieve the SIP penetration of NAT, is the realization of a service, when the	
equipment configuration of the STLIN server IP and nort (usually the default is 3478), and select the Lise	

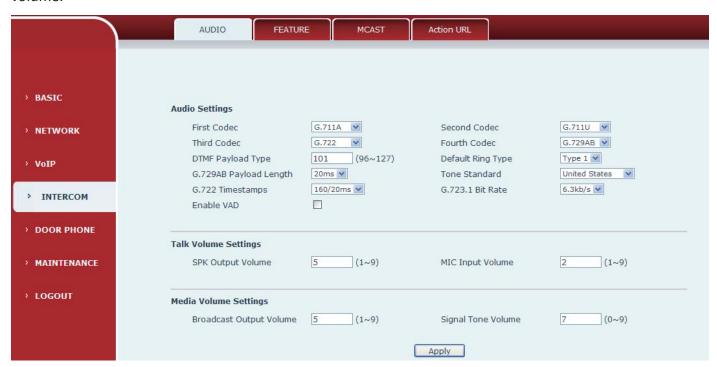
Note: the SIP STUN is used to achieve the SIP penetration of NAT, is the realization of a service, when the equipment configuration of the STUN server IP and port (usually the default is 3478), and select the Use Stun SIP server, the use of NAT equipment to achieve penetration.



# (4) INTERCOM

## a) AUDIO

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

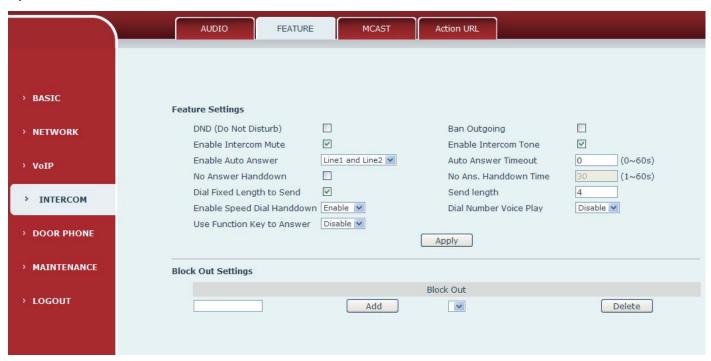


Field Name	Explanation		
Audio Settings	Audio Settings		
First Codec	The first codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB		
Second Codec	The second codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None		
Third Codec	The third codec choice: G.711A/U, G.722, G.723.1, G.726-32, 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	C 730AB Bayload Longth Adjusts from 10 60 mSec		
Length	G.729AB Payload Length – Adjusts from 10 – 60 mSec.		
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.		
Enable VAD	Enable or disable Voice Activity Detection (VAD). If VAD is enabled, G729 Payload		
Enable VAD	length cannot be set greater than 20 mSec.		



Field Name	Explanation	
Talk Volume Settings		
SPK Output Volume	Set the speaker calls the volume level.	
MIC Input	Set the MIC calls the volume level.	
Volume	Set the Mic cans the volume level.	
Media Volume S	Media Volume Settings	
Broadcast	Set the broadcast the output volume level.	
Output Volume	Set the broadcast the output volume level.	
Signal Tone	Set the audio signal the output volume level.	
Volume	Set the addio signal the output volume level.	

## b) FEATURE



Feature	
Field Name	Explanation
Feature Settings	
DND (Do Not	DND might be disabled phone for all SIP lines, or line for SIP individually.But the
Disturb)	outgoing calls will not be affected
Ban Outgoing	If enabled, no outgoing calls can be made.



Field Name	Explanation
Enable Intercom	If enabled, mutes incoming calls during an intercom call.
Mute	
Enable Intercom	If enabled, plays intercom ring tone to alert to an intercom call.
Tone	
Enable Auto	Enable Auto Answer function
Answer	
Auto Answer	Set Auto Answer Timeout
Timeout	
No Answer	Enable automatically hang up when no answer
Handdown	
No Answer	Configuration in a set time, automatically hang up when no answer
Handdown	
Time	
Dial Fixed	Enable or disable dial fixed length to send.
Length to Send	
Send length	The number will be sent to the server after the specified numbers of digits are dialed.
Enable Speed	Enable Speed Dial Hand Up function
Dial Handdown	
Dial Number	Configuration Open / Close Dial Number Voice Play
Voice Play	
Use Function	Configure whether to enable the function keys, is disabled by default.
Key to Answer	

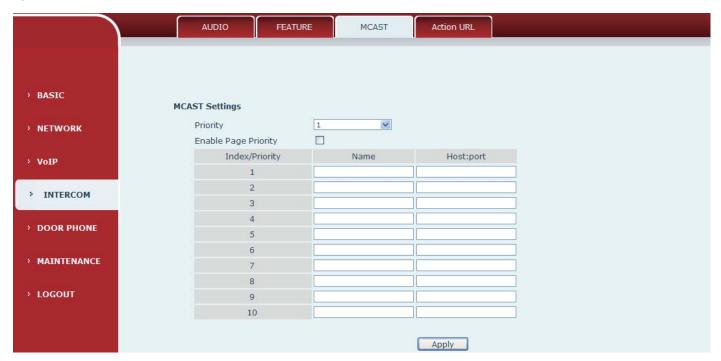
#### **Block Out Settings**

Add or Delete Blocked numbers – Enter the prefix of numbers which should not be dialled by the phone. For example, if 001 is entered, the phone will not dial any numbers beginning with 001.

X and x are wildcards which match single digits. For example, if 4xxx or 4XXX is entered, the phone will not dial any 4 digit numbers beginning with 4. It will dial numbers beginning with 4 which are longer or shorter than 4 digits.



#### c) MCAST



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, monitor and play the RTP stream which sent by the multicast address.

#### **MCAST Settings**

Equipment can be set up to monitor up to 10 different multicast address, 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:

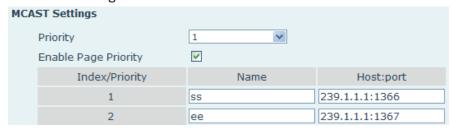
In the drop-down box to choose priority of ordinary calls the priority, if the priority of the incoming flows of multicast RTP, lower precedence than the current common calls, device will automatically ignore the group RTP stream. If the priority of the incoming flow of multicast RTP is higher than the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



- 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 stream
  - ♦ Enable the page priority:

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

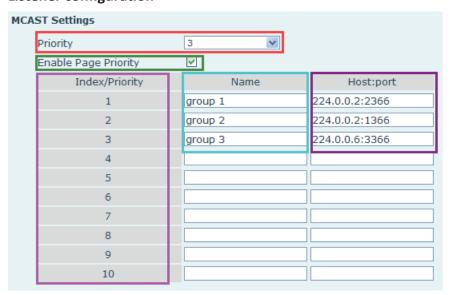
#### Web Settings:



The multicast SS priority is higher than that of EE, which is the highest priority.

Note: when pressing the multicast key for multicast session, both multicast sender and receiver will beep.

#### Listener configuration



#### Blue part (name)

"Group 1", "Group 2" and "Group 3" are your setting monitoring multicast name. The group name will be displayed on the screen when you answer the multicast. If you have not set, the screen will 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 high priority. The followings will explain how to use this option:

- ♦ The purpose of setting monitoring multicast "Group 1" or "Group 2" or "Group 3" launched a multicast call.
- ♦ All equipment has one or more common non multicast communication.
- ♦ When you set the Priority for the disable, multicast any level will not answer, multicast call is rejected.
- ♦ when you set the Priority to a value, only higher than the priority of multicast can come in, if you set the Priority is 3, group 2 and group 3 for priority level equal to 3 and less than 3 were rejected, 1 priority is 2 higher than ordinary call priority device can answer the multicast message at the same time, keep the hold the other call.

#### Green part (Enable Page priority)

Set whether to open more priority is the priority of multicast, multicast is pink part number. Explain how to use:

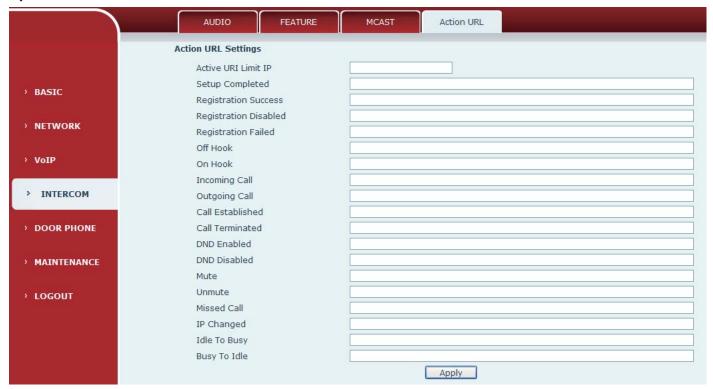
- ♦ The purpose of setting monitoring multicast "group 1" or "3" set up listening "group of 1" or "3" multicast address multicast call.
- ♦ All equipment has been a path or multi-path multicast phone, such as listening to "multicast information group 2".
- ♦ If multicast is a new "group of 1", because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

#### **Multicast service**

- Send: when configured ok, our key press shell on the corresponding equipment, equipment directly
  into the Talking interface, the premise is to ensure no current multicast call and 3-way of the case, the
  multicast can be established.
- Lmonitor: IP port and priority configuration monitoring device, when the call is initiated and incoming multicast, directly into the Talking interface equipment.



#### d) Action URL



#### **Action URL 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

## (5) DOOR PHONE

## a) FUNCTION KEY





## > Key Event Settings

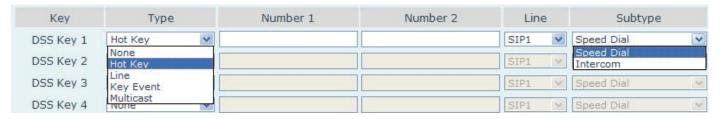
Set the key type to the Key Event.

Key	Type	Number 1	Number 2	Line	Subtype
DSS Key 1	Key Event			SIP1 V	OK 💌
DSS Key 2	None Hot Key			SIP1 V	None Dial
DSS Key 3	Line Key Event		1	SIP1 V	Release OK
DSS Key 4	Multicast			SIP1 V	Handfree

DSS key type	Subtype	Usage
	None	Not responding
	Dial	Dial function
Key Event	Release	End calls
	OK	Identify key
	Handfree	The hand-free key(with hook dial, hang up)

## Hot key Settings

Enter the phone number in the input box, when you press the shortcut key, equipment will dial set telephone number. This button can also be used to set the IP address, press the shortcut key IP direct dial call.



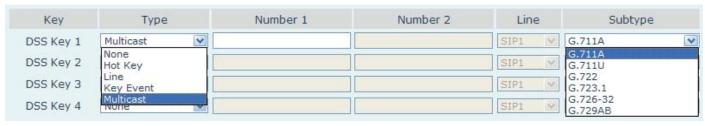
DSS key type	Number	Line	Subtype	Usage
Hot Key	Fill the called party's SIP account or address	The SIP account corresponding lines	Speed Dial	In Speed dial mode,  with Enable Speed Dial Enable Can define whether  this call is allowed to be hang up by re-press the speed dial
	auuress		Intercom	In Intercom mode, if the caller's IP phone support intercom feature, can realize auto answer



## Multicast Settings

Multicast function is launched will voice messages sent to set the multicast address, all equipment to monitor the group multicast address can receive sponsors speech information, etc. Using multicast functionality can be simple and convenient to send notice to each member in the multicast.

Through the DSS Key configuration multicast calling WEB is as follows:



DSS key type	Number	Subtype	Usage
Multicast	Set the host IP address and port number, the middle separated by a colon	G.711A	Narrowband speech coding (AKha)
		G.711U	Narrowband speech coding (4Khz)
		G.722	Wideband speech coding (7Khz)
		G.723.1	
		G.726-32	Narrowband speech coding (4Khz)
		G.729AB	

#### ♦ operation mechanism

Device through the DSS Key configuration of multicast address and port and started coding; set by WEB to monitor the multicast address and port; device sends a multicast, listens to the address of the device can receive the multicast content.

## 

The call is already exists, and three party or initiated multicast communication, so it will not be able to launch a new multicast call.



## b) DOOR PHONE



Field Name	Explanation	Initial Value	
EGS Settings			
	Monostable: there is only one fixed action status for door unlocking.		
Switch Mode	Bistable: there are two actions and statuses, door unlocking and	Monostable	
3witch wode	door locking. Each action might be triggered and changed to the		
	other status. After changed, the status would be kept.		
	Only password: password input only, dialing would be forbidden.		
	Password+dialing: password input is default. Dialing mode is as		
Koypad Modo	below if you want.	Decovered dielies	
Keypad Mode	<ul> <li>key for off hook to dialing mode, # key for hang up.</li> </ul>	Password+dialing	
	Time out or length match for number sending when dialing		
	mode. * Key to enter the dial, the # key to hang up.		
Switch-On	Door unlocking time for Monostable mode only. If the time is up,	5 seconds	
Duration	the door would be locked automatically.	5 seconds	
Talk Duration	The call will be ended automatically when time up.	120 seconds	
Remote	Demote deer unlecking necessard	*	
Password	Remote door unlocking password.		
Local	Local door unlocking password via keypad, the default password	6790	
Password	length is 4.	6789	
Description	Davisa description displayed on ID compling tool software	i23 IP door	
Description	Device description displayed on IP scanning tool software.	phone	



Field Name	Explanation	Initial Value
	Enable Access Table: enter <access code=""> for opening door during</access>	
Enable Access	calls.	Enable
Table	Disable Access Table: enter <remote password=""> for opening door</remote>	Lilable
	during calls.	
	<primary secondary="">mode allow system to call primary extension</primary>	
	first, if there were no answer, it would cancel the call and then call	
Hot Key Dialed	secondary extension automatically.	Primary
Mode	<day night="">mode allow system to check the calling time is belong to</day>	/secondary
Selection	Day or Night time, and then decide to call the number 1 or number 2	/ secondary
	automatically.	
	Users just press speed dial key once.	
Call Switched Time	The period between hot key dialing to the first and second number.	16 seconds
Day Start Time	The start time of the Day When you select <day night="">mode</day>	06:00
Day End Time	The end time of the day When you select <day night="">mode</day>	18:00
Address of Log	Language and decoration and a second	0.0.0.0
Server	Log server address(IP or domain name)	0.0.0.0
Port of Log	Log conver port/0 GEE2E)	514
Server	Log server port(0-65535)	514
Enable Log	Enable or disable to connect with log server	Disable
Server	Litable of disable to conflect with log server	Disable
Enable Indoor	Enable or disable to use indoor switch to unlock the door.	Enable
Open	Enable of disuble to use indoor switch to dinock the door.	Litable
Enable Card	Enable or disable card reader for RFID cards.	Enable
Reader	Enable of disuble cura reader for Kirib curas.	Litable
Limit Talk	If enabled, calls would be forced ended after talking time is up.	Enable
Duration	in chastes, cans would be forced ended after talking time is up.	LIIANIC
Door Unlock	Indication tone for door unlocked. There are 3 type of tone:	Long beeps
Indication	silent/short beeps/long beeps.	Long beeps
Remote Access	The remote access code length would be restricted with it. If the	
Code Check	input access code length is matched with it, system would check it	4
Length	immediately.	



Field Name	Explanation
Tamper Alarm S	ettings
Tamper Alarm	When the selection is enabled, the tamper detection enabled
Reset	Directly stop the alarm from equipment in the Webpage
Alarm	When detected someone tampering the equipment, will be sent alarm to the
command	corresponding server
Reset	When the equipment receives the command of reset from server, the equipment will
command	stop alarm
Server Address	Configure remote response server address
Tamper alarm	When the detected someone tampering the equipment, plays the corresponding
ring	ringtone or alarm

## c) DOOR CARD





Door Card		
Field Name	Explanation	
Door Card Table		
Index	The serial number of has been issuer cards.	
Name	The name of has been issuer cards.	
ID.	The card number of has been issuer cards.	
ID	(Note: The card is not registered in the remote access list is unable to open the door.)	
Issuing Date	The issuing date of has been issuer cards.	
Card State	To have been issuer cards the state.	
Delete	Click <delete>, will delete the door card list within the selected ID cards.</delete>	
Delete All	Click < Delete All>, to delete all door card lists.	
Export door	Right Click here to Save Door Card Table	
card table	Right-click it and select save target to your computer.	

#### **Add Door Card**

The input RFID card numbers the top 10, for example, 0004111806, click <add>.

#### **Import Door Card Table**

Click the <Browse> to choose to import door card list file (doorCard.csv), click <Update> can be batch import.

#### **Card Reader Setting**

Set ID card stats:

Normal: This is the work mode, after the slot card can to open the door.

Card Issuing: This is the issuing mode, after the slot card can to add ID cards.

Card Revoking: This is the revoking mode, after the slot card can to delete ID cards.

#### **Administrator Table**

The show admin card the ID, Date and Type.

#### **Add Administrator**

ID: admin card the card number.

Type: Issuer and Revoking.

Entrance guard in normal state, brush card(issuing card) entrance guard into the issuing state, and then brush to add a card, the card is added to the database, add swipe again after card(issuing card) entrance guard returned to normal. Delete card operation and issuing card the same.

Can release at most 10 cards, 500 copies of ordinary cards.

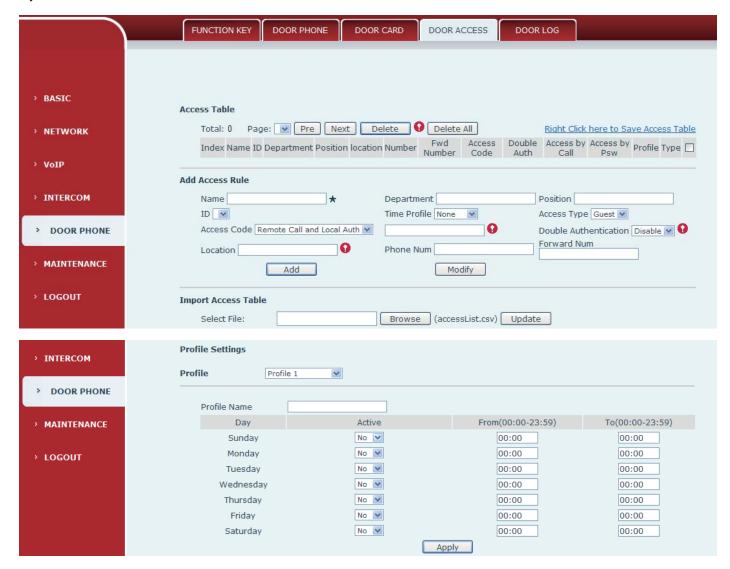
Note: in the issuing state to delete brush card is invalid, and vice versa.

#### **Delete Administrator**

Choose to delete the card number, then press <delete>.



## d) DOOR ACCESS





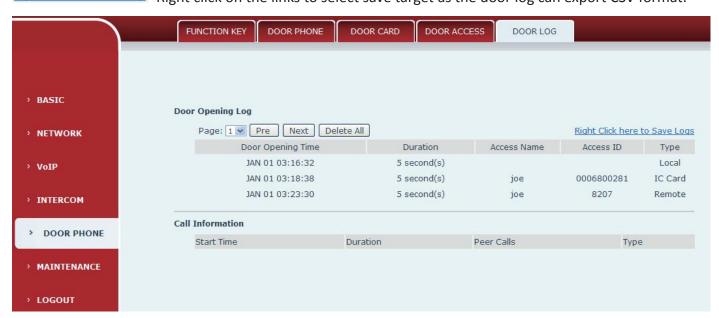
Field Name	Explanation			
Access Table				
According to entra	According to entrance guard access rules have been added, can choose single or multiple rules on this list			
to delete operation	to delete operation.			
Add Access Rule				
Name(necessary)	User name			
Department	Card holder's department			
Position	Card holder's position			
ID	RFID card number			
Time Profile	Valid for user access rules (including RFID, access code, etc) within corresponding time section. If NONE is selected, it would be taken effect all day.			
	Host: the door phone would answer all call automatically.			
Access Type	Guest: the door phone would be ringing for incoming call, if the auto answer had been disabled.			
	1/ When the door phone has been answering the call from below <phone num=""> user,</phone>			
Access Code	then the <phone num=""> user can input the access code by keypad to unlock the door</phone>			
Access code	remotely.			
	2/ The user's private password for local door unlocking by door phone's keypad.			
Double	When enabled, private password inputting and RFID reading must be matched			
Authentication	simultaneously for door unlocking.			
Location	Virtual extension number, used to make position call instead of real number.			
Location	It might be taken with unit number, or room number.			
Phone Num	User Phone Number			
Forward Num	Call forwarding number when above Phone Num is unavailable.			
Import Access Tab	le			
Click the <browse< td=""><td>&gt; to choose to import remote access list file (access List.csv) and then click <update></update></td></browse<>	> to choose to import remote access list file (access List.csv) and then click <update></update>			
can be batch impo	rt remote access rule.			
Profile Settings				
Time profile	There are 4 sections for time profile configuration			
sections	There are 4 sections for time profile configuration			
Profile Name	The name of profile to help administrator to remember the time definition			
Active	If it were yes, the time profile would be taken effect. Other time section not included			
ACTIVE	in the profiles would not allow users to open door			
From	The start time of section			
То	The end time of section			



## e) DOOR LOG

According to open event log, can record up to 2 w open event, after more than cover the old records.

Right Click here to Save Logs Right click on the links to select save target as the door log can export CSV format.

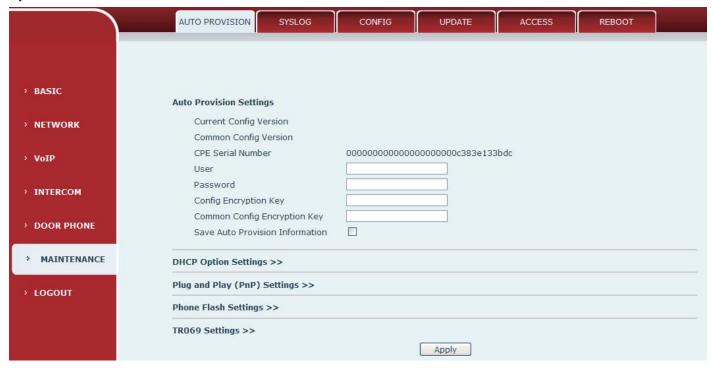


Field Name	Explanation		
Door Opening Lo	Door Opening Log		
Door Opening	Open the door of time.		
Time	Open the door or time.		
Duration	Duration of open the door.		
Access Name	If is the open the door for slot card or remote, will display remote access the name.		
	1. If open the door way to brush card shows card number		
Access ID	2. If the door way to open the door for the remote display the phone number of the		
Access ID	door.		
	3. If open the door way to open the door for local, no display information.		
Туре	Open type: 1. local, 2. Remote, 3. Brush card.		
Call Information			
Display device call records. Including: start time, duration, call number and call type.			



## (6) MAINTENANCE

## a) AUTO PROVISION



The equipment supports PnP, DHCP, and Phone Flash to obtain configuration parameters. They will be queried in the following order when the equipment boots.

DHCP option  $\rightarrow$  PnP server  $\rightarrow$ Phone Flash

Field Name	Explanation		
Auto Provision Se	Auto Provision Settings		
	Show the current config file's version. If the version of configuration downloaded is		
Current Config	higher than this, the configuration will be upgraded. If the endpoints confirm the		
Version	configuration by the Digest method, the configuration will not be upgraded unless it		
	differs from the current configuration		
	Show the common config file's version. If the configuration downloaded and this		
Common Config	configuration is the same, the auto provision will stop. If the endpoints confirm the		
Version	configuration by the Digest method, the configuration will not be upgraded unless it		
	differs from the current configuration.		
CPE Serial	Carial number of the aguinment		
Number	Serial number of the equipment		
Lloor	Username for configuration server. Used for FTP/HTTP/HTTPS. If this is blank the		
User	phone will use anonymous		
Password	Password for configuration server. Used for FTP/HTTP/HTTPS.		

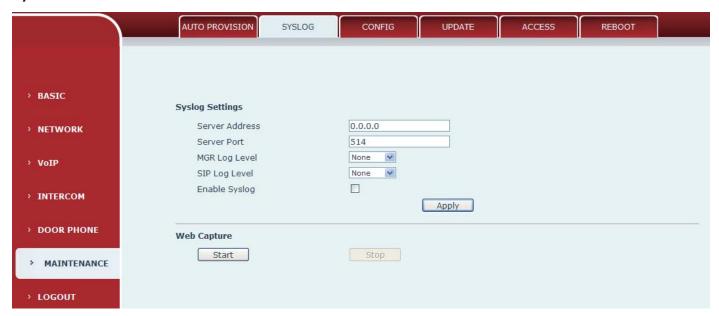


Field Name	Explanation	
Config		
Encryption Key	Encryption key for the configuration file	
Common Config		
Encryption Key	Encryption key for common configuration file	
Save Auto		
Provision	Save the auto provision username and password in the phone until the server url	
Information	changes	
<b>DHCP Option Sett</b>	ings	
DHCP Option	The equipment supports configuration from Option 43, Option 66, or a Custom DHCP	
Setting	option. It may also be disabled.	
Custom DHCP	Custom antian number Must be from 120 to 254	
Option	Custom option number. Must be from 128 to 254.	
Plug and Play (P	nP) Settings	
	If this is enabled, the equipment will send SIP SUBSCRIBE messages to a multicast	
Enable PnP	address when it boots up. Any SIP server understanding that message will reply with a	
Ellable Plip	SIP NOTIFY message containing the Auto Provisioning Server URL where the phones	
	can request their configuration.	
PnP server	PnP Server Address	
PnP port	PnP Server Port	
PnP Transport	PnP Transfer protocol – UDP or TCP	
PnP Interval	Interval time for querying PnP server. Default is 1 hour.	
Phone Flash Settings		
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.	
Config File	Specify configuration file name. The equipment will use its MAC ID as the config file	
Name	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 – no update	
Update Mode	2. Update after reboot – update only after reboot.	
	3. Update at time interval – update at periodic update interval	



Field Name	Explanation
TR069 Settings	
Enable TR069	Enable/Disable TR069 configuration
ACS Server Type	Select Common or CTC ACS Server Type.
ACS Server URL	ACS Server URL.
ACS User	User name for ACS.
ACS Password	ACS Password.
TR069 Auto Login	Enable/Disable TR069 Auto Login.
"Inform" Sending Period	Time between transmissions of "Inform" Unit is seconds.

## b) SYSLOG



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 will be written into a log by rules which the administrator has configured.

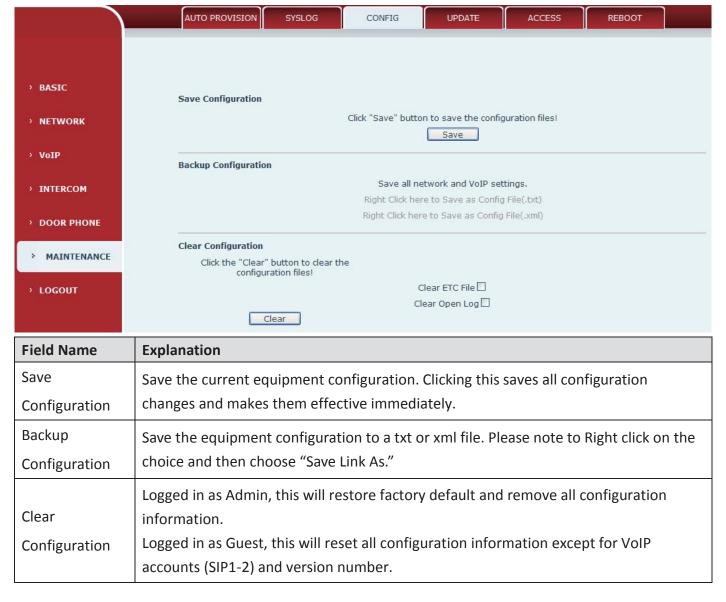
There are 8 levels of debug information.

- 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 the normal but significant condition.
- Level 6: Informational; It is the normal daily messages.
- Level 7: debug; Debug messages normally used by system designer. This level can only be displayed via telnet.



Field Name	Explanation	
System log setting	System log settings	
Server Address	System log server IP address.	
Server port	System log server port.	
MGR log level	Set the level of MGR log.	
SIP log level	Set the level of SIP log.	
Enable syslog	Enable or disable system log.	
Web Capture		
Ctart	Capture a packet stream from the equipment. This is normally used to troubleshoot	
Start	problems.	
Stop	Stop capturing the packet stream	

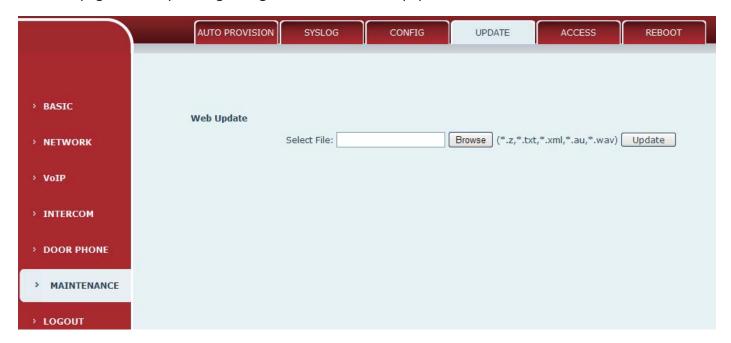
## c) CONFIG





## d) UPDATE

This page allows uploading configuration files to the equipment.



Field Name	Explanation
Web Update	Browse to the config file, and press Update to load it to the equipment. Various types of files can be loaded here including firmware, ring tones, local phonebook and config files in either text or xml format.



## e) ACCESS

Through this page, user can add or remove users depends on their needs and can modify existing user permission.



Field Name	Explanation
<b>User Settings</b>	
User	shows the current user name
User level	Show the user level; admin user can modify the configuration. General user can only
Oser level	read the configuration.
Add User	
User	Set User Account name
Password	Set the password
Confirm	Confirm the password
There are two levels. Root user can modify the configuration. General user	
Oser level	read the configuration.
User Management	

## f) REBOOT

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

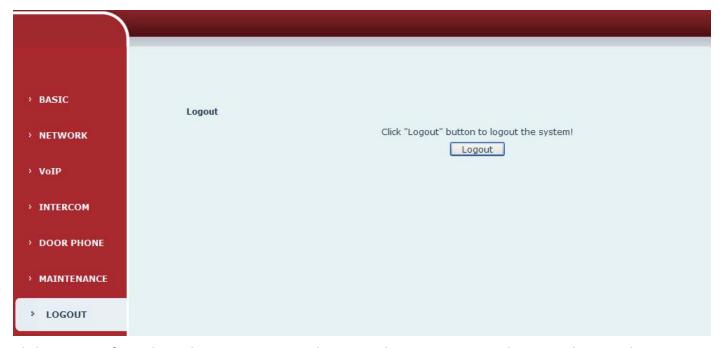
Select the account and click Modify to modify the selected account. Click Delete to delete the selected

Note: Be sure to save the configuration before rebooting.

account. A General user can only add another General user.



# (7) LOGOUT



Click <Logout> from the web to exit.Users need to enter their user name and password again when visit next time.



# E. Appendix

# 1. Technical parameters

Communicati	on protocol	SIP 2.0(RFC-3261)
Main chipset		Broadcom
	DSS key materials	Stainless steel
Key	DSS Key	1
	Numeric keyboard	Support
	Audio amplifier	2.4W
	Volume control	Adjustable
Connect floor	Full duplex	Cura ant (AEC)
Speech flow	speakerphone	Support (AEC)
	Protocols	RTP
	Decoding	G.729、G.723、G.711、G.722、G.726
	Passive switch(relay)	Normally open/Normally close, support 30V/1A AC/DC.
	<b>Active Switched Output</b>	12V/750mA DC
Port	External speakers	Audio output (only support to fully functional version)
	WAN	10/100BASE-TX s Auto-MDIX, RJ-45
	LAN	10/100BASE-TX s Auto-MDIX, RJ-45
		EM4100 (125Khz)
RFID/IC card	reader(relay)	MIFARE One(13.56Mhz)
		NFC
Power supply	mode	12V / 1A DC or PoE
Cables		CAT5 or better
Shell Material		Cast aluminium panel, Cast aluminium back shell
Working temperature		-40°C to 70°C
Working humidity		10% - 90%
Storage temperature		-40°C to 70°C
Installation way		Wall mounted or In-wall
Dimension		Wall mounted: 225*131*73.5mm
		In-wall: 270*150*83mm



## 2. Basic functions

- 2 SIP Lines
- PoE Enabled
- Full-duplex speakerphone (HF)
- Numeric keypad (Dial pad or Password input)
- Intelligent DSS Keys (Speed Dial/intercom etc)
- Wall mounted / In-wall
- Special integrated noise reduction module
- Dual microphone Omnidirectional voice pickup
- Integrated RFID Card reader
- 1 indoor switch interface
- 1 electric lock relay
- Anti-tamper switch
- External power supply
- Door phone: call, password, RFID card, indoor switch
- Protection level: IP65, IK10, CE/FCC

## 3. Schematic diagram





## F. Other instructions

## 1. Open door modes

## Local control

### 1) Local Password

- ♦ Set <Local Password> (the password is "6789" by default) via DOOR PHONE\DOOR PHONE as above.
- ♦ Input password via keypad and press the "#" key, then the door will be unlocked.

#### 2) Private access code

- ♦ Set <Add Access Rule\Access Code> and enable local authentication.
- ❖ Input access code via keypad and press the "#" key, then the door will be unlocked.

#### Remote control

## 1) Visitors call the owner

- ❖ Visitors can call the owner via position speed dial or phone number. (After setting the speed dial key, visitors can press it to call direct.)
- ♦ The owner answers the call and presses the "\*" key to unlock the door for visitors.

#### 2) Owner calls visitors

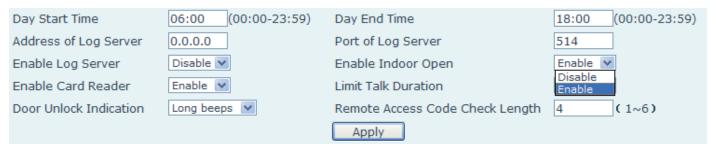
- ♦ Owner calls visitors via SIP phone.
- ♦ SIP door phone answers the call automatically.
- ♦ Owner inputs corresponding <Access codes> via SIP phone keypad to unlock the door.

## Swip cards

♦ Use pre-assigned RFID cards to unlock the door, by touching RFID area of the device.

## Indoor switch

Press indoor switch, which is installed and connected with the device, to unlock the door.





## 2. Management of card

## Add Administrator

There are 2 types of Administrator cards: issuer used for adding cards, revocation used for deleting cards.

## 1) Add<Issuer admin card>

Input a card's ID, selected <Issuer> in the types and Clicked <Add>, you can add Issuer admin card.

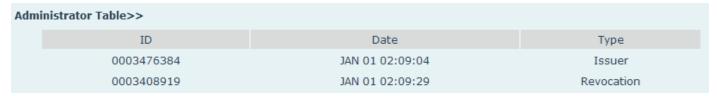
Add Administrator>>		
ID	0003476384	Add
Туре	Issuer	

#### 2) Add<Revocation admin card>

Input a card's ID, selected <Revocation> in the types and Clicked <Add>, you can add Revocation admin card.

Add Administrator>>			
ID	0003408919	Add	
Type	Revocation 💌		

## 3) Administrator Table



#### Delete Administrator

Select the admin card of need to delete, click < Delete >.

Delete Administrator>>	
0006892245 💌	Delete

#### Add user cards

Method 1: used to add cards for starters typically

1) In web page < Door card\Card Reader Setting> option, select < Card Issuing> function.



2) Click <Apply>, Card Reader would be entered the issuing status.





- 3) Use new card to touch card reader induction area, and then you might hear the confirmed indication tone from the device. Repeat step 3 to add more cards.
- 4) In web page <Door card\card reader Settings > option, select <normal> function.



- 5) Click <Apply>, Card Reader would be back to the Normal status.
- 6) The issuing records can be found from the door card table list.

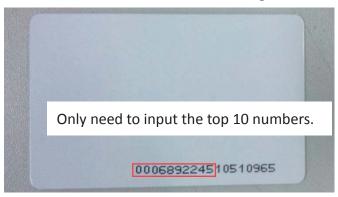


#### Methods 2: use to add few cards

1) Input cards number in door card settings page, and then click <Add>.



Note: you can also use the USB card reader connected with PC to get cards ID automatically.



## Method 3: used to add cards for professionals

- 1) Use < Issuer admin card > to touch card reader induction area, and it would be entered issuing card status.
- 2) Use new card to touch card reader induction area, and you might hear the confirmed indication tone from the device. Repeat step 2 to add more cards.
- 3) Use <lssuer admin card> to touch card reader induction area again, it would be back to normal working status.



#### Delete user cards

Method 1: used to batch delete cards for starters.

1) In web page <Door card →Card Reader Setting> option, select <Card revoking>.



2) Click <Apply>, Card Reader would be entered the revoking status.



- 3) Use card to touch card reader induction area, and you might hear the card reader confirmed indication tone. Repeat step 3 to delete more cards.
- 4) In web page <Door card →card reader Settings >option, select <normal>.



5) Click < Apply>, Card Reader would be back to the Normal status.

Method 2: used to batch add cards for intermediates.

- 1) Use < Revocation admin card> to touch card reader induction area, and it would be entered revoking card status.
- 2) Use the cards you want to delete from system, to touch card reader induction area, and you might hear the card reader confirmed indication tone. Repeat step 2 to delete cards.
- 3) Use <Revocation admin card> to touch card reader induction area, and it would be back to card read only status.

Method 3: use to bulk delete or partially delete card records

1) In web page<Door Card Table>select the card ID and then click <Apply>.

**Note:** If you click <Delete All>, system will delete all the ID card records.

