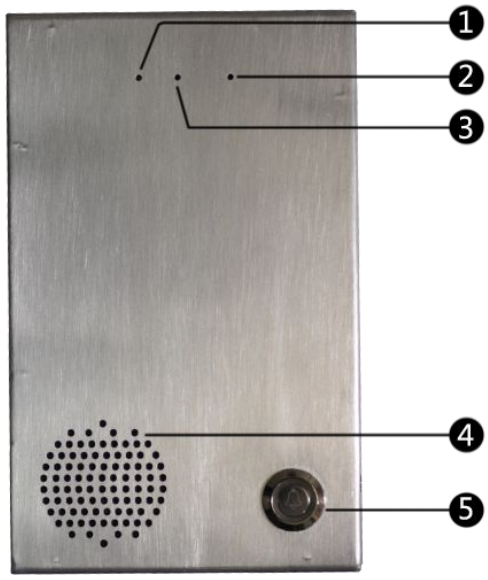
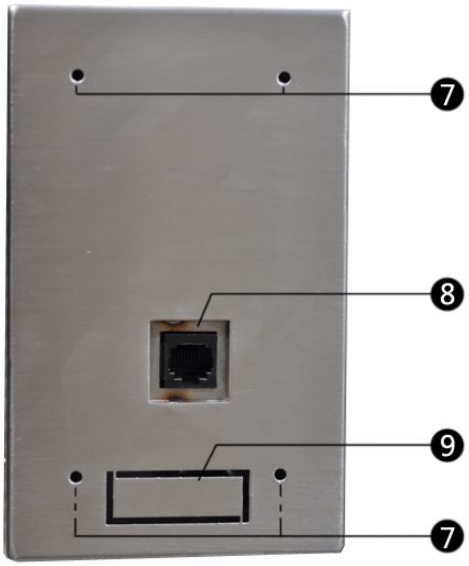
Q502 SIP Door Phone

Administrator Guide

NiteRay Electronic Co. Limited

Quick Specification

Hardware Description:

Front	Back
	

1	Indicator	Flash while powering up, Lights up during conversation
2	Broadcast	Use stick to press and hold for 5 seconds,Door phone will broadcast the IP address.
3	Mic	Microphone
4	Speaker	Water proof Speaker
5	Bell button	Bell button/DSS key
6	-	-
7	Mounting hole	Mounting hole for hardware installation
8	Network interface	RJ 45 Network interface
9	Wire in hole	Knock off this sheet to let Door lock cable in

Features:

- Stainless steel case.
- Metal wire drawing process face plate.
- Waterproof Speaker and bell key.
- Relay to connect to door lock , NO/NC relay mode.
- Relay time adjustable.
- Use SIP protocol, Easy to deploy.
- Directly call to preset telephone.
- Volume control.
- Hight quality conversation voice.
- Full Duplex intercom.
- Auto Answer , Auto hand down.
- Powerful Web management.
- Auto Provision via FTP,TFTP.

Accessories:

	Adapter AC input 100-240V,50/60 Hz DC output 12V 1.5A Plug 5.5*2.5MM,length 10.5mm Inside positive Cable length 1900mm
	CAT5 Ethernet cable Compatible with IEEE 802.3af 48V PoE standard
	Security screw and driver

Data Sheet:

Ethernet Port	10/100mbps
Protocol	SIP
Power	PoE IEEE 802.3af, 48V Adapter:12V1A
Network	Static IP, DHCP, PPPoE, VPN(L2TP/OpenVPN), NAT,STUN, VLAN
Audio Codec	G.711A/U, G.722, G.723.1, G.726-32, G.729AB
Operation Conditions	0~40 ℃
Relative humidity	20%-85%, non-condensing
Dimensions (mm)	27 *100*160
Weight(Main Body)	471g
Packing weight	1KG
Relay	NO and NC
Mounting hole pitch	Horizontal: 60mm; Perpendicular: 115mm

Log in

The door phone has a web manage interface, all configurations will be set on it. (Remark:The default network mode of the door phone is DHCP, if you are using Stitac IP or PPPoE in your system, you could connect it to a DHCP server/router to set the network firstly and set the network and other configurations, then plug it into your current system.)

1. Get the door phones IP

There 2 ways to get the IP address of the door phone:

A.Log in your Router/DHCP server and see in DHCP client list, you would find the door phone in the list. The mac ID label on the main board would help to find it easier.

B. Press the '②' key and hold for over 5 seconds, the door phone will broadcast the IP address automatically.

2. Log in

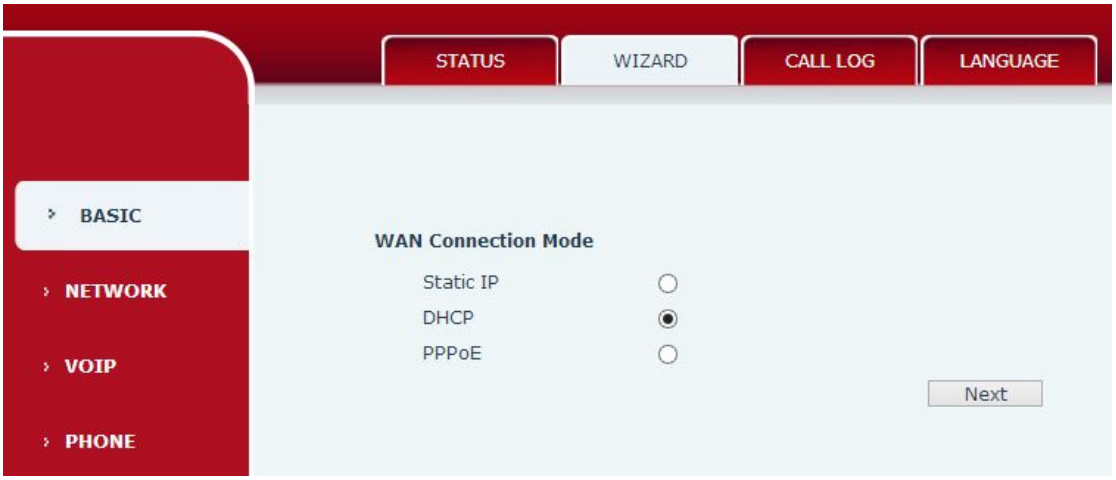
On the web browser, fill in the IP address and press enter, the page will turn to the door phone's manage interface.

Log in with user name :admin ;

Password:admin .

Quick set up with wizard

You could set up the door phone with the wizard, it will help you to set the door phone up step by step.

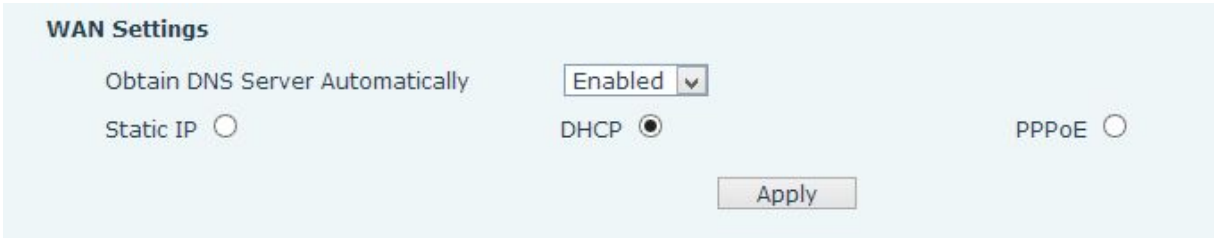


Network settings

In Network tab, WAN tab, you could set up the network settings of the door phone, select the suitable one according to you network condition. Click 'Apply' after change the values.

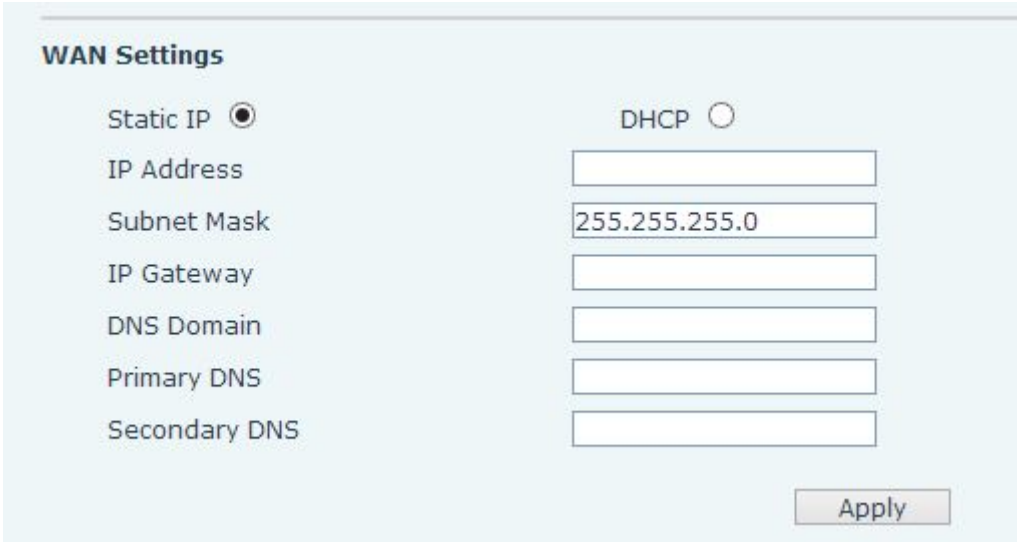
1. DHCP:

Default mode of the door phone network is DHCP, the door phone will get IP address from your router automatically.



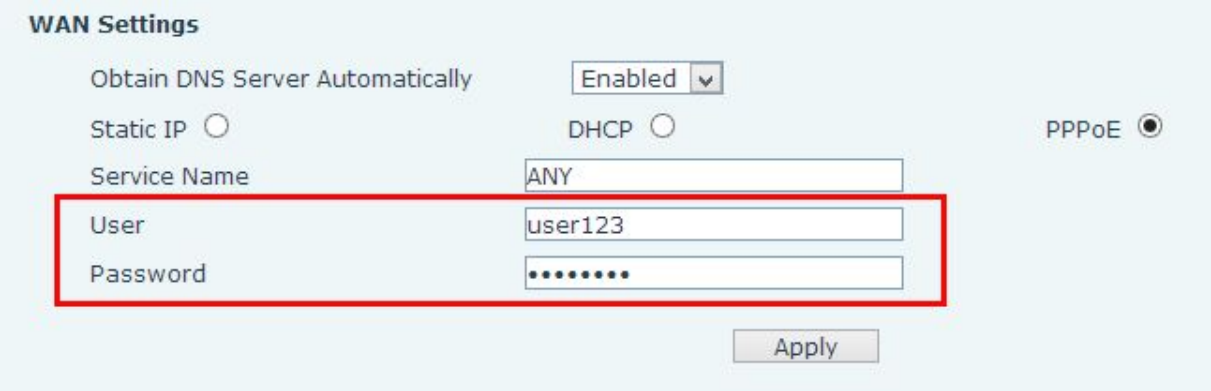
2. Static IP:

Set up the Static IP Address, please fill the form as your network administrator requires.



3. PPPoE:

Set up the PPPoE register informations, please note that, the User and password are the account and password your ISP provide to you.

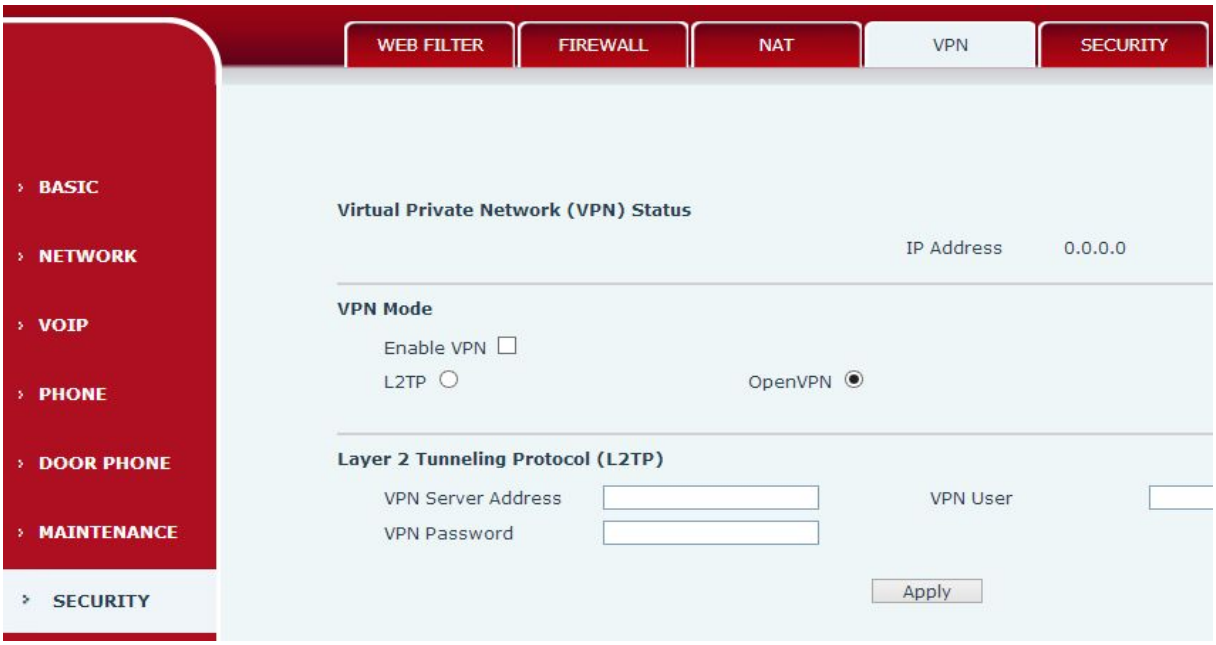


4. Proxy:

In some network conditions, you might need to set up the Proxy or using a VPN. For Proxy please refer to "VoIP settings", you could set up the proxy details in the VoIP basic setting form.

5. VPN (virtual private network):

In 'SECURITY'->VPN tab, Enable VPN, and select the right VPN protocol you are currently using, fill in the your VPN server address, user , password and then click 'Apply'.

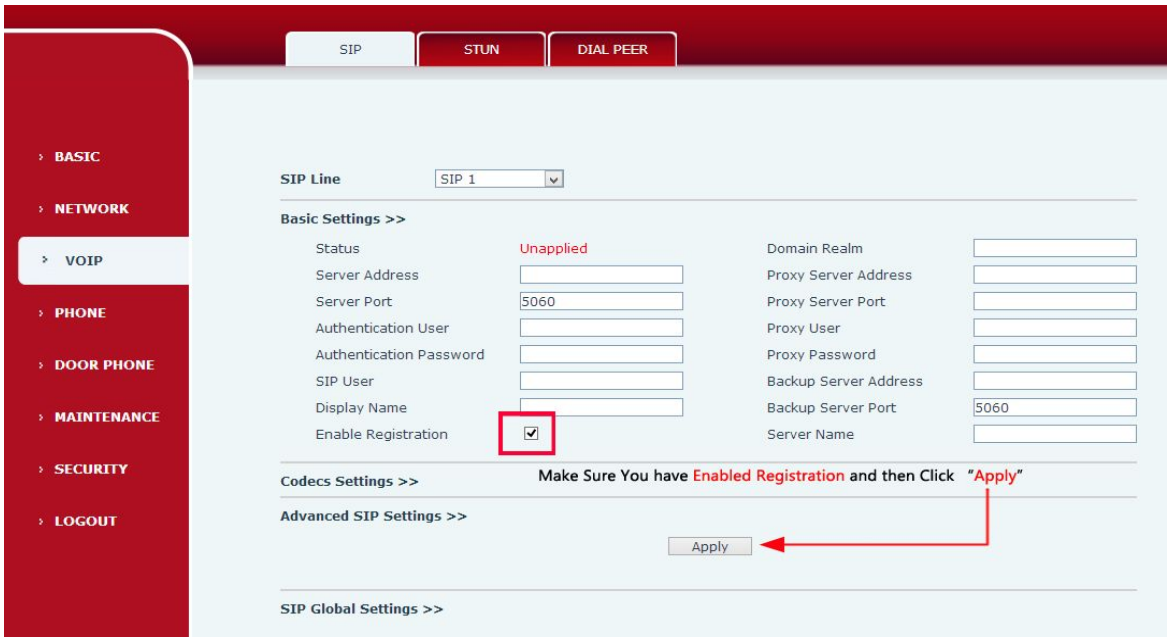


VoIP settings

1.Basic settings:

a) Fill in the Registration information in the left part of the form, select 'Enable Registration' and then click'Apply'

b) If you need to use a proxy server, please fill the proxy information in the right part of the form.

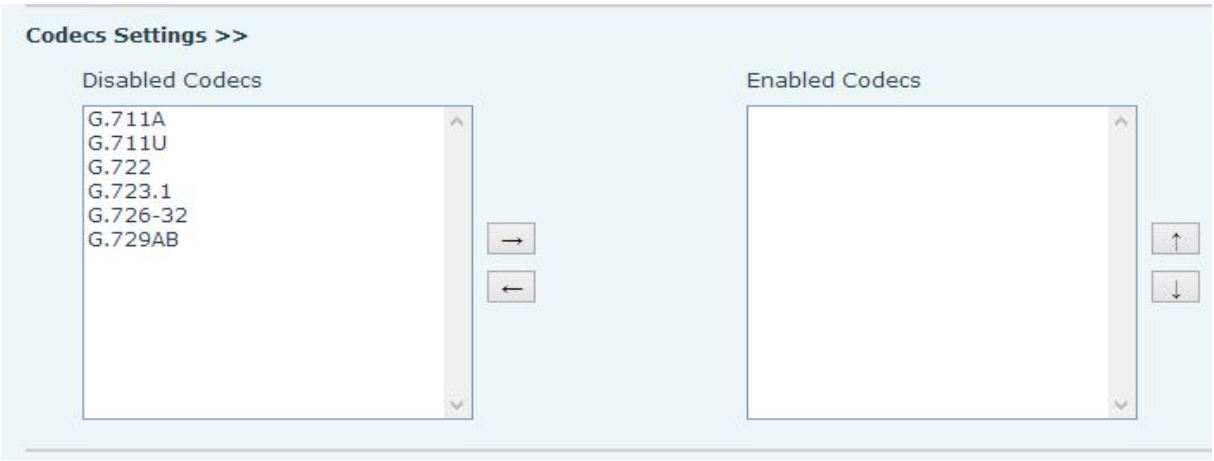


2.Codec settings

Normally you do not need to set the codecs, the phone will use a suitable one. But for some reasons, like network bandwidth limit, or SIP server requirement, you could set this up accordingly.

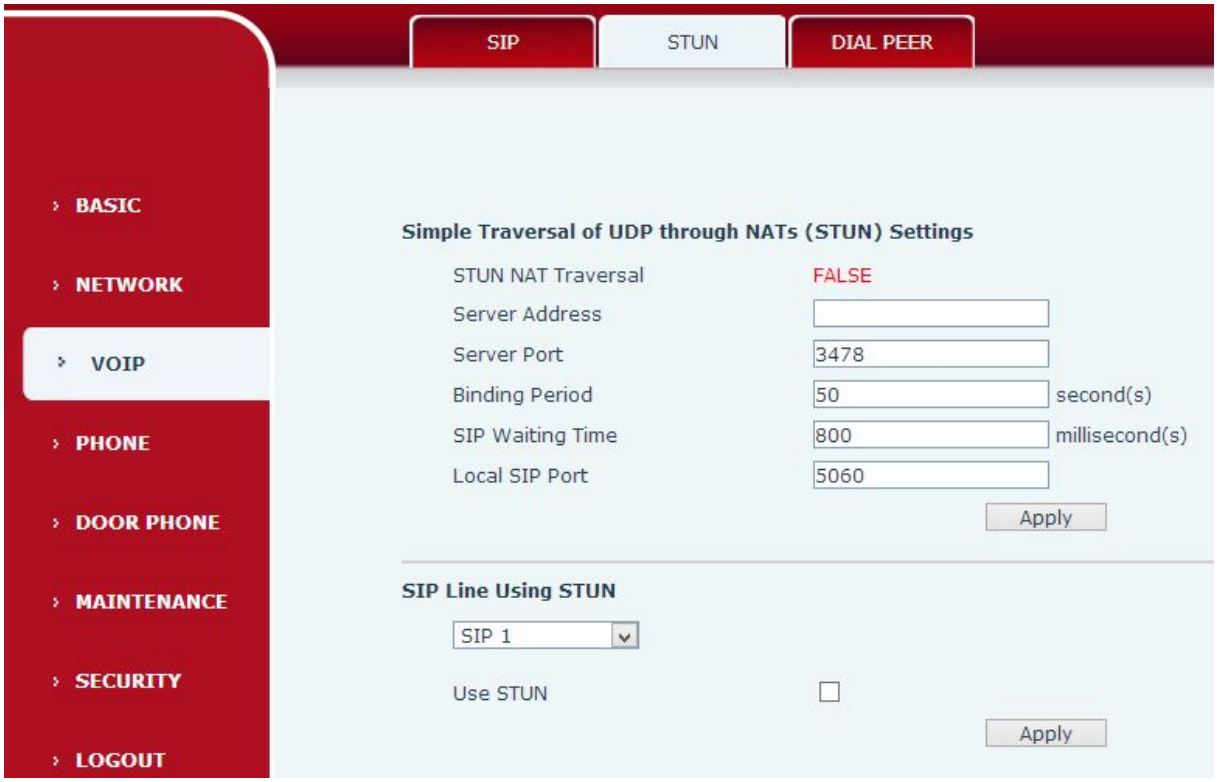
Select a codec,use → to add to enable list, use ← to remove.

Use ↑ and ↓ to adjust the codec list.Click 'Apply'.



3. STUN

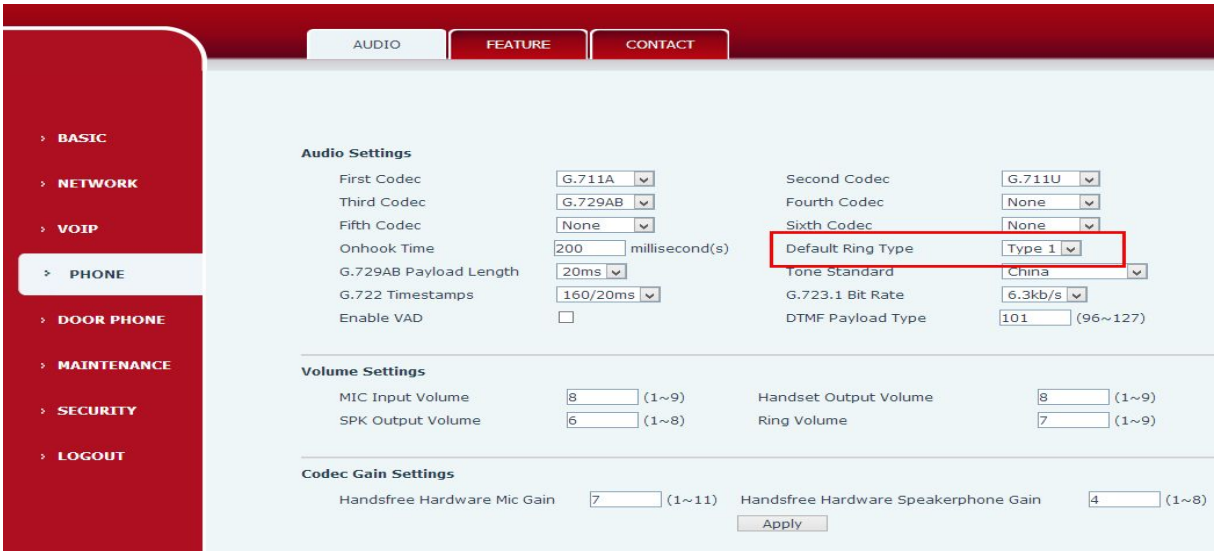
You could set up STUN if your server request.



Phone settings:

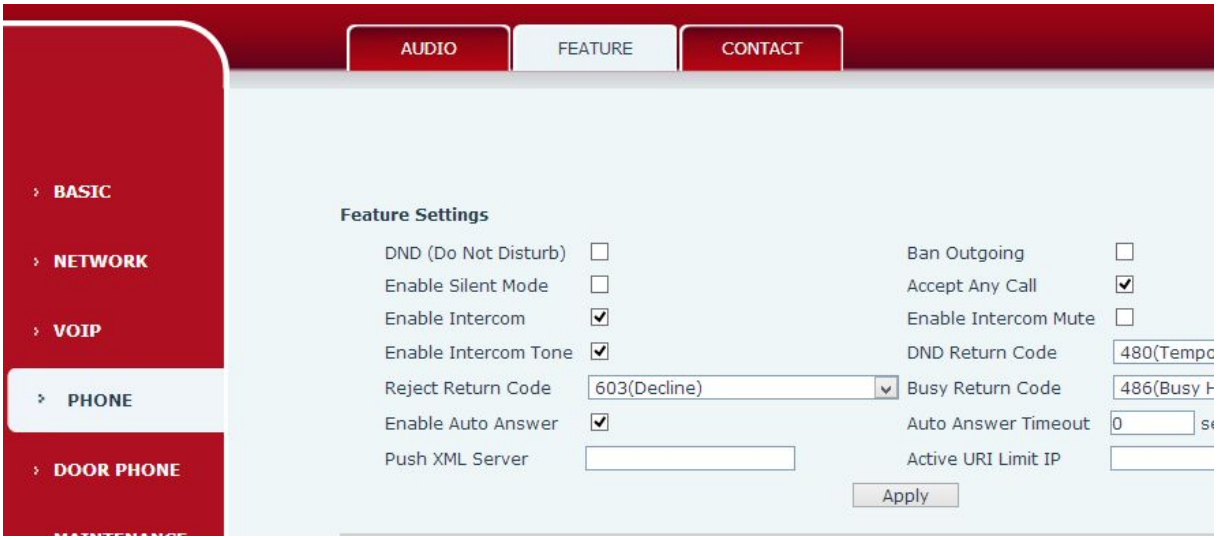
1. Audio settings

a) Set the codec sequence
b) Set the door phone ring type
c) Set the mic input and speaker output volume
d) Set the Codec hardware gain if the sound is low



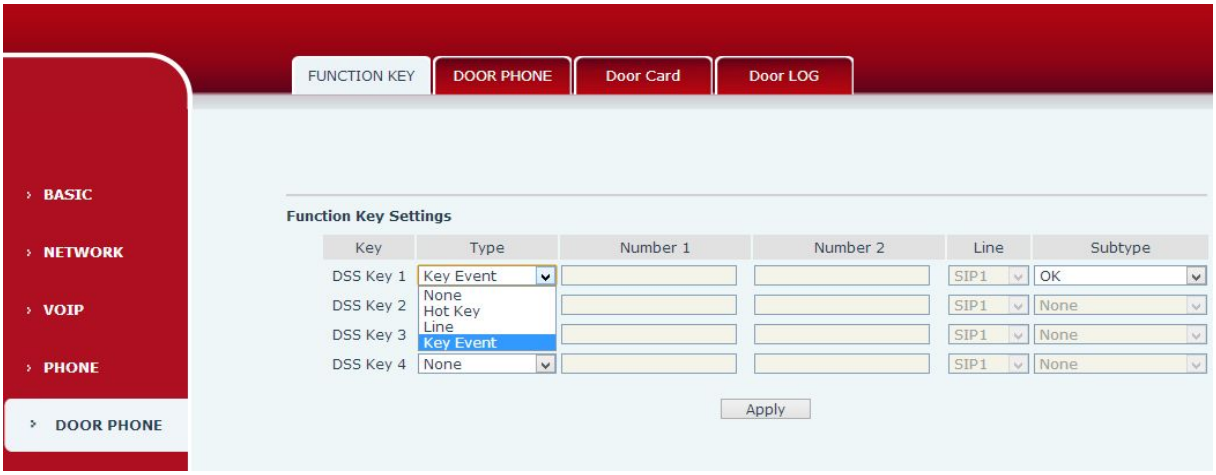
2. Feature settings

The door phone is set to Auto answer, when you have incoming call to this door phone, it will answer the call automatically, if you do prefer to answer the call by hand, please deselect 'Enable Auto Answer'



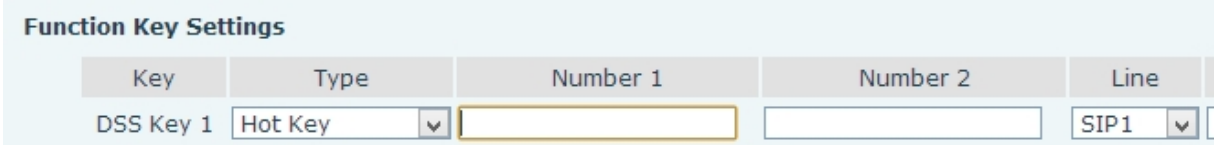
Door phone settings

1.**Function Key** setting tab is to set up the Bell button function.

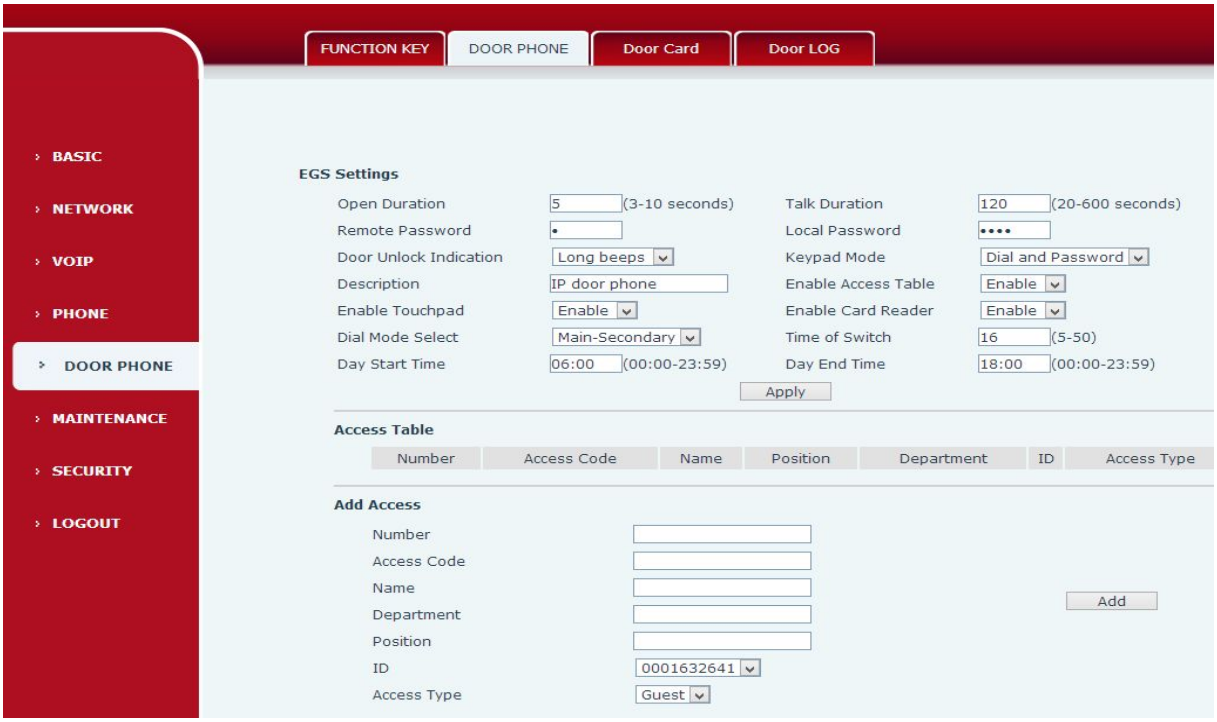


A. If you need to use the keypad to entry a phone number and call out, please set the DSS key 1 to 'Key Event', Sub type select 'OK", then click 'Apply'.

B. If you need the bell button use as a bell key, when people press on it,the door phone will directly call to a phone/ring group/intercom group, please set the DSS Key 1 to Hot key mode, then fill Number 1 with the phone number, then click 'Apply'.



2. Door phone settings



Open Duration:	This allows to set the relay switch time from 3-10 seconds.	
Talk Duration:	When the conversation time reaches this value, the door phone hand down the call, this will help to avoid people forgetting to hand down the phone and keeping the line busy.	
Remote password:	Able to set up a 1-6 digits password, when the door phone call to other phones, people can entry this password to open the door on the other phone.	
Local password:	1-6 digits, Use this password to open the door on the door phone’s touch keypad.	
Door Unlock Indication:	This Set different sound type when the local password entry is right.	
Keypad Mode:	Select to choose different mode: password only; Dial and password.	
Enable/Disable Access Table:	When switch to Disable, Calls from other phones to the door phone to open door, (the cards will still be usable)	
Enable/Disable Card reader:	When switch to Disable, The RFID card will stop working, not able to use ID card to open door.	
Access table:	Access table allows to add access authorization and manage them in one form, Phones in this table will be able to call to the door phone and open the door.	
	Number:	Telephone number
	Access code:	People should entry this code to open the door, when they use their phones make the call to the door phone.
	Name/Department /Position:	Please fill accordingly, or just leave blank
	ID:	RFID card number,NOT available on this model
	Access management:	Select a Access number to modify or delete.

Hardware installation

We recommend you to test the functions and debug before install the hardware into the final position.
Steps to install the hardware:
1. Release the screw and open the door phone case.
2. Arrange the mounting base board suitable for the dimension of the door phone, Details as below:

3. If you need to connect to the door lock ,or using the DC adapter not PoE,please knock off the small sheet near the bottom.
4. Let the Relay wire and DC adapter cable through the hole near the bottom. The CAT 5 cable through the network interface hole.
5. Install the back sheet on the mounting base with 4 screws.
6. Connect the Power wire / lock relay, and plug the CAT5 network cable onto the RJ45 port. Diagram as below:
7. Install the main body to the base, use the security screw driver to drive the screw in as below: