PLANET
Networking & Communication

User's Manual

1080p SIP Vandalproof Door Phone with RFID and PoE

HDP-1260PT

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Federal Communication Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

FCC Caution

To assure continued compliance, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)

This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

WEEE Regulation

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

Revision

User's Manual of 1080p SIP Vandalproof Door Phone with RFID and PoE
Model: HDP-1260PT
Rev: 1.00 (April, 2022)
Part No. EM-HDP-1260PT_v1.0

Table of Contents

Chapter 1. Product Introduction

1.1 Package Contents

The package should contain the following:

- 1 x HDP-1260PT
- 1 x Quick Installation Guide
- 1 x Screw Kit
- 1 x RFID Card

Note	If any of the above items are missing, please contact your seller immediately.

1.2 Overview

Security is Ensured with PLANET Video Door Phone

PLANET HDP-1260PT Vandalproof Video Door Phone is designed for offices, homes and other purposes that need a visitor's identification for the sake of security. With its high-quality audio and video, the identification and voice of the visitor can be clearly seen and heard once the visitor press the call button of the door phone. The HDP-1260PT works like an intercom. As its name implies, it is vandalproof and has a video feature.

It supports the standard IETF SIP protocol and **ONVIF** protocol for easy operation and interfaces with the VoIP and IP surveillance world in an instant it connects you with. It delivers excellent picture quality in **1080p** HD resolutions with a viewing angle of **80° (H)**, **60° (V)**. The door phone has infrared night vision that can capture any

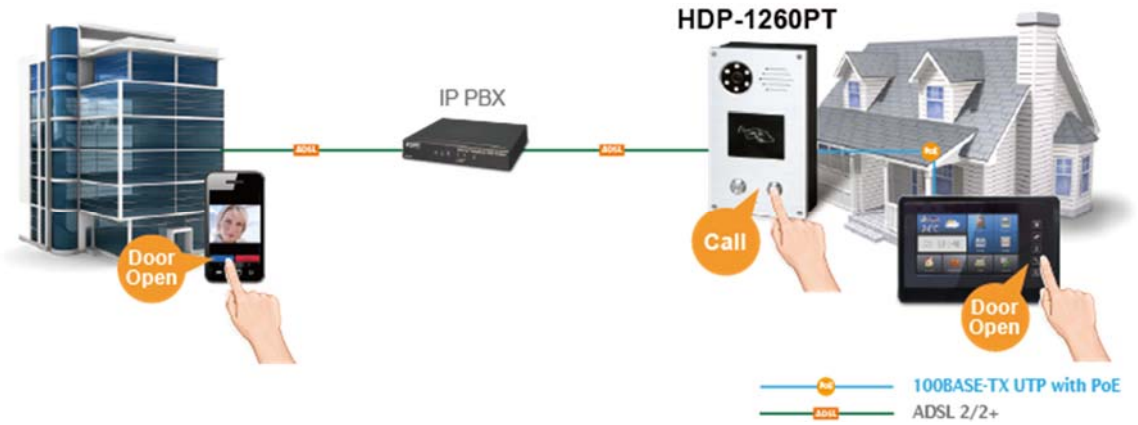
unusual activity in low light. It also supports HD voice and **G.722** codec that relax bandwidth limitation and provide clear communications.

With dual DSS key button and the RFID system, it offers the users keyless control and convenience for opening the door without a key. The door can be opened remotely and also with a local IC/ID card if it is an electronic door lock.

It provides the flexibility and control required for high-quality visitor management, property protection, intercom, and message service.

Easy Communication via Intercom

The two-way intercom function provided by the HDP-1260PT allows you to see the visitors and also communicate with them. The HDP-1260PT includes 2 short-in detect port and 2 short-out control port for connecting with external devices such as door lock or door sensors. When the visitors press the call button at your door, you can press the unlock button on your mobile phone or SIP Indoor Touch Screen PoE Video Intercom to open the door for your visitors.

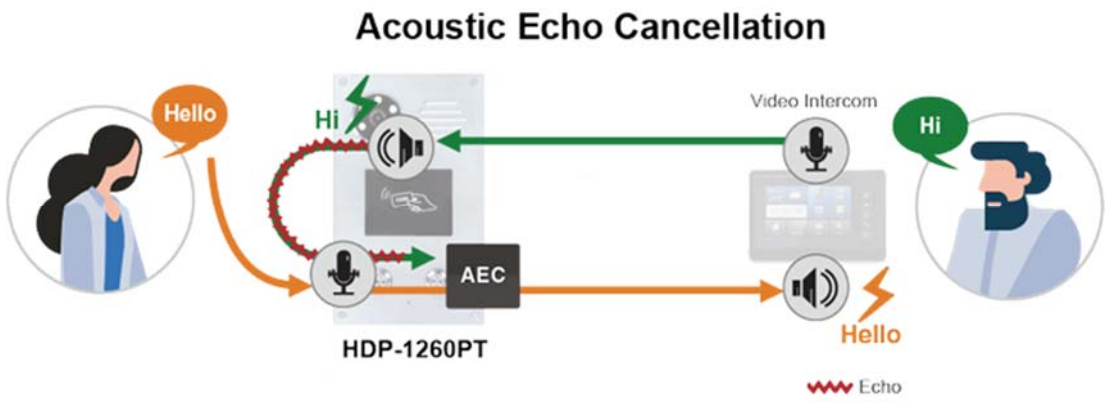


A Door Guard for Extreme Conditions

The HDP-1260PT is an extremely durable IP intercom that can withstand even the most demanding conditions. Its Industrial design supports **-20 to 70** degrees C operating temperature, and resilience to dust, water (**IP65**) and vandalism (**IK10**) to ensure maximum security.

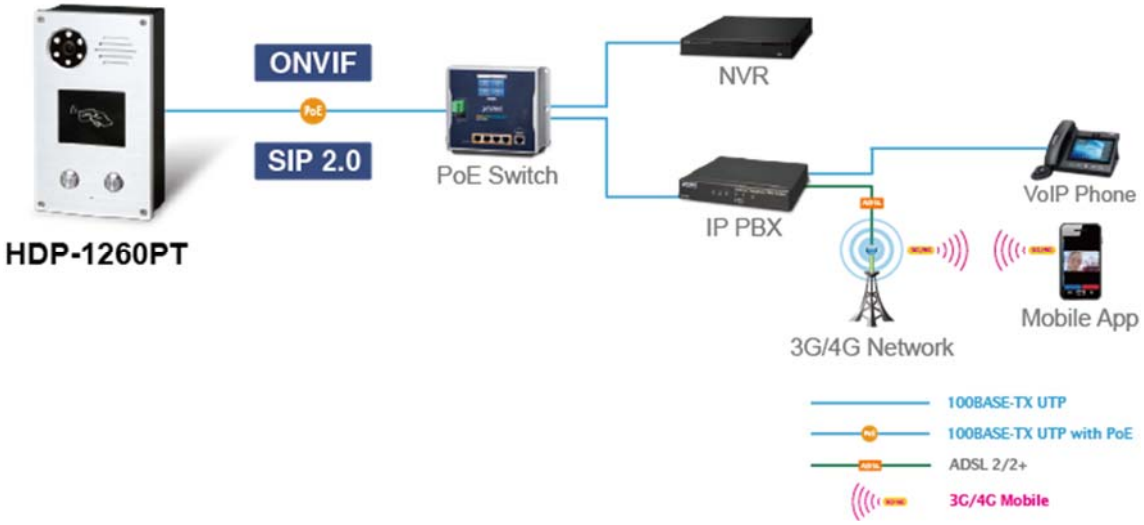
AEC (Acoustic Echo Cancellation)

Acoustic Echo Cancellation (AEC) technology is adopted in PLANET's HDP-1260PT Door Phone and SIP Indoor Touch Screen PoE Video Intercom to enable users to minimize the voice/sound signal distortion shown in the diagram below, thus guaranteeing the best-in-class sound quality.



Standard Protocol Compliance

The HDP-1260PT supports IETF Session Initiation Protocol 2.0 (RFC 3261) and ONVIF protocol for easy integration with general voice over IP system and video management system. The IP PBX/NVR device is able to broadly interoperate with equipment provided by VoIP/IP surveillance infrastructure providers, thus enabling them to provide their customers with better multimedia exchange services.



1.3 Specifications

Product	HDP-1260PT
Access Control	
Door Access	Dual SIP line, Dual SIP servers DTMF tones, RFID card
Door Phone Features	Full-duplex Default auto answer Action URL/Active URI remote control Speed dial
Video	
Image Device	3M pixels color CMOS camera
Maximum Image Transfer Rate	1080p at 25fps
Video Codec	H.264
Resolution	1920 x 1080
Viewing Angle	80° (H), 60° (V)
Minimum Illumination	0.1Lux with infrared illumination
IR Illuminations	IR LED x 4, effective up to 10 meters *The IR distance is based on the environment.
Audio	
Audio Streaming	HD voice Two-way audio stream
Microphone	Built-in microphone and speaker input
Narrowband Codec	PCMA, PCMU, G.729, G723_53, G723_63, G726_32 Wideband Codec: G.722
DTMF	In-band, Out of Band DTMF (RFC2833) and SIP INFO
Audio Output	Acoustic Echo Cancellation (AEC) audio output
Audio Features	Voice Activity Detection (VAD) Comfort Noise Generation (CNG) Acoustic Echo Cancellation with G.168

Protocol and Security	
Protocols	SIP v1 (RFC2543), v2 (RFC3261) SIP over TLS, SRTP Onvif TCP/IPv4/IPV6/UDP RTP/RTCP, RFC2198, 1889 HTTP/HTTPS/FTP/TFTP ARP/RARP/ICMP/NTP DNS SRV/ A Query/NATPR Query Primary /Secondary DNS STUN, Session timer 802.1p/q, DSCP,802.1x **DTMF Mode:** In-Band, RFC2833 and SIP Info
Security	Network access authority authentication: 802.1x Web Filter, Transport Layer Security (TLS) Secure Real-time Transport Protocol (SRTP) NAT traversal: STUN mode HTTP/HTTPS web server, HTTPS certificate manager
Network and Provisioning	
Network Interface	1 x 10/100BASE-TX RJ45 Ethernet interface, auto-MDIX
IP Configuration	Static/DHCP/PPPoE
Deployment/Maintenance	**Auto provisioning:** FTP/TFTP/HTTP/HTTPS/PnP HTTP/HTTPS Web Management Configuration keypad-based management SNMP/TR069 NTP/Daylight Saving Time Configuration backup/restore Firmware Upgrade via Web Syslog
Physical Interface	
Keypad	2 DSS button (speed dial button)
Power Requirements	Power over Ethernet (IEEE 802.3af/at), class 3 and DC12V
Net Weight	755g
Dimensions (W x D x H)	120 x 38 x 200 mm
Emission	CE, FCC

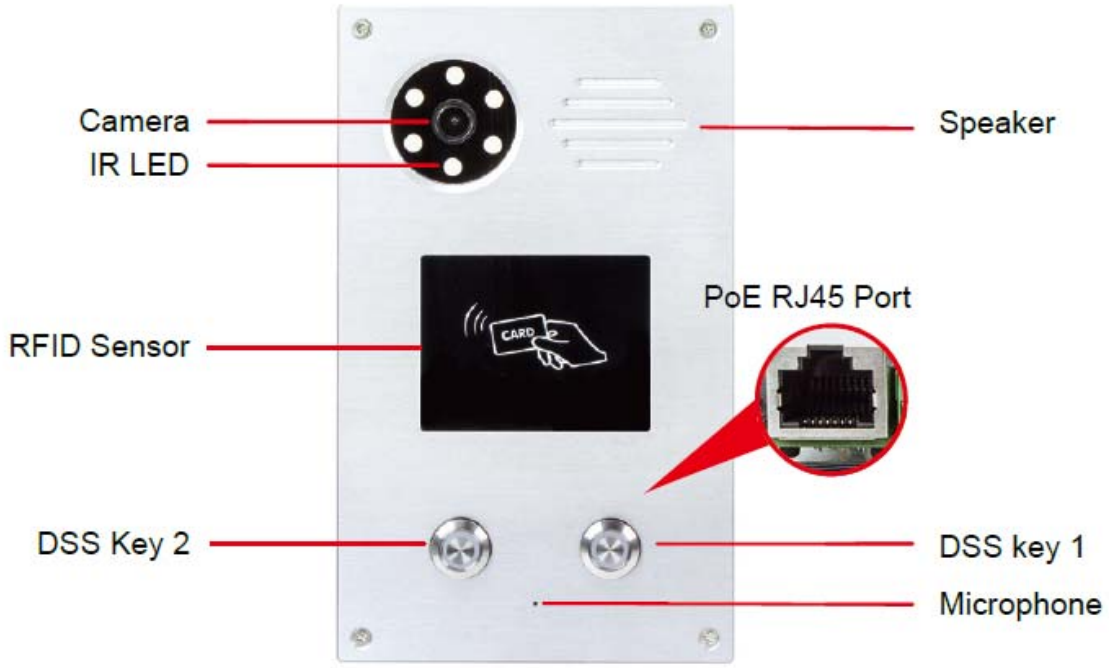
Connectors	1 100M/10M RJ45 Ethernet 1 Ethernet camera interface, supporting H264/H265 2 delay output 2 sensor short circuit input 2 exit buttons 1 recording output 1 8Ω speaker 1 analog audio output 1 external audio input 1 mic 1 tamperproof detection 1 Wiegand card reader 1 RS232 2 DSS keys
Installation	Wall-mount type
External Power Supply	DC 12V, 1A
Environments	
Operating Temperature	-20~70°C
Storage Temperature	-40~70°C
Operating Humidity	10~90% (non-condensing)

Chapter 2. Hardware Interface

2.1 Physical Descriptions

Product Dimensions (W x D x H)	120 x 38 x 200 mm
Net Weight	755g

Front Panel



Number	Interface	Description
1	IR LED	The door phone provides 4 IR LEDs for clear image in low light condition.
2	Camera	The door phone has a built-in IP camera supporting a high-resolution video of up to 1920 x 1080 pixels.
3	Speaker	The door phone has a built-in speaker for convenient communication and alert use.
4	RFID Sensor	Use the corresponding RFID door card to open the door by swiping the card. With one beep sound, the door is opened.
5	DSS Key 1	Press the Direct Station Selection key to check who the caller is before opening the doors, or talking to him/her. (Function can be set by user.)

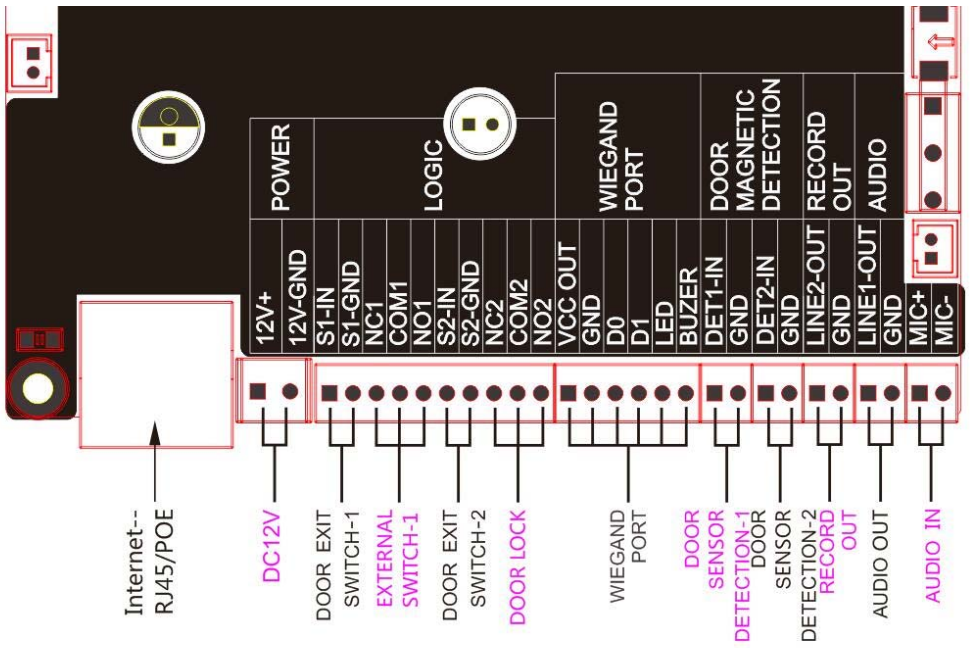
6	**DSS Key 2**	Press the Direct Station Selection key to check who the caller is before opening the doors, or talking to him/her. (Function can be set by user.)
7	**Mic**	The door phone has a built-in microphone hidden in the pinhole located on the front panel.

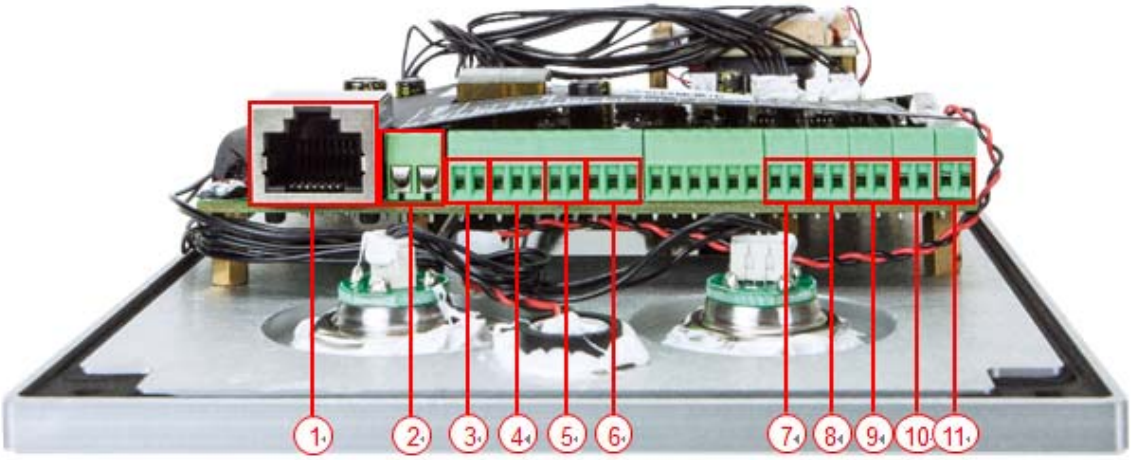
Function Key LED State

Type	LED	State
DSS Key (Speed dial button)	**Normally On**	Successfully registered

I/O Control Description

Open the rear case of the device and find a row of terminal blocks for connecting the power supply, electric lock control, etc. The connections are shown in the table below:





Number	Description	Wiring Port Description (example above)
1	Ethernet interface: Standard RJ45 interface, 10/100M adaptive; it is recommended to use Cat 5e of cable	Internet RJ45/PoE
2	Power interface: DC 12V,1A input	Left: 12V+ Right: 12V-GND
3, 5	Two groups of short-circuit input detection interfaces: For connecting switches, infrared probes, door magnets, vibration sensors and other input devices	Left: IN Right: GND
4 ,6	Two groups of short-circuit output control interface: Used to control electric locks, alarms, etc.	Left (NC): Normally Close Contact Center (COM): Common Contact Right (NO): Normally Open Contact
7, 8	Door Sensor Detection: Two groups of gate door magnetic detection	Left: DET-In Right: GND
9	Record Out interface: Mix the device and the sound of the far-end call. One is the recording signal line, and the other is the ground line. (Please be sure to ground the line, otherwise there will be noise.)	Left: Line2-OUT Right: GND
10	Audio Out interface: External active speakers for audio power amplification. One is the audio signal line, and the other is the ground line. (Please be sure to ground the line, otherwise there will be noise.)	Left: Line1-OUT Right: GND
11	MIC In interface: Mix the device and the sound of the far-end call. One is the MIC signal line, and the other is the ground line.	Left: MIC+ Right: MIC-

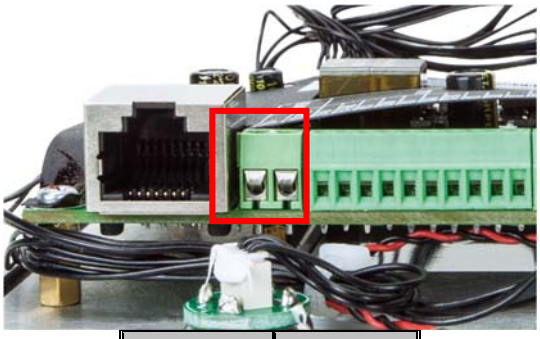
	(Please be sure to ground the line, otherwise there will be noise.)	

Note

The HDP-1260PT requires either IEEE 802.3af/at PoE or DC Power from the power connector.

Power Connector

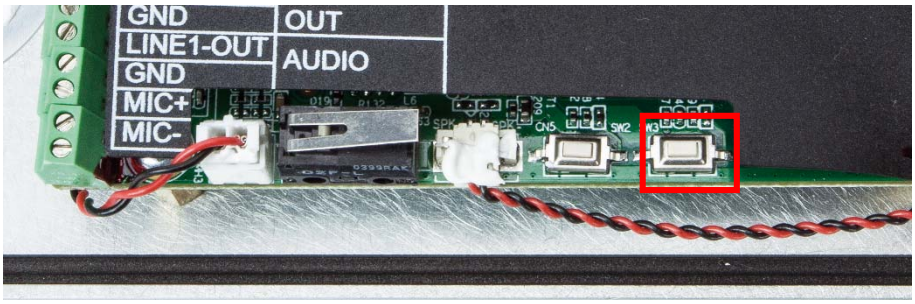
The picture shows the two-pin connector that comes with the system power source of DV 12V, 1A (maximum for the two-pin connector).



1	2
+12V DC	GND

Reset to Factory Default

Press and hold the button key for 9 seconds. The HDP-1260PT will reset to factory default setting.



2.2 Hardware Installation

Wall mounting steps:

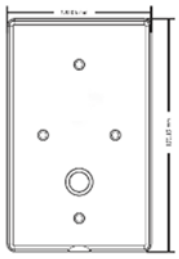
A. Use the given screw tool to remove the cover.

B. Place the back cover on the wall and mark the four holes on the wall with a pencil.

C. Drill the marked four holes, place the back cover on the wall, and slightly hammer the plastic anchors through the four holes.

D. Get the power cord and network cable connected, and secure it tightly with the screws

A



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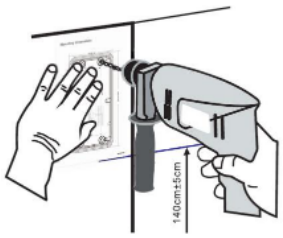

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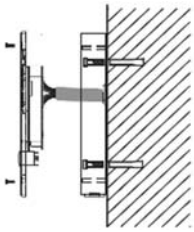


D

Caution	**While drilling or fixing the HDP-1160PT, hold it tight or else it may drop and accidentally hurt the installer.**

2.3 Searching Door Phone

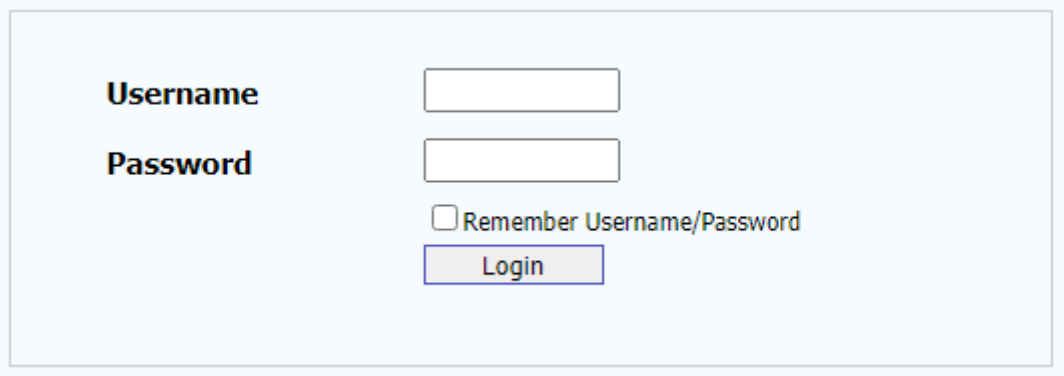
The methods below show how to search the HDP-1260PT.

Press and hold the DSS key for **10 seconds**. When the speaker beeps rapidly, press the DSS key again quickly. When the beep stops, the intercom will report the IP address by voice.

Logging in Web UI interface:

Input IP address (e.g.**http://172.16.0.1**) into the address bar of PC's web browser.

The default user name is **admin** and password is **123**.



Default Setting	
Default IP Address	**172.16.0.1**
Default Web Port	80
Default Login User Name	**admin**
Default Login Password	**123**
Report IP address	Hold the DSS1 key for 10 seconds to report IP address by voice

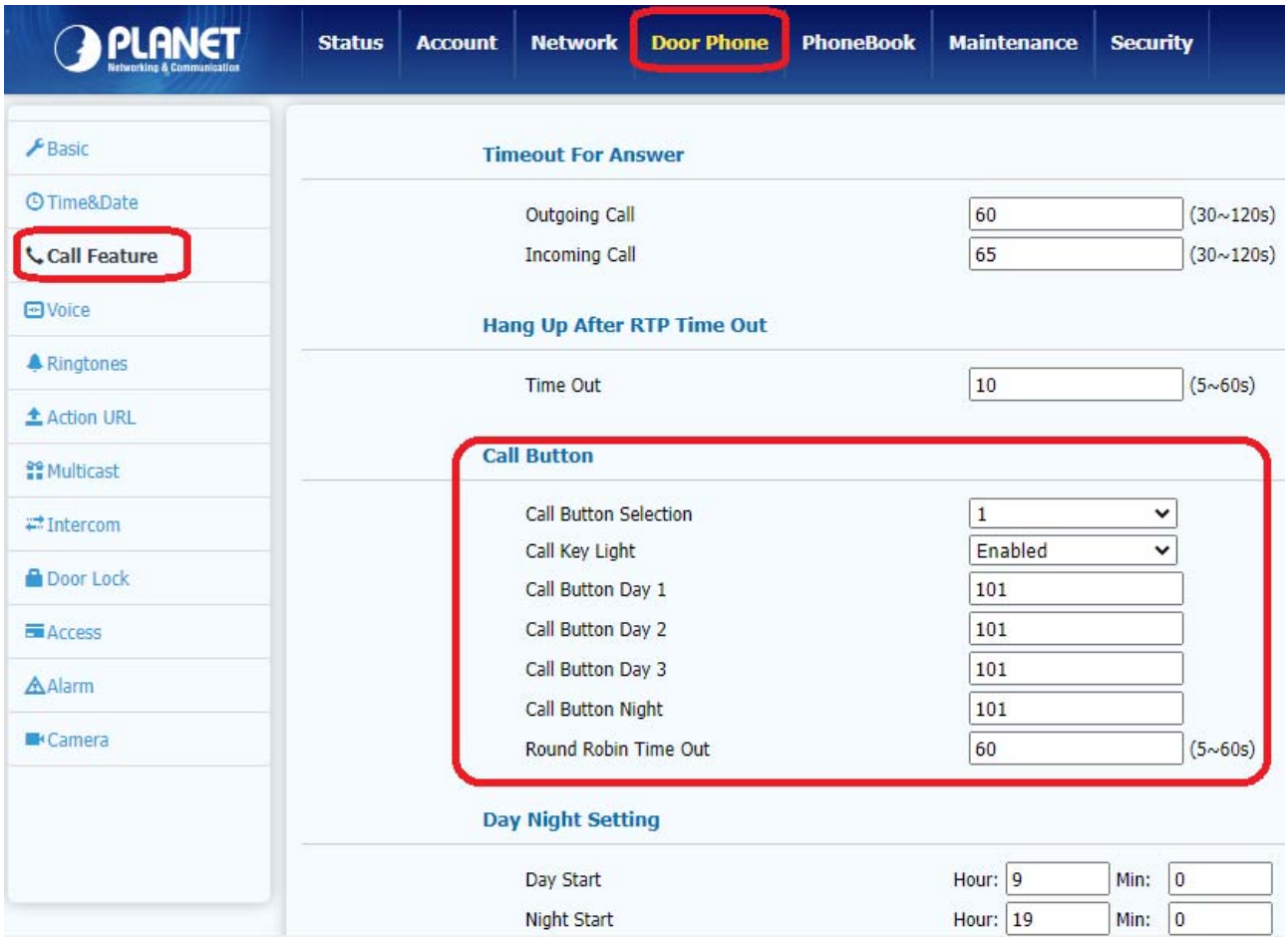
Chapter 3. Features

3.1 Dial

3.1.1 One touch dial

Click "Door Phone-Call feature" in the left navigation bar to enter the phone configuration. In the “Call Button Selection” item, you can set 2 call buttons. Each button can set 4 commonly used indoor unit numbers, of which “Call Button Day 1 ~ 3” is the outgoing number during the day, and Call Button Night is the outgoing number at night. The number is a one-touch dial button. The "Dial" button of the HDP-1260PT phone can be directly pressed to dial the number. Round Robin Time Out is the time-out period. If the number you have been calling is timed out and does not answer, the door phone will automatically dial the next number (Call Button Night number at night). In Day Night Setting, you can configure the day and night start time to determine the number dialed at the current time;

Click on Submit Button.



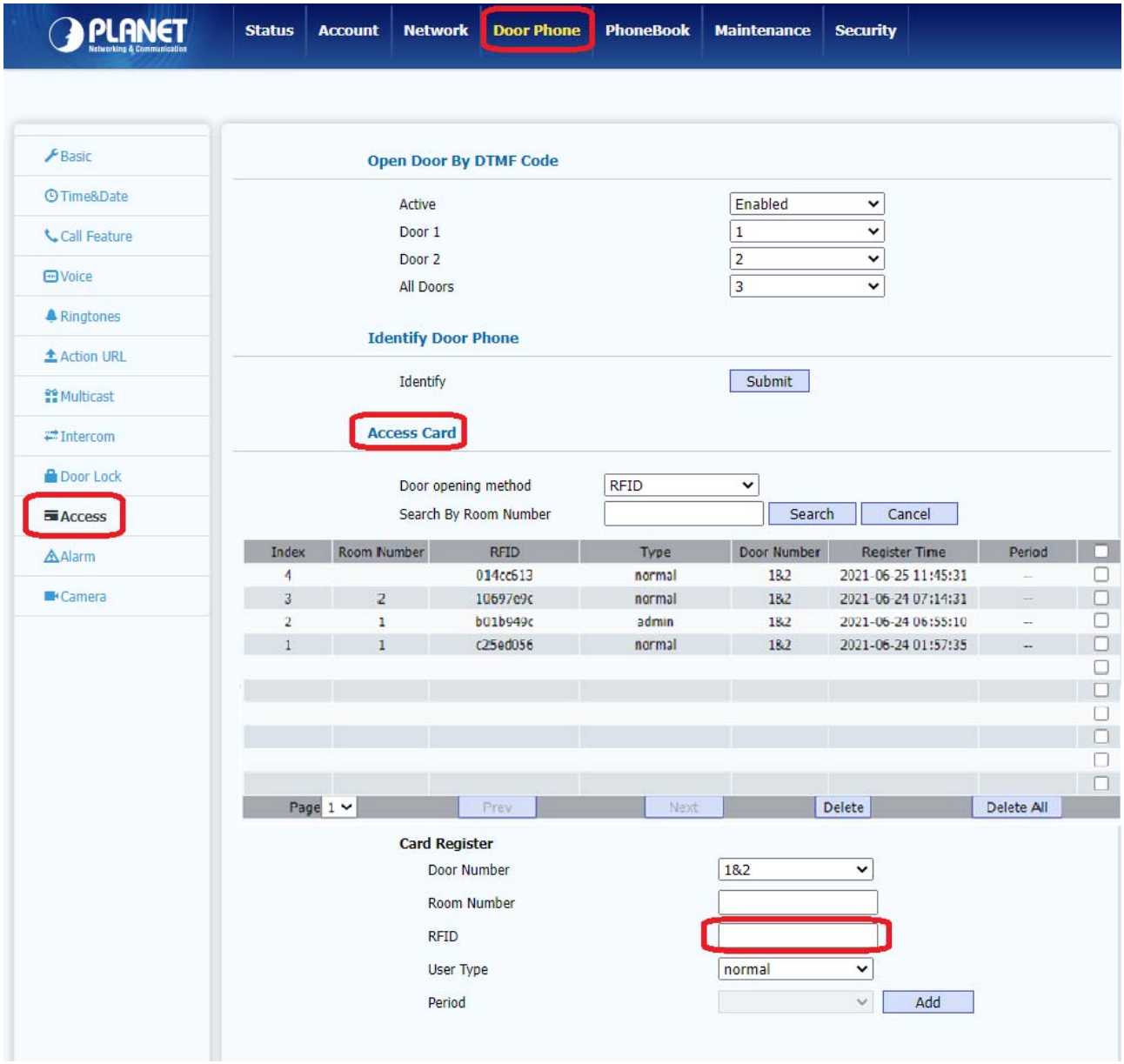
3.1.2 Number dialing

Enter an existing SIP / IP account and press the dial key.

3.2 Swipe

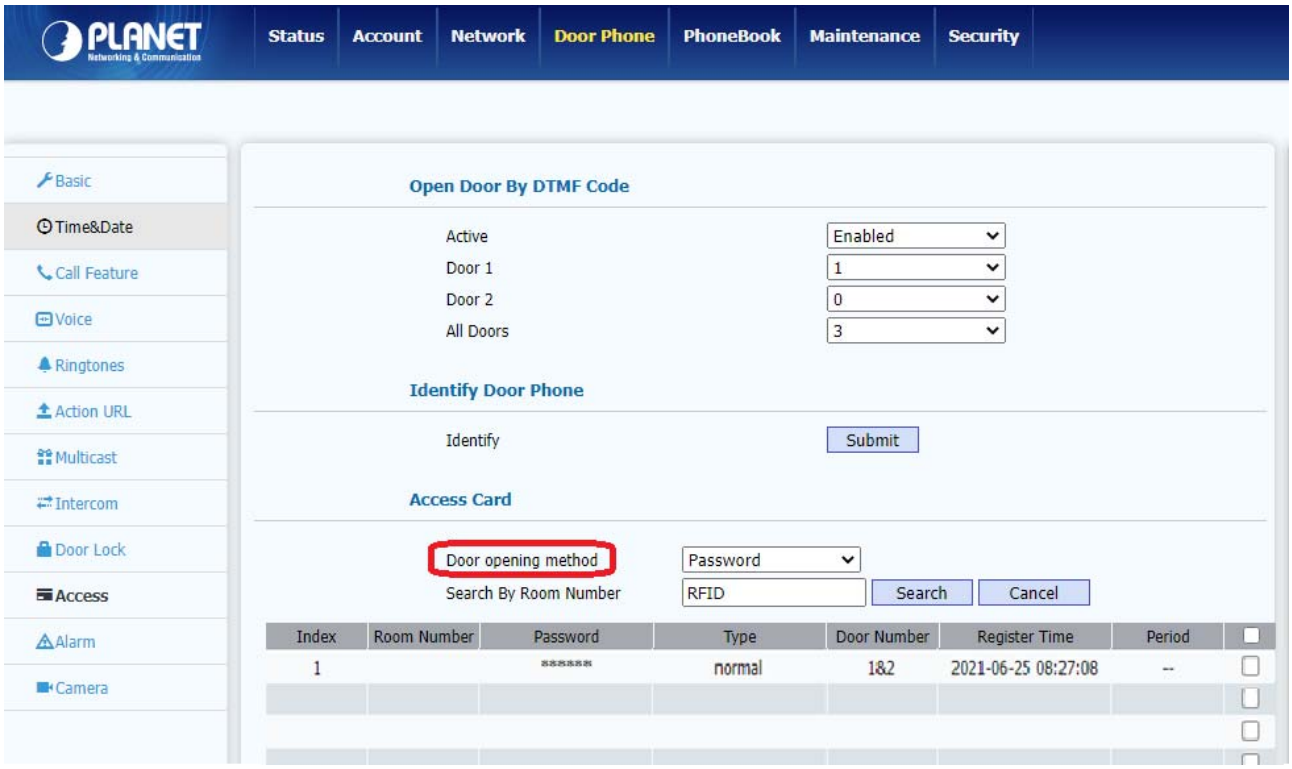
Click “Door Phone - Access”. In the “Access Card” items, swipe a new card to the HDP-1260PT, and then press “F5” to refresh the web GUI. RFID card number will automatically appear, and then click “add” item.

Use the corresponding door card to open the door by swiping the card. With one beep sound, the door is open.



3.3 Enter Password to Open Door

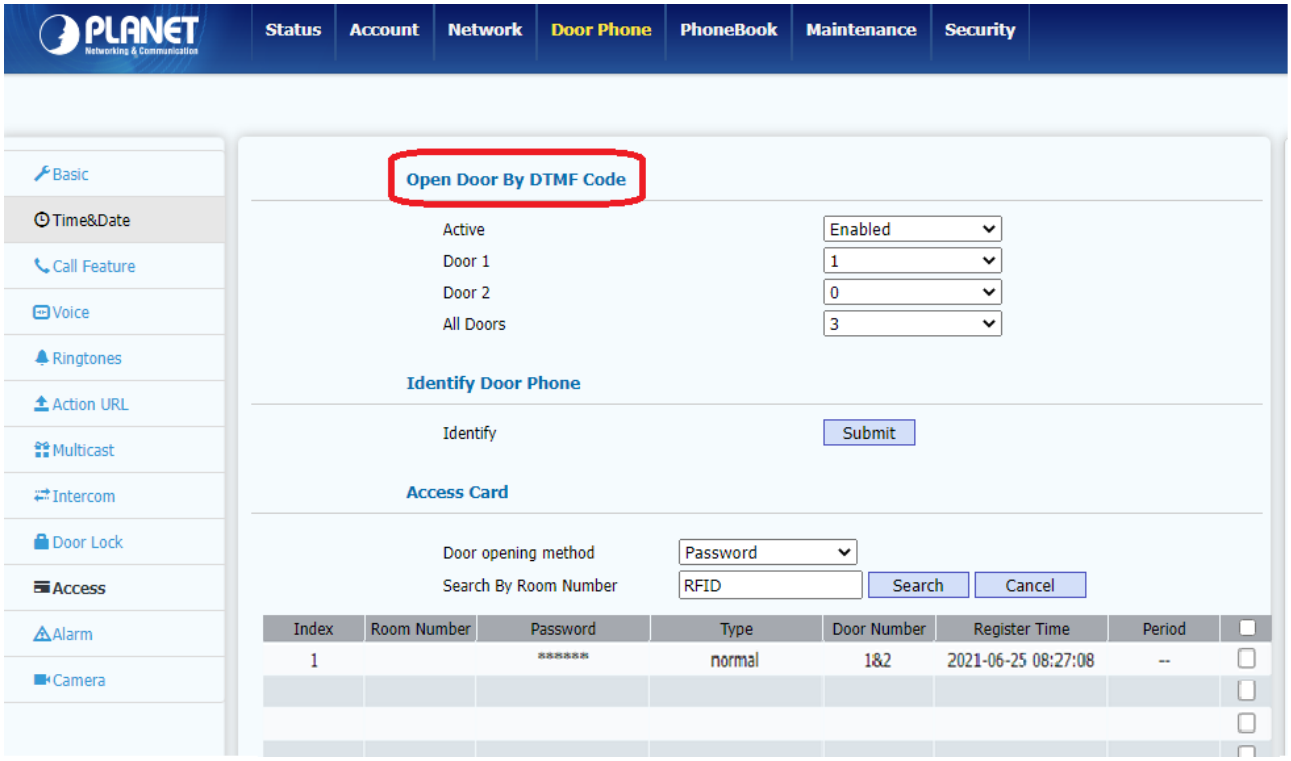
Click “Door Phone- Access”. In the “Access Card” items, select “password”



3.4 DTMF Open Door

Click “Door Phone- Access”, and in “Open Door By DTMF Code”, click “Enabled” to configure DTMF Code to open door

After setting, click the Submit button.



The HDP-1260PT supports 3 types of DTMF: Inband, RFC 2833 and SIP INFO

Chapter 4. Web-based Management

Please take a few minutes to read through this guide to familiarize with the steps required to set up your door phone. When the device and your computer successfully connect to the network, enter the IP address of the device. You will see the Webpage management interface login screen. Enter the user name and password and click the button to enter the settings screen.

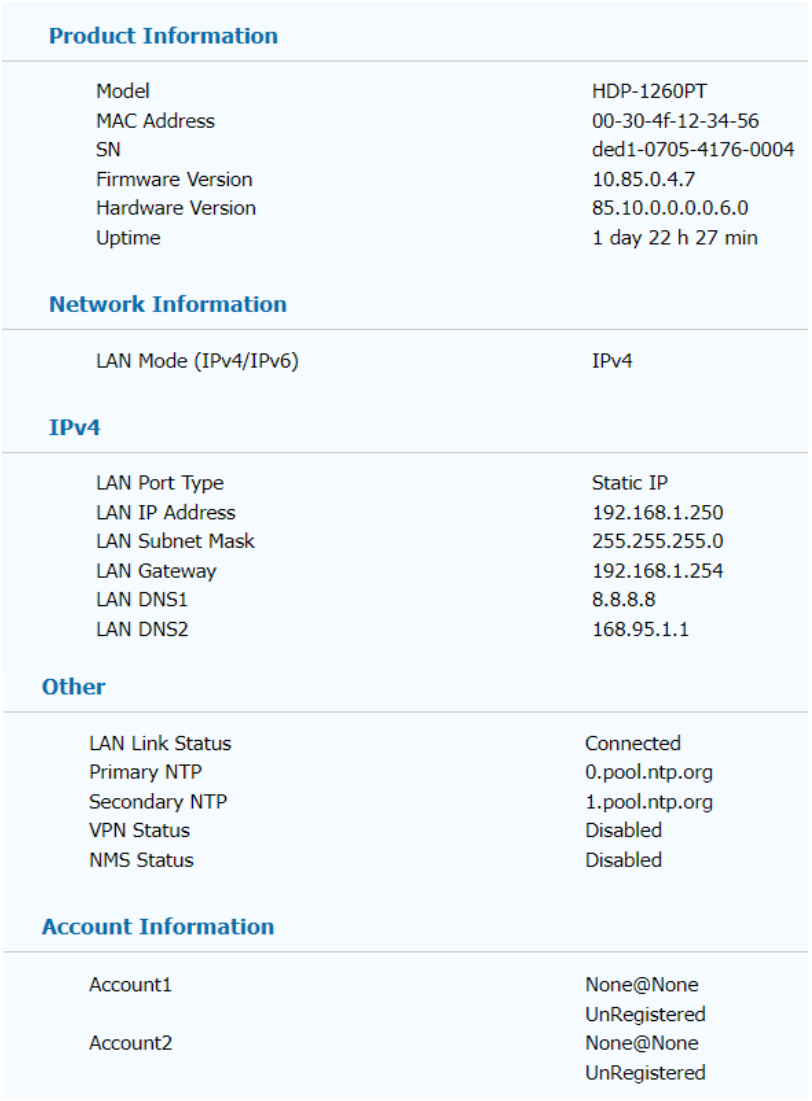
Door phone can be configured with your Web browser. Before configuring, please make sure your PC is in the same IP segment as the door phone.

This chapter provides setup details of the door phone Web-based Interface.

4.1 Status

4.1.1 Basic Menu

Basically the Web menu shows Product Information, Network Information, Network Connection and Account Registration as shown below.



*

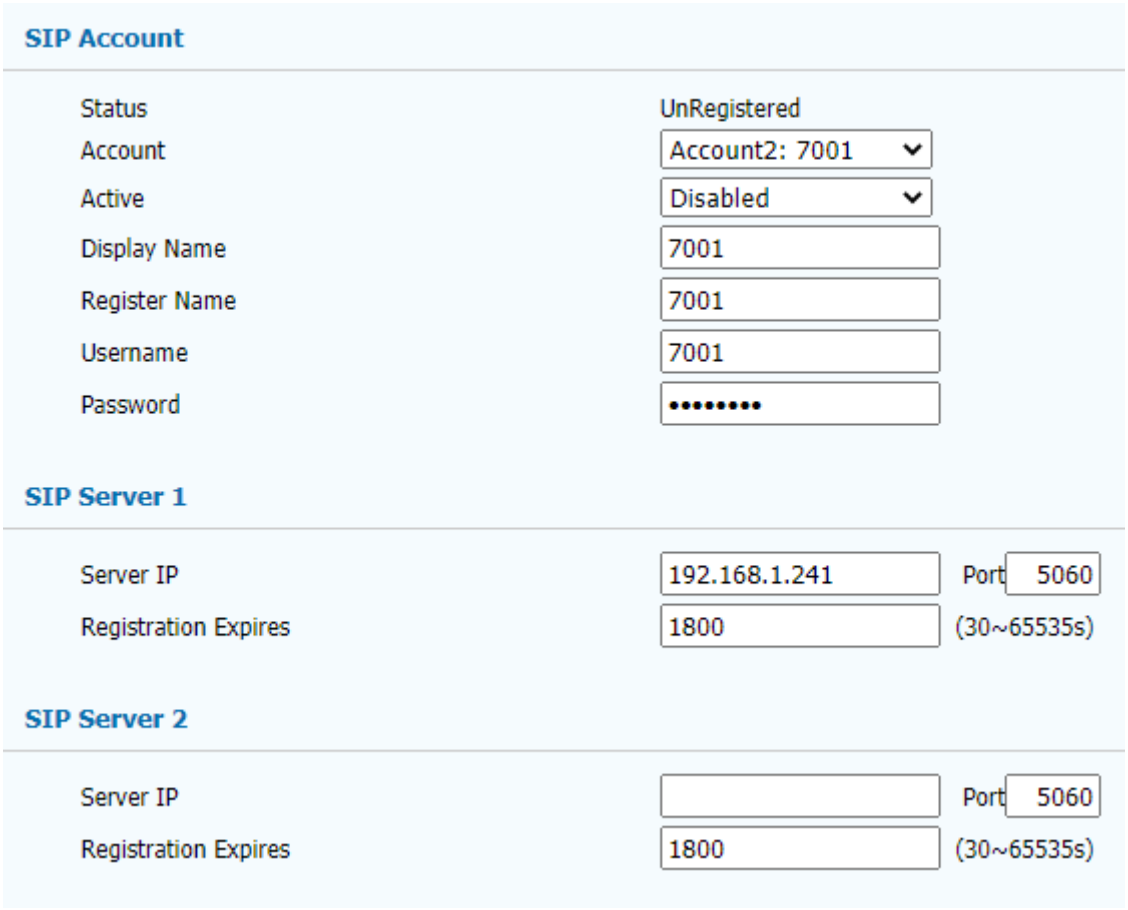
Product Information	Display the basic information of the settings, such as model, MAC address (physical address of the IP device), firmware version, and hardware version.
Network Information	Display the network statuses:LAN Port Type(DHCP/Static IP/PPPoE), LAN Link Status, LAN IP Address, LAN Subnet Mask, LAN Gateway, LAN DNS1, LAN DNS2, Primary NYP and Secondary NTP(NTP server is used to automatically synchronize the time from the Internet).
Account Information	Display device account information and registration status (account user name, registration server address and registration result).

4.2 Account

The account in web GUI Includes

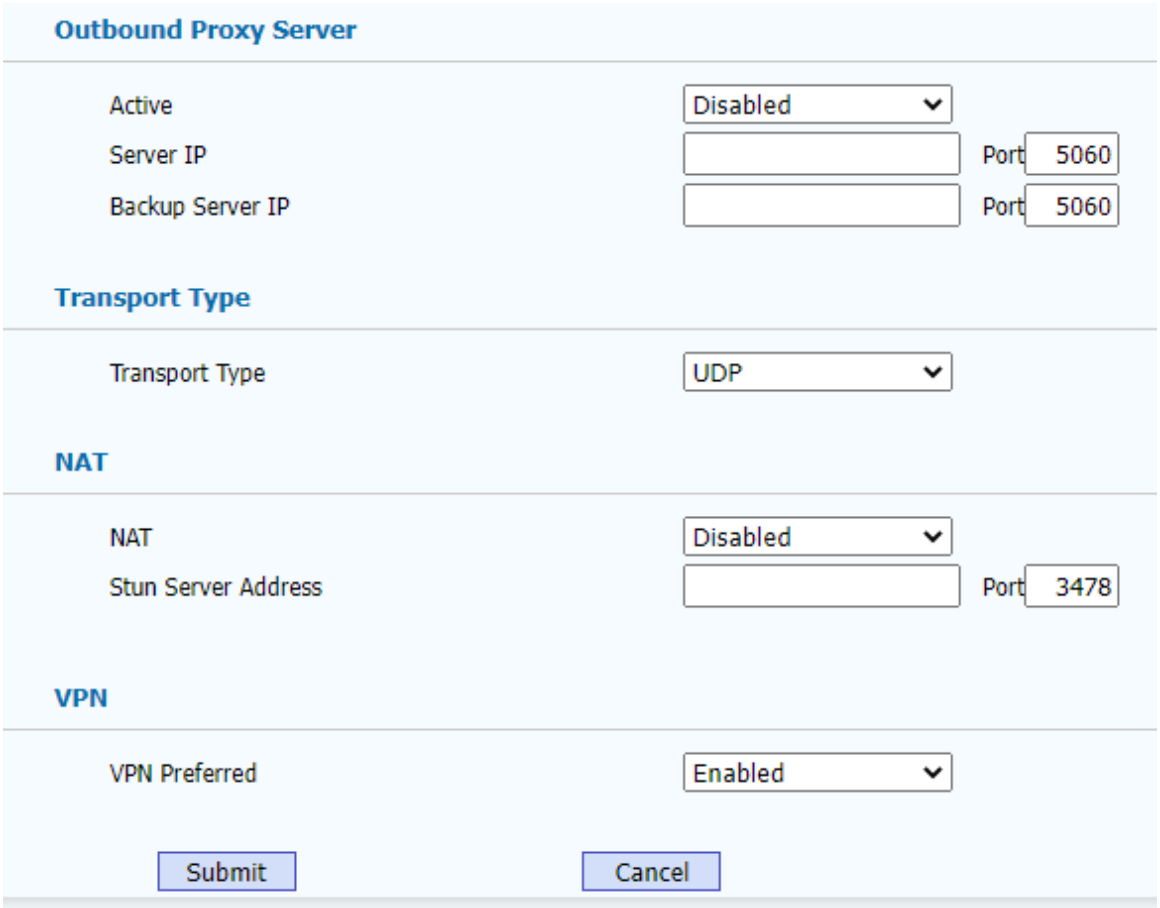
1. Basic system information;
2. Advanced account display and configure;
3. Audio, video codec display and configure.

4.2.1 Basic



SIP Account	Display and configure basic account information **Status:** Display account registration results **Display Label:** The label is displayed on the screen. **Display Name**: Send to another caller for display. **Register Name:** Assigned by SIP server provider User Name: Deploy SIP account by SIP server Password: Certification authorized while doing the registration & call.
SIP Server 1	Display and configure master server information

	Server IP: SIP server address can be a domain name or an IP address. **Registration Period:** The IP phone will automatically re-register within the registration period.
SIP Server 2	Display and configure secondary server information If registration is done via secondary SIP server, the IP phone will go to both primary and secondary SIP servers together at the same time. If registration fails on the primary SIP server, the IP phone will go to the secondary SIP server for registration. **Note:** The secondary SIP server is used for backup. If the user environment does not have a backup SIP server, it can be left blank.

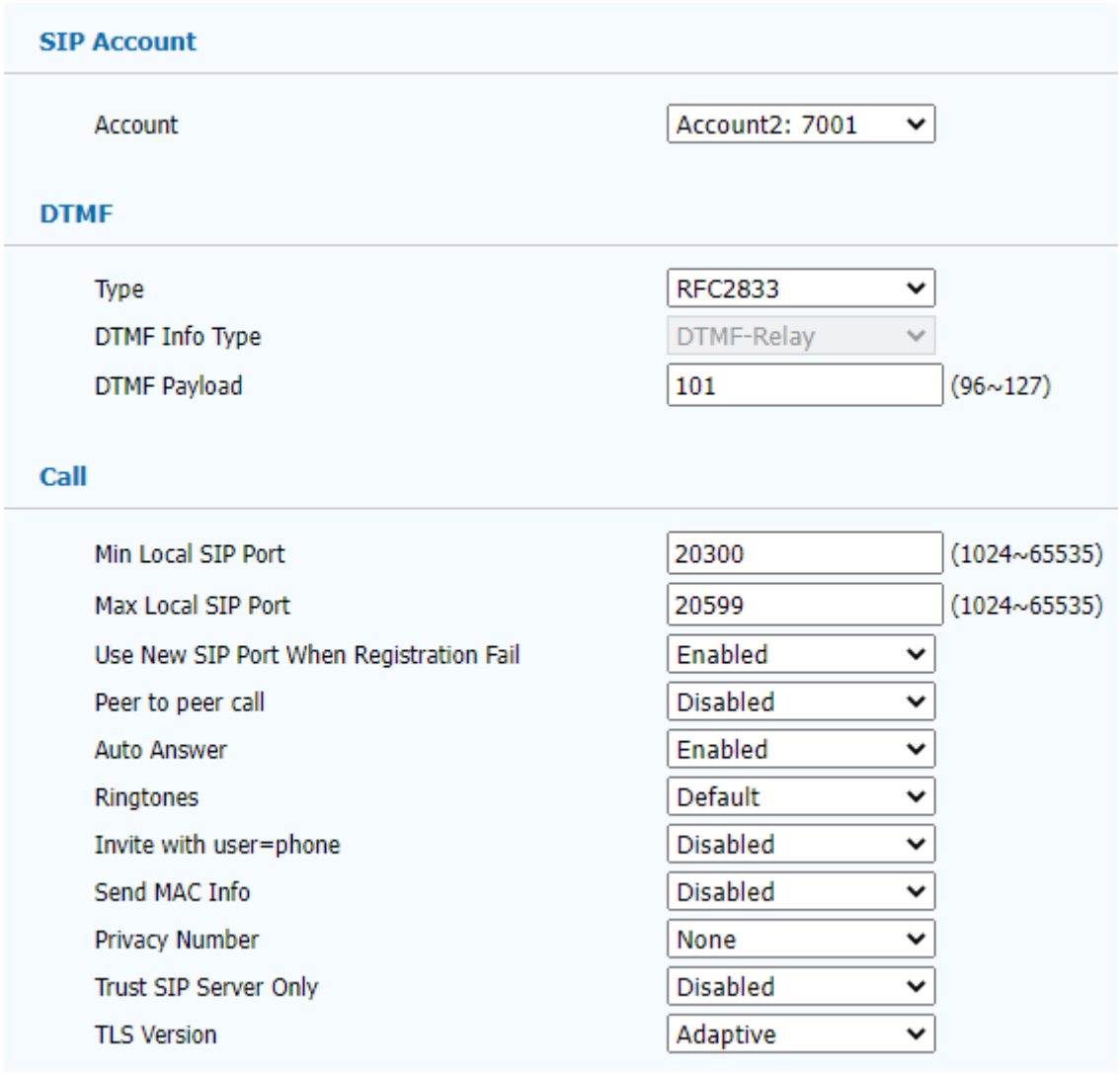


Outbound Proxy Server	Display and configure proxy server settings The proxy server is used to receive all activated request messages and route them to the designated SIP server. **Note:** If a proxy server is configured, all SIP request messages

	from IP phones will be sent to the proxy server forcibly.
Transport Type	Display and configure the transmission type of SIP messages **UDP:** UDP is an unreliable but very effective transport layer protocol; **TCP:** Reliable but less efficient transport layer protocol **TLS:** Safe and reliable transport layer protocol **DNS-SRV:** A type of DNS record used to specify the server address
NAT	Display and configure NAT (Network Address Translator) **STUN:** Simple traversal of UDP on NATS is the solution to all NAT problems. **Note:** By default, NAT is disabled.
VPN Preferred	Device can send or receive command and media data via VPN port if device enables the VPN. **Note:** By default, VPN is enabled.

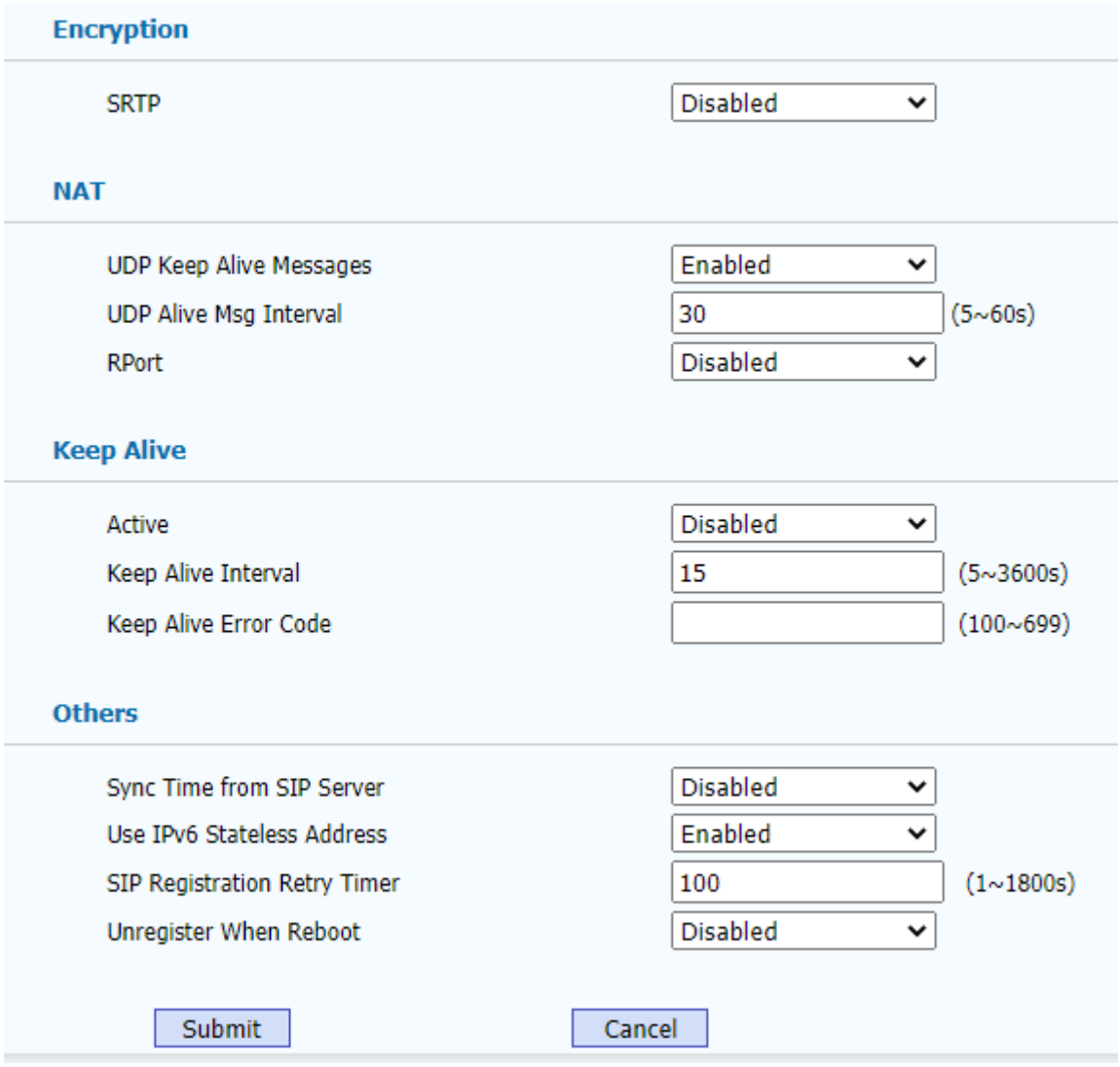
4.2.2 Advanced

This advanced web GUI can select account and also can do configurations, such like DTMF, CALL, NAT, and KEEP ALIVE as shown below:



SIP account	Display the current account settings or select the account to display.
DTMF	Display the DTMF type (Inband, RFC 2833 and Info)and DTMF info type (DTMF-Relay, DTMF, and Telephone Event) and DTMF playload (96~127)
Call	Display call configured items including local SIP port range. It will prompt when set port range is occupied. Use new SIP port when registration fails. Peer to peer call, auto answer, ringtones, Invite with user phone, send MAC info, private number, trust SIP server only, TLS version are featured. **Min Local SIP Port:** Cannot be empty, default 20000, only integers within (1024~65535) **Max Local SIP Port: C**annot be empty, default 20299, only integers within (1024~65535)

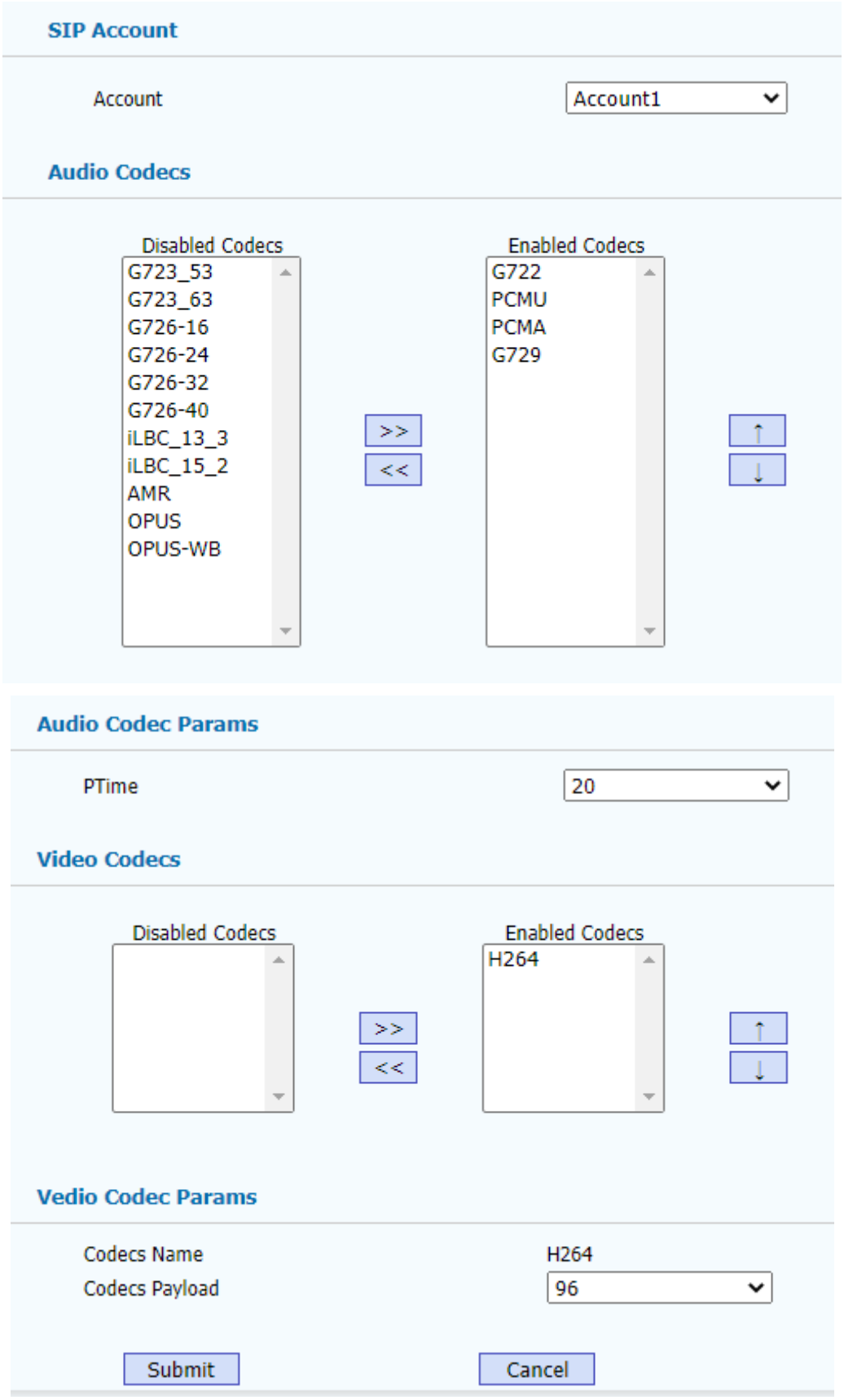
	Use New SIP Port When Registration Fails: default enable. **Peer to peer call:** Enable device call from server address without pre-registration. **Auto Answer:** Enable device auto answer when call in, default enable. **Ringtones:** Enable to choose phone ringtone. **Invite with user phone:** Enable the call msg device sent including user phone. **Send MAC Info:** Enable device for the MAC address when doing the registration. **Privacy Number:** Default empty (empty, ID andPAI)available. Trust SIP Server Only: Device only receives SIP command from trust SIP server. **TLS version:** Enable device to configure TLS version; default Adaptive (Adaptive, TLS 1.0, TLS 1.1 and TLS 1.2)



NAT	IP phones can send valid data packets that keep the communication port open to the NAT server； **UDP Keep Alive Messages:** options, default Enabled, can choose (Enabled and Disabled)； **UDP Alive Msg Interval:** When UDP Keep Alive Messages is Enabled, it cannot be empty, the default is 30, [1,63] characters, only integers within [5,60]. When UDP Keep Alive Messages is Disabled, this item is not available. Edit status **RPort:** Default Disable, or choose enabled.
Others	**Sync Time from SIP Server:** Enable device sync time via SIP server, default Disabled. **Use IPv6 Stateless Address:** Enable use IPv6 Stateless Address when registrating (default Enabled) **SIP Registration Retry Timer:** The interval time when re- registrating after configuration of SIP failed. (Default is 100 seconds, 1~1800 seconds) **Unregister When Reboot:** Enable device logout after device reboot (default Disable)

4.2.3 Codecs

Codecs display and configure supported audio codecs, PTime and Codecs Payload as shown below.

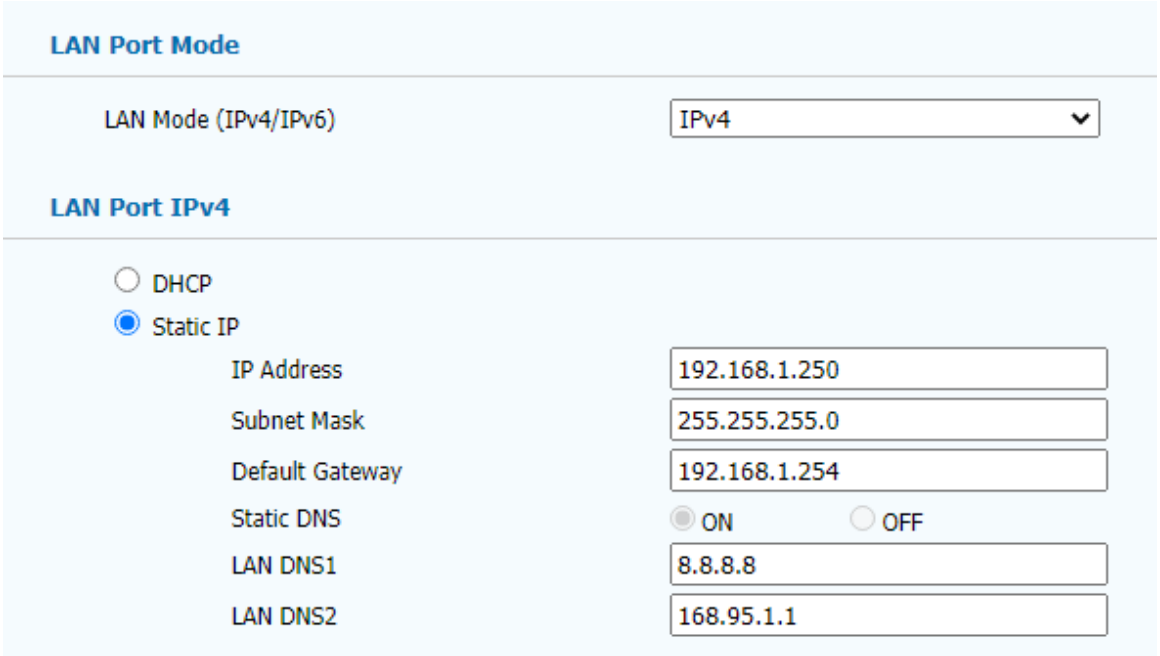


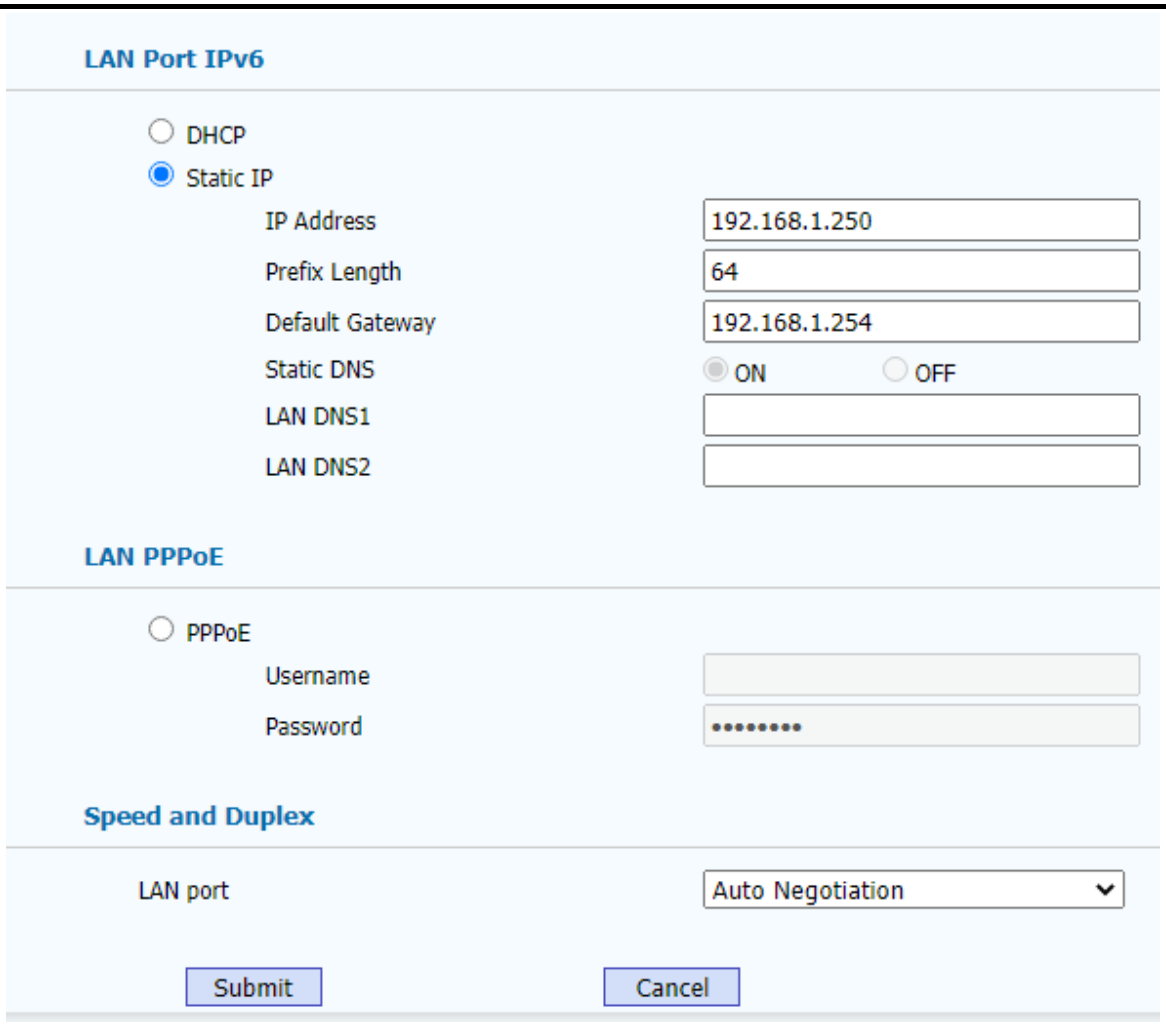
Audio Codecs	Display and configure a list of available / unavailable codecs. A codec refers to a codec used to convert analog signals into digital signals or digital signals into analog signals. Familiar codecs are PCMU (G711U), PCMA (G711A), G722 (broadband codec), G729, G723_53, G723_63, G726_16, G726_24, G726_32, G726_40.
Audio Codec Params	PTime: Default 20ms (Disabled, 10, 20, 30, 40, 50, 60)
Video Codecs	Currently only support H.264.
Video Codec Params	Codecs Payload: Default 96,(96~127)

4.3 Network

Web GUI main displays and configurations include devices network IP address get, TR069 Network management, NMS Cloud management service, VLAN and QoS, etc.

4.3.1 Basic

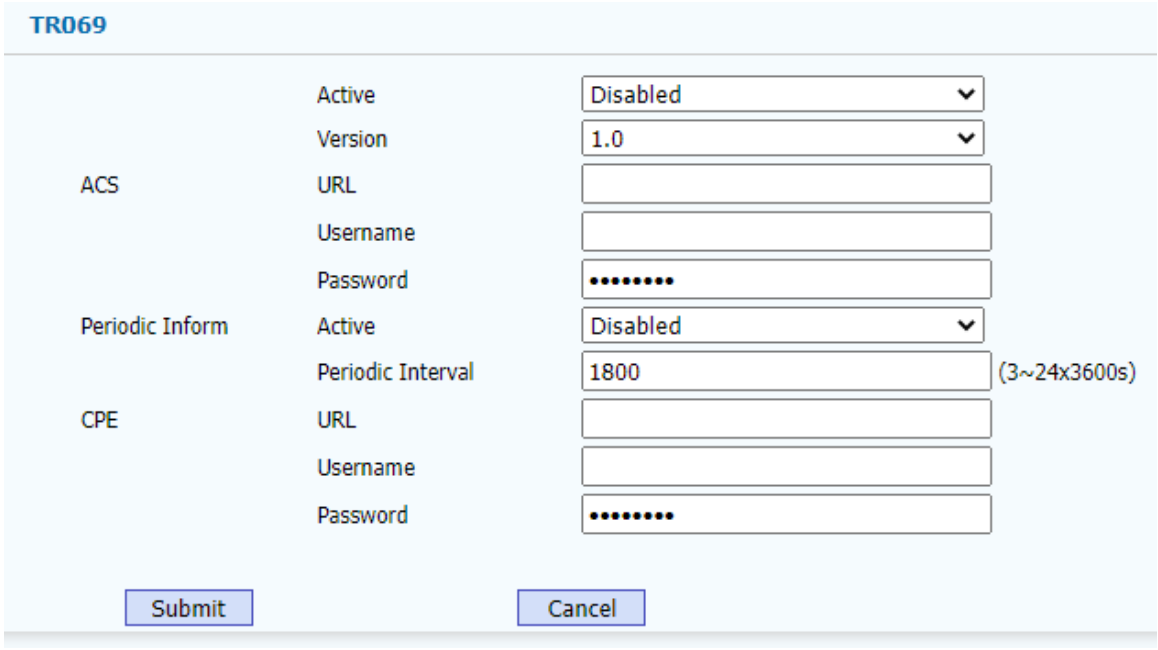




LAN Port Mode	Configure LAN Port mode, Default is IPv4, (IPv4, IPv6, IPv4 & IPv6).
LAN Port IPv4	Configure the LAN Port get IP address with IPv4. Default is DHCP (DHCP or Static IP).
LAN Port IPv6	Configure the LAN Port get IP address with IPv6. Default is DHCP (DHCP or Static IP).
LAN Port PPPoE	Configure the PPPoE's verification's password & password via LAN Port.
Speed and Duplex	Configure the LAN Port connection speed

4.3.2 TR069

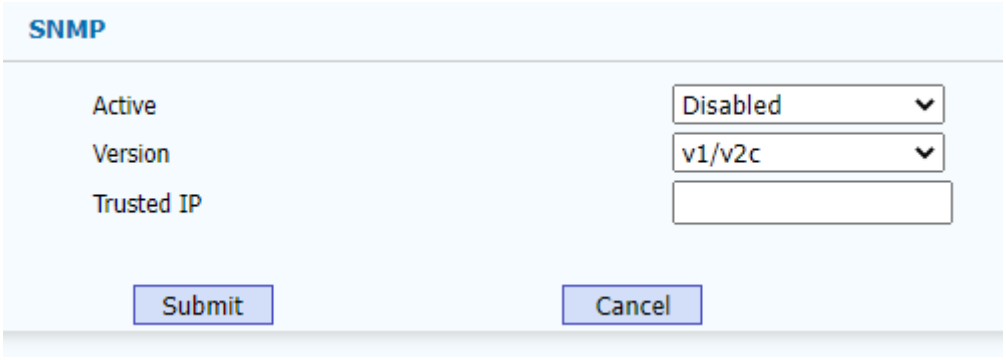
TR069 mainly display and configure TR069 parameter, which is a remote control terminal communication protocol based on CWMP(CPE WAN Management Protocol) as shown below:



Active	To enable or disable TR069 feature.
Version	To select supported TR069 version (version 1.0 or 1.1).
ACS URL	ACS: ACS is short for Auto configuration servers as server side.
Username/Password	Configure Username/Password when connecting to the ACS server.
Periodic Inform Active	To enable periodically inform.
Periodic Interval	To configure interval for periodic inform, default 1800 seconds (3~24x3600s)
CPE URL	CPE is a client side device, mainly used for service and client dual-way verification.
CPE Username/Password	Configure Username/Password when server is on the CPE side.

4.3.3 SNMP

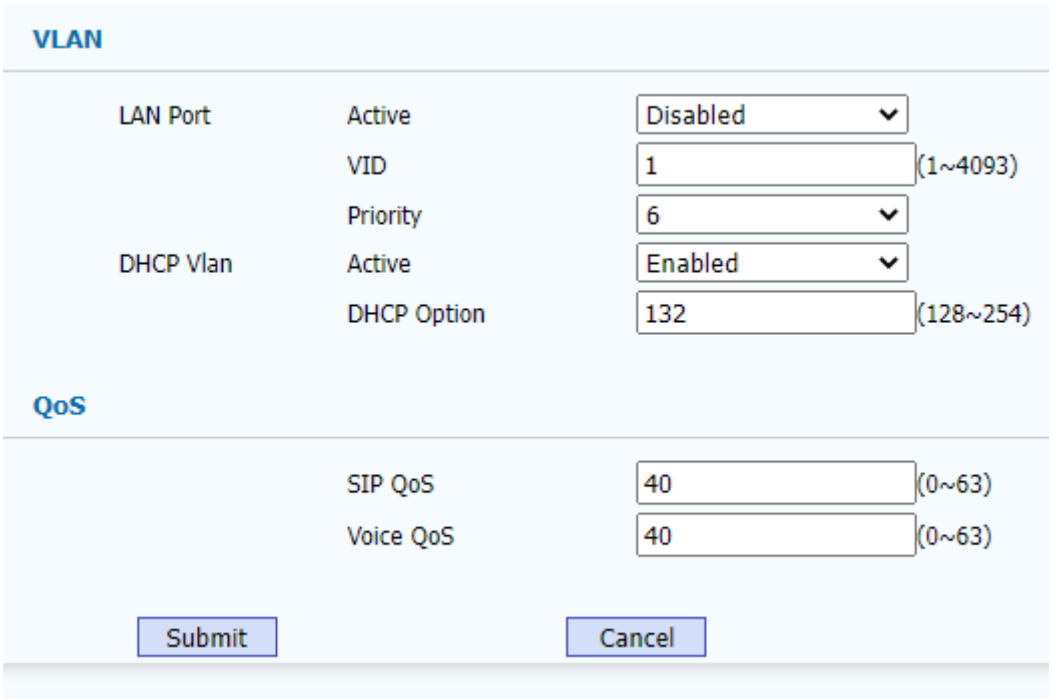
SNMP is a simple network management protocol. To display and configure SNMP settings, see below.



Active	To enable or disable SNMP feature.
Version	To select supported SNMP version [default is v1/v2 ,(v1/v2, v3)]
Trusted IP	Configure SNMP server IP address

4.3.4 VLAN and QoS

VLAN and QoS are to display and configure VLAN parameters on LAN port, and then set SIP command and QoS of audio as shown below:

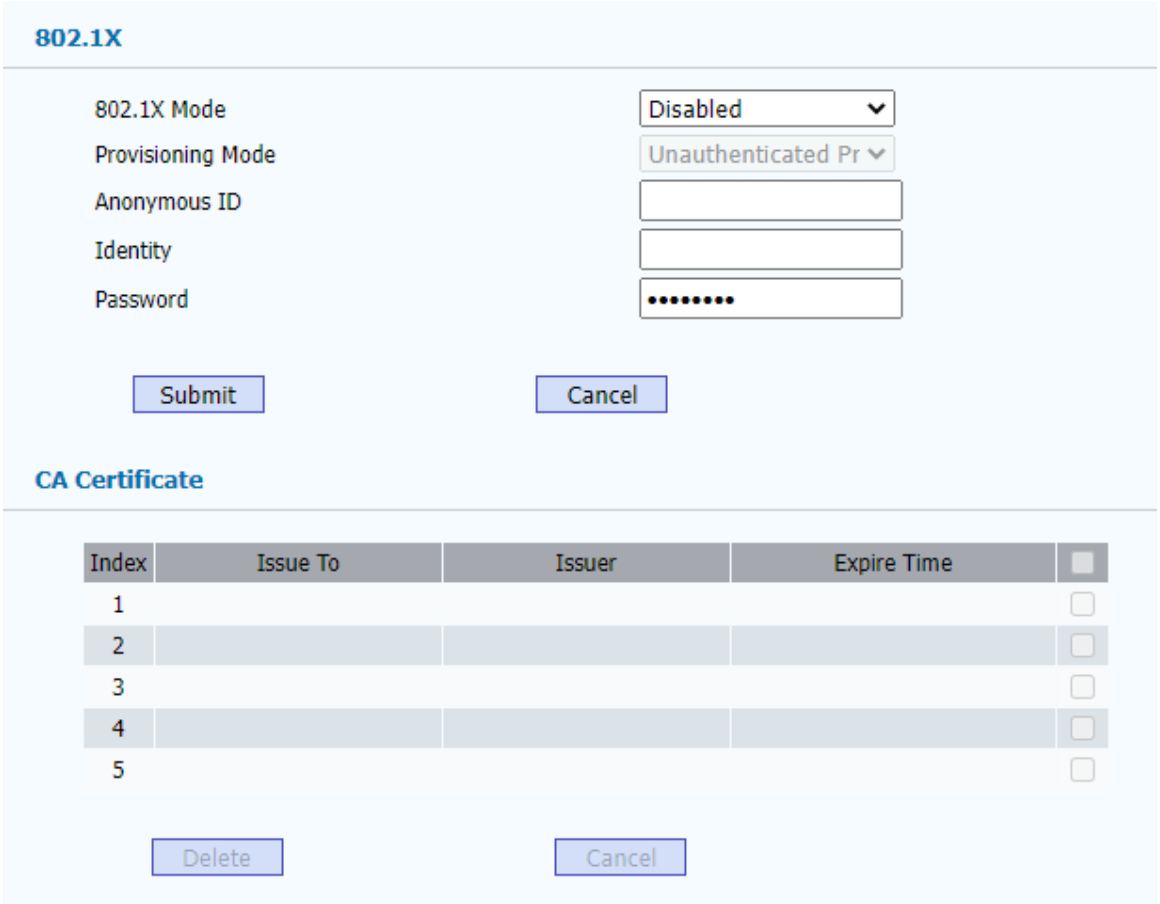


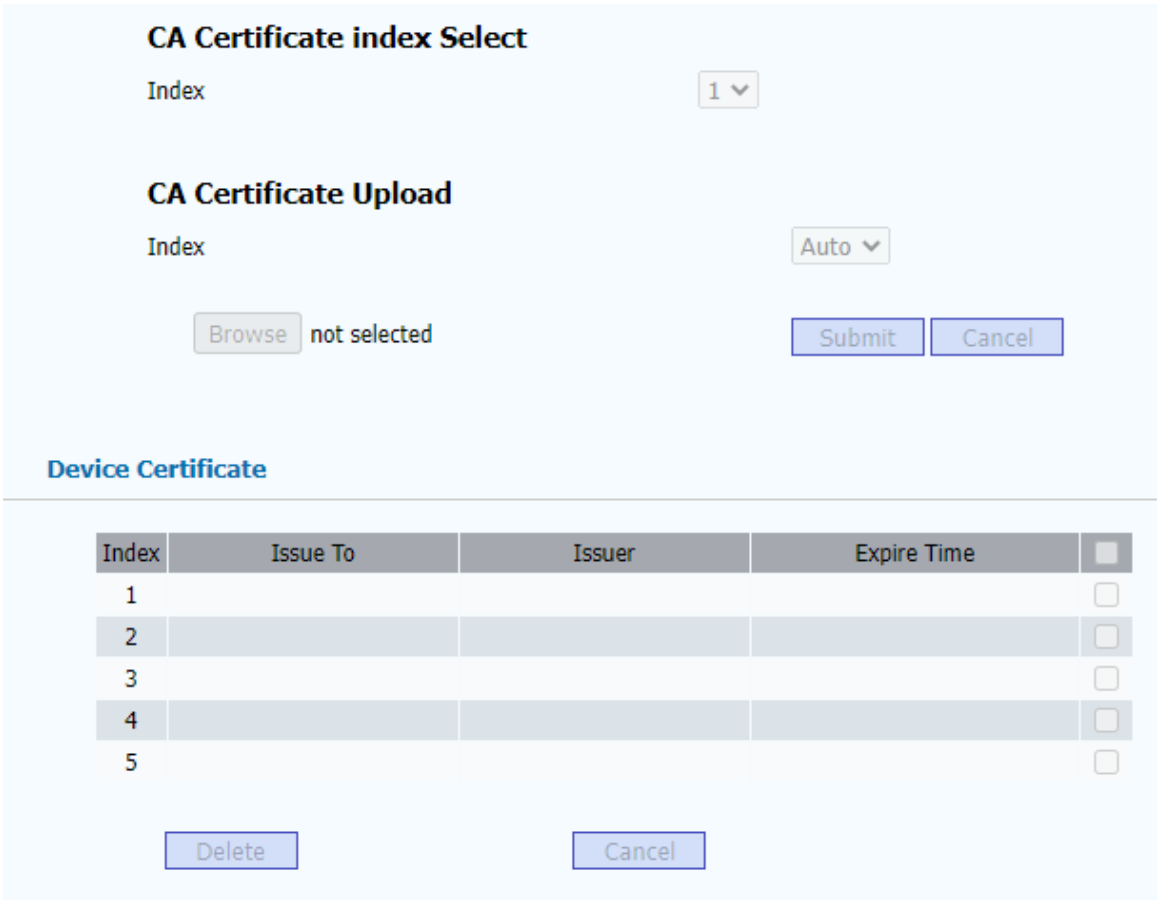
VLAN LAN Port	To configure VLAN property of LAN port:

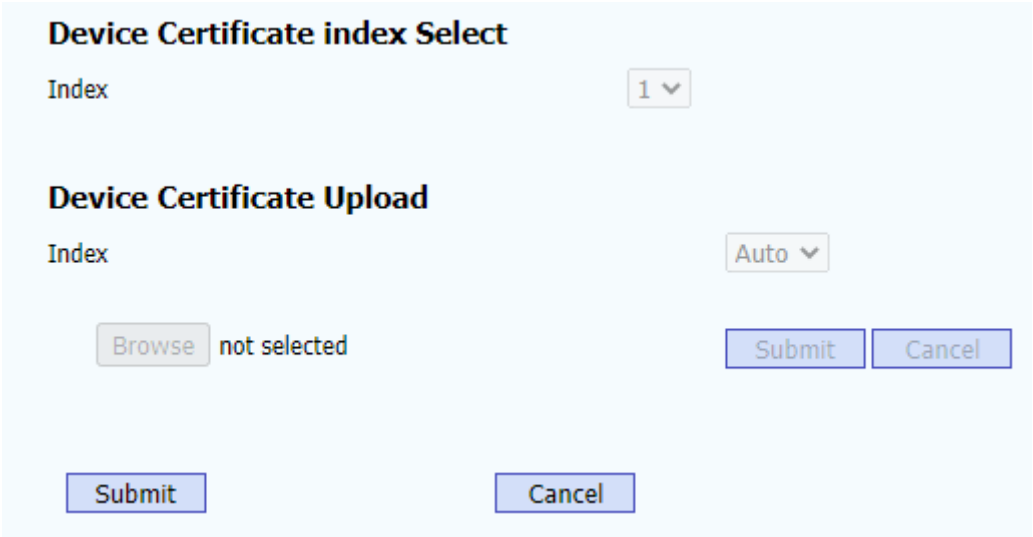
	Active: To enable or disable VLAN feature. **VID:** To configure VLAN id for designated port.(1~4093) **Priority:** To select VLAN priority for designated port.(0~7)
VLAN DHCP Option	To configure the VLAN property when DHCP receives the server address. **Active:** To Enable or disable the VLAN property when DHCP receives the server address. **DHCP option:** To configure DHCP and VLAN setting (128~254).
QoS	To display and configure QoS settings. **SIP QoS:** To configure QoS value for all SIP message. **Voice QoS:** To configure QoS value for all audio streams (RTP streams).

4.3.5 802.1X

802.1X is to display and configure 802.1x settings. 802.1x is a verification framework, supporting multi-verification protocols, currently mainly EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP, EAP-FAST, etc. as shown below:





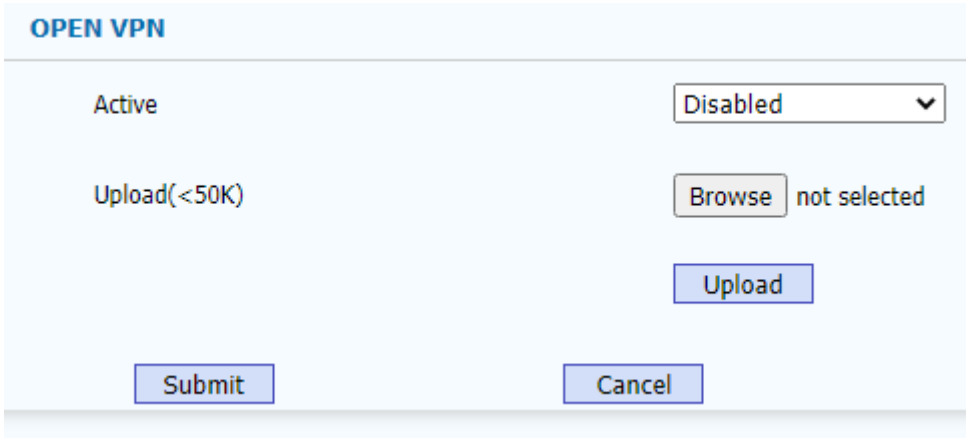


802.1x	To display and configure 802.1x settings. **802.1x Mode:** To enable or disable 802.1x (default is disable.)(EAP-MD5, EAP-TLS, EAP-TTLS, EAP-TTLS/EAP-MSCHAPv2, EAP-TTLS/EAP-GTC, EAP-PEAP/MSCHAPv2, EAP-PEAP/GTC, EAP-FAST). **Provisioning Mode:** When verification protocol is EAP-FAST, it can identify whether to use identity verification or without identity verification through configuring Provisioning.

	Anonymous ID: To configure anonymous ID to replace actual user ID makes user more secure. **Username/password:** Insert username and password when configuring.
CA Certificate	To provide CA Certificate index display and upload feature.
Device Certificate	To provide Device Certificate index display and upload feature.

4.3.6 VPN

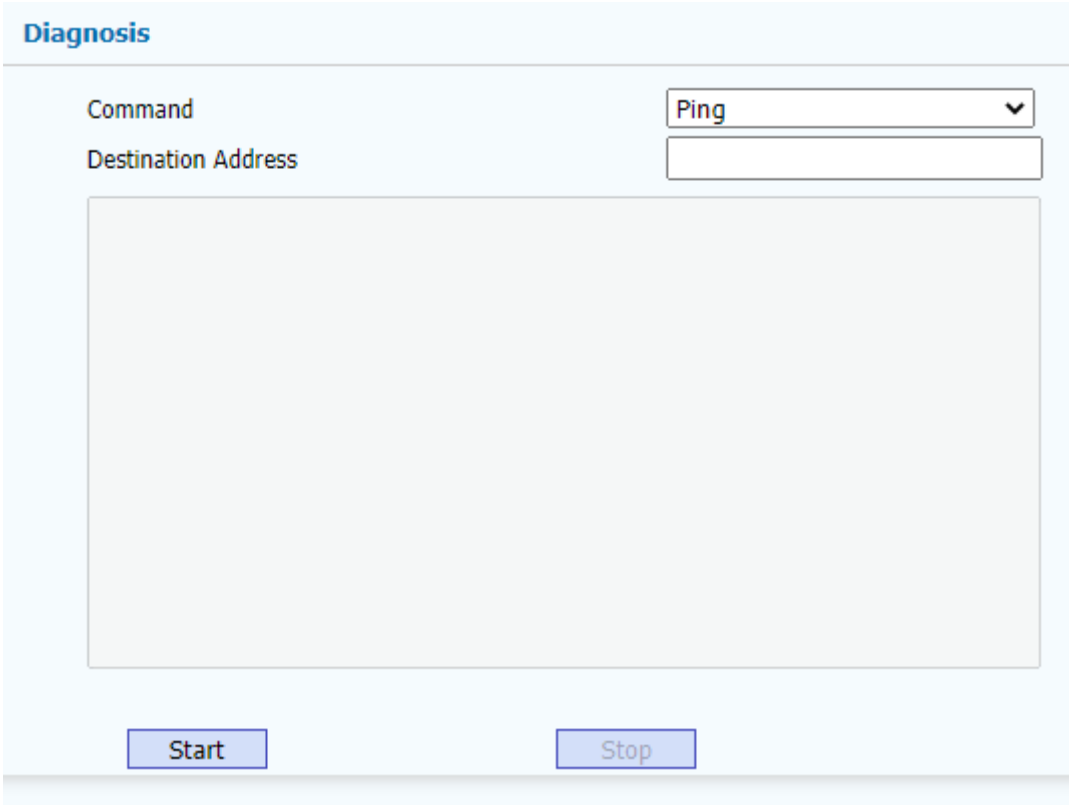
To display and configure VPN settings including enabling or disabling Open VPN, and provide VPN certificate upload. It currently supports Open VPN features.



Active	Enable or disable Open VPN.
upload	To upload VPN client configuration file which is used to connect to VPN server.

4.3.7 Diagnosis

Diagnosis mainly support network diagnosis tools, like ping and trace route feature, and currently provide ping feature. Other functions in the next version will be completed as shown below.

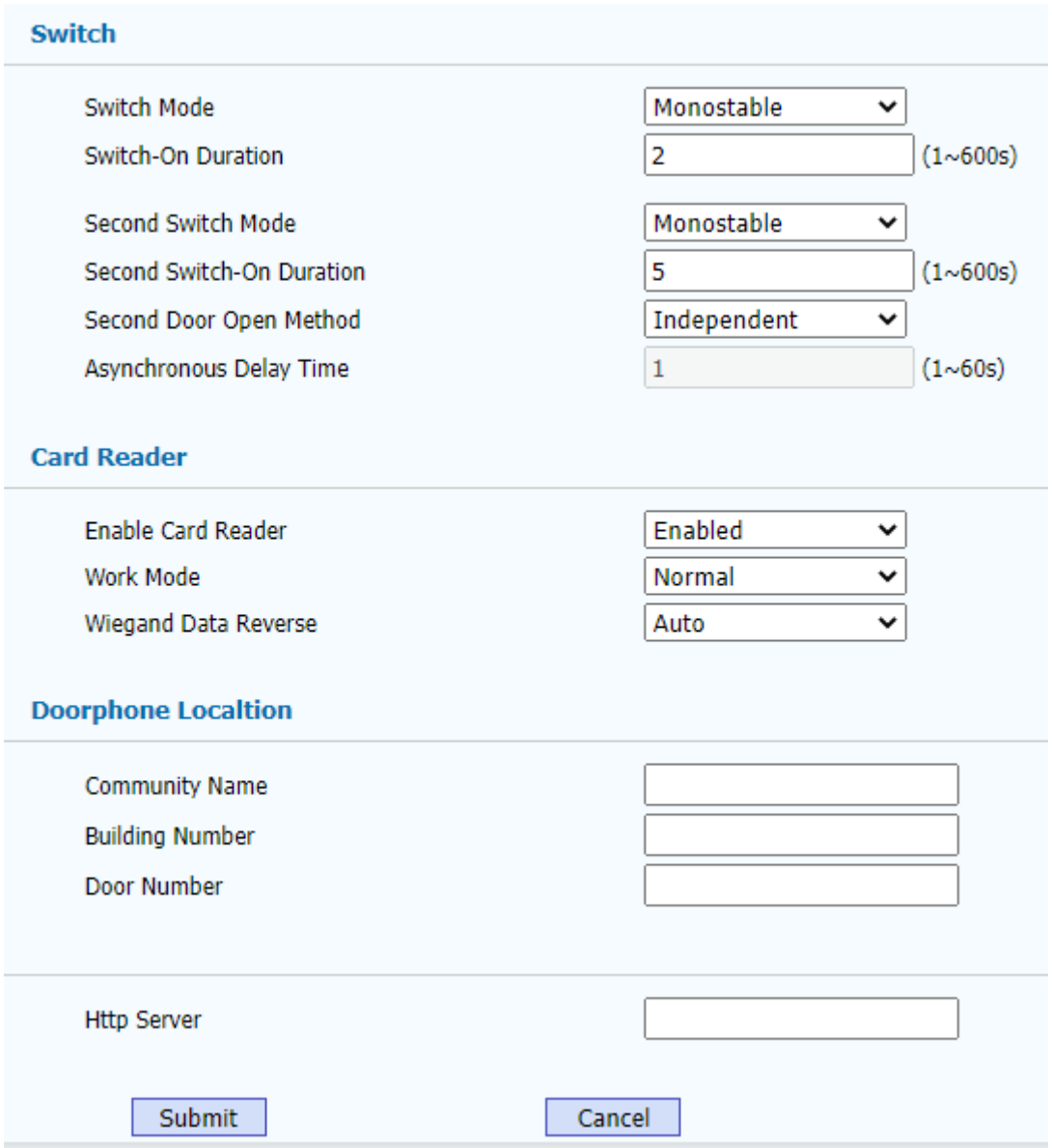


4.5 Door Phone

Door phone display items and configure door phone parameters include device languages, device switch parameter, RFID parameters, time and date configure, call configure, audio and ringtone configure, etc.

4.5.1 Basic

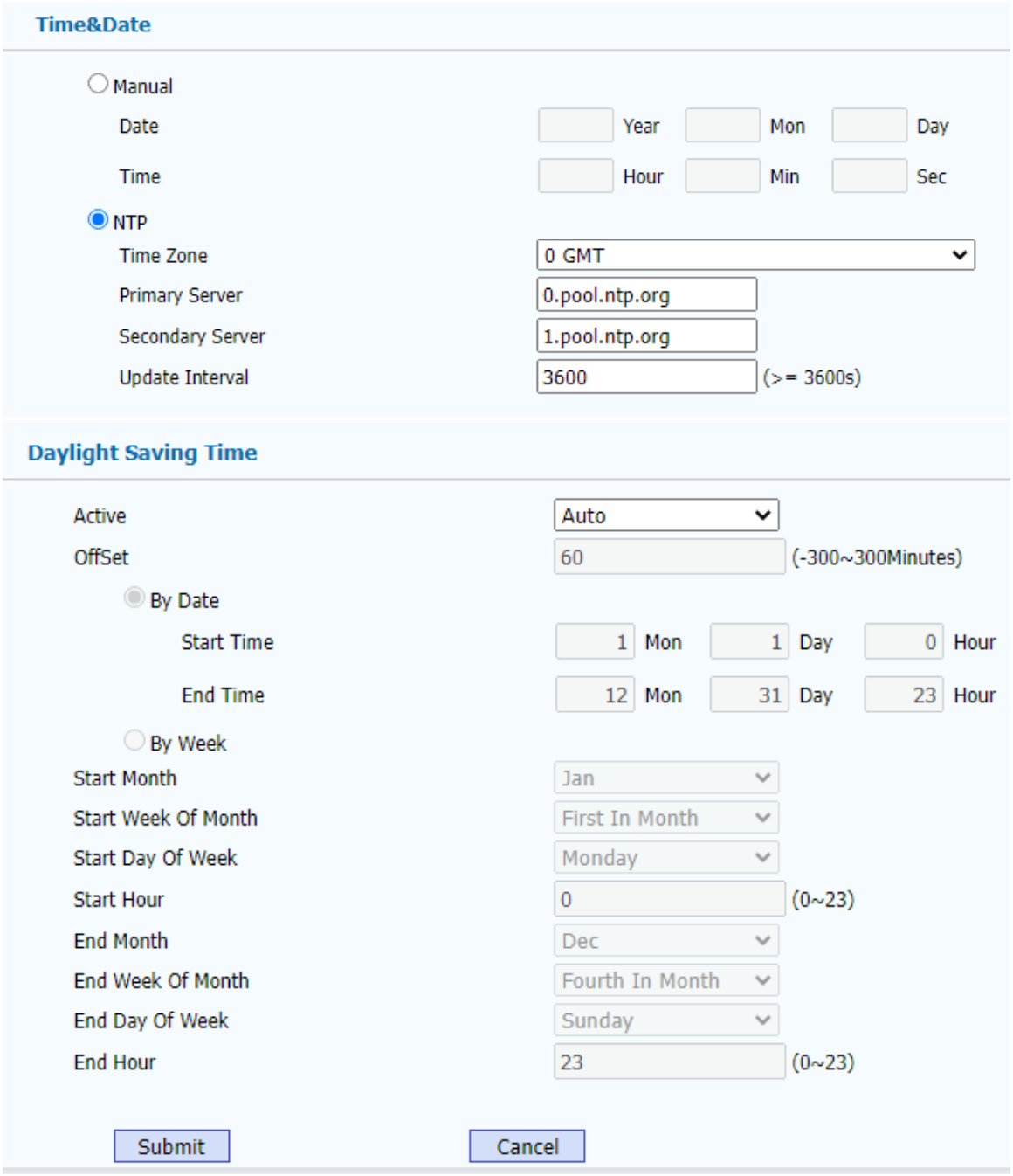
For basic display items and configure device language, device access parameters, RFID parameters, etc., see below



Switch	To configure door phone switch and time. **Switch Mode:** configure switch mode, default Monostable, (Monostable

	or Bistable). Monostable means door will auto close after several times; Bistable means door will close only after get a close signal (for example swipe to open, and then swipe again to close). **Switch-On Duration:** default 2s, (1~3600s). **Second Switch Mode:** Like the first switch operation, default is Monostable. Bistable is optional. **Second Switch-On Duration:** Like the first switch operation, default is 2s.(1~3600s) **Second Door Open Method:** Configure whether 2nd door linkage with 1st door; default is independent. (Independent, aynchronous relay) **Independent means :** swipe to open the 1st door, and then swipe again to open the 2nd door. Aynchronous relay means after swiping, both 1st door and 2nd door will be open. Default time is 5s, (1-60s)
Card Reader	To configure RFID parameters **Enable Card Reader:** To enable and disable card reader. Default is enable(Enable or Disable). **Work Mode:** To configure card reader Work Mode, default is Normal, (Normal, Card Issuing, Card Revoking). Normal means daily swiping of card to open door. Card issuing means to issue new card, meaning door will not open in this mode. Card Issuing means to revoke registered card, meaning door will not open in this mode. **Wiegand Data Reverse:** To enable or disable Wiegand data reverse feature to support external wiegand card reader. Default is auto (Auto, Enable or Disable).
Door Phone Location	To configure Doorphone address, Community Name, Building Number, and Door Number

4.5.2 Time and Date



Time and Date	Supports manual setting or NTP (Network Time Source), NTP support Time Zone Setting & Update Interval.
DST	Daily Saving Time

4.5.3 Call Feature

Timeout For Answer

Outgoing Call	60	(30~120s)
Incoming Call	65	(30~120s)

Hang Up After RTP Time Out

Time Out	10	(5~60s)

Call Button

Call Button Selection	1	
Call Key Light	Enabled	
Call Button Day 1		
Call Button Day 2		
Call Button Day 3		
Call Button Night		
Round Robin Time Out	60	(5~60s)

Day Night Setting

Day Start	Hour:	9	Min:	0
Night Start	Hour:	19	Min:	0

Max Call Duration

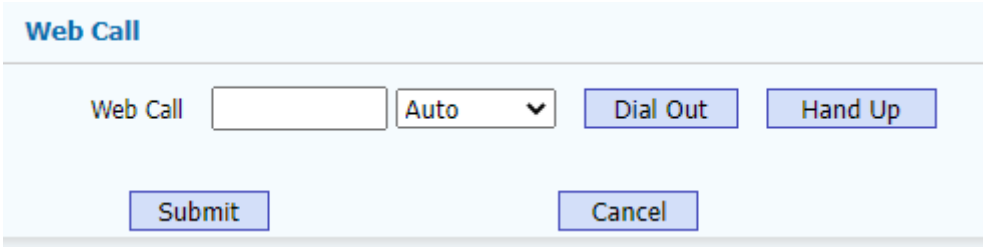
Max Call Duration	5	(0~30min)

Local RTP

Max RTP Port	12000	(1024~65535)
Min RTP Port	11800	(1024~65535)

Hang Up After Open Door

Time Out	5	(0~15s -1no hang up)



Timeout For Answer	To configure Outgoing call, Incoming call, default is 60s, (30-120s)
Hang Up After RTP Time Out	To configure RTP Time out interval, Door phone will hang out if not receive command when RTP time out, default is 10s, (5-60s)
Call Button	To configure call button feature. **Call Button Selection:** can choose 2 call buttons. **Call Key Night:** Enable or Disable night call key. **Call Button Day1/2/3:** replace a phone number you want in Bright Day **Call Button Night:** replace a phone number you want in Dark Day **Round Robbin Time Out:** Hang Out Time Interval, for example, if Call Button Day 1 hang out, it will go to Call Button Day 2, call button day 2 hang out, then go to Call Button Day 3
Day Night Setting	Set the start of day time and night time **Day Start:** Starting point of daytime **Night Start:** Starting point of night time Key Pad Light and Call Button Selection configures are based on this Day Night Setting feature.
Security Staff Button	To configure call phone number to security staff.
Max. Call Duration	To configure the longest talk time, it will automatically hang up after a limited time (time range is 0~ 30 minutes). 0 minute means it will not automatically hang up.
Local RTP	To configure local RTP port range, including min. RTP ports and max. RTP ports (1024- 65535)
Hang Up After Opening Door	To configure duration for the hang up after opening the door, default is 15s, (0-15s). 0 means to hang up immediately after opening the door.
Web Call	To configure a call from web.

4.5.4 Voice

Echo Canceller

Echo Canceller	Enabled
Voice Active Detection	Disabled
CNG	Enabled

Jitter Buffer

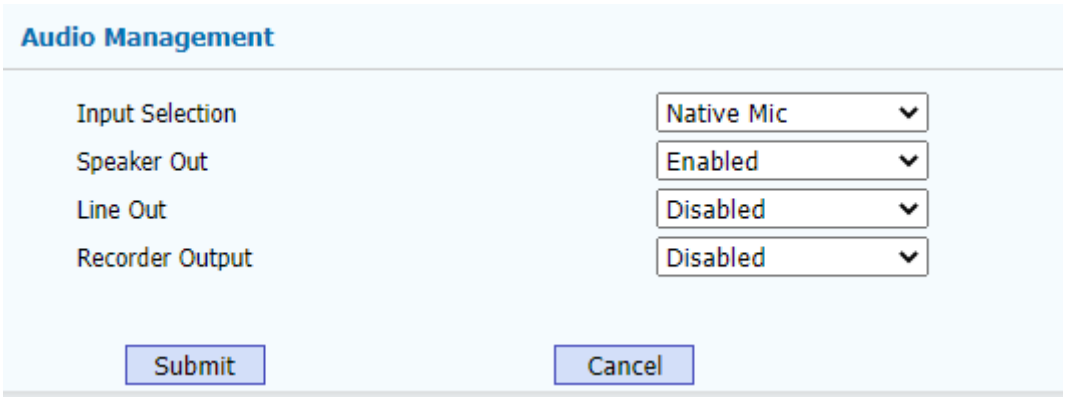
Jitter Type	Adaptive	
Min Delay	0	(0~1000ms)
Normal Delay	120	(0~1000ms)
Max Delay	300	(0~1000ms)

Volume

Mic Volume	5	(1~10)
Speaker Volume	6	(1~10)
Recorder Volume	6	(1~10)
Line Out Volume	6	(1~10)
Key Tone	5	(0~10)
Ringtone Volume	5	(0~10)

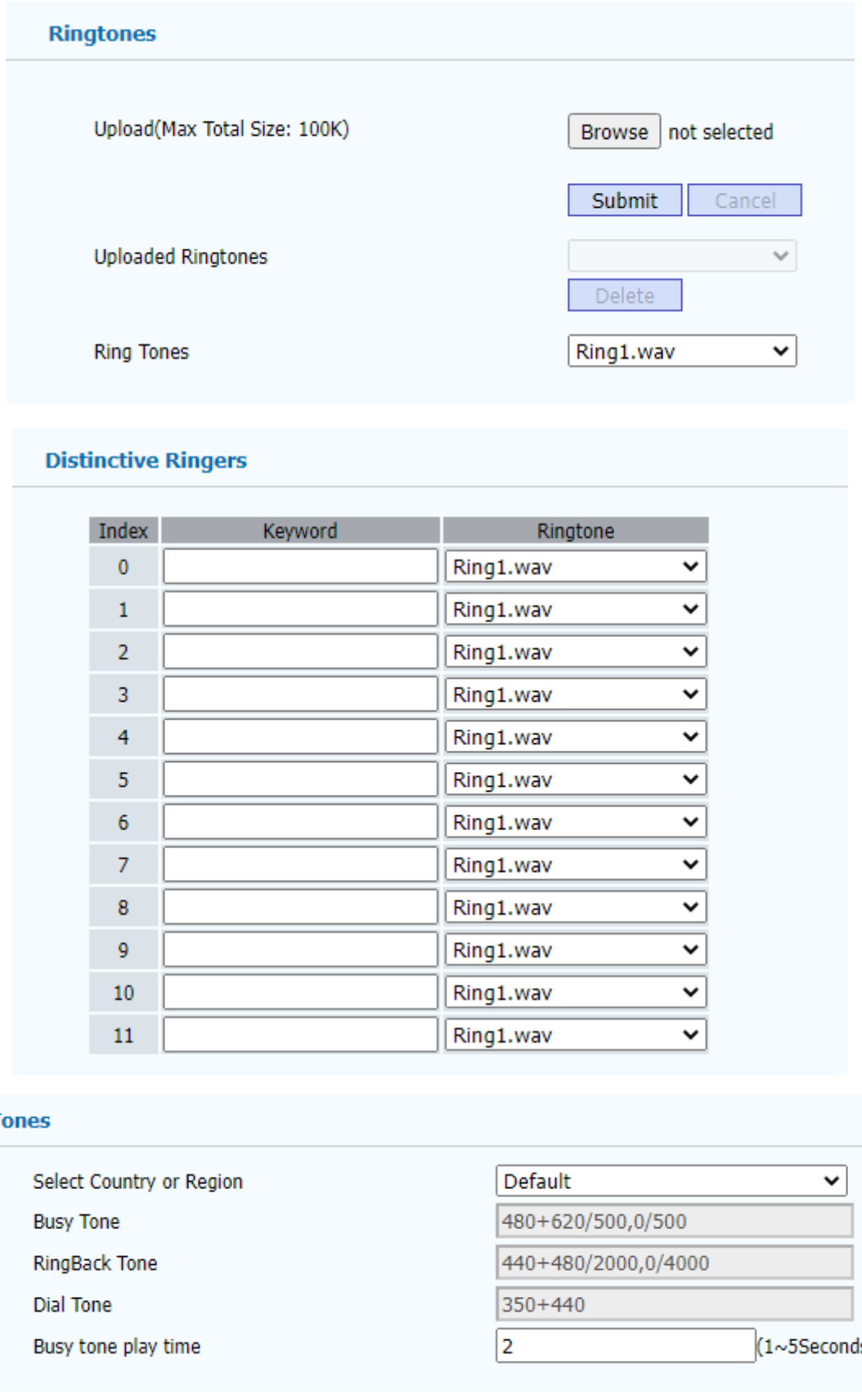
AGC configuration

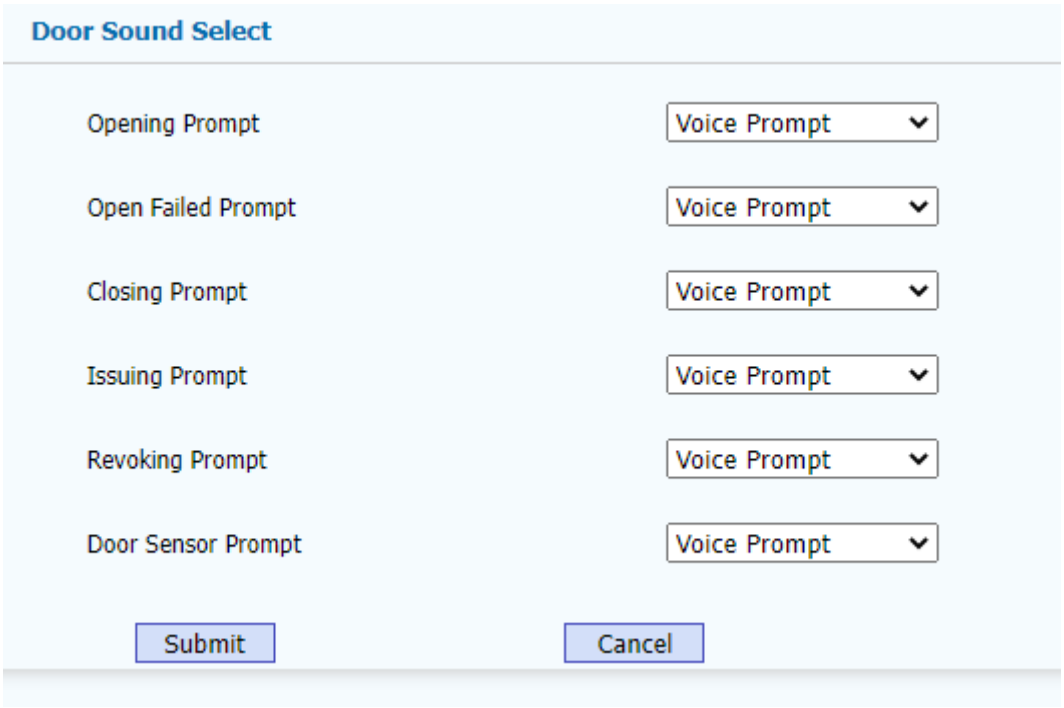
Tx direction AGC Enable	Enabled	
Tx Max Gain	0	(0-30db)
Tx Min Gain	-40	(-40-0db)
Tx TargetLevel	120	(0-400)
Rx direction AGC Enable	Enabled	
Rx Max Gain	5	(0-30db)
Rx Min Gain	-40	(-40-0db)
Rx TargetLevel	120	(0-400)
Handfree Auto AGC enable	Disabled	
Handfree Tx Max Gain	10	(0-30db)



Echo Canceller	To Enable or Disable Echo Canceller, Voice Active Detection(VAD) and Comfort Noise Generator(CNG)
Jitter Buffer	To Enable or Disable Jitter Buffer types [Adaptive (default) and Fixed). If Adaptive is selected, default min. delay is 0ms; default max. delay is 300ms; and default normal delay is 120ms.
Volume	Defaut Mic Volume is 5 (1-10). Default Speaker Volume is 5 (1-10). Default Recorder Volume is 2 (1-10). Default Line Out Volume is 6 (1-10). Default Key Tone Volume is 5 (1-10). Default Ringtone Volume is 5 (1-10).
AGC Configuration	AGC (Automatic Gain Control) is configured to approach target threshold, and automatically control the gain. **Tx direction AGC Enable:** Default is Enabled (Enabled or Disabled). **Tx Max Gain:** Default is 0db (0~30db). **Tx Min Gain:** Default is -40db (-40~0db). **Tx Target Level:** Default is 120 (0~400). **Rx direction AGC Enable:** Default is Enabled (Enabled or Disabled). **Rx direction AGC Enable:** Default is 5 (0~30db). **Rx Min Gain :** Default is -40db (-40~0db). **Rx Target Level:** Default is 120 (0~400). **Handsfree Auto AGC enable:** Default is disable (Enabled or Disabled). **Handsfree Tx Max Gain:** Default is 10db (0~30db).
Audio Management	**Input Selection:** Default Native Mic, (Native Mic, Line Input, Mixing) **Speaker Out:** Default is enabled (Enabled or Disabled). **Line out:** Default is disabled (Enabled or Disabled). **Recorder Output:** Default is disabled (Enabled or Disabled)

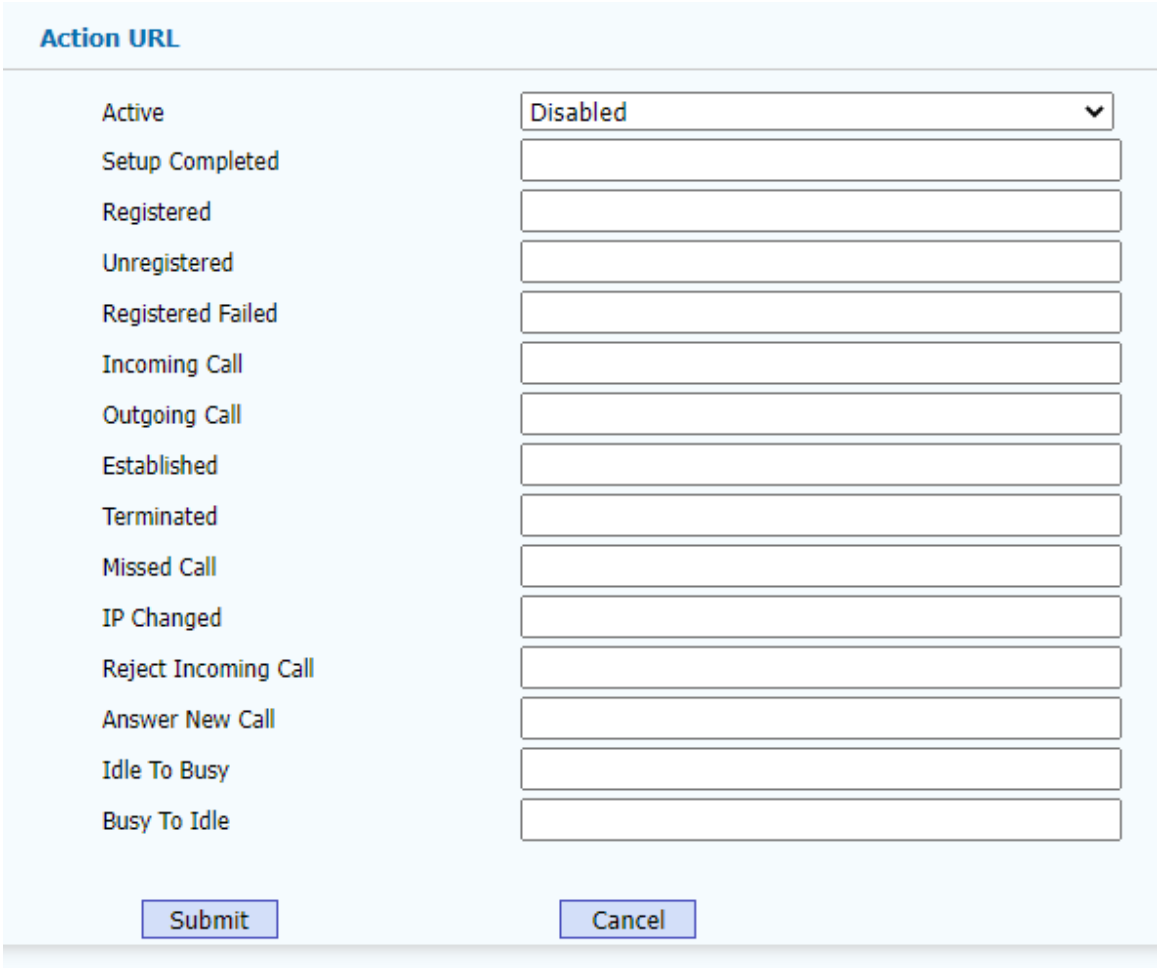
4.5.5 Ringtones





Ringtones	To upload, delete, ringtones setting.
Distinctive Ringers	Different incoming calls with different ringtones.
Tones	Choose different tones
Door Sound Select	**Opening Prompt:** default voice prompt (Default is disable.) **Closing Prompt:** default voice prompt (default or disable) **Issuing Prompt:** default voice prompt (Default is disable.) **Revoking Prompt:** default voice prompt (default or disable) **Open Failed Prompt:** default voice prompt (default or disable) **Door Sensor Prompt:** default voice prompt (default or disable)

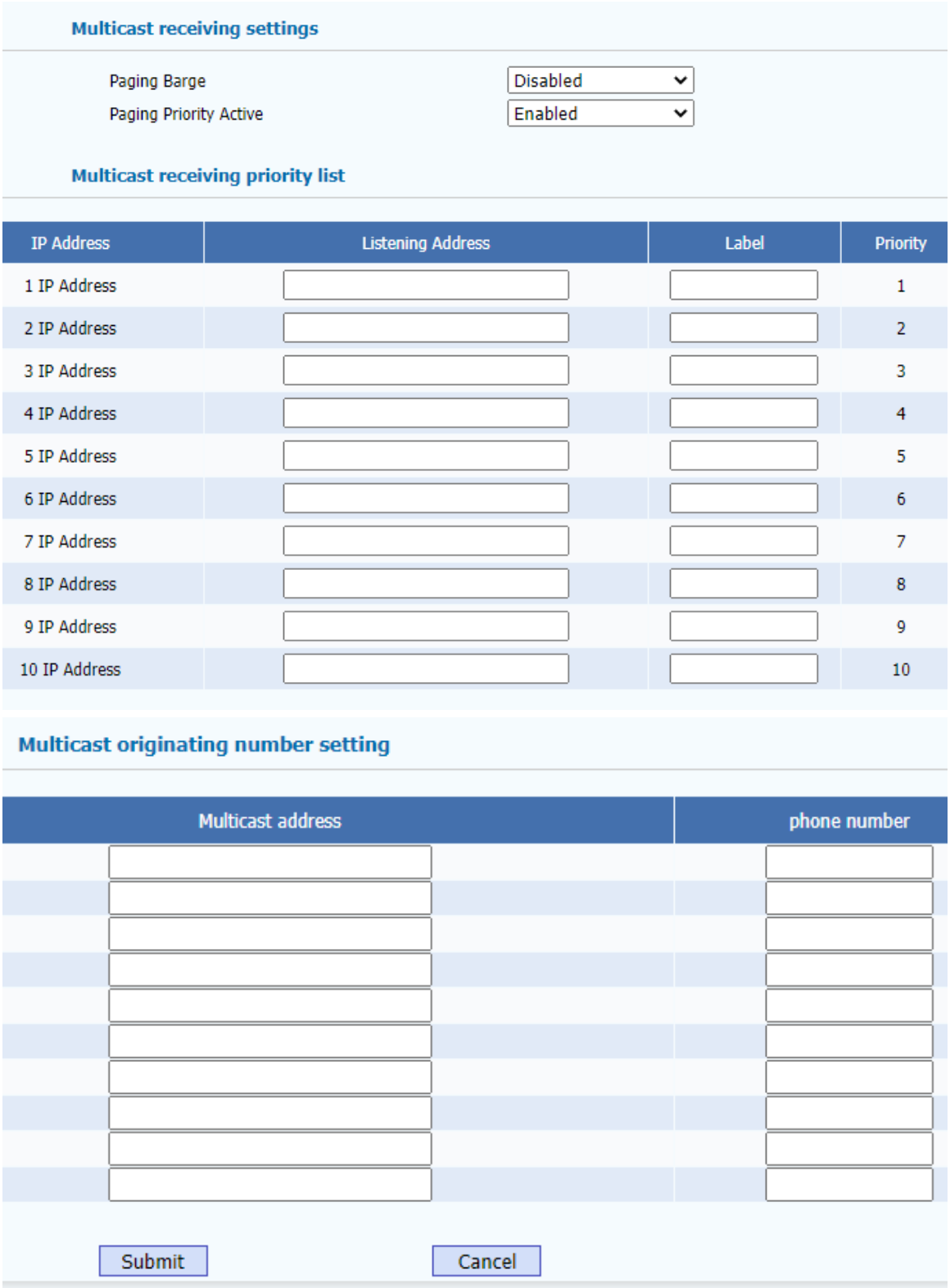
4.5.6 Action URL



Active	To configure Action URL. Default is disable(Enable or Disable).
Action URL	To configure a different Action URL.

4.5.7 Multicast

To configure Multicast Setting and Priority List parameters, see below.

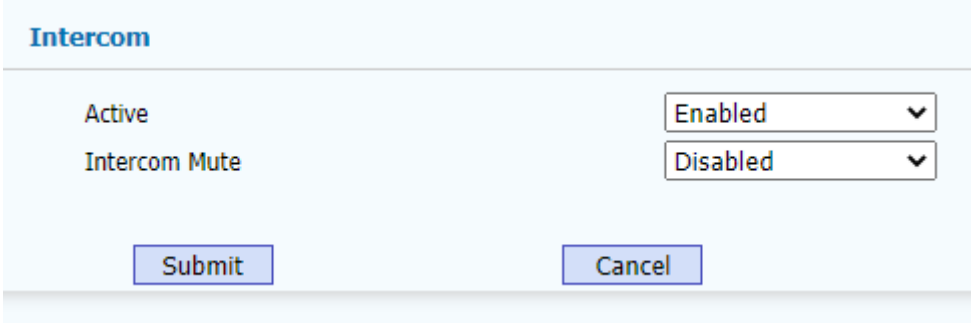


Multicast setting	**Paging Barge**: To configure the Multicast Paging Barge Priority, default is Disable. (Disable, 1/2/3/4/5/6/7/8/9/10)

	Paging Priority Active: The switch of Paging Priority Active; default is Disable (Enable or Disable).
Priority List	To display and configure Multicast Listening Address and Priority Level, which is the same as 1/2/3/4/5/6/7/8/9/10.

4.5.8 Intercom

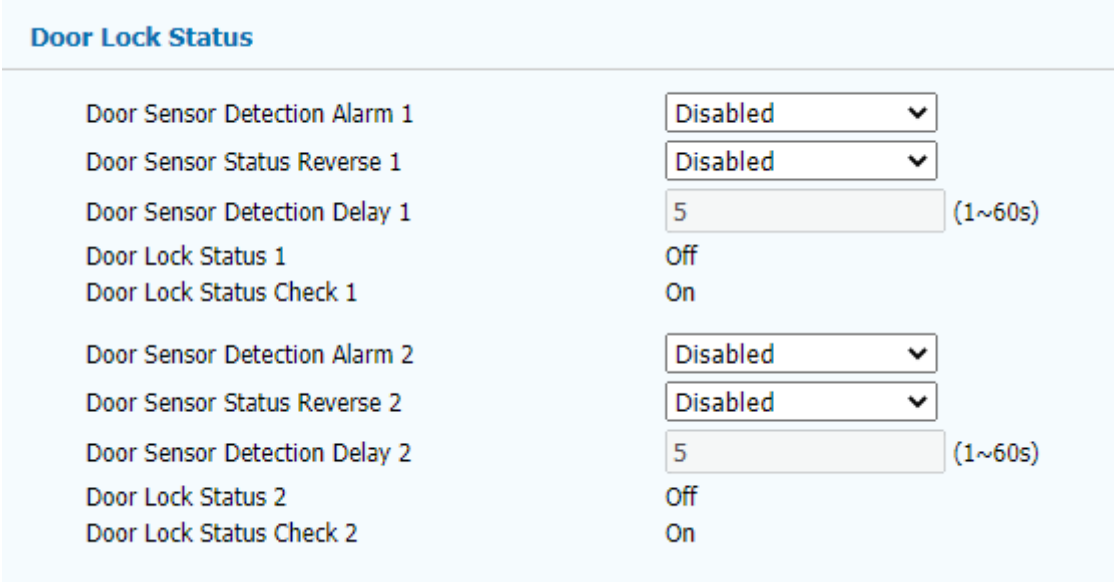
To configure Intercom feature parameters, based on address support, see below.

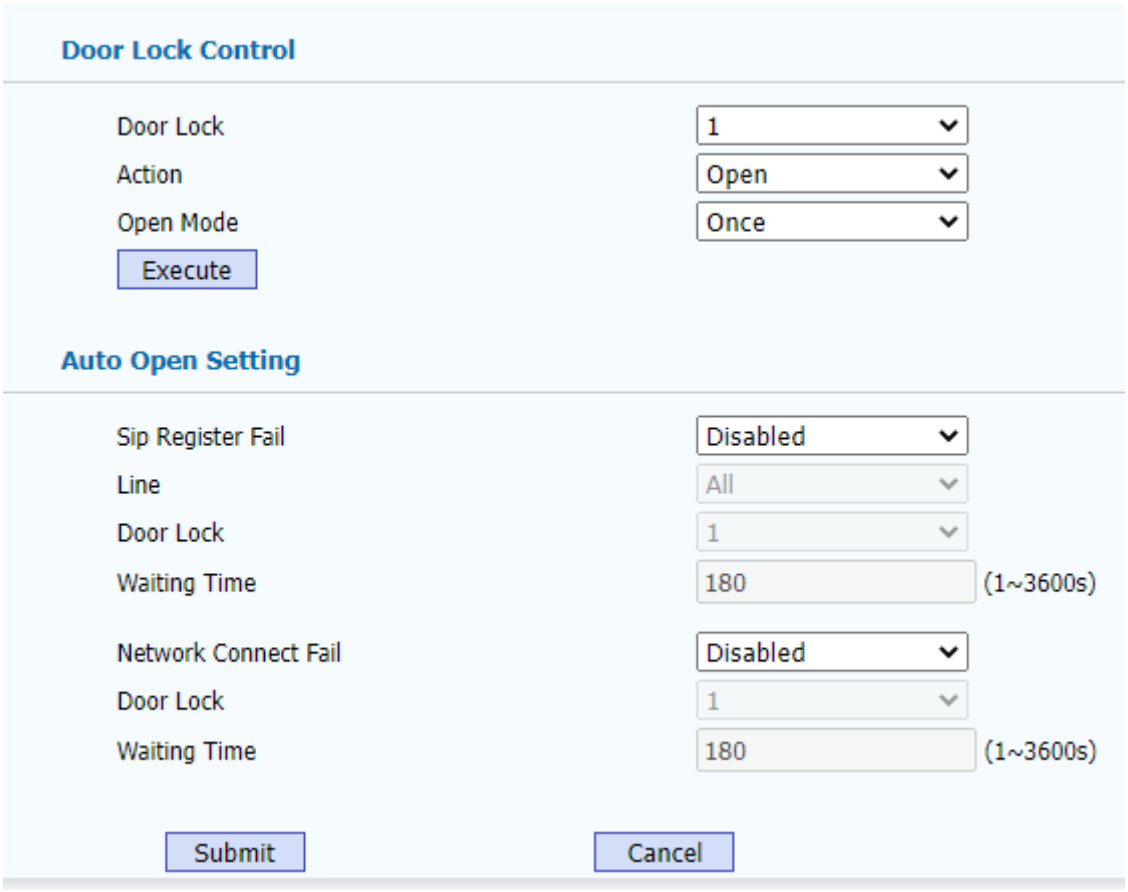


Active	To configure Intercom switch, default is disable (Enable or Disable).
Intercom Mute	To configure when intercom A calls in, intercom B got mute or not.

4.5.9 Door Lock

To display and configure user sensor and door lock status, door lock control, and auto opening setting, see below.



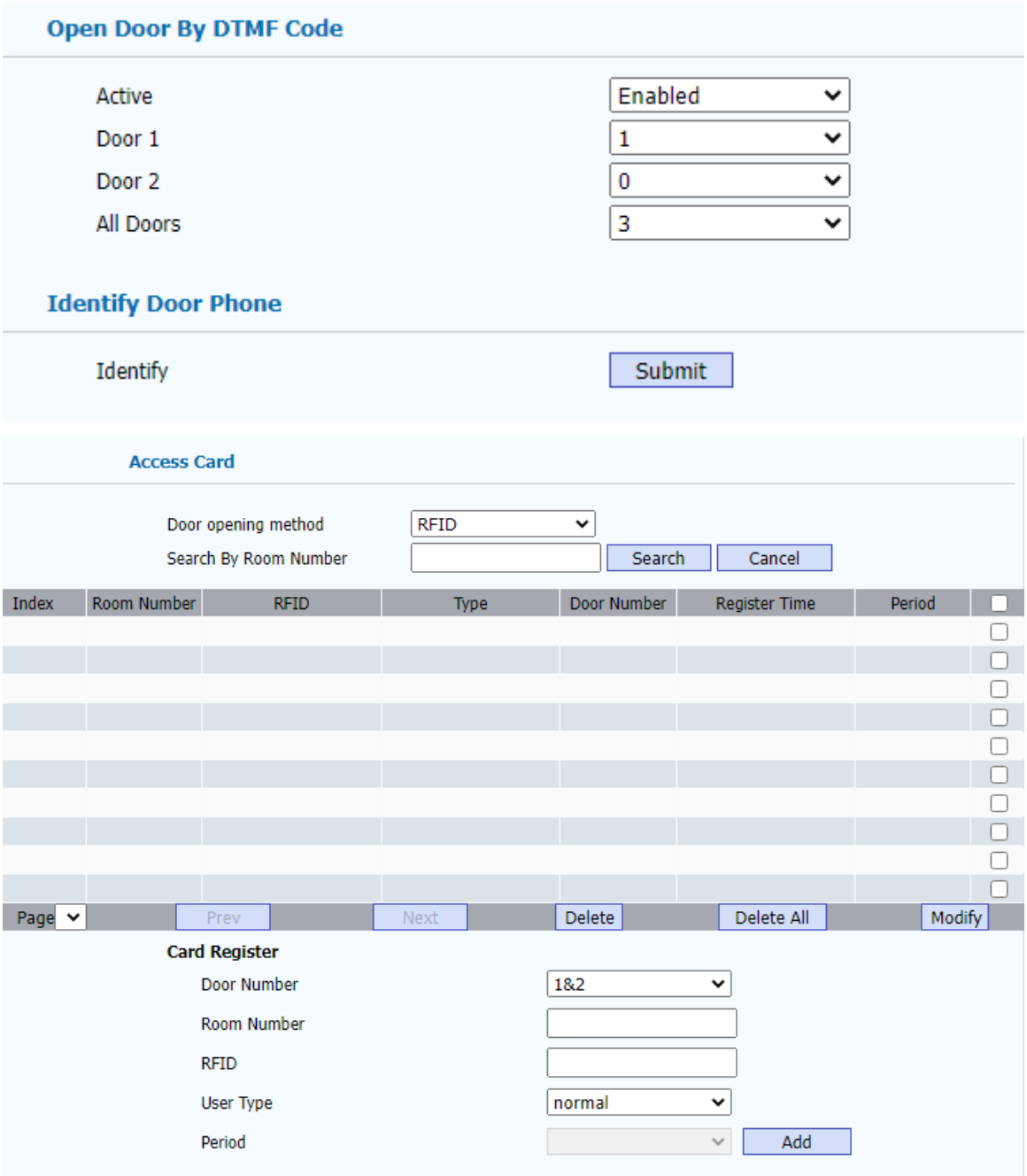


Door Lock statuses	To configure door sensor Detection Alarm. **Door Sensor Detection Alarm 1:** If door lock is closed, door sensor does not close, it will send an alert. **Door Sensor Status Reverse 1:** default is Disable. **Door Sensor Detection Delay 1:** To configure the duration after door lock close, default is 5s, (1-60s) **Door Sensor Detection Alarm 2:** If door lock2 is close, door sensor2does not close, it will send an alert. **Door Sensor Status Reverse 2:** default is Disable. **Door Sensor Detection Delay 2:** To configure the duration after door lock 2 is closed. Default is 5s, (1-60s)
Door Lock Control	To remotely control door lock via Web. **Door Lock:** To select the door you like (lock1,2,all) **Action:** To configure relative door operation, default is Open (Open or Close). **Open Mode:** default is Once (Once, Always).
Auto Open Setting	**SIP Register Fail:** To open the door lock when Sip Register Fails, default is Disable.

	Network Connection Failed: To open the door lock when Network Connection failed, default is Disable.

4.5.10 Access

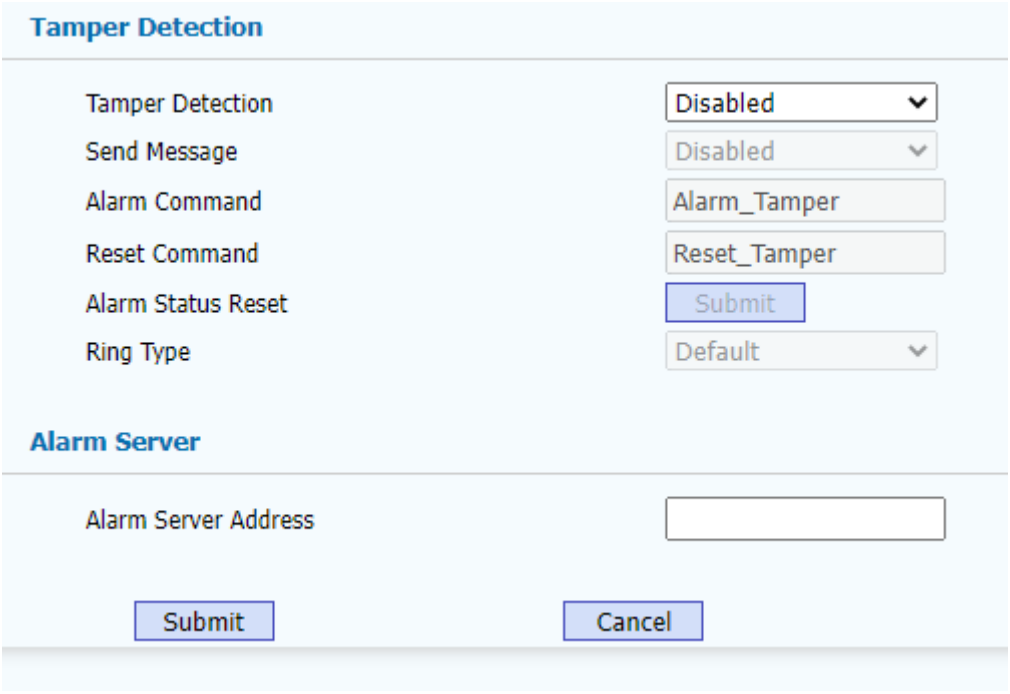
To display and configure the DTMF Code and card access switches, see below.



Open Door by DTMF Code	**Active:** default is Enable (Enabled or Disabled). **Door 1:** To configure Door 1's DTMF code,(0~9, *, #) **Door 2:** To configure Door 1's DTMF code,(0~9, *, #)

Identity Door Phone	Click “Submit” to identity Door Phone, then device will “beep” to help you know which door phone.
Access Card	To display and configure the card type and card register. **Card Type**: IC&ID card. **Password**: RFID card is not needed. **Search By Room Number:** search feature. **Card register:** Card user type includes Normal, Admin, Temp. **Note:** Admin card only for card issuing and card revoking; cannot be used for opening the door. Temp card valid date from 30min to 1 month.
Open Door By HTTP	To configure the open door via http protocol.

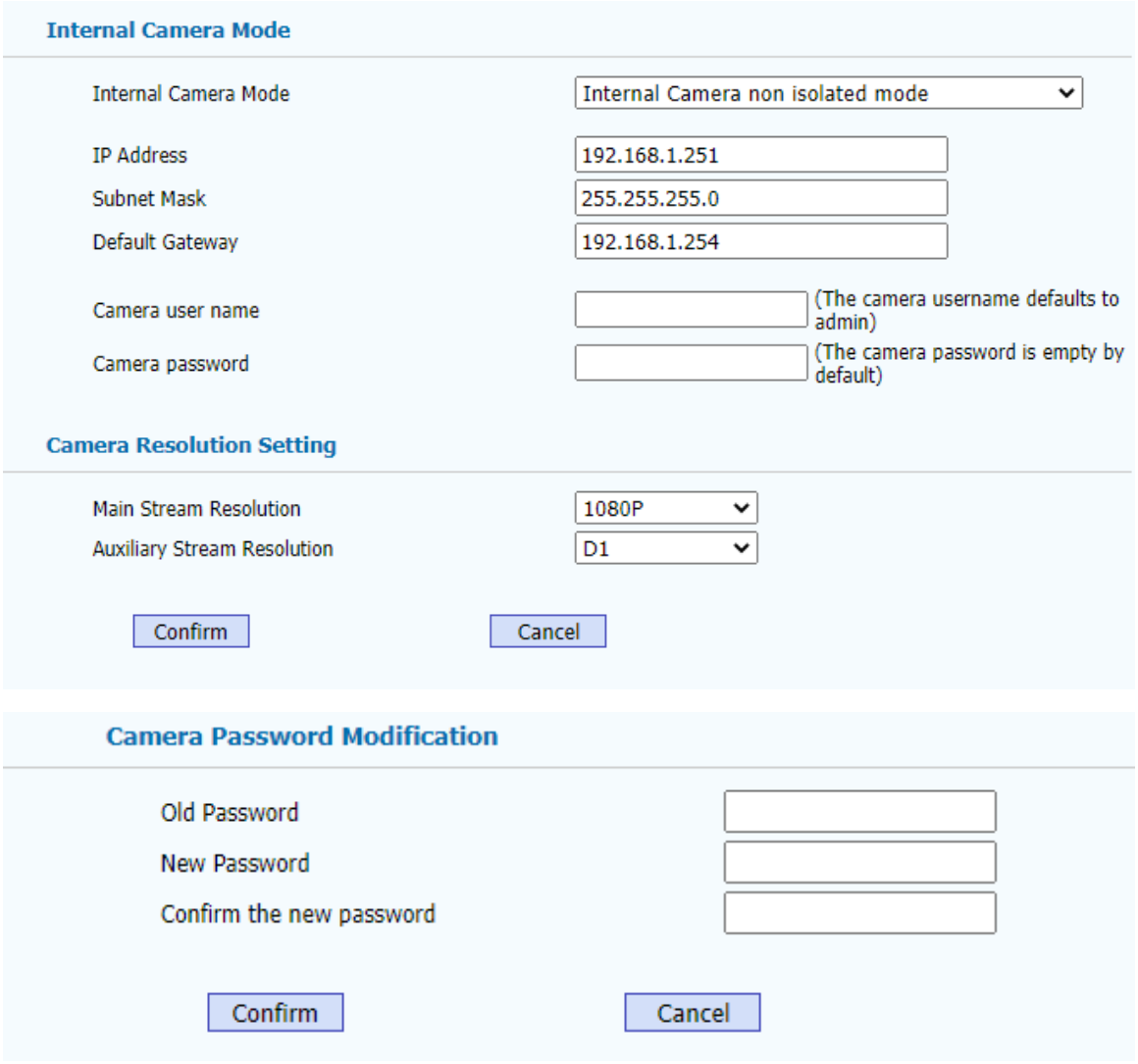
4.5.11 Alarm

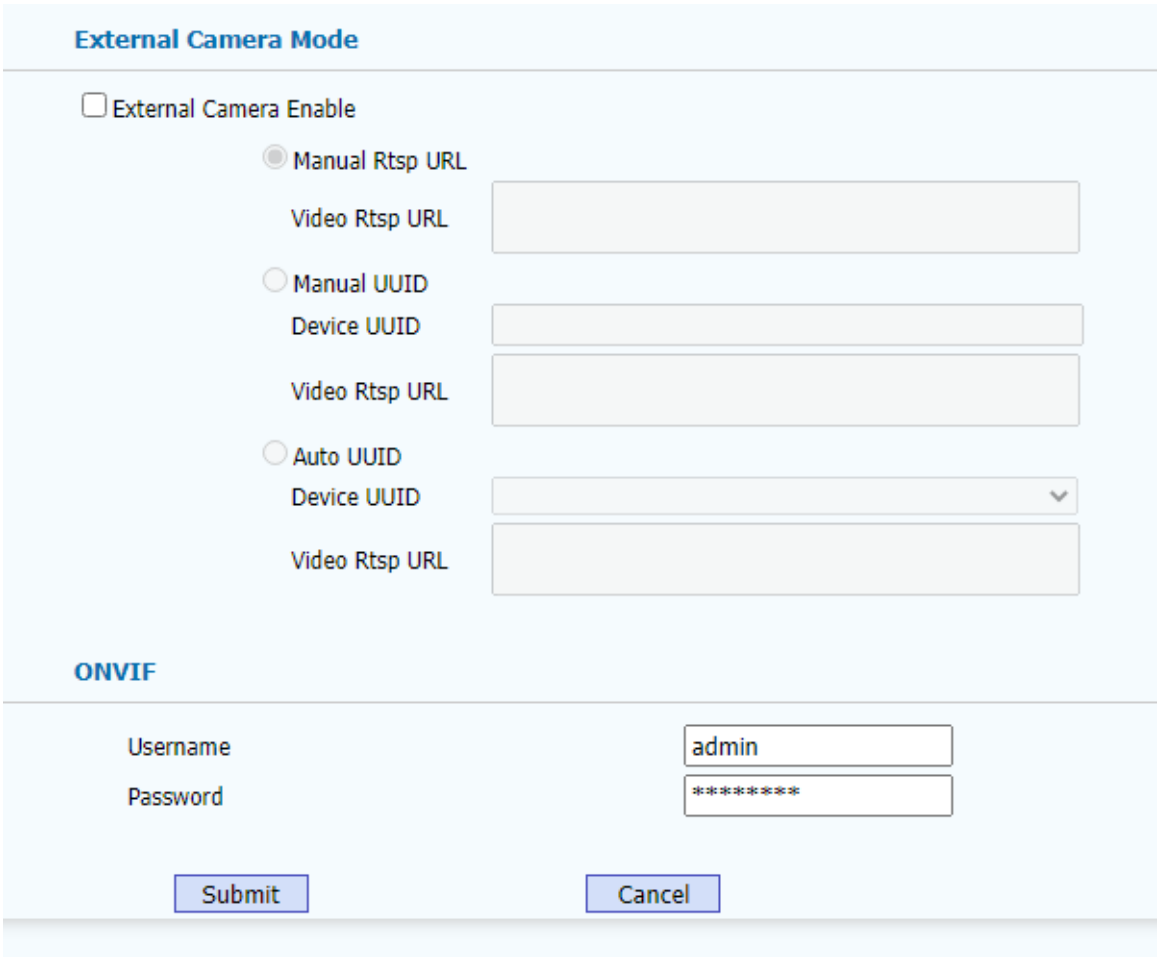


Tamper Detection	**Tamper Detection**: default is Disable (Enabled or Disabled). **Send Message**: send message after door phone is dismantled. **Alarm Command**: default is Alarm_Tamper. **Reset Command**: default is Reset_Tamper. **Alarm Status Reset**: To reset via Web. **Ring Type**: default
Alarm Server	To configure Alarm Server Address, it will auto send message to configured server once alerted.

4.5.12 Camera

To configure LAN camera UUID and WLAN camera UUID, and camera resolution, see below.





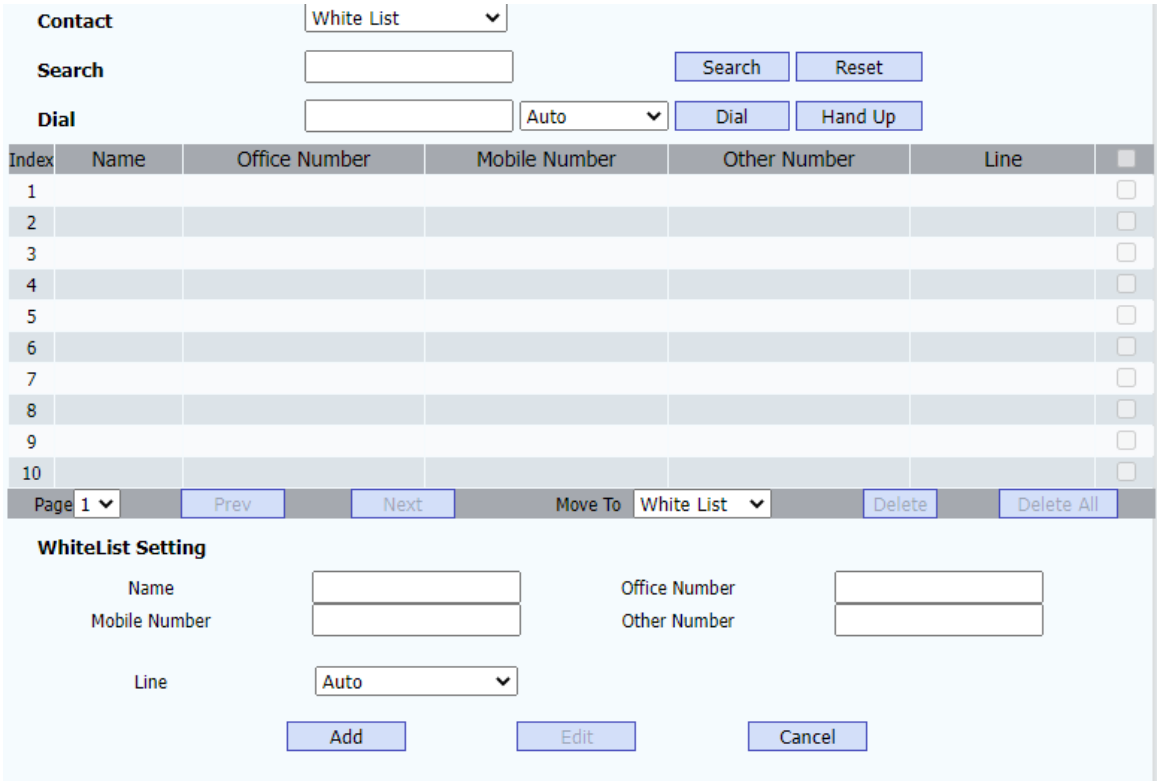
IP Camera	**Resolution**: default is 1280X720. **Default UUID**: fixed. Cannot be changed. **Custom**: To auto configure WLAN camera UUID and URL address of RTSP. Or manually configure WLAN camera UUID and URL address of RTSP.
ONVIF	To connect Onvif camera via its username and password.

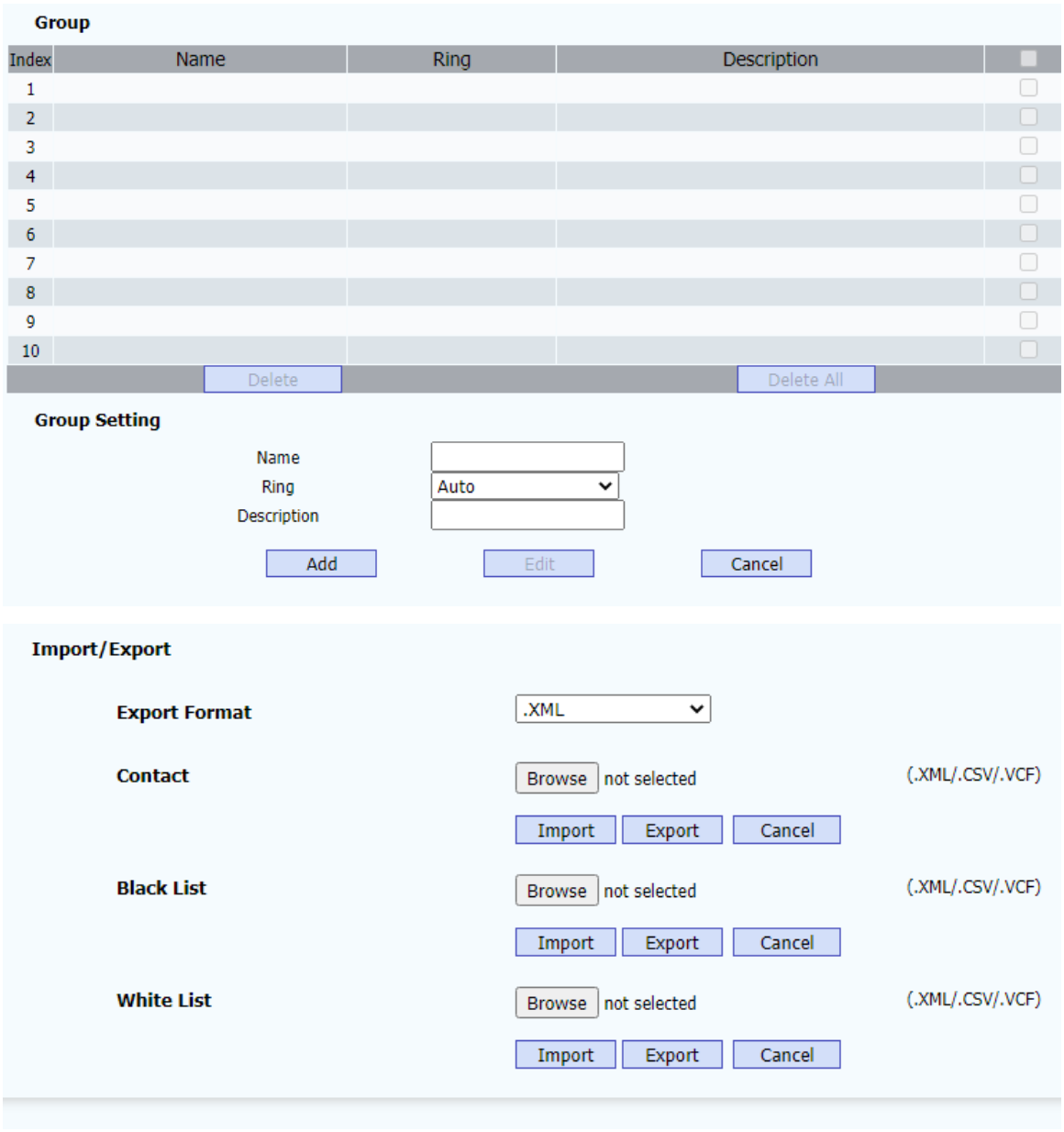
4.6 Phonebook

Phonebook on Web is to display and configure local Phonebook, remote Phonebook, call record lists and Broadsoft Phonebook.

4.6.1 Local Book

Local book display and configure contact local group, local contact add and delete, and local contact including All Contacts, White List, Black List, and Favorites. It also supports 3 types of export formats as shown below:

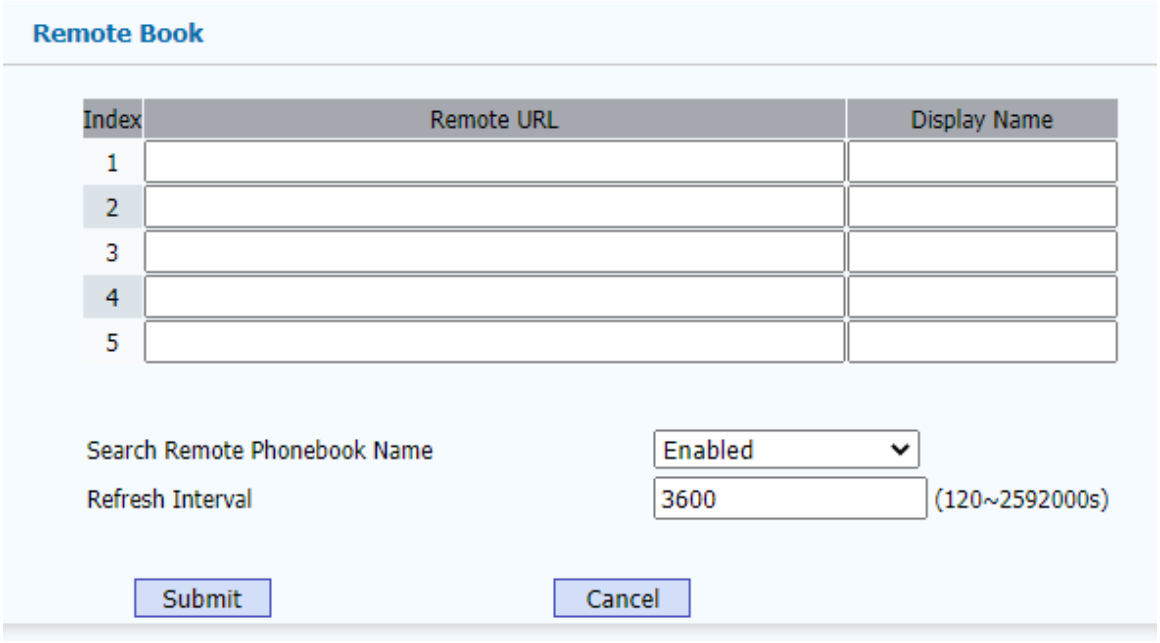




Contact	Default is White list, (All Contacts, White List, Black List, Favorites)
Search	Search Contact
Dial	Input a phone number here for calling out and hanging up via Web
List Setting	To edit contact's name, number.
Group	To configure contact group, max support 10 groups, and edit name, ring, and description for each group.
Export Format	To support 3 types (.XML/.CSV/.VCF)
Import and Export	To Import and Export for contact, white list and black list.
Note: After selecting White List, door phone only can call out to contact from white list.	

4.6.2 Remote Book

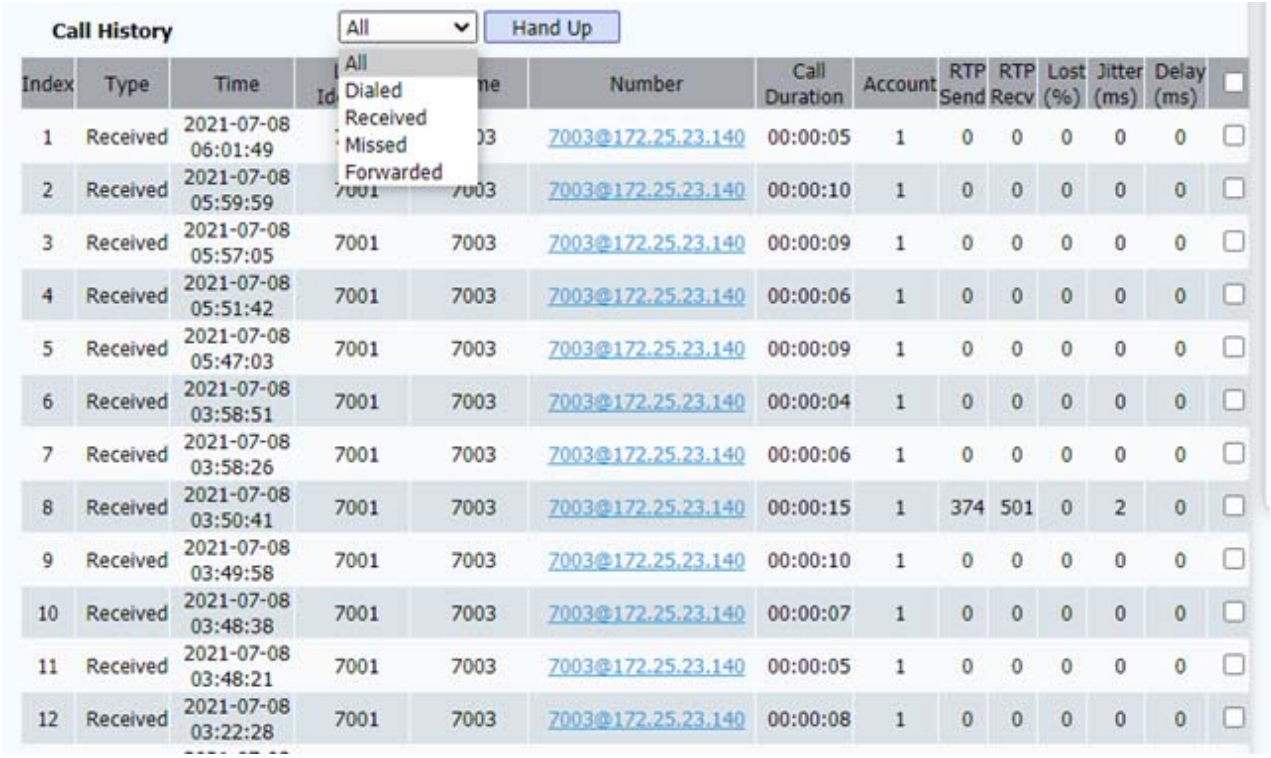
To display and configure remote door phone and its Refresh Interval, see below.



Remote Book	To configure remote book URL address and display name.
Search Remote Phonebook Name	Default is Enable (Enable or Disable).
Refresh Interval	The Refresh Interval is for receiving remote Phonebook name. Default is 3600s (120s- 2592000s).

4.6.3 Call History

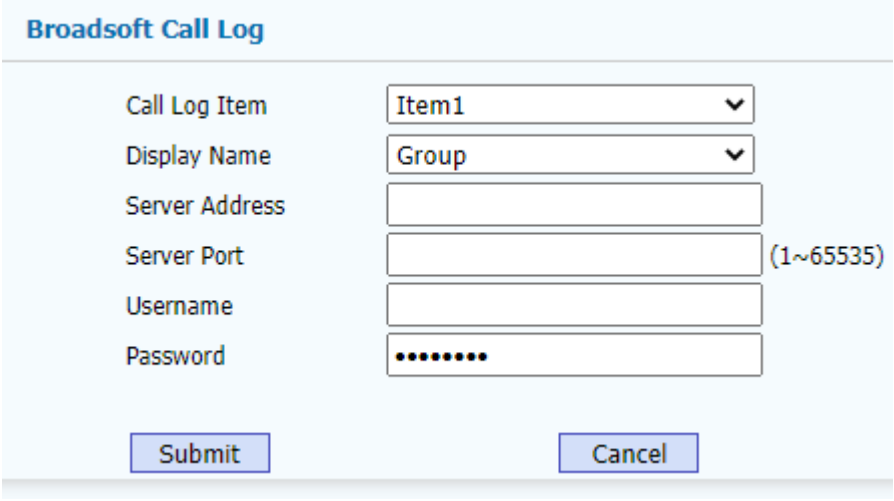
To display and classify different call logs, including All, Dialed, Received, Missed, Forwarded, see below:



Index	Type	Time	Id		Number	Call Duration	Account	RTP Send	RTP Recv	Lost (%)	Jitter (ms)	Delay (ms)	
1	Received	2021-07-08 06:01:49		03	7003@172.25.23.140	00:00:05	1	0	0	0	0	0	
2	Received	2021-07-08 05:59:59	7001	7003	7003@172.25.23.140	00:00:10	1	0	0	0	0	0	
3	Received	2021-07-08 05:57:05	7001	7003	7003@172.25.23.140	00:00:09	1	0	0	0	0	0	
4	Received	2021-07-08 05:51:42	7001	7003	7003@172.25.23.140	00:00:06	1	0	0	0	0	0	
5	Received	2021-07-08 05:47:03	7001	7003	7003@172.25.23.140	00:00:09	1	0	0	0	0	0	
6	Received	2021-07-08 03:58:51	7001	7003	7003@172.25.23.140	00:00:04	1	0	0	0	0	0	
7	Received	2021-07-08 03:58:26	7001	7003	7003@172.25.23.140	00:00:06	1	0	0	0	0	0	
8	Received	2021-07-08 03:50:41	7001	7003	7003@172.25.23.140	00:00:15	1	374	501	0	2	0	
9	Received	2021-07-08 03:49:58	7001	7003	7003@172.25.23.140	00:00:10	1	0	0	0	0	0	
10	Received	2021-07-08 03:48:38	7001	7003	7003@172.25.23.140	00:00:07	1	0	0	0	0	0	
11	Received	2021-07-08 03:48:21	7001	7003	7003@172.25.23.140	00:00:05	1	0	0	0	0	0	
12	Received	2021-07-08 03:22:28	7001	7003	7003@172.25.23.140	00:00:08	1	0	0	0	0	0	

Call History Types	Default is All (All, Dialed, Received, Missed, Forwarded).
Call out and Hang up from Call History	Click the port number in Call History, a Message will pop up “Are you sure to dial ?”

4.6.4 Broadsoft

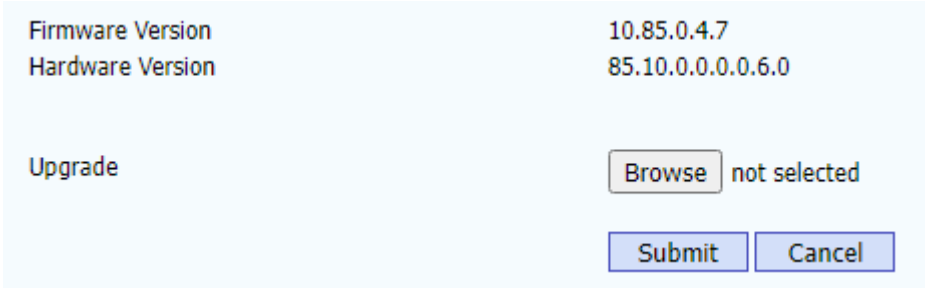


Call Log Item	Default Item 1, (Item1/2/3/4/5/6)
Display Name	To display Group, Enterprise, Group Common, Enterprise Common, Personal
Server Address	Server IP address
Server Port	N/A
Username/Password	N/A

4.7 Maintenance

To display and configure doorphone maintenance features, including Upgrade, Auto Provision, System Log, Network Capture, Configuration, PnP, Call Event, Reboot and Door Log.

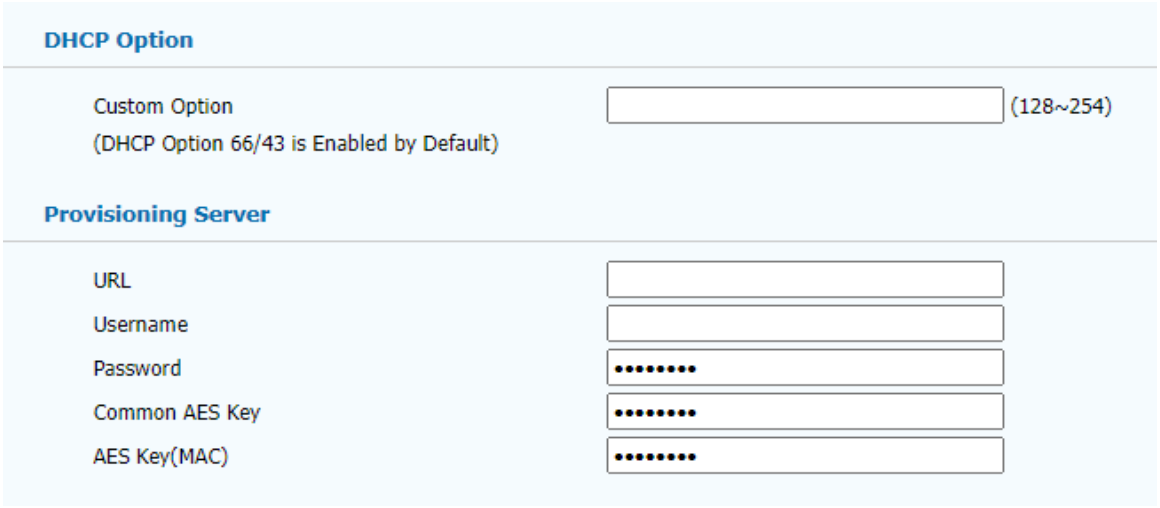
4.7.1 Upgrade

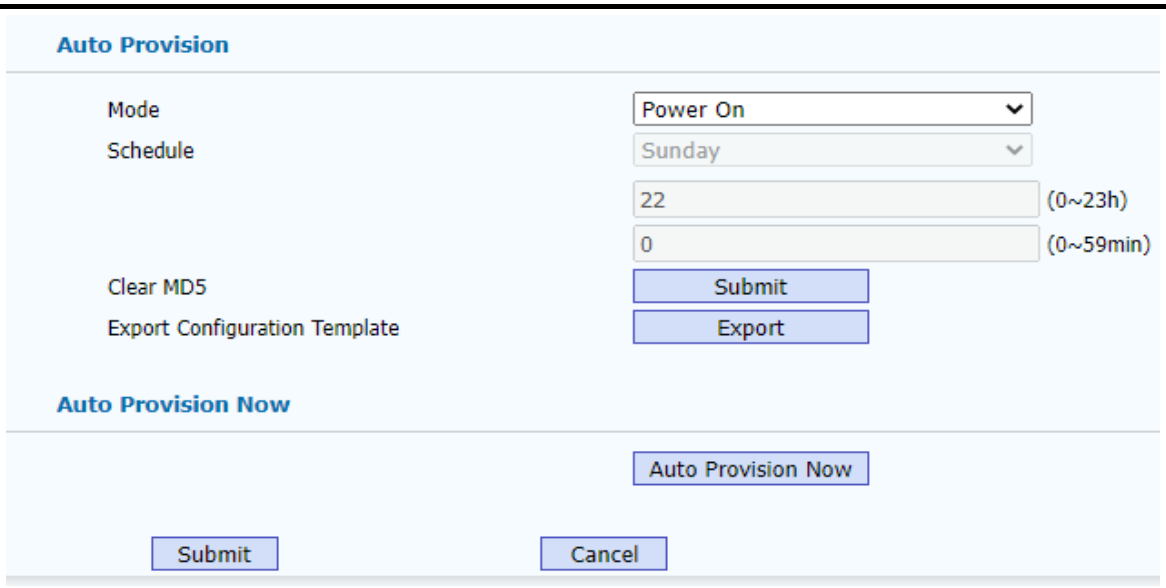


Version	The doorphone firmware and hardware version.
Upgrade	Click Browse to select a version file to upgrade from LAN.

4.7.2 Auto Provision

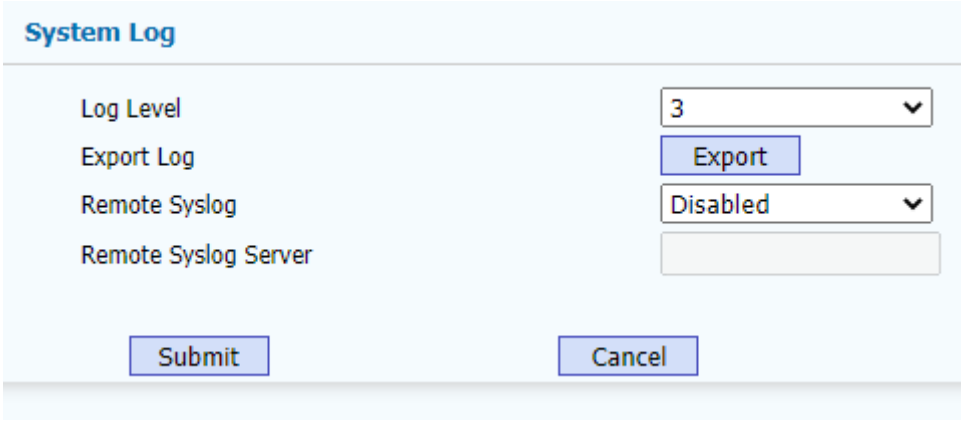
Auto Provision is used for configuring file upgrade, and upgrading mode setting and DHCP setting to receive SIP server address as shown below:





DHCP Option	To receive server ip address via DHCP custom option.
Provisioning server	To input the server URL address which is from the server you want, then fill out the username and password, Common AES Key, MAC-AES key. Then select “Power On” in Auto Provision and click “Auto Provision Now”, door phone will auto grade.
Auto Provision	Auto Provision Mode default is Power On, meaning doorphone will auto download configuration file like the server URL address. **Auto Provision Mode**: Disable, Power On, Repeatedly, Power On +Repeatedly, Hourly Repeat, Power On+ Hourly Repeat **Schedule**: The interval of Auto Provision Mode **Clear MD5**: Can upgrade again after Clearing MD5 **Export AutoP Configuration Template**: AutoP Configuration Template can be edited, and then put into server URL address.
Auto Provision Now	N/A

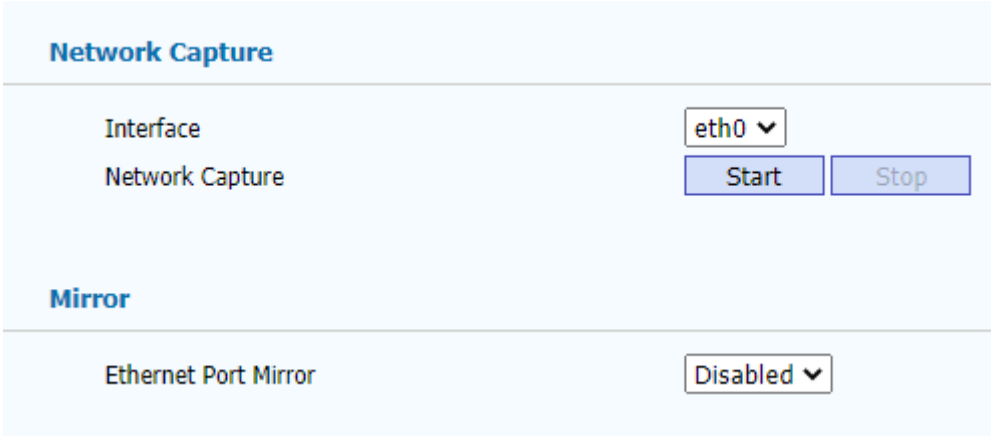
4.7.3 System log



Log Level	Default level is 3 (Level 1-7); the higher the level is, the more secure it will become.
Export Log	To troubleshoot after export log.
Remote Syslog	To send the doorphone system log to remote syslog server after selecting Enable.

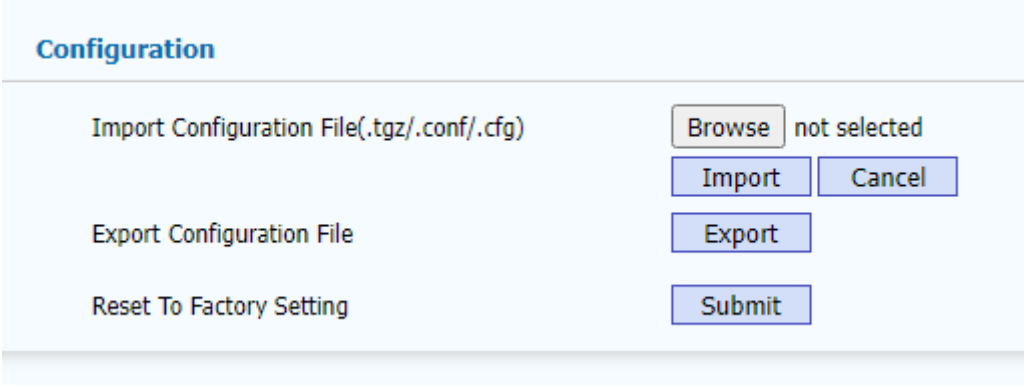
4.7.4 Network Capture

Network Capture now supports 2 interfaces -- default is “eth0” and the other is “VPN”.



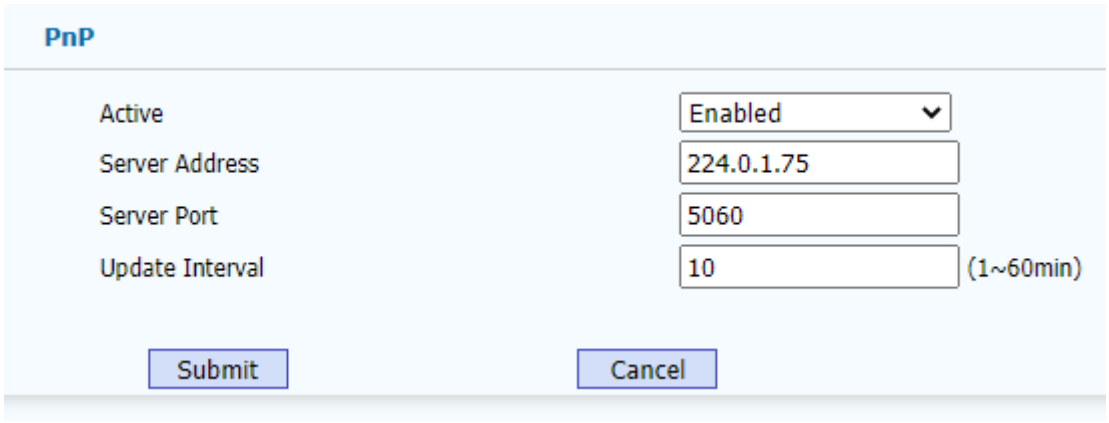
4.7.5 Configuration

To import and export configuration file, and reset to factory default setting, see below:



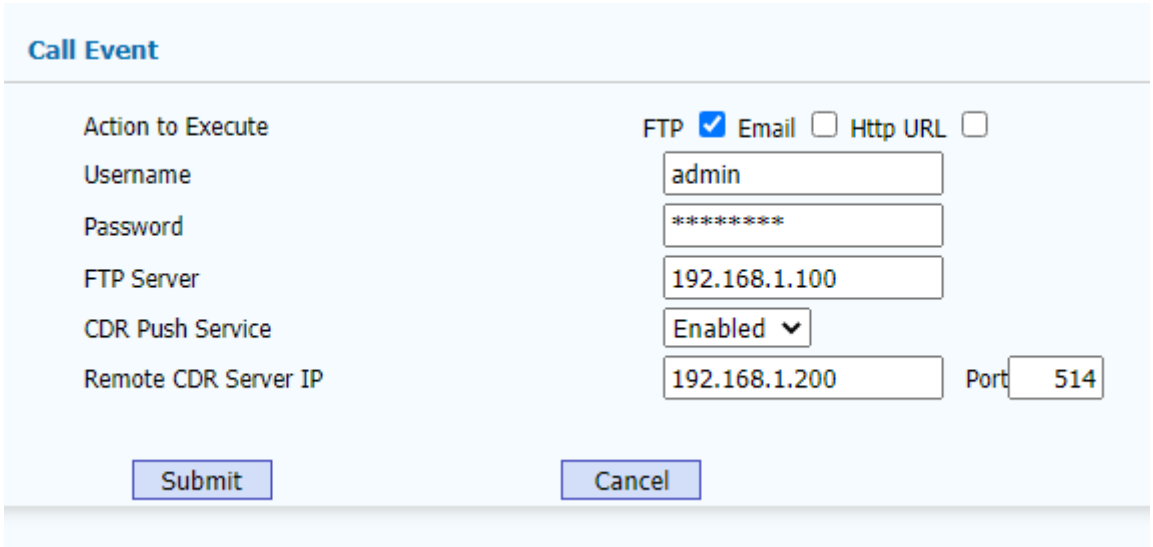
4.7.6 PnP

Doorphone sends subscribed news regularly to the PnP server, and PnP server will deploy the configuration files to doorphone, and will auto upgrade.



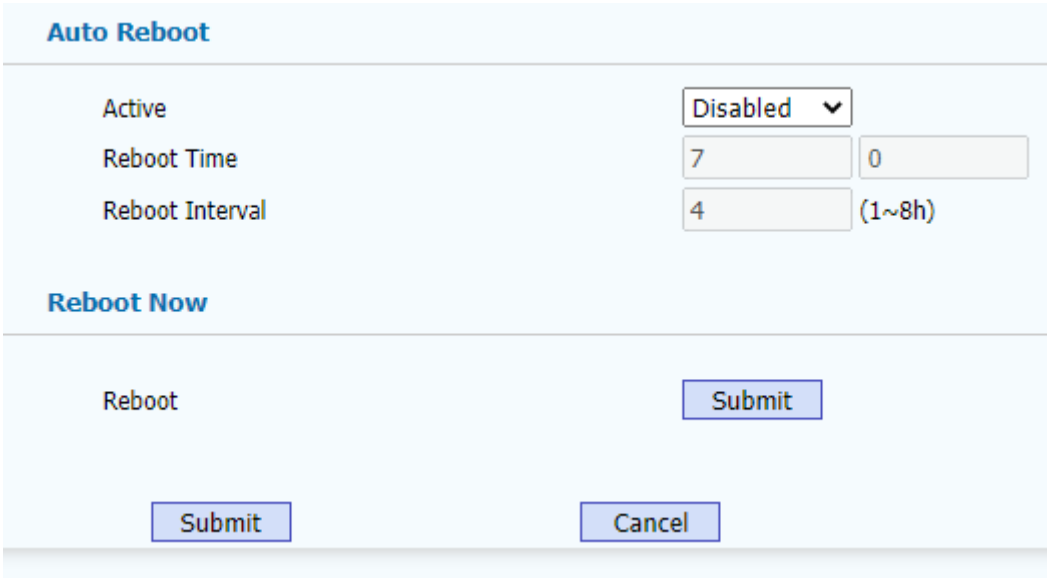
4.7.7 Call Event

Through CDR, FTP or HTTP URL, Call Event can push service to server ip address.



4.7.8 Reboot

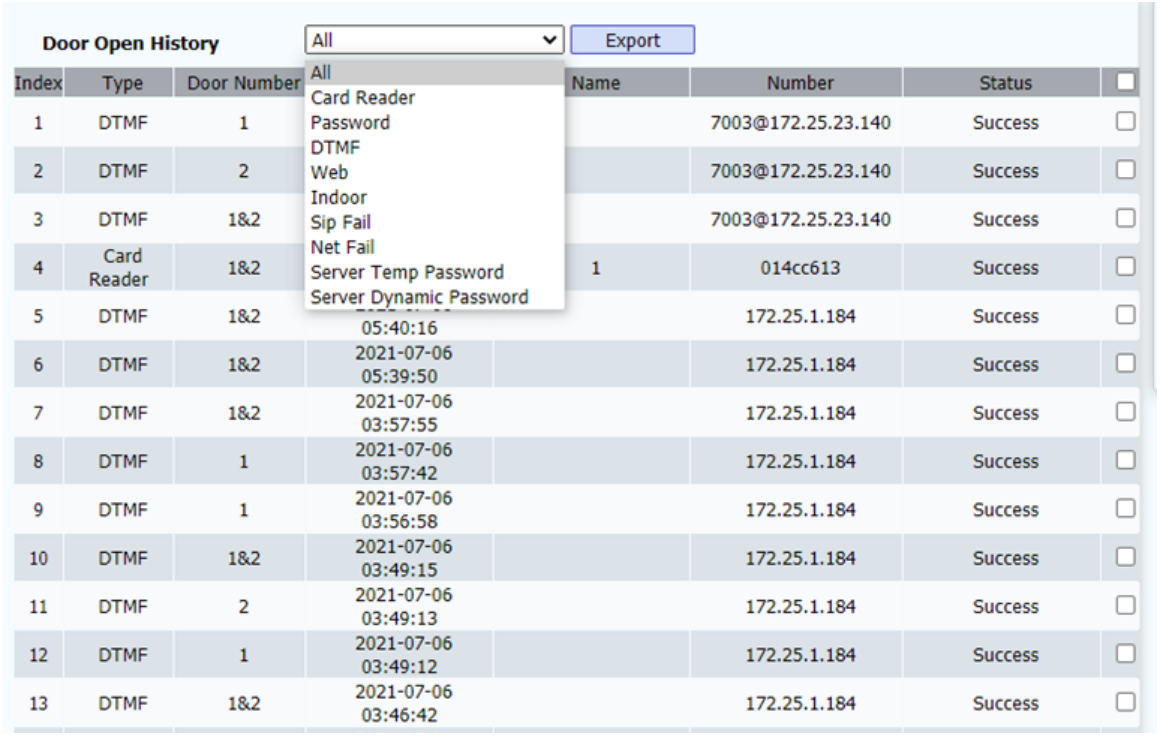
To reboot doorphone.



Auto Reboot	**Active**: To configure Disable (Disable, Every Day, Repeatedly) **Reboot Time**: If “Active- Every Day” is selected, you can set this Reboot Time, for example, “22:00”. Then doorphone will reboot at 22:00 every day. **Reboot Interval**: If ”Active-Repeatedly” is selected, you can set this Reboot Interval, for example, “8h”. The door phone will reboot every 8hr.
Reboot Now	Restart.

4.7.9 Door Log

To display door access record, and currently support All, Card Reader, Password, DTMF, Web, Indoor, SIP Fail, Net Fail, Server Temp Password and Server Dynamic Password, and also support door open record export.



Door Open History

All ▼ Export

- All
- Card Reader
- Password
- DTMF
- Web
- Indoor
- Sip Fail
- Net Fail
- Server Temp Password
- Server Dynamic Password

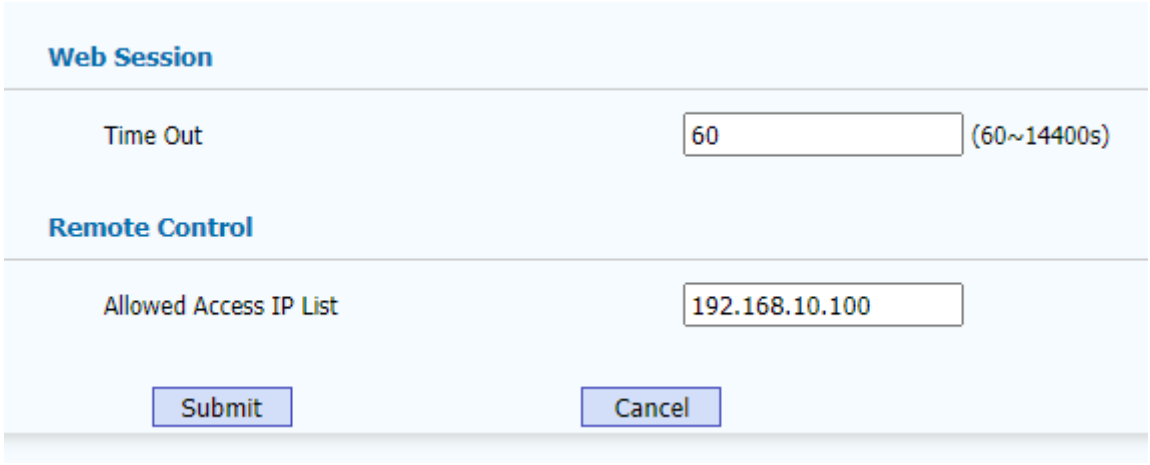
Index	Type	Door Number		Name	Number	Status	
1	DTMF	1			7003@172.25.23.140	Success	☐
2	DTMF	2			7003@172.25.23.140	Success	☐
3	DTMF	1&2			7003@172.25.23.140	Success	☐
4	Card Reader	1&2		1	014cc613	Success	☐
5	DTMF	1&2	05:40:16		172.25.1.184	Success	☐
6	DTMF	1&2	2021-07-06 05:39:50		172.25.1.184	Success	☐
7	DTMF	1&2	2021-07-06 03:57:55		172.25.1.184	Success	☐
8	DTMF	1	2021-07-06 03:57:42		172.25.1.184	Success	☐
9	DTMF	1	2021-07-06 03:56:58		172.25.1.184	Success	☐
10	DTMF	1&2	2021-07-06 03:49:15		172.25.1.184	Success	☐
11	DTMF	2	2021-07-06 03:49:13		172.25.1.184	Success	☐
12	DTMF	1	2021-07-06 03:49:12		172.25.1.184	Success	☐
13	DTMF	1&2	2021-07-06 03:46:42		172.25.1.184	Success	☐

4.8 Security

To display and configure the Web Password Modify, Web Session, SSH, Remote Control Address IP list, Web Server Certificate and Client Certificate.

4.8.1 Basic

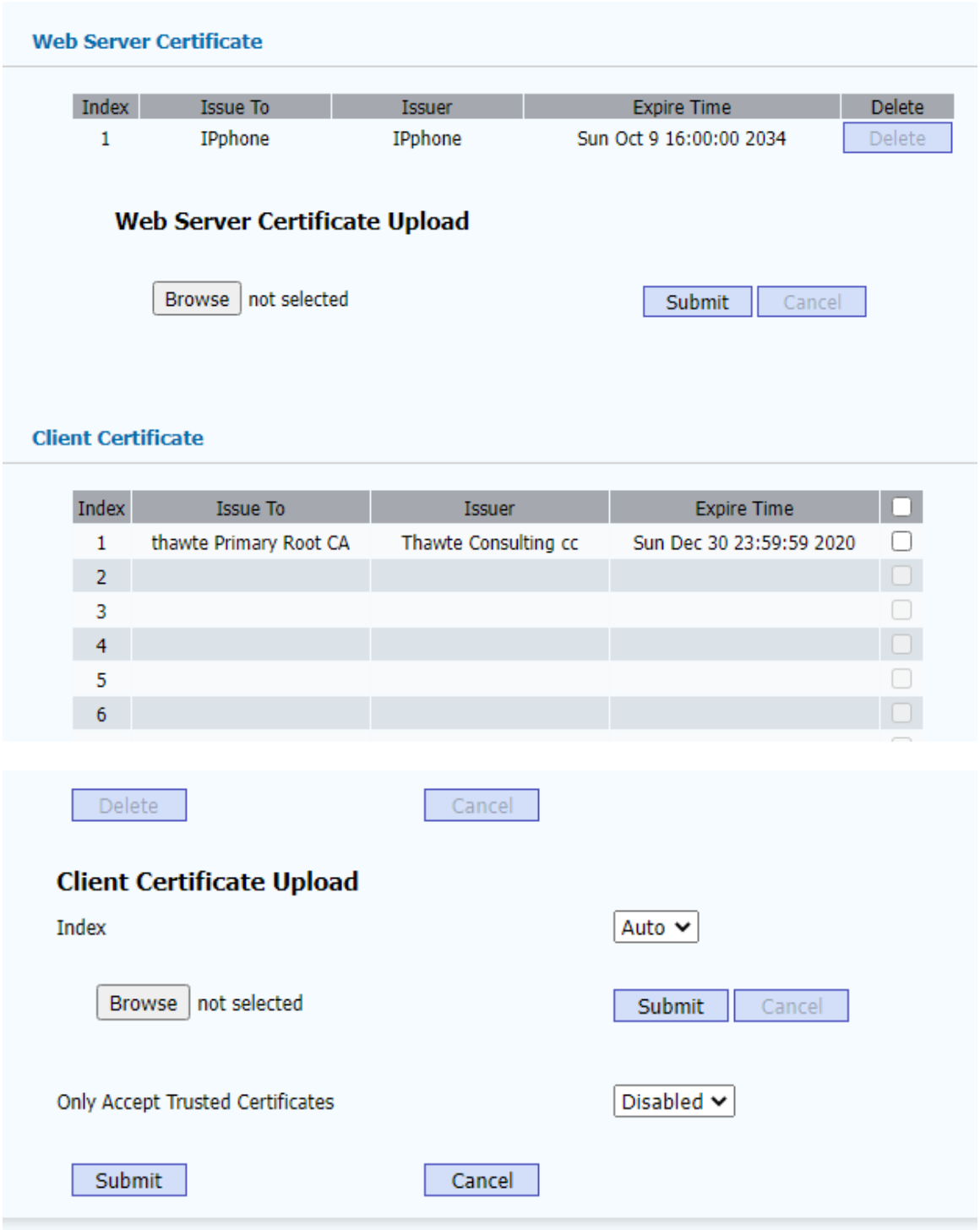
To display and configure the Web Password Modify, Web Session, SSH, and Remote Control Address IP list.



Web Password Modify	Supports 2 accounts, admin and user
Web Session	To configure interval of Web Session time out, meaning Web will be back to the login page if operation is inactive for a long time.
SSH	To configure SSH login into the shell web page, default is Enable.
Remote Control Allowed Access IP List	To configure remote control allowed access IP list to the doorphone.

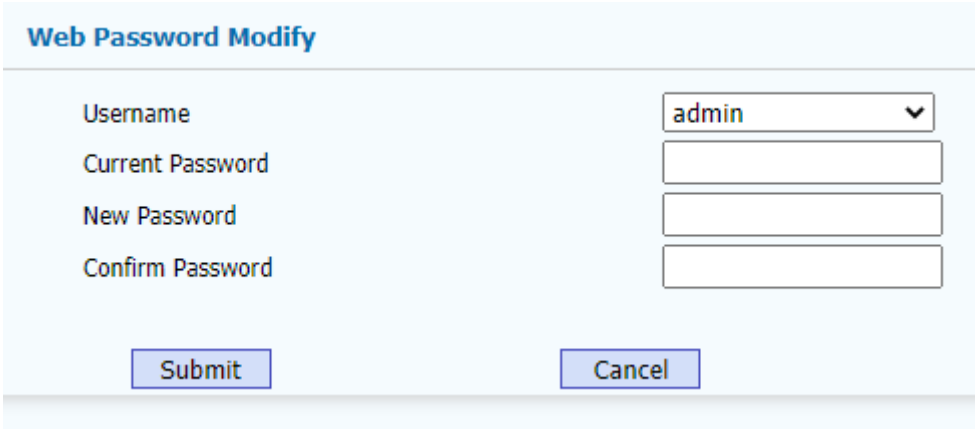
4.8.2 Advanced

To configure uploading the Web Server Certificate and Client Certificate, and also see whether these certificates are valid or not, see below:


Web Server Certificate
Index
Issue To
Issuer
Expire Time
Delete
1
IPphone
IPphone
Sun Oct 9 16:00:00 2034
Delete
Web Server Certificate Upload
Browse
not selected
Submit
Cancel
Client Certificate
Index
Issue To
Issuer
Expire Time
1
thawte Primary Root CA
Thawte Consulting cc
Sun Dec 30 23:59:59 2020
2
3
4
5
6
Delete
Cancel
Client Certificate Upload
Index
Auto
Browse
not selected
Submit
Cancel
Only Accept Trusted Certificates
Disabled
Submit
Cancel

4.8.3 Modify password

To display and configure the Web Password Modify, Web Session, SSH and Remote Control Address IP list.



Web Password Modify	Support 2 accounts, admin & user

Appendix A: Troubleshootings

If the following fixes cannot troubleshoot your problems, contact the supplier where the purchase is made or PLANET technical support team.

Problem 1: Speed dial button light is not on

Check the AC power adapter to make sure it is the original power adapter. Check the power outlet. Make sure that the power supply of the outlet into which you plug the device is working properly. Try to plug another device into the outlet to make sure it can power up normally.

Problem 2: Can't access the web interface

Check the connection between the PC port of the device and the computer network port to make sure everything is working.

Check if the IP address of the device is correct.

If it is a LAN, make sure that there is no conflict with the IP addresses of other devices on the network.

Problem 3: Unable to call

Please check the network connection status of the device. If there is any abnormality, please check the network connection.

If the network connection is normal, please check whether the device has been successfully registered.

If the network connection and registration are normal, please confirm whether the dialing rules are correct, or contact the service op.

Appendix B: Time Zone

Time Zone	Time Zone Name
-11	Samoa
-10	United States - Hawaii-Aleutian
-10	United States - Alaska-Aleutian
-9	United States - Alaska Time
-8	Canada (Vancouver,Whitehorse)
-8	Mexico (Tijuana,Mexicali)
-8	United States - Pacific Time
-7	Canada (Edmonton,Calgary)
-7	Mexico (Mazatlan,Chihuahua)
-7	United States-Mountain Time
-7	United States-MST no DST
-6	Canada-Manitoba (Winnipeg)
-6	Chile (Easter Islands)
-6	Mexico (Mexico City,Acapulco)
-6	United States-Central Time
-5	Bahamas (Nassau)
-5	Canada (Montreal,Ottawa,Quebec)
-5	Cuba (Havana)
-5	United States-Eastern Time
-4:30	Venezuela (Caracas)
-4	Canada (Halifax,Saint John)
-4	Chile (Santiago)
-4	Paraguay (Asuncion)
-4	United Kingdom-Bermuda (Bermuda)
-4	United Kingdom (Falkland Islands)

-4	Trinidad & Tobago
-4	Curaçao
-3:30	Canada - New Foundland (St.Johns)
-3	Denmark – Greenland (Nuuk)
-3	Argentina (Buenos Aires)
-3	Brazil (no DST)
-3	Brazil (DST)
-2	Brazil (no DST)
-1	Portugal (Azores)
0	GMT
0	Greenland
0	Denmark-Faroe Islands (Torshaven)
0	Ireland (Dublin)0 Portugal (Lisboa,Porto,Funchal)
0	Spain-Canary Islands (Las Palmas)
0	United Kingdom (London)
0	Morocco
1	Poland (Warsaw)
1	Albania (Tirane)
1	Austria (Vienna)
1	Belgium (Brussels)
1	Caicos
1	Chatham
1	Croatia (Zagreb)
1	Czech Republic (Prague)
1	Denmark (Copenhagen)
1	France (Paris)
1	Germany (Berlin)
1	Hungary (Budapest)

1	Italy (Rome)
1	Luxembourg (Luxembourg)
1	Makedonia (Skopje)
1	Netherlands (Amsterdam)
1	Namibia (Windhoek)
2	Estonia (Tallinn)
2	Finland (Helsinki)
2	Gaza Strip (Gaza)
2	Greece (Athens)
2	Israel (Tel Aviv)
2	Jordan (Amman)
2	Latvia (Riga)
2	Lebanon(Beirut)
2	Moldova (Kishinev)
2	Russia (Kaliningrad)
2	Romania (Bucharest)
2	Syria (Damascus)
2	Turkey (Ankara)
2	Ukraine(Kyiv,Odessa)
3	East Africa Time
3	Iraq (Baghdad)
3	Russia (Moscow)
3	30 Iran(Teheran)
4	Armenia (Yerevan)
4	Azerbaijan (Baku)
4	Georgia (Tbilisi)
4	Kazakstan (Aqtau)
4	Russia (Samara)

5	Kazakstan (Aqtobe)
5	Kyrgyzstan (Bishkek)
5	Pakistan (Islamabad)
5	Russia (Chelyabinsk)
5	Russia (Yekaterinburg)
+5:30	India (Calcutta)
6	Kazakstan (Astana,Almaty)
6	Russia (Novosibirsk,Omsk)
7	Russia (Krasnoyarsk)
7	Thailand (Bangkok)
8	China (Beijing)
8	Singapore
8	Australia (Perth)
9	Korea (Seoul)
9	Japan (Tokyo)
+9:30	Australia (Adelaide)
+9:30	Australia (Darwin)
10	Australia (Sydney,Melbourne,Canberra)
10	Australia (Brisbane)
10	Australia (Hobart)
10	Russia (Vladivostok)
+10:30	Australia (Lord Howe Islands)
11	New Caledonia (Noumea)
12	New Zealand (Wellington,Auckland)
+12:45	New Zealand (Chatham Islands)
13	Tonga (Nukualofa)