Intercom Quick Installation Guide

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DP20 Intercom

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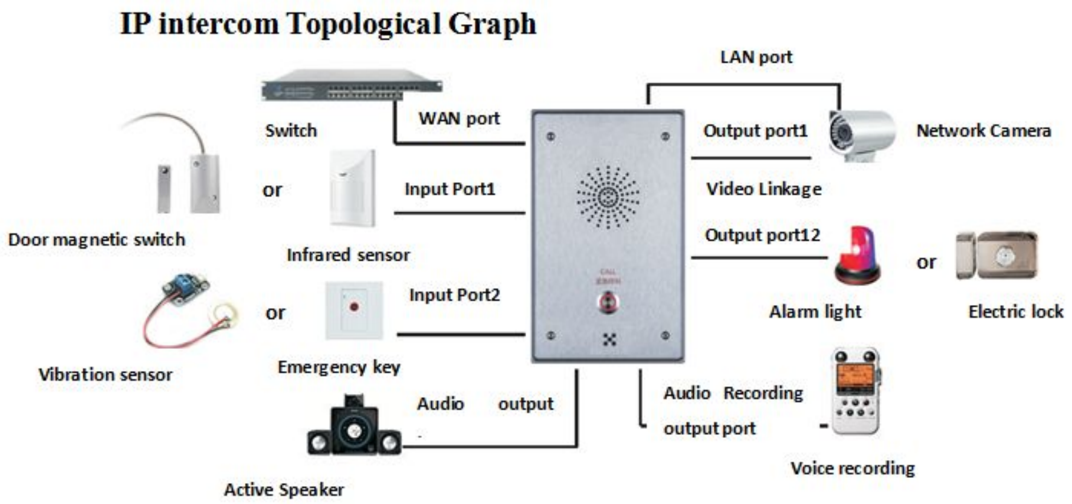
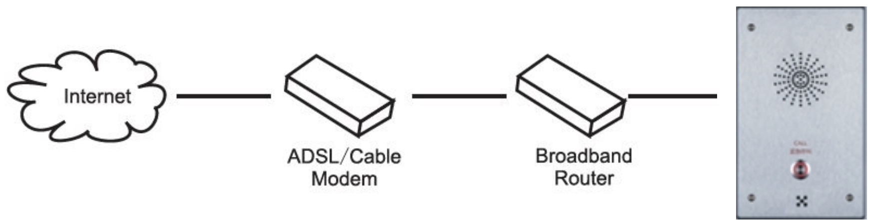


Step One: Connect to the network

Connect the end of network cable to the device WAN port, another end is connected to the LAN port of the router, then the hardware connection is completed. Normally, you should set your network to DHCP mode.



Users can call the same group of people through the VOIP phone, PC or mobile phone SIP phone software, and realizes remote control to the device(such as a door lock, Alarm lamp etc.)

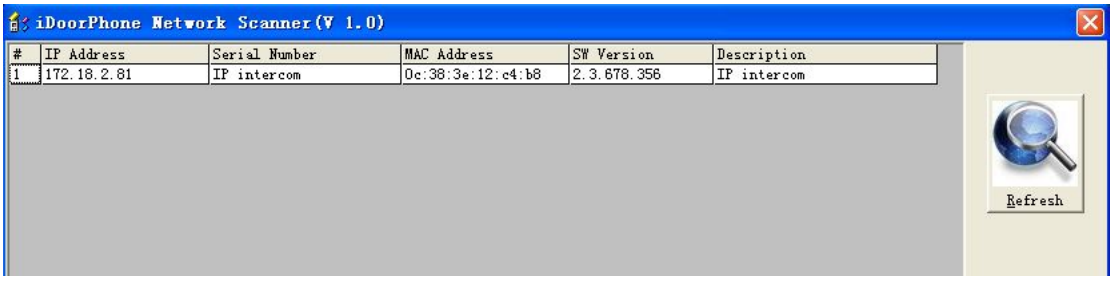
Voice Intercom Configuration

Step Two: Get the device IP Address:

Methods:

1. Use the default IP scanner tool to get it: iDoorPhoneNetworkScanner

1) Install the scanner tool: iDoorPhoneNetworkScanner;
2) Ensure the working computer (installing IP scanner tool, exe.) is in the same local network with the corresponding device;
3) Run the tool (iDoorPhoneNetworkScanner.exe), to search the IP address of corresponding device within the network.



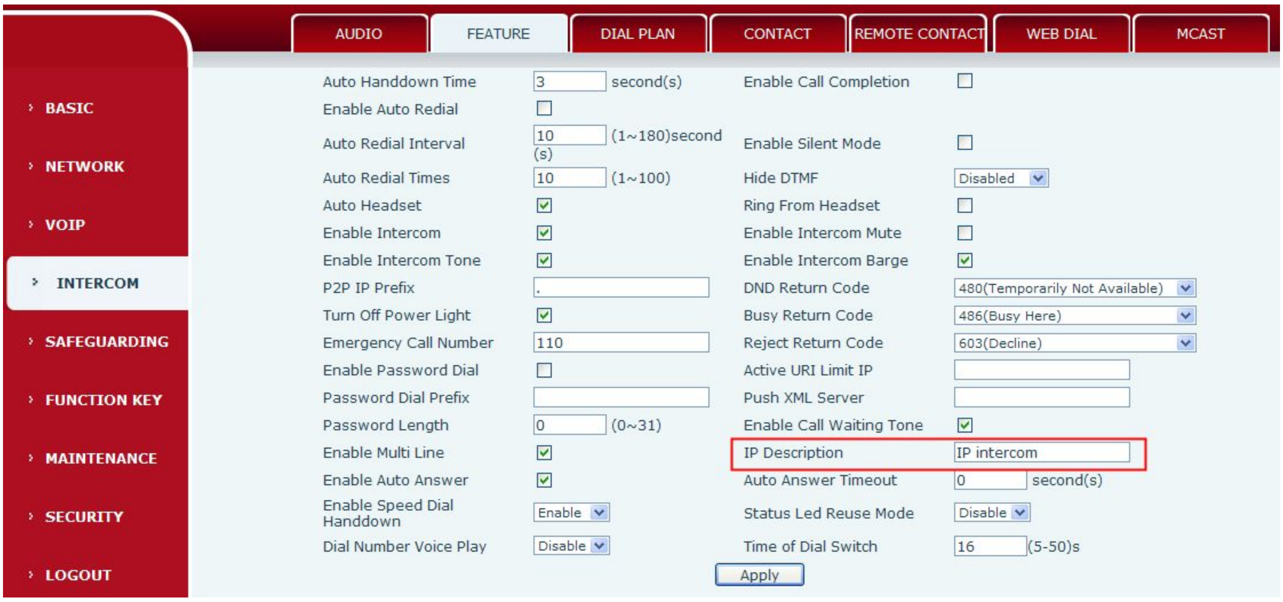
Method 2: Long Press "#"key for 3 seconds, the intercom will report the IP numbers by itself.

Step Three: Log in the WEB admin interface of the device

Input IP address (e.g.: [http://192.168.1.149)](http://192.168.1.149) the Web browser, the default user name: admin, password: admin.

Voice Intercom Configuration

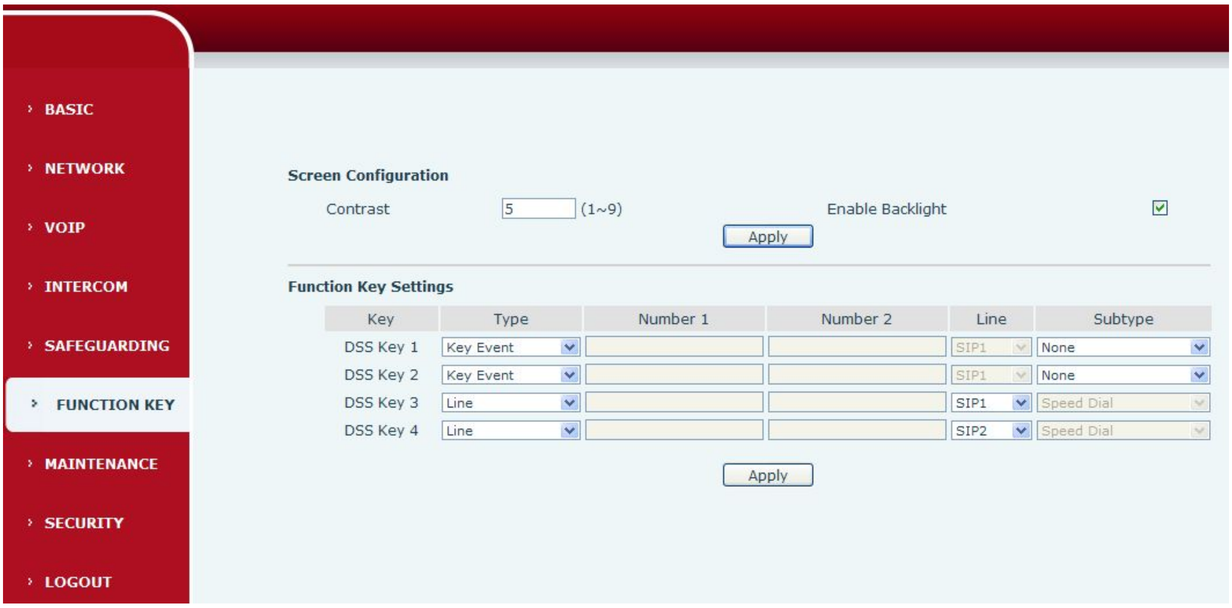
Step Four: Modify the device description



Step Five: Add SIP account

Voice Intercom Configuration

Step Six: DSS key Configuration method



Intercom software can support up to four DSS key functions

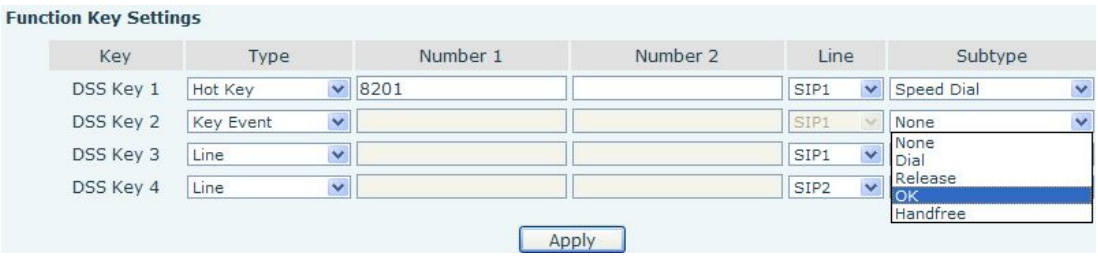
1) The Subtype configuration of Hot key

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 Handdown [Enable] can define whether this call is allowed to be hang up by re-press the speed dial
			Intercom	In Intercom mode, if the caller's IP phone support intercom feature, can realize auto answer

Each DSS key can be configured two numbers, when the first number is busy or no answer within the set time, the call will be forwarded to the second number automatically. The Switching time of the setting: WEB→Intercom→Feature

Time of Dial Switch 16 (5-50)s

2) The Subtype configuration of key Event



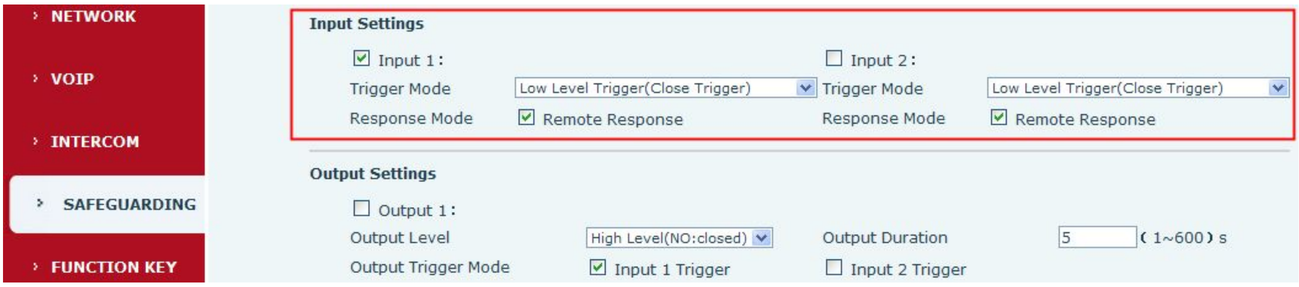
Voice Intercom Configuration

DSS key type	Subtype	usage
key Event	None	No Answer
	Dial	Dial function
	Release	End calls
	OK	Identify key
	Hand free	The hand-free key(with hook dial, hang up)

- The two short circuits input configuration method

WEB→Safeguarding, As shown in the figure below

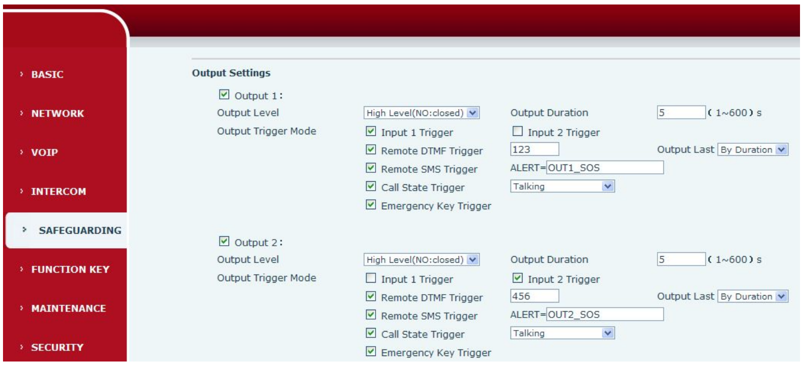
The input port Settings



Function		Description
Trigger mode	Low Level Trigger(Close Trigger)	Double short circuit detection port(If it is single port, is the low level)Detection to trigger when closed
	High Level Trigger(Disconnect Trigger)	Double short circuit detection port（If it is single port, is the high level)） Detection to trigger when disconnect
	Remote Response	When meet the input port to trigger condition, to the server sends the alarm information correspondence. [note] Input port1 trigger, to send command format: The trigger device the IP; Port=Input1 Input port2 trigger, to send command format: The trigger device the IP; Port=Input2

Voice Intercom Configuration

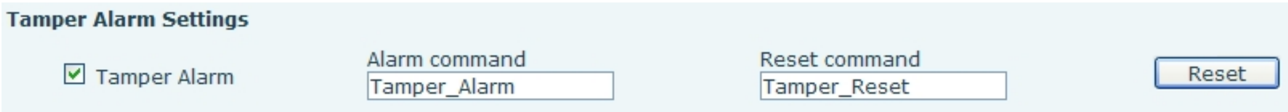
➢ **The two short circuits output configuration method**



Function			Description
Output level	Low Level(NO: always on)		When meet the trigger condition, trigger the NO port disconnected.
	High Level(NO: always off)		When meet the trigger condition, trigger the NO port close.
Output Duration	1~600S		Define the output Duration change of output port.
Output trigger mode	Input port1 trigger		When the input port1 meet to trigger condition, the output port1 will trigger(The Port level time change, By < Output Duration> control)
	Input port2 trigger		When the input port2 meet to trigger condition, the output port2 will trigger(The Port level time change, By < Output Duration> control)
	Remote DTMFtrigger	By duration	Received the terminal equipment to send the DTMF password, if correct, which triggers the corresponding output port (The Port level time change, By < Output Duration> control)
		By Calling State	During the call, receive the terminal equipment to send the DTMF password, if correct, which triggers the corresponding output port (The Port level time change, (By call state control, after the end of the call, port to return the default state)
	Remote SMS trigger		In the remote device or server to send instructions to ALERT=[instructions], if correct, which triggers the corresponding output port
	Call state trigger		The port output continuous time synchronization and trigger state changes, including the trigger conditions: 1,call; 2,call and singing; 3,singing; three models. (for example: the call trigger output port, will be in conversation state continued to output the corresponding level)
	Emergency key trigger		When the emergency call button to trigger the equipment shell, which triggers the corresponding output port(after the end of the call, port to return the default state)

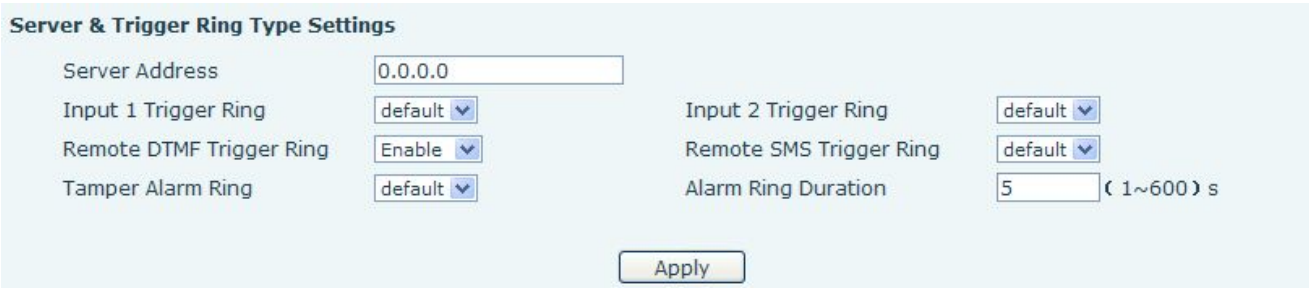
Voice Intercom Configuration

- **The tamper detection configuration method**



Function	Describe
Tamper Alarm	When the selection is enabled, the tamper detection enabled
Alarm command	When detected someone tampering the equipment, will be sent alarm to the corresponding server
Reset command	When the equipment receives the command of reset from server, the equipment will stop alarm
Reset	Directly stop the alarm from equipment in the Webpage

- **The trigger ring type setting**



Function	Description
Server Address	Configure remote response server address(including remote response server address and tamper alarm server address)
Input 1 trigger ring	When the input port 1 triggering condition is satisfied, the corresponding ring tone or alarm
Input 2 trigger ring	When the input port 2 triggering condition is satisfied, the corresponding ring tone or alarm
Remote DTMF trigger ring	When received the remote DTMF command, whether to output the ringtone
Remote SMS trigger ring	When receiving the remote SMS instructions, whether to output the ringtone
Tamper alarm ring	When the detected someone tampering the equipment, plays the corresponding ringtone or alarm
Alarm duration	duration of alarm ring(not including tamper alarm)

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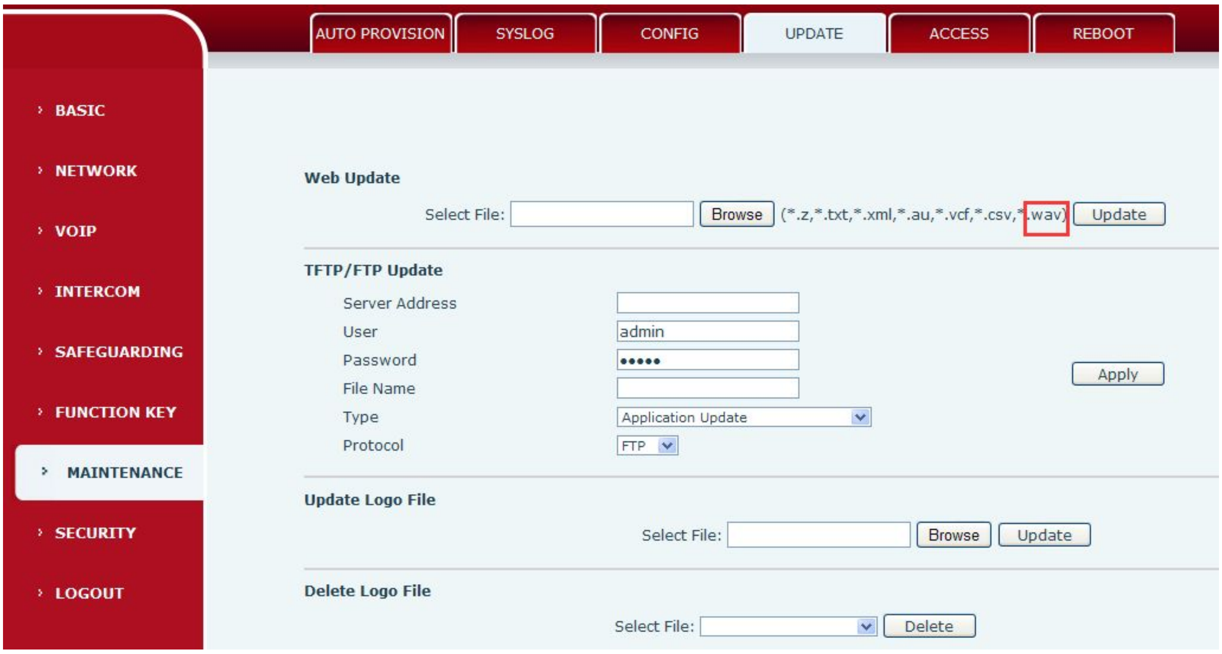
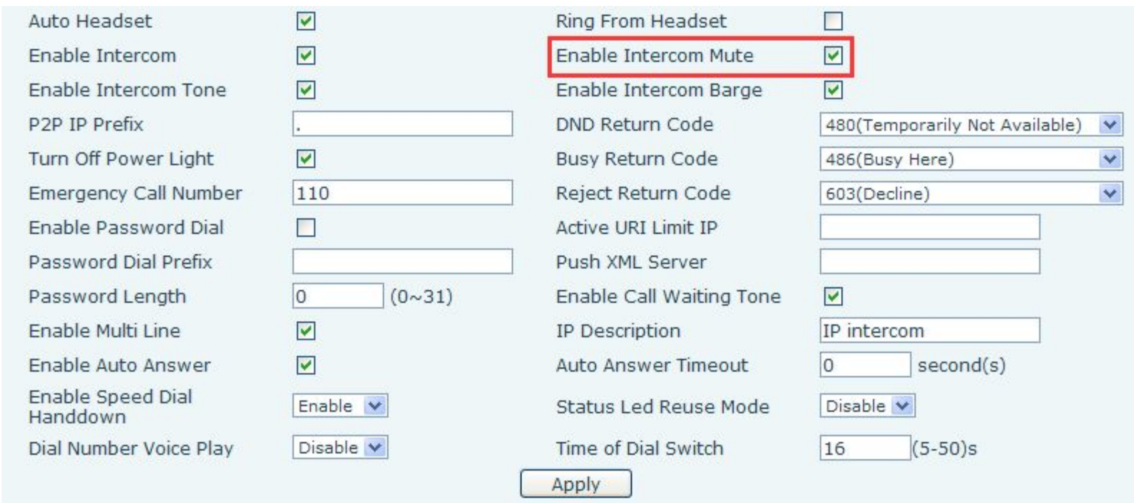
Notice: You can access to webpage to change the ringtone: WEB →Maintenance →Update
File format: wav, single channel 8Khz sampling.
The file name, ring1: 1.wav(the ring2 replacement, file name: 2.wav)



- **The broadcast terminal configuration notice**

1） How to avoid an incoherency sound when the broadcast playing?

When interrupt to use as broadcast, the speak is loud, if not set mute for microphone, the AEC(echo cancellation) of equipment will be activated, which leads the sound incoherence. In order to avoid such circumstance, when the equipment turn to use as radio should be set as intercom mode, and activate the intercom mute, so as to ensure the broadcast quality.



Voice Intercom Configuration

2） How to improve broadcasting tone quality?

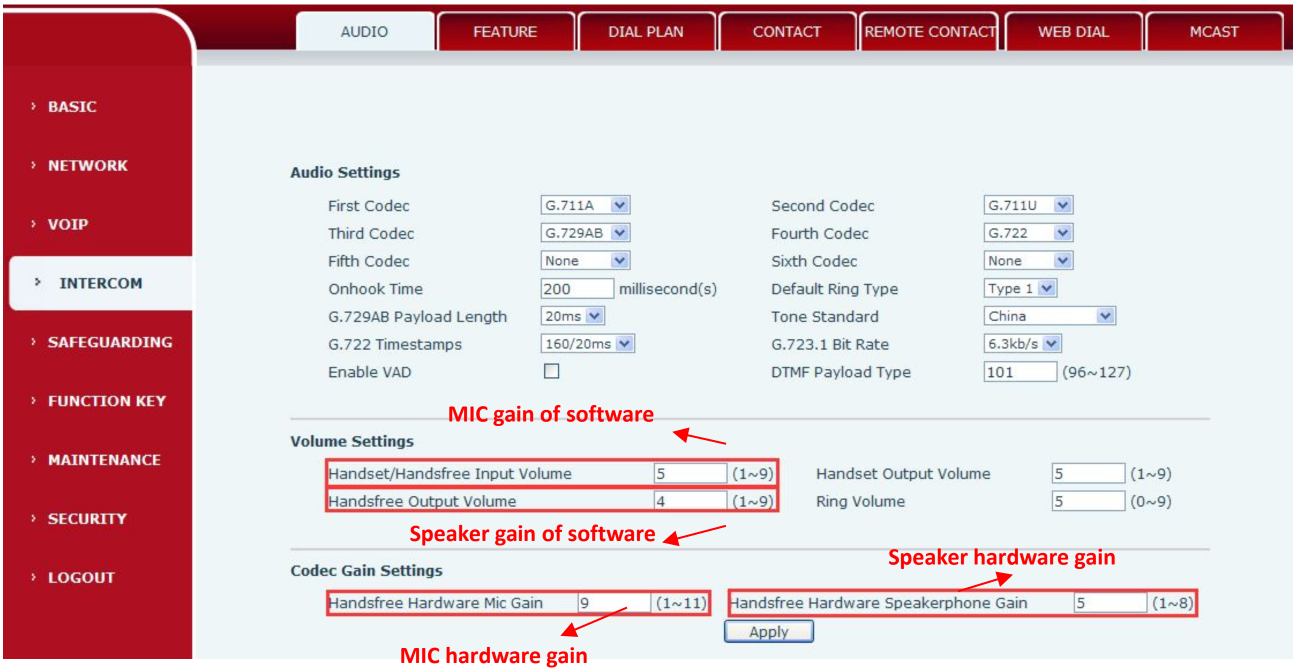
In order to obtain better broadcast quality, recommend the use of the HD (G.722) mode for broadcast.

Voice bandwidth will be by the narrow width (G.722) of 4 KHz, is extended to broadband (G.722)7 KHz, when combined with the active speaker, the effect will be better.

➢ The volume adjustment method

Method one: To adjust the volume of speaker and microphone by webpage.

Click "apply" to take effect (even in the call status), and it will save automatically.



Method two: to adjust the volume by the remote command

Remote adjustment by active URL commands to complete the speaker and microphone gain.

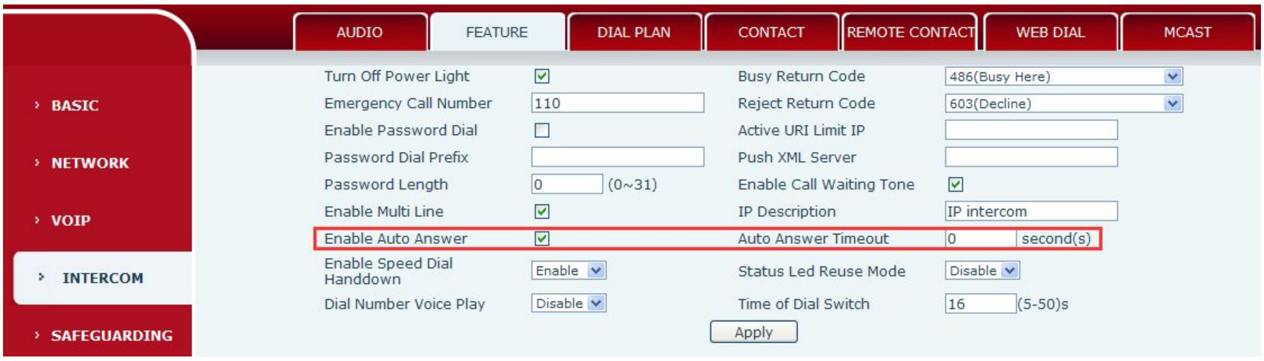
Voice Intercom Configuration

- **The speed Dial key configuration method**

Enable the<Speed Dial Hand down> and set DSS key as speed dial, whether allow DSS key to hang up the call (SIP call or P2P call)

- **The incoming call settings**

By default, all calls are automatically answered, including SIP or P2P.

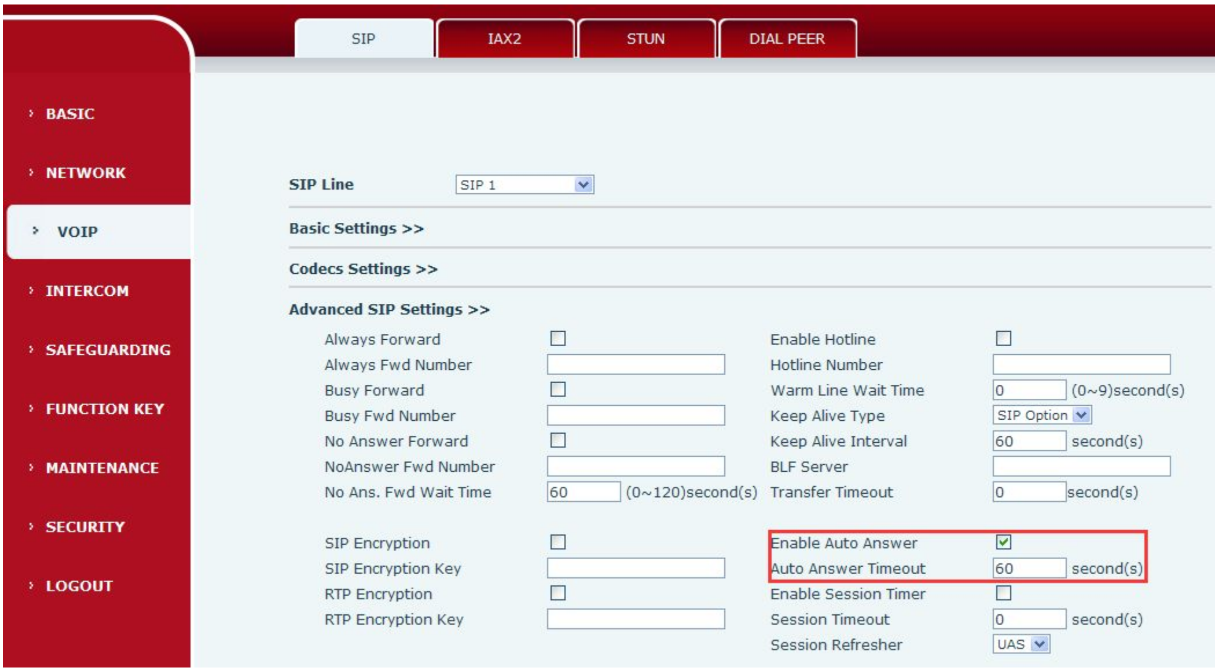


The definitions of the red box part are effective for all incoming calls. When disable the < Enable Auto Answer> function, SIP call or P2P calls will be ringing tone hint.

Voice Intercom Configuration

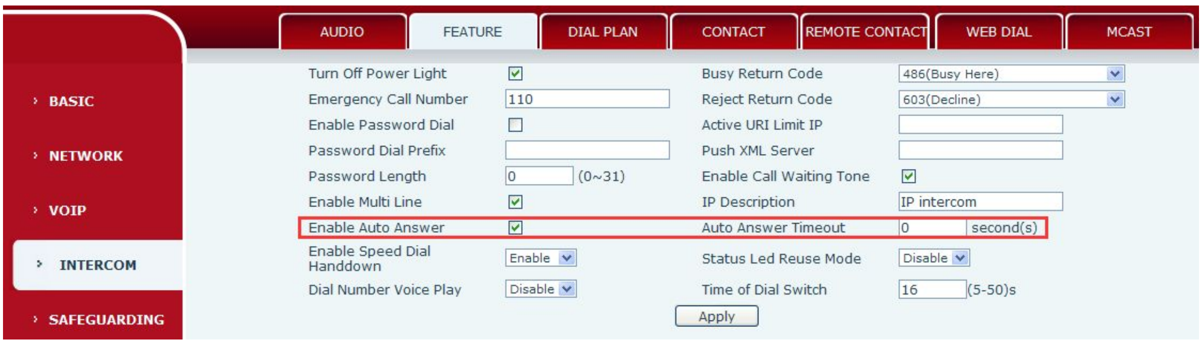
1） How to set SIP account incoming call

The incoming call will be automatically answered after a period of time, you only need to set <auto answer enable> and fill in the needed answer period of time, (If set to 0, the call automatically answer). Click< apply>.



2） How to set the P2P(IP to IP) incoming call

When incoming call need to be auto answered after a period of time, enable the <auto answer enable> and fill in the needed auto answer time, (If set to 0, the call will answer automatically). Click< apply>.



Intercom Configuration

➢ **The other function settings**

1） **Status Led reuse mode**

Enable this function, the registered status indicator will reuse the call instructions function, which means the LED will flash in the call state.

2） **Dialing tone prompt**

Enable this function; it will have corresponding key tone of voice when operating the digital keyboard

3） **Call switching time**

This function is used to define the time interval when use speed dial key making call, and call switching from number 1 to number 2.