

User's Manual



HD Voice Conference IP Phone with PSTN (3-Line)

VIP-8030NT



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CE mark Warning

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

Energy Saving Note of the Device

This power required device does not support standby mode operation. For energy saving, please remove the DC-plug or push the hardware Power Switch to OFF position to disconnect the device from the power circuit.

Without removing the DC-plug or switching off the device, the device will still consume power from the power circuit. In view of Saving the Energy and reducing the unnecessary power consumption, it is strongly suggested to switch off or remove the DC-plug from the device if this device is not intended to be active.



WEEE Warning



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.

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Revision

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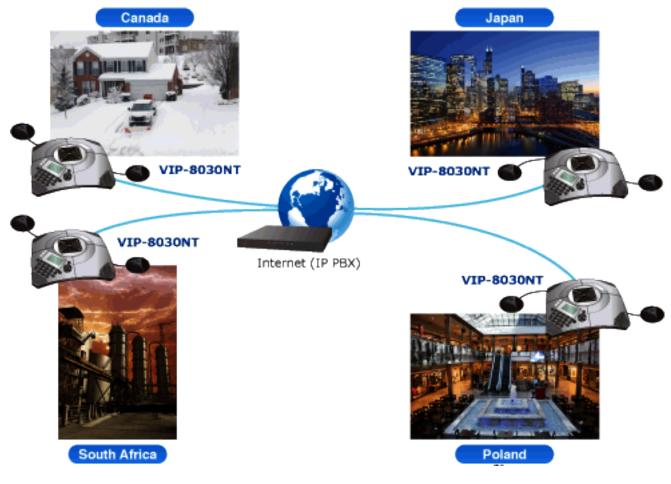
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Chapter 1. Introduction

High-definition Voice Conferencing for Rooms of Any Size

In a world where conference calls with partners, vendors, remote workers and global teams are on the rise, PLANET VIP-8030NT HD voice conference IP phone is perfectly designed for use in middle to large conference rooms. The VIP-8030NT delivers superb voice quality, expansive microphone pickup and advanced audio processing. Its integrated, special microphones ensure that your interlocutors feel as if you are sitting in the neighboring office, not on the other side of the world!



Free Calls to All Over the World



Extended Microphone Makes Communication Clearer

Although there are four microphones built in the VIP-8030NT, the communication between the two speakers could be unclear over a long-distance call. However, with the extended microphone, this problem could be solved. The extended microphone also provides a quick button to isolate speaker's voice, thereby the contents of the speakers will not be exposed to the third party.



Recorded Conference Contents Saved on SD Card

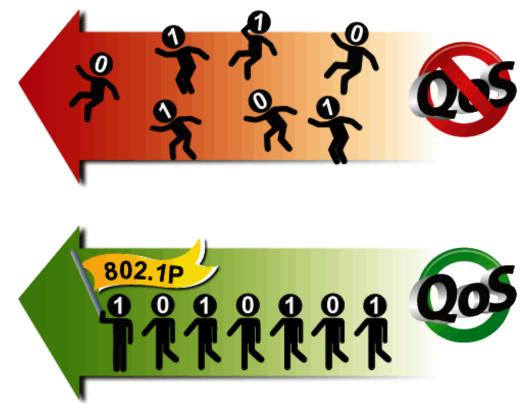
The VIP-8030NT transmits power and voice over the RJ45 cable and has a special specification that helps to avoid an incorrect cable plug-in. The VIP-8030NT can start a conference with the RJ45 cable, meaning no extra cable is necessary. The contents of the conference can be recorded and saved on the SD card, where the recorded contents can be played.





Secure, High-quality VoIP Communication

The VIP-8030NT can effortlessly deliver secured toll voice quality by voice or SIP QoS (Quality of Service) and 802.1PQ VLAN tagging. Using voice and data VLAN can easily separate the data and voice, thus maintaining the best quality.



1.1 Features

Highlights

- Supports 3 SIP voice lines
- Supports HD voice
- 128 x 64 pixel LCD display with ivory backlight
- 3-way conferencing
- Echo cancellation, hi-fi technology of wideband voice communication
- Connection type for add-on microphones for a larger recording range

Network Protocol

- SIP V1 (RFC2543), V2 (RFC3261)
- Voice codec support: G.711, G.726, G.729, iLBC, GSM
- Supports STUN, outbound proxy
- Static IP/DHCP for IP configuration
- ♦ 3 DTMF modes: In-band, RFC2833, SIP info
- HTTP/HTTPS Web server for management



• NTP for auto time setting

Telephone Features

- Supports 3 SIP accounts
- Built-in SD card for recording
- Recording file can be played on the unit
- Speaker volume with adjustable 14 levels reaches 90db
- Call Hold, Call Waiting, Call Forward, Hotline
- Caller ID display, DND, auto-answer
- Stores 64 groups of incoming calls and outgoing calls
- FSK/DTMF Caller-ID detection and display
- Intelligent speech mixer and dynamic noise suppression

1.2 Application

VoIP Conference Call

The VIP-8030NT provides audio conference service to any meeting room and auditorium. Its built-in SD card helps record any important meetings.

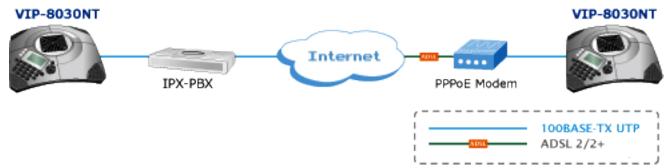


IP PBX Mode

The VIP-8030NT features IP PBX mode to deliver voice over a network and interoperates with the normal



Public Switched Telephone Network (PSTN).



1.3 Product Specifications

Model		VIP-8030NT	
Hardware			
LAN		1 x 100BASE-TX RJ-45 for LAN	
Port	PC	1 x 100BASE-TX RJ-45 for PC	
	EXT-MIC	2 x RJ9 for microphone	
Audio Inpu	ut	4 x microphone	
Audio Out	put	1 x full duplex hands-free speakerphone	
LED indica	ator	4 x power LED 3 x SIP LED	
Software			
Audio Sta	ndard	G.711, G.726, G.729, iLBC, GSM	
Network P	Protocol	SIP 2.0 RFC 3261,TCP/IP, UDP, RTP,HTTP,	
Network P	1010001	ARP,ICMP,DNS, DDNS, DHCP(client), NTP, Telnet	
Echo Can	cellation	G.168	
Access Mode		Static IP, PPPoE, DHCP	
Phone Features			
Network		DHCP Client on LAN Main DNS and secondary DNS server NTP Client QoS with DiffServ	
Basic Features		3 SIP servers Voice Gain Setting, VAD, CNG Supports jitter buffer Supports SIP domain, SIP authentication (none, basic) DNS name of server, Peer to Peer/IP call DTMF Relay: Supports Inbound, SIP info, RFC2833 Supports STUN Volume adjustment Professional Speaker and HD voice	



	Call Forward
	Call Transfer (blind/attended/alert)
	Call Holding
CID Applications	Call Waiting
SIP Applications	Call Paging and Intercom
	Call Park/Pickup
	Redial
	Click to dial
	Do Not Disturb (DND)
Call Cantral Fastures	Auto Answer
Call Control Features	Caller ID
	Dial without registration
	Friendly graphic menu
Advanced Applications	Voice recording during talking, auto answer and local
Advanced Applications	incoming calls, outgoing calls and missing calls.
	Supports Phonebook 140 records
	Web and keypad management
Management	Management with different account rights
	Automatic upgrades/configuration deployment

1.4 Physical Specifications and Packaging

Physical Specifications

Dimensions

Dimensions (W x D x H)	305 x 305 x 64 mm
Net Weight	1298g (without package)

BASIC PACKAGING

- Conference IP Phone Unit
- Power Unit
- Quick Installation Guide
- RJ45 Cable x 1
- Power Cord x 1
- RJ11 Cable x 1
- RJ9 Cable x 2
- Extended Microphone x 2
- Desiccant x 3



1.5 Keypad

Keypad, LED and definitions



Number	Description
1	LCD (128 x 64 pixel)
2	Microphone x 4
3	Keypad (including SIP key, VoIP key, conference key)
4	Speaker (volume up to 90db and 14 levels adjustable)
5	LED (Blue indicates dialing; red indicates mute function)

Interface Description







PC LAN POWER EXT-MIC1

SD / SDHC	Record conference call, maximum size 4GB class4.
EXT-MIC2	Connect to the second extended microphone
EXT-MIC1	Connect to the first extended microphone
POWER	Connect to power unit via RJ45 cable; the length is 6.5 meters.
LAN	10/100M Connect it to Network
PC	10/100M Connect it to PC

Package Information

Dimensions (W x D x H)	425 x 154 x 335 mm
Weight	3.82 kg (gross weight)
Carton Dimensions (W x D x H)	641 x 441 x 360 mm
Carton Weight	15.28kg (gross weight)
Carton Unit	4 pcs.

1.6 Default Setting

Default WAN IP	172.16.0.1
Default Subnet Mask	255.255.0.0
Default Gateway	172.16.0.254
Default PC IP	192.168.0.1
Default Login User Name	admin
Default Login Password	123



Chapter 2. Initial Connection and Login

The package should contain the following items plus VIP-6040PT. If any item is missing or damaged, please contact the seller immediately.

1 x Quick Installation
Guide1 x Power Adapter1 x AC Power Cord1 x RJ-45 cable for powerImage: Comparison of the sector of the sector

Step 1. Connecting power and PSTN line

- 1. Plug power cable into the ext. jack of the power unit and the other end into the power jack of the VIP-8030NT.
- 2. Plug the RJ11 cable into the line jack on the AC adapter and the other end into a telephone wall jack.
- 3. Plug the AC power cord into the AC power outlet.



Step 2. Connecting network and extended microphone

1. Plug one end of the RJ45 cable into the switch and the other end into the LAN port of the VIP-8030NT. The default IP is **172.16.0.1**.



2. Plug the extended microphones into the EXT1 and EXT2 jacks of the VIP-8030NT. And place the extension microphones to a proper location for optimal voice communication.



Step 3. Using search utility to find the VIP-8030NT

The VIP-8030NT supports Planet smart discovery utility where it can be used to easily find the IP of the VIP-8030NT. You can download it on Planet website (http://www.planet.com.tw/en/support/download.php).

Step 4. Login Prompt

Use Web browser (Internet Explorer 8.0 or above) to connect to **172.16.0.1** (type this address in the address bar of Web browser). When connecting to PC port, you need to key-in **192.168.0.1** in the address bar of Web browser.



Users are prompted to input user name and password: admin and 123

Login VoIP					
Enter your username and password to login					
	VoIP server				
Username					
Password					
	Login Clear				



Chapter 3. Web Configuration

3.1 Instructions of the Web Environment

3.1.1 Pre-settings

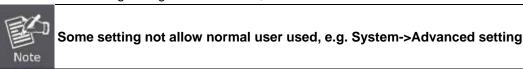
3.1.1.1 Network settings

Network Mode: Default NAT Mode WAN Port: Fixed IP Mode, for example, **172.16.0.1** LAN Port (PC Port): DHCP Server, IP Address: **192.168.0.1**

3.1.1.2 Web Page

Web Login page, for example, http://192.168.0.1

- Login Account:
 - Administrator's Right: Login Account: admin, Password: 123
 - Special Right: Login Account: system, Password: 123
 - Normal Right: Login Account: user, Password: 123



3.1.2 Login VoIP Web Page

3.1.2.1 Functions

It provides login system management page.

3.1.2.2 Instructions

ogin VoIP	
Enter your u	isername and password to login
	VoIP server
Username	
Password	
	Login Clear

Username	Input user's name can be numerals or letters.
Password	Input password can be numerals or letters.
Login [Button]	Login the system
Clear [Button]	Clear all information.

3.1.2.3 Operating Instructions

Step 1: Open IE, input IP address [for example, http://192.168.0.1] and then enter.



Step 2: Login [Login VoIP] page, input "admin" for both Username and Password and then press [Login].

Login VoIP					
Enter your username and password to login					
	VoIP server				
Username	admin				
Password	•••				
	Login Clear				

Step 3: After logging in to the system, the System Information will appear.

							Save Repoot
	Home	SIP	Network	System	Phone Book	Features	Update
Welcome To Home Pa	age!						

System Information

This page illustrate the system related information.

Model Name:	VIP-8030NT	
Firmware Version:	Tue Nov 18 11:53:13 2014 (1003116)	
Codec Version:	Mon Mar 25 15:19:23 2013 (1303250)	

3.2 VoIP Setting

3.2.1 Functions

It provides SIP Setting, Network Setting, System Setting, Phone Book, Features Setting, Update, Save and Reboot.

3.2.2 Instructions



System Information

This page illustrate the system related information.		
Model Name:	VIP-8030NT	
Firmware Version:	Tue Nov 18 11:53:13 2014 (1003116)	
Codec Version:	Mon Mar 25 15:19:23 2013 (1303250)	



System Information

LABEL	DESCRIPTION
SIP	Provides Profile, Port Setting, Codec Setting, Codec ID Setting, DTMF Setting,
	RPort Setting, Stun Setting and other Settings.
Network	Provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN
	Setting, DMZ Setting and Virtual Server.
System	Provides Authentication Setting, Auto Config Setting, FXO Port Setting, Mac
	Clone Setting, Tone Setting, Advanced Setting, Log, Auto Answer Setting and
	Dial Plan Setting.
Phone Book	Provides Phone Book and Speed Dial (for Phone)
Features	Provides CallFwd Setting, Volume Setting, Rngtone Setting, DND Setting, Flash
	Timing, CallWaiting Setting, Softkey Setting, Hotline Setting and Alarm Setting.
Update	Provides Firmware, Auto Update and Default Setting
Save	Save the change.
Reboot	Restart the system.

3.2.3 Functions

View Model Name, Firmware Version, Codec Version, etc.

3.2.4 Instructions

System Information

This page illustrate the system related information.

Model Name:	VIP-8030NT
Firmware Version:	Tue Nov 18 11:53:13 2014 (1003116)
Codec Version:	Mon Mar 25 15:19:23 2013 (1303250)

Ī	Model Name	Shows the name of the equipment
	Firmware Version	Shows the RISC version information, e.g., Tue Nov 18 11:53:13 2014 (1003116).
	Codec Version	Show the DSP version information, e.g., Mon Mar 25 15:19:23 2013 (1303250).

3.3 Save Change

3.3.1 Functions

When the web page information is changed, please make sure to save the change by clicking [Submit]. After all the changes are done, the system should be restarted. [Save change]-- [Save Change Setting] -- [Save].



3.3.2 Operating Instructions

Step 1: On the main page, select [Networks→WAN Settings] and enter [WAN Settings] page; after changing the information, press [Submit].

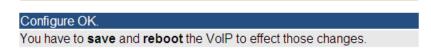
WAN Settings

You could configure the WAN settings in this page.			
LAN Mode:	○ Bridge		
WAN Setting			
IP Type:	● Fixed IP O DHCP Client O PPPoE		
IP:	192.168.1.54		
Mask:	255.255.255.0		
Gateway:	192.168.1.254		
DNS Type:	● Fixed ○ Auto		
DNS Server1:	168.95.1.1		
DNS Server2:	8.8.8		
MAC:	00304f58516b		
Host Name:			

Step 2: After saving the changes, the "dialog box" will be seen.

Note Information

This page inform user important information.



Step 3: On the main page, press the save button on the upper right corner to make the change effective.

Save Changes

You have to save changes to effect them.

Save Changes: S	ave	
-----------------	-----	--



Step 4: The [dialog box] page will appear, meaning it has been saved successfully. The system will reboot automatically. Please wait for a second.

Note Information

This page inform user important information.

Configure OK.

System will reboot automaitcally to effect those changes and please wait for a moment while rebooting....



Chapter 4. SIP Setting

It provides Profile, Port Setting, Code Setting, Codec ID Setting, DTMF Setting, RPort Setting, Stun Setting, and other Settings.

4.1 Service Domain

4.1.1 Functions

Service Domain provides 3 entries information and status.

4.1.2 Instructions

Service Domain Settings

You could set information of service domains in this page.

Realm No.: Realm 1 🗸

Realm	
Active:	On ⊙Off
Display Name:	
User Name:	
Register Name:	
Register Password:	
Domain Server:	
Proxy Server:	
Outbound Proxy:	
Subscribe for MWI:	⊖ On ⊙ Off
Status:	Not Registered

Submit Reset

Realm 1 (Default)	Default: Realm1. Please press "1*" and hang up the phone when transferring to		
	the 1 st registered number.		
	the registered humber.		
Active	Default: OFF. When setting to ON, registered account will be active.		
Display Name	Can be numerals or characters. Maximum length: 31		
User Name	Can be numerals or characters. Maximum length: 31		
Register Name	Can be numerals or characters. Maximum length: 31		
Register Password	Can be numerals or characters. Maximum length: 31		
	Input Domain Server information. Can be IP Address or Domain Name. Format:		
Domain Server	xxx.xxx.xxx.xxx ;Maximum length is 63 bytes. If special Port Address is needed,		
	please add it. For example, voip.planetddns.com		



	Input Proxy Server information. Can be IP Address or Domain Name. Format:		
Proxy Server	xxx.xxx.xxx.xxx ;Maximum length is 63 bytes. If special Port Address is needed,		
	please add it. For example, voip.planetddns.com		
	Input Outbound Proxy information. Can be IP Address or Domain Name.		
Outbound Proxy	Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is		
	needed, please add it. For example, voip.planetddns.com		
	Subscribe to MWI function		
Subscribe to MWI	Your Registered SIP Proxy server must support this function.		
Status	Not Registered (failed), Registered (Successfully)		

4.1.3 Instructions

Example 1: Register SIP Proxy Port number: 5060

Step 1: On the main page, select [SIP→ Profile] and enter [profile] page. After revising the information (e.g., Active: On, Display Name: 800, User Name: 800, Register Name: 800, Register Password: 800800, Domain Server: 210.61.134.91, Proxy Server: 210.61.134.91, Outbound Proxy: 210.61.134.91, Subscribe to MWI: off), click [Submit].

Service Domain Settings

You could set information of service domains in this page.			
Realm No.: Re	alm 1 💌		
Realm			
Active:	⊙ On Off		
Display Name:	800		
User Name:	800		
Register Name:	800		
Register Password:	•••••		
Domain Server:	210.61.134.91		
Proxy Server:	210.61.134.91		
Outbound Proxy:	210.61.134.91		
Subscribe for MWI:	◯ On ④ Off		
Status:	Registered		

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step: 4: If PAGE NOT FOUND appears after re-login, please press <u>Embedding Home Page</u> to go to the access page.

Note Information

This page inform user important information.

Configure OK.

You have to re-login.

PAGE NOT FOUND

The requested URL was not found on this server.

VoIP System Embedded WEB Server 1.0, 2005 Web Server for Embedded Applications Embedding Home Page

Example 2: Start Subscribe to MWI

Step 1: On the main page, select [SIP→ Profile], start Subscribe to MWI, (e.g., Subscribe to MWI: on) and then click [Submit].

Service Domain Settings

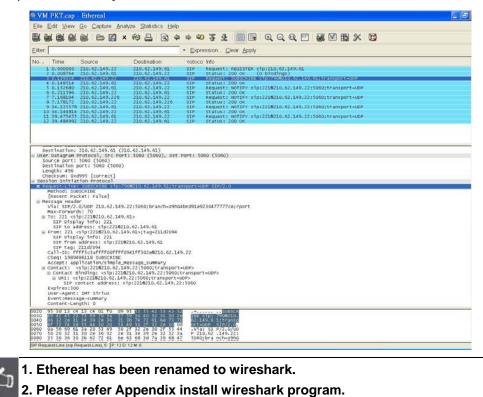
You could set information of service domains in this page.

Realm 1 💌 Realm No.: Realm Active: ⊙On ○Off Display Name: 800 User Name: 800 Register Name: 800 Register Password: ••••• Domain Server: 210.61.134.91 Proxy Server: 210.61.134.91 210.61.134.91 Outbound Proxy: Subscribe for MWI: ⊙On ○Off Status: Registered

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.



- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting the system, and when making call to another equipment, please check the [Ethereal] and [Request: Subscribe] information.



3. Below several samples also use Ethereal explaining.

4.2 **Port Setting (SIP and RTP Settings)**

4.2.1 Functions

Note

Port Setting provides SIP and RTP port number information.



4.2.2 Instructions

Port Settings

You could set the port number in this page.

SIP Port:	5060	(0~65533) (Set 0 for auto, range as bellow)
RTP Port:	20000	(0~65533) (Set 0 for auto, range as bellow)
SIP Port Range:	10000	~ 10999 (1024~40000)
RTP Port Range:	20000	~ 21999 (1024~40000)

Submit Reset

SIP Port	Default: 5060; display the SIP number information. Only numerals are	
	accepted. Data range: (10~65533). Maximum length: 5 bytes.	
RTP Port	Default: 60000; display the RTP number information. Only numerals are	
	accepted. Data range: (10~65533). Maximum length: 5 bytes.	
SIP Port Range	Default: 10000~10999; provides the range of SIP Port (1024~40000).	
RTP Port Range	Default: 20000~21999; provides the range of RTP Port (1024~40000).	
Submit [Button]	Submit the change.	
Reset [Button]	Clear the change.	

4.2.3 Operating Instructions

Step 1: On the main page, select [SIP→ Port] and enter [Port] page. After revising the information (e.g., SIP Port: 5060, RTP Port: 6000), click [Submit].

Port Settings

You could set the port number in this page.				
SIP Port:	5060 (0~65533) (Set 0 for auto, range as bellow)			
RTP Port:	20000 (0~65533) (Set 0 for auto, range as bellow)			
SIP Port Range:	10000 ~ 10999 (1024~40000)			
RTP Port Range:	20000 ~ 21999 (1024~40000)			
	Submit Reset			

Step 2: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



4.3 Codec Setting

4.3.1 Functions

Code Setting provides Codec priority, RTP Packet Length and Voice VAD function.



iLBC and G.723 cannot exist at the same time.

4.3.2 Instructions

Codec Settings

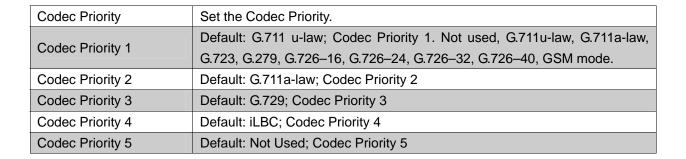
Voice VAD:

You could set the codec settings in this page

Codec Priority		
Codec Priority 1:	G.711 a-law	~
Codec Priority 2:	G.711 u-law	~
Codec Priority 3:	G.729	۷
Codec Priority 4:	iLBC	۷
Codec Priority 5:	Not Used	~
Codec Priority 6:	Not Used	۷
Codec Priority 7:	Not Used	¥
Codec Priority 8:	Not Used	*
Codec Priority 9:	Not Used	~
RTP Packet Length		
G.711 & G.729:	40 ms 💌	
iLBC:	30 ms 💌	
Voice VAD		

OOn ⊙Off

Submit



Reset



Codec Priority 6	Default: Not Used; Codec Priority 6		
Codec Priority 7	Default: Not Used; Codec Priority 7		
Codec Priority 8	Default: Not Used; Codec Priority 8		
Codec Priority 9	Default: Not Used; Codec Priority 9.		
RTP Packet Length	Provides RTP Packet Length information.		
G.711 & G.729	Default: 20 ms; G.711 & G.729 Packet length. Provides 10ms, 20ms, 30ms,		
	40ms,50ms, 60ms, 70ms, 80ms, 90ms mode.		
iLBC	Default: 30 ms; G.723 Packet Length. Provides 30ms, 60ms, 90ms mode.		
Voice VAD	Default: OFF. When setting to ON, Voice Active Detection (VAD) will be		
	active; provides ON and OFF mode.		
Submit [Button]	Submit the change.		
Reset [Button]	Clear the change.		

4.3.3 Operating Instructions

Step 1: On the main page, select [SIP → Codec] and enter [Codec] page. After revising the information (e.g., Codec Priority 1: G.729, Priority 2: G.711a-law, Priority 3: G.711ulaw, Priority 4: iLBC, Priority 5: G.726-16, Priority 6: G.726-24, Priority 7: G.726 32, Priority 8: G.726 40, Priority 9: GSM, G.711 and G.279: 60ms, iLBC: 30ms, Voice VAD: on), click [Submit].

Codec Settings

You could set the codec settings in this page.

Codec Priority	
Codec Priority 1:	G.711 a-law 🗙
Codec Priority 2:	G.711 u-law 💌
Codec Priority 3:	G.729 💙
Codec Priority 4:	iLBC 🔽
Codec Priority 5:	Not Used 💌
Codec Priority 6:	Not Used 💌
Codec Priority 7:	Not Used 🔽
Codec Priority 8:	Not Used 💌
Codec Priority 9:	Not Used 💌
RTP Packet Length	
G.711 & G.729:	40 ms 🔽
iLBC:	30 ms 🛩
Voice VAD	<u> </u>
Voice VAD:	On ⊙Off
	Submit Re:



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: After rebooting and making call to equipment, the new Codec mode will be adopted.

4.4 Codec ID Settings

4.4.1 Functions

Codec ID Setting provides G726, RFC2833 and iLBC etc. Type ID information.

4.4.2 Instructions

Codec ID Setting

You could set the value of Codec ID in this page.

Codec Type	ID	Default Value
G726-16 ID:	23 (95~255)	✓ 23
G726-24 ID:	22 (95~255)	22
G726-32 ID:	2 (95~255)	2
G726-40 ID:	21 (95~255)	✓ 21
RFC 2833 ID:	101 (95~255)	☑ 101
iLBC ID:	97 (95~255)	97



Codec Type	Display the value of Codec ID information. Provides G726-16, G726-24, G726-32, G726-40, RFC2833 and iLBC information.		
G726-16 ID	Display G726-16 ID information.		
ID	Display the current ID: 23. When changing the ID, please close (Default Value)		
	column. Only numerals are accepted. Data range (95~255). Maximum length: 3		
	bytes.		
Default Value	23.		
G726-24 ID	Display G726-24 information.		
ID	Default: 22. Only numerals are accepted. Data range (95~255). Maximum		
	length: 3 bytes.		
Default Value	97.		
G726-32 ID	Display G726-32 information.		
ID	Default: 2. Only numerals are accepted. Data range (95~255). Maximum length:		
	3 bytes.		



Default Value	23.									
G726-40 ID	Display G726-40 information.									
ID	Default: 21. Only numerals are accepted. Data range (95~255). Maximum									
	length: 3 bytes.									
Default Value	21.									
RFC 2833 ID	Display RFC 2833 information.									
ID	Default: 101. Only numerals are accepted. Data range (95~255). Maximum									
	length: 3 bytes.									
Default Value	101.									
iLBC ID	Display iLBC information.									
ID	Default: 97. Only numerals are accepted. Data range (95~255). Maximum									
	length: 3 bytes.									
Default Value	97.									
Submit [Button]	Submit the change.									
Reset [Button]	Clear the change.									

4.4.3 Operating Instructions

Step 1: On the main page, select [SIP →Codec ID] and enter [Codec ID] page. After revising the information (e.g., RFC 2833 ID Default Value: Disable, ID: 96), click [Submit].

Codec ID Setting

G726-40 ID:

RFC 2833 ID:

iLBC ID:

Codec Type	ID	Default Value			
G726-16 ID:	23 (95~255)	23			
G726-24 ID:	22 (95~255)	22			
G726-32 ID:	2 (95~255)	2			

You could set the value of Codec ID in this page.

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Submit

21

101

97

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

(95~255)

(95~255)

(95~255)

Reset

21

101

97



4.5 DTMF Settings

4.5.1 Functions

DTMF Setting provides three kinds of DTMF modes: RFC2833, In Band DTFM and Send DTMF SIP Info.

4.5.2 Instructions

DTMF Setting

You could set the DTMF setting in this page.

RFC 2833
 Inband DTMF
 Send DTMF SIP Info

Submit Reset

RFC2833	Default: RFC 2833 ; Transfer DTMF mode information. Provides RFC2833.
In band DTMF	Transfer DTMF mode information. Provides In Band.
Send DTMF SIP Info	Transfer DTMF mode information. Provides SIP Info.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.5.3 Operating Instructions

Example 1: RFC2833

Step 1: On the main page, select [SIP→DTMF] and enter [DTMF] page. After revising the information (e.g., RFC2833), click [Submit].

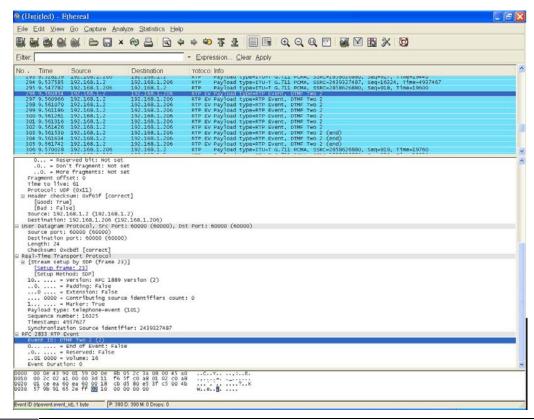
DTMF Setting

You could set the DTMF setting in this page.
⊙ RFC 2833
O Inband DTMF
O Send DTMF SIP Info
Submit Reset

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting and making call to another equipment, press DTMF (e.g.:222); please check [Ethereal]



Packet and [RTP EV, Payload Type=RTP Event, DTMF xx] column.



Note 1

1. Ethereal has been renamed to wireshark.

- 2. Please refer Appendix install wireshark program.
- 3. Below several samples also use Ethereal explaining.

Example 2: InBand DTMF

Step 1: On the main page, select [SIP→DTMF] and enter [DTMF] page. After revising the information (e.g., InBand DTMF), click [Submit].

DTMF Setting

You could set the DTMF setting in this page.
O RFC 2833
⊙ Inband DTMF
O Send DTMF SIP Info

Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: After rebooting and making call to another equipment, press DTMF (e.g.: 222); please check [Ethereal]



ip add==192 . Time 302 6, 829,53 6, 829,53 303 6, 829,53 5, 857552 305 6, 857552 306 6, 869,145 306 6, 869,145 307 6, 877534 308 6, 889,115 313 6, 0, 97,145 313 6, 0, 97,145 313 6, 0, 97,145 313 6, 0, 97,145 313 6, 0, 99,131 313 6, 0, 97,145 313 6, 0, 99,115 313 6, 0, 99,131 313 6, 0, 99,131 313 6, 0, 99,131 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137 313 6, 0, 99,137		♦		ision <u>C</u> lea p Info Payload t Payload t Payload t Payload t Payload t Payload t	уре=іти-т уре=іти-т уре=іти-т уре=іти-т уре=іти-т	G.711 PO G.711 PO G.711 PO G.711 PO	MA. 1 MA. 1 MA. 1	SSRC=3910402853. SSRC=2440658488. SSRC=3910402853.	seq-935, Time-2256 seq-16332, Time-49 seq-936, Time-2272	40347 0	
Time 302 6.829153 303 6.837521 46.849123 305 6.837521 506 6.869145 307 6.877334 86.889745 309 6.89745 306 6.909129 311 6.917523 312 6.927915 513 6.937882 24.6.949125 513 6.937882 314 6.949125 315 6.909101 317 6.97560 319 6.997340 319 6.999137 319 6.999140 319 6	Source 192.166.1.206 192.166.1.2 192.166.1.20 192.166.1.20 192.166.1.20 192.166.1.206 192.166.1.2 192.166.1.206 192.166.1.206 192.166.1.206 192.166.1.206	192.168.1.2 192.168.1.206 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2	TOTOCO RTP RTP RTP RTP RTP RTP RTP) Info Payload t Payload t Payload t Payload t Payload t Payload t	ype=ITU-T ype=ITU-T ype=ITU-T ype=ITU-T ype=ITU-T	G.711 PC G.711 PC G.711 PC	MA, MA,	SSRC=2440658488. SSRC=3910402853.	Seq=16332, T1me=49	40347 0	
302 6.829153 303 6.837521 46.849423 305 6.837521 305 6.857552 306 6.867534 307 6.877534 88 6.889115 309 6.897545 308 6.899745 313 6.017523 314 6.049125 313 6.037882 4.6.949125 315 6.0979101 317 6.977500 318 6.089137 319 6.999131	192.168.1.206 192.168.1.2 192.168.1.20 192.168.1.20 192.168.1.20 192.168.1.20 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2	192.168.1.2 192.168.1.206 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2	RTP RTP RTP RTP RTP RTP RTP	Payload t Payload t Payload t Payload t Payload t Payload t	ype=ITU-T ype=ITU-T ype=ITU-T ype=ITU-T	G.711 PC G.711 PC G.711 PC	MA, MA,	SSRC=2440658488. SSRC=3910402853.	Seq=16332, T1me=49	40347 0	
303 6.837521 305 6.837552 306 6.869145 306 6.869145 308 6.889115 308 6.889115 310 6.909129 311 6.909129 312 6.909129 313 6.937882 314 6.949125 315 6.937517 315 6.949121 317 6.97550 318 6.989137 319 6.997347 319 6.997347	192.165.1.2 192.165.1.206 192.165.1.206 192.165.1.206 192.165.1.206 192.165.1.206 192.165.1.2 192.165.1.2 192.165.1.2 192.165.1.2 192.165.1.2	192,168,1,206 192,168,1,206 192,168,1,206 192,168,1,206 192,168,1,206 192,168,1,206 192,168,1,206	RTP RTP RTP RTP RTP RTP	Payload t Payload t Payload t Payload t Payload t	ype=ITU-T ype=ITU-T ype=ITU-T ype=ITU-T	G.711 PC G.711 PC G.711 PC	MA, MA,	SSRC=2440658488. SSRC=3910402853.	Seq=16332, T1me=49	40347 0	
304 6.849(23 305 6.857552 306 6.869145 307 6.877534 308 6.889145 309 6.897545 308 6.889115 309 6.897545 310 6.90129 311 6.017523 312 6.027213 313 6.037882 314 6.049125 315 6.096151 317 6.97510 317 6.977510 319 6.997510 319 6.9	192.168.1.206 192.168.1.2 192.168.1.205 192.168.1.205 192.168.1.206 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2	192.168.1.2 192.168.1.206 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.206 192.168.1.206	RTP RTP RTP RTP RTP	Payload t Payload t Payload t Payload t	ype=ITU-T ype=ITU-T ype=ITU-T	G. 711 PC G. 711 PC	MA, S	SSRC=3910402853.		0	
305 6.857552 307 6.877534 308 6.899145 308 6.899145 309 6.897545 310 6.909129 311 6.917523 312 6.929115 313 6.937882 314 6.949125 315 6.997517 316 6.969101 317 6.977500 318 6.989137 318 6.989137 319 6.997540	192.168.1.2 192.168.1.205 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.2	192.168.1.206 192.168.1.2 192.168.1.206 192.168.1.2 192.168.1.206 192.168.1.206	RTP RTP RTP RTP	Payload t Payload t Payload t	ype=ITU-T ype=ITU-T	G. 711 PC					
007 6.877534 008 6.889115 009 6.897545 010 6.909129 011 6.909129 011 6.917523 012 6.929115 013 6.937882 014 6.949125 015 6.957517 016 6.969101 017 6.977560 018 6.989137 019 6.997540 020 7.009160	192.168.1.2 192.168.1.206 192.168.1.2 192.168.1.2 192.168.1.2 192.168.1.206 192.168.1.206 192.168.1.2	192.168.1.206 192.168.1.2 192.168.1.206 192.168.1.206	RTP	Payload t	ype=ITU-T		MA. 1	SSRC=2440658488.	Seq=16333, T1me=49	40507	
308 6.889115 309 6.897545 310 6.909129 311 6.917523 312 6.929115 313 6.937882 314 6.949125 315 6.957517 316 6.969101 317 6.977560 318 6.989137 319 6.997540 320 7.009160	192.168.1.206 192.168.1.2 192.168.1.206 192.168.1.206 192.168.1.206 192.168.1.2	192.168.1.2 192.168.1.206 192.168.1.2	RTP	Payload t		WITHI PU	MA,	SSRC=3910402853.	Seq=937. Time=2288	0	
009 6.897545 810 6.909129 811 6.917523 812 6.929115 813 6.937882 814 6.949125 815 6.969101 817 6.977560 818 6.989137 819 6.997540 820 7.009160	192.168.1.2 192.168.1.206 192.168.1.2 192.168.1.2 192.168.1.206 192.168.1.2	192.168.1.206 192.168.1.2			VDe=ITU-T	G. 711 PO	MA,	SSRC=2440058488, SSRC=3910402853	Seq=16334, Time=49 Seq=938, Time=2304	40007	
810 6.909129 811 6.917523 813 6.937882 813 6.937882 814 6.949125 815 6.937517 816 6.969101 817 6.977560 818 6.989137 819 6.989137 819 6.997540 820 7.009160	192.168.1.206 192.168.1.2 192.168.1.206 192.168.1.206 192.168.1.2	192.168.1.2		Payload t	VDE=ITU-T	G. 711 PC	MA.	55RC=2440658488.	Seg=16335, Time=49	40827	
 \$12 6.929115 \$13 6.937882 \$14 6.949125 \$15 6.957517 \$16 6.969101 \$17 6.977560 \$18 6.989137 \$19 6.997540 \$19 6.997540 \$20 7.009160 	192.168.1.206 192.168.1.2		RTP	Payload t	VDC=ITU-T	G. 711 PC	MA.	55RC=3910402853.	Seq=939, Time=2320	0	
<pre>813 6.937882 814 6.949125 815 6.957517 816 6.969101 817 6.977560 818 6.989137 819 6.987540 820 7.009160</pre>	192.168.1.2	103 168 1 3	RTP	Payload t	ype=ITU-T	G. 711 PC	MA,	SSRC#2440658488.	Seq=16336, Time=49	40987	
314 6.949125 315 6.957517 316 6.969101 317 6.977560 318 6.989137 319 6.997540 320 7.009160		192.168.1.2 192.168.1.206	RTP	Payload t	vpe=ITU-T	G. 711 PC	MA.	55RC=244065R488	Seq=940, Time=2336 Seq=16337, Time=49	41147	
16 6.969101 17 6.977560 18 6.989137 19 6.997540 120 7.009160		192.168.1.2	RTP	Payload t	ype=ITU-T	G. 711 PC	MA,	55RC=3910402853,	Seq=941, Time=2352	0	
817 6.977560 818 6.989137 819 6.997540 820 7.009160	192.168.1.2	192,168,1,206	RTP	Payload t	ype=ITU-T	G.711 PC	MA, 1	SSRC#2440658488,	Seq#16338, Time=49	41307	
18 6.989137 19 6.997540 20 7.009160	192.168.1.206	192.168.1.2	RTP	Payload t	ype=ITU-T	G. 711 PC	MA,	SSRC=3910402853,	Seq#942, Time#2368	0	
19 6.997540 20 7.009160	192.168.1.2 192.168.1.206	192.168.1.206 192.168.1.2	RTP	Payload t	ype=ITU-T	G. 711 PC	MA.	SSBC=2440638488,	Seq=16339, Time=49 Seq=943, Time=2384	0	
20 7.009160	192.168.1.2	192.168.1.206	RTP	Payload t	ype=ITU-T	G.711 PC	MA,	SSRC=2440658488,	Seq=16340, Time=49	41627	
	192.168.1.206	192.168.1.2	RTP	Payload t	ype=ITU-T	G. 711 PC	MA, S	SSRC=3910402853.	Seq=944, Time=2400	0	
21 7.017587	192.168.1.2	192.168.1.206	RTP						Seq=16341, Time=49		
22 7.029127	192.168.1.206 192.168.1.2	192.168.1.2 192.168.1.206	RTP						Seq=945, Time=2416 Seq=16342, Time=49		
24 7.049089	192.168.1.206	192.168.1.2	RTP						Seq=946, Time=2432		
25 7.057540	192.168.1.2	192.168.1.206	RTP	Payload t	ype=ITU=T	G.711 PC	MA.	SSRC=2440658488,	Seq=16343, Time=49	42107	
26 7.069112	192.168.1.206	192.168.1.2	RTP	Payload t	ype=ITU-T	G.711 PC	MA,	SSRC=3910402853,	seq=947, Time=2448	0	
27 7.077500 28 7.089083	192.168.1.2 192.168.1.206	192.168.1.206 192.168.1.2	RTP	Payload t	VDA-ITU-T	G.711 PC	MA.	SSRC=3910402853.	Seq=16344, Time=49 Seq=948, Time=2464	0	
29 7.097524	192.168.1.2	192.168.1.206	RTP	Payload t	ype=ITU-T	G.711 PC	MA.	SSRC=2440658488.	Seq=16345, Time=49	42427	
30 7.109106	192.168.1.206	192,168.1.2	RTP	Payload t	VDE=ITU-T	G. 711 PC	MA,	SSRC=3910402853.	Seg=949, T1me=2480	IÓ	
331 7.117739 332 7.129074	192.168.1.2 192.168.1.206	192.168.1.206 192.168.1.2	RTP	Payload t	ype=ITU-T	G. 711 PO	MA,	SSRC=2440658488.	Seq=16346, Time=49 Seq=950, Time=2496	42587	
	h. 314 horse	141,109,111	KIN	Payload C	ADG=110-1	G.711 PO	JRA :	55KC=3910402833.	Sed=3201 1106+2430		
Capture Leng	th: 214 bytes										
	in frame: eth:1p:udp										
	Src: 192.168.1.2), [ost: 192.	168.1.206 (
Source: 192.											
to no no											
	col, src: 192.168.1	2 (192.168.1.2), 0	DST: 192.	168.1.206 (192.168.1.	.206)					
Version: 4	L. 20 L										
Header lengt	ed Services Field:	0-10 (0000 0-20: 0]	are sole		10,000						
	= Differentiated Se										
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	= ECN-CE: 0										
Total Length											
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Flags: 0x00	second lates was your										
	erved bit: Not set i't fragment: Not se										
							_				
00 0e 43 9	0 01 59 00 0e 8b 0 a 00 00 3d 11 f8 2	5 2c 3a 08 00 45 a0 a c0 a8 01 02 c0 a8 5 80 88 3f 55 00 4b	· . C)	(E							
00 0e 43 9 00 c8 00 3 01 ce ea 6	a 00 00 30 11 18 2 0 ea 60 00 b4 87 3	a co as 01 02 co as 5 80 88 3f 55 00 4b			ĸ						
17 db 91 7	9 7e 38 50 50 51 5 7 d7 d7 d7 d4 d4 d c dc dc cc cc cc d	1 56 57 54 54 55 d5	V~	PP QQVWTTU							

Packet. Because of [In-Band] mode, nothing will be found in the Packet.

Example 3: Send DTMF SIP Info

Step 1: On the main page, select [SIP→DTMF] and enter [DTMF] page. After revising the information (e.g., Send DTMF SIP info), click [Submit].

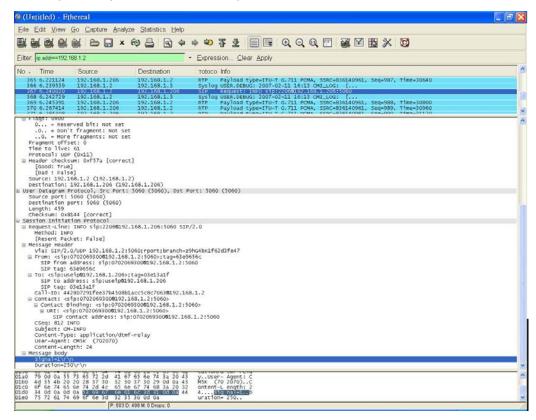
DTMF Setting

You could set the DTMF setting in this page.								
O RFC 2833								
O Inband DTMF								
Send DTMF SIP Info								
Submit Reset								

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: After rebooting and making call to another equipment, press DTMF (e.g.:111); please check [Ethereal] Packet and [SIP, Request: INFO SIP: xxxx] column.



4.6 **RPort Setting**

4.6.1 Function

RPort Setting provides RPort Setting.

4.6.2 Instructions

RPort Setting

You could enable/disable the RPort setting in this page.

RPort: ⊙On ○Off

Submit Reset

PDort	Default: O. When setting to ON, RPort setting will be active. It provides ON and
RPort	OFF modes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.



4.6.3 Operating Instructions

Step 1: On the main page, select [SIP→RPort] and enter [Rport] page. After revising the information (e.g.: RPort: on), click [Submit].

RPort Setting

You could enable	You could enable/disable the RPort setting in this page.			
RPort:	⊙ On ◯ Off			
	Submit Reset			

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting and making call to another equipment, please check [Ethereal] Packet and [Message Hearer] with the tag "received" and "rport" in "Via" column. That is used for recording IP Address and Port Number.

ile Edit View	Go Capture Analyze Statistics Help	
		M 15 × 10
ilter. sip	Expression. Clear Apply	
o Time	Source Destination rotoco Info	
1 0.000000	61.62.236.71 192.168.1.21 SIP Status: 407 Proxy Authentication Req 192.168.1.21 61.62.236.71 SIP Request: ACK sip:2206961.62.236.71	ufred
3 0.195390 4 0.313879	192.168.1.21 61.62.236.71 SIP Request: ACK s1p:2206961.62.236.71 192.168.1.21 61.62.236.71 SIP/SD Request: INVITE s1p:2206961.62.236.71	1. with setsion description
5 0.412490	61.62.236.71 192.168.1.21 SIP Status: 100 Trying	
7 0.734421 9 0.749923	61.62.236.71 192.168.1.206 SIP/SD Request: INVITE s1p:2206961.228.170.1 61.62.236.71 192.168.1.21 SIP/SD Status: 183 Session Progress, with sc	
35 1.331767 44 1.438010	192.168.1.206 61.62.236.71 SIP Status: 100 Trying 192.168.1.206 61.62.236.71 SIP Status: 180 Ringing	
579 9.110449	192.168.1.208 61.62.236.71 SIP Request: REGISTER 51p:61.62.236.71	
585 9.196802 587 9.207141	61.62.236.71 192.168.1.208 SIP Status: 100 Trying (1 bindings) 61.62.236.71 192.168.1.208 SIP Status: 401 Unauthorized (1 bindings)	nas)
Manufactoria and	erved bit: Not set	ages -
Destination: User Datagram P Source port: Destination p Length: 425 Checksum: 0x8 Session Initiat i Status-Line: Status-Code [Resent Pac Hessage Heade	tel 37, (41.42.336.77) 393.5464.12 (54.54.54.1.23) Protocol, src Certi 5060 (5060), ost Port: 5060 (5060) 5060 (5060) 5060 (5060) 1079 [carrect] tion Protocol 517/2.0 100 TryIng tr 100 TryIng tr 100 TryIng	
via: SIP/2.	.0/UDP 192.168.1.21:5060; branch=z9hG4bK432baba8fc; recefved=61.228.170.167; rport=5363	L.
SIP Displ SIP from SIP tag: E To: <\$1p:22 SIP to ad Call=10: 6f CSeq: 802 I User-Agent: Allow: INVI E Contact: <\$ E Contact: <\$ E Contact: <\$ E UNI: <\$	20096L.02.336,715 dores: fp122096L.02.336,71 f2dbt72790123ar45bdcc8217bd2ce08192.108.1.21 NUTTE 0 0715-00 f012006L.02.216,715 effod1ng: cstp122006AL.02.38,715 effod1ng: cstp122006AL.02.38,715	
SIP content-Len	contact address: s1p:2206061.62.236.71	
10 10 10 11 10		
40 51 34 20 53 50 19 32 24 31	5 40 50 47 52 48 50 47 54 45 50 50 11 51 11 12 11 77 50 50 1 16 88 26 67 1 28 12 51 16 35 30 86 10 20 1.61 12 12 15 50 0 1 6 6 68 10 7 4 19 68 67 14 67 40 16 1 16 10 16 16 16 16 16 16 16 16 16 16 16 16 16	

4.7 STUN Setting

4.7.1 Functions

STUN Setting could set the IP of STUN Server information.



4.7.2 Instructions

STUN Setting

You could set the IP of	STUN server in this page.
STUN:	◯ On ④ Off
STUN Server:	stun.xten.com
STUN Port:	3478 (80~65535)
Force Public IP:	◯ On 💿 Off
Public IP address:	
Port:	5060 (80~65535)
	Submit Reset

STUN	Default: Off. When setting to ON, STUN will be active.						
STUN Server	Default: stun.xten.com; Can be IP Address or Domain Name. Format:						
	xxx.xxx.xxx ; Maximum length: 63 bytes.						
STUN Port	Default: 3478; Data range: (1024~65535); Maximum length: 5 bytes.						
Submit [Button]	Submit the change.						
Reset [Button]	Clear the change.						

4.7.3 Operating Instructions

Step 1: On the main page, select [SIP→STUN] and enter [STUN] page. After revising the information (e.g., STUN: On, STUN Server: stun.xten.com, SUTN Port: 3478), click [Submit].

STUN Setting

You could set the IP of	STUN server in this page.
STUN:	🔘 On 💿 Off
STUN Server:	stun.xten.com
STUN Port:	3478 (80~65535)
Force Public IP:	🔘 On 💿 Off
Public IP address:	
Port:	5060 (80~65535)
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: Please check [Ethereal] Packet. The information that is sent to STUN Server will be seen.

ntel(R) PRO/I	1000 MT Mobile	Connection (Micr	osoft's Packet Scheduler) : Capturing - Ethereal	
e <u>E</u> dit ⊻iew :	Go Capture Anal	yze <u>S</u> tatistics <u>H</u> elp		
	😹 🗁 🖾 🗙	re 🖨 🔄 🗢	👄 🕶 🎖 🖢 🗐 🕞 🔍 Q, Q, 🔍 🔛 🖉 🖼 🖉	
er: stun			Expression Clear Apply	
- Time	Source	Destination	irotoco Info	
37 24.664517 38 24.808545		64.69.76.23 193.165.1.305	STUN Message: Binding Request STUN Message: Binding Response	
39 24.856336 42 24.977007	64.69.76.23 192.168.1.206	192.168.1.206 64.69.76.23	STUN Message: Binding Response STUN Message: Binding Request	
43 25.024360 48 25.171512	192.168.1.206 64.69.76.23	64.69.76.23 192.168.1.206	STUN Message: Binding Request STUN Message: Binding Response	
49 25.215849 52 25.343193	64.69.76.23 192.168.1.206	192.168.1.206 64.69.76.23	STUN Message: Binding Response STUN Message: Binding Request	
53 25.384231	192.168.1.206	64.69.76.23	STUN Message: Binding Request	
56 25.555753 57 25.576703	64.69.76.23 64.69.76.23	192.168.1.206 192.168.1.206	STUN Message: Binding Response STUN Message: Binding Response	
[Dad : Fals				
	.76.23 (64.69.76.)			
ser Datagram P	rotocol, Src Port	: 3478 (3478), Dst	Port: 5060 (5060)	
Source port: 1	3478 (3478) ort: 5060 (5060)			
Length: 96				
checksum: 0x1/ imple Traversa	6e6 [correct] 1 of UDP Through I	NAT		
Message Type:	Binding Response			
Message Lengtl Message Trans-	h: 0x0044 action ID: 88D288	D90565B5A65878A80E5	3615C82	
Attributes				
	MAPPED-ADDRESS Type: MAPPED-ADDR	RESS (0×0001)		
Attribute	Length: 8 Family: IPv4 (0x00	(100		
Port: 3546	61			
	3.168.80 (61.228.1 SOURCE-ADDRESS	168.80)		
Attribute	Type: SOURCE-ADDR	RESS (0x0004)		
	Length: 8 Family: IPv4 (0x00	001.5		
Port: 3478	8			
	.76.23 (64.69.76.2 CHANGED-ADDRESS	23)		
Attribute	Type: CHANGED-ADD	DRESS (0x0005)		
	Length: 8 Family: IPv4 (0x00	C100		
Port: 3479	9			
	.76.24 (64.69.76.2 Unknown (0x8020)	24)		
Attribute	Type: Unknown (0)	(8020)		
	Length: 8 Unknown (0x8022)			
	Type: Unknown (0>	×8022)		
Attribute			A FERRINA A FERRICA	
Attribute	8a 85 1d e4 a8 5	10 00 04 00 08 00 0 08 00 01 0d 97 40 4		
Attribute 0 00 08 00 01 0 0d 96 40 45 0 4c 18 80 20	84 85 50 e4 48 5 4c 17 00 05 00 0 00 08 00 01 02	08 00 01 0d 97 40 4 57 b5 36 10 89 80 2		
Attribute	84 85 50 e4 48 5 4c 17 00 05 00 0 00 08 00 01 02	08 00 01 0d 97 40 4		

4.8 Other Settings

4.8.1 Functions

Other Settings provide the application that is related to SIP, including Hold by RFC, QoS, SIP Expire Time, Use DNS SRV, etc.



4.8.2 Instructions

Other Settings

You could set other settings in this page.

Hold by RFC:	On ⊙Off
Voice QoS (Diff-Serv):	40 (0~63)
SIP QoS (Diff-Serv):	40 (0~63)
SIP Expire Time:	60 (15~86400 sec, 0=define by Server)
Use DNS SRV:	On ⊙Off
Send Keep Alives Packet:	On ⊙Off
Keep Alives Period:	60 (15~250 sec)
Jitter Buffer:	1 (0~32 packets)
SIP Server type:	General 💌
SIP VID (VLAN):	0 (2~4094, 0:disabled)
RTP VID (VLAN):	0 (2~4094, 0:disabled)

Submit Reset

Hold by RFC	Default: Off. When setting to ON, Hold by RFC function will be active. Provides				
	ON and OFF modes.				
Voice Oce (Diff Serv)	Default: 40; Only numerals are accepted. Data range: (0~63). Maximum length				
Voice QoS (Diff-Serv)	is 2 bytes.				
	Default: 40; Only numerals are accepted. Data range: (0~63). Maximum length				
SIP QoS (Diff-Serv)	is 2 bytes.				
SIP Expire Time	Default: 60; Only numerals are accepted. Data range: (30~86400 sec).				
SIF Expire fillie	Maximum length is 5 bytes.				
Use DNS SRV	When setting to ON, DNS SRV will be used to search host information.				
USE DING SKV	Provides ON and OFF modes.				
Submit [Button]	Submit the change.				
Reset [Button]	Clear the change.				



4.8.3 Operating Instructions

Example 1: Start Hold by RFC

Step 1: On the main page, select [SIP→Other] and enter [Other] page. After revising the information (e.g., Hold by RFC: on), click [Submit].

Other Settings

You could set other settings in this	page.
Hold by RFC:	⊙ On ◯ Off
Voice QoS (Diff-Serv):	40 (0~63)
SIP QoS (Diff-Serv):	40 (0~63)
SIP Expire Time:	60 (15~86400 sec, 0=define by Server)
Use DNS SRV:	◯ On ⊙ Off
Send Keep Alives Packet:	On ⊙Off
Keep Alives Period:	60 (15~250 sec)
Jitter Buffer:	1 (0~32 packets)
SIP Server type:	General 🗸
SIP VID (VLAN):	0 (2~4094, 0:disabled)
RTP VID (VLAN):	0 (2~4094, 0:disabled)
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: After rebooting and making call to equipment, press [Flash] and hold this call. Hold function change to "sendonly" even. Please refer to the following picture, column [[Media Attribute (a): sendonly].

Time Source Destination Yotocol Info 10 V.72035 30.3% 9.124 30.5% 9.124 30.5% 9.124 30.5% 9.124 10 V.72035 30.3% 9.124 30.5% 9.124 30.5% 9.124 30.5% 9.124 10 30.5% 9.124 30.5% 9.124 30.5% 9.124 30.5% 9.124 30.5% 9.124 10 14.5035 30.5% 9.124 30.5% 9.124 30.5% 9.127 30.5% 9.127 11 30.5% 9.127 10.5% 9.126 31.5% 9.126 31.5% 9.126 31.5% 9.126 12 0.35% 9.227 10.5% 9.126 31.5% 9.126 31.5% 9.126 31.5% 9.126 12 0.35% 9.227 10.5% 9.126 31.5% 9.126 31.5% 9.126 31.5% 9.126 13 9.35% 9.127 10.5% 9.126 31.5% 9.126 31.5% 9.126 31.5% 9.126 13 14.5% 9.227 10.5% 9.126 31.5% 9.126 31.5% 9.126 31.5% 9.126 13 14.5% 9.227 10.5% 9.126 31.5% 9.227 31.5% 9.126 31.5% 9.126 13 10.5% 9.126 31.5%	KE2100_HOL1	D_throughGW.c	ap - Ethereal		_ F
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9 3.14466 30.56.0.227 10.55.0.226 10.55.0.227 310 measure 1.0.271 10.500000, with session description 112 0.03707 30.56.0.227 10.050.027 310 measure 1.0.271 10.500000, with session description 112 0.03707 30.56.0.227 10.050.026 310 310 310 310 310 310 310 310 310 310		10.56.9.225		SIP Request: ACK s1p:5000010.56.9.123:5060	
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13 B.034604 10.05.9.227 10.05.9.229 10.05.9.220 10.05.9.220 10.05.9.227 310.00 modescription 14 0.054604 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.0.02773060 14 0.7.97076 10.05.9.227 10.05.9.226 10.05.9.227 10.05.9.227 10.05.0.02773060 14 0.7.97076 10.05.9.227 10.05.9.226 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.226 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.227 10.05.9.226 10.05.9.227 10.05.9.227 10.05.9.226 10.05.9.227 10.05.9.2	11 9.012329	10.56.9.126	10.56.9.227	SIP/SD Request: INVITE s1p:95000010.56.9.227:25060, with session description	
14 9.59000 10.55.9.126 10.55.9.127 SIP Request: Acx stp:50000010.55.9.227:20000 15 17.502346 10.55.9.127 10.55.9.127 10.55.9.127 10.55.9.127 15 17.502346 10.55.9.127 10.55.9.127 10.55.9.127 10.55.9.127 15 17.502346 10.55.9.127 10.55.9.127 10.55.9.127 10.55.9.127 15 18.21440 10.55.9.128 10.55.9.127 10.55.9.127 10.55.9.127 17 17.502346 10.55.9.127 10.55.9.127 10.55.9.127 10.55.9.127 18.21440 10.55.9.128 10.55.9.128 10.55.9.127 10.55.9.127 18.21440 10.55.9.128 10.55.9.123 317.9900 10.55.9.127 10.55.9.123 12 31.490724 10.55.9.123 317.9900 10.55.9.123 317.9900 10.55.9.123 317.9900 User -again: Cellsr (50022) 10.55.9.123 317.9900 318.9900 10.55.9.123 317.9900 User -again: Cellsr (5002) 10.55.9.123 317.9900 35500 316.9100 35500 Owner Moreator, Expression 10 (0): - 56892 0 1 N IM 10.56.9.123	12 9.013707			SIP Status: 100 Trying	
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<pre>SUP Contact appress: 310:10000000.03.01.01.01.01.01.01.0000000000</pre>				SIP/SD Request: INVITE sip:2275001010.56.9.225:25060, with session description	
<pre>SUP Contact appress: 310:10000000.03.01.01.01.01.01.01.0000000000</pre>		10.56.9.225	10.56.9.123	SIP/SD Status: 200 (Fying SIP/SD Status: 200 ok, with session description	
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		a and 10 hera	D: 30 M 0		

Example 2: Without Using DNS SRV

Step 1: Please check [Ethereal] Packet and [Standard query response A 220.128.207.131] Packet information.

(Untitled) - Et	hereal							
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54 14.139129 55 14.184649	192.168.1.5 220.128.207.131	220.128.207.131 192.168.1.5	STP Reques	401 Unauthor	pisip.peercall.co	in and a second		
57 14.472291	192.168.1.5 220.128.207.131	220.128.207.131	SIP Reques	: REGISTER ST	p:sip.peercall.co bindings)	in .		
58 14.522823 151 19.696642 152 19.731336	192.168.1.5	192.168.1.5 168.95.192.1 192.168.1.5	DNS Standa	nd query a tim	e.windows.com nse A 207.46.130.			
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rfy Name (dns.gry nam	ne), 18 bytes P: 242 D	CSM: 0 Drops: 0						



Example 3: Using User DNS SRV

Step 1: On the main page, select [SIP→Other] and enter [Other] page. After revising the information (e.g., Used DNS SRV: on), click [Submit].

Other Settings

You could set other settings in this page.

Hold by RFC:	○ On ⊙ Off
Voice QoS (Diff-Serv):	40 (0~63)
SIP QoS (Diff-Serv):	40 (0~63)
SIP Expire Time:	60 (15~86400 sec, 0=define by Server)
Use DNS SRV:	⊙ On ○ Off
Send Keep Alives Packet:	On ⊙Off
Keep Alives Period:	60 (15~250 sec)
Jitter Buffer:	1 (0~32 packets)
SIP Server type:	General 🗸
SIP VID (VLAN):	0 (2~4094, 0:disabled)
RTP VID (VLAN):	0 (2~4094, 0:disabled)
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: Please check [Ethereal] and [Standard query] column, [Standard query SRV_sip_upd.sip.peercall.com] information will be found.

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Time Source Destination rotoco Info (************************************	le Fait Alem	and the second sec											
Time Source Destination Totoco Info 6 #352ed3 153456381 163555241 102.000 102.000 7 # 124000 163.000 103.000 103.000 103.000 103.000 9 # 127000 163.000 103.000	梁 聖 聖 聖			⇒ ÷€) :	F 2		Q, C	s Q			N R	0	
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Chapter 5. Network Setting

It provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server and SNTP Setting.

5.1 Status

5.1.1 Functions

Network Status shows the current network status.

5.1.2 Instructions

Network Status (Bridge Mode)

Network Status

This page shows current status of network interfaces of the system.

System Up Time:	0 dia(s) 0 hora(s) 3 minuto(s)
Network Link Up Time:	0 dia(s) 0 hora(s) 3 minuto(s)

Interface 0	
Туре:	Fixed IP Client
IP:	192.168.1.45
Mask:	255.255.255.0
Gateway:	192.168.1.254
DNS Server 1:	202.96.128.166
DNS Server 2:	202.96.134.133

Interface 0	Shows the current status of Interface 0(WAN Port)
Туре	Shows the current type.
IP	Shows the current IP address.
Mask	Shows the current subnet mask IP address.
Gateway	Shows the current default gateway IP address.
DNS Server 1	Shows the current DNS server 1 IP address.
DNS Server 2	Shows the current DNS server 2 IP address.



Network Status (NAT Mode)

Network Status

This page shows current status of network interfaces of the system.

System Up Time:	0 dia(s) 0 hora(s) 2 minuto(s)
Network Link Up Time:	0 dia(s) 0 hora(s) 2 minuto(s)
Interface 0	
Туре:	Fixed IP Client
IP:	192.168.1.45
Mask:	255.255.255.0
Gateway:	192.168.1.254
DNS Server 1:	202.96.128.166
DNS Server 2:	202.96.134.133

Interface 1	
Туре:	Fixed IP Client
IP:	192.168.0.1
Mask:	255.255.255.0
Gateway:	192.168.0.1
DNS Server 1:	202.96.128.166
DNS Server 2:	202.96.134.133

Interface 0	Shows the current status of Interface 0(WAN Port)
Туре	Shows the current type.
IP	Shows the current IP address.
Mask	Shows the current subnet mask IP address.
Gateway	Shows the current default gateway IP address.
DNS Server 1	Shows the current DNS Server 1 IP address.
DNS Server 2	Shows the current DNS Server 2 IP address.
Interface 1	Shows the current status of Interface 1(LAN Port)
Туре	Shows the current type.
IP	Shows the current IP address.
Mask	Shows the current subnet mask IP address.
Gateway	Shows the current default gateway IP address.
DNS Server 1	Shows the current DNS server 1 IP address.
DNS Server 2	Shows the current DNS server 2 IP address.



5.1.3 Operating Instructions

Step 1: On the main page, select [Network→Status] and Network Status will be seen.

Network Status

This page shows current status of network interfaces of the system.

System Up Time:	0 dia(s) 11 hora(s) 16 minuto(s)
Network Link Up Time:	0 dia(s) 1 hora(s) 16 minuto(s)

Interface 0	
Туре:	Fixed IP Client
IP:	192.168.1.54
Mask:	255.255.255.0
Gateway:	192.168.1.254
DNS Server 1:	168.95.1.1
DNS Server 2:	8.8.8.8

Interface 1	
Туре:	Fixed IP Client
IP:	192.168.0.1
Mask:	255.255.255.0
Gateway:	192.168.0.1
DNS Server 1:	168.95.1.1
DNS Server 2:	8.8.8.8

5.2 WAN Setting

5.2.1 Function

WAN Setting provides WAN Setting.



5.2.2 Instructions

WAN Settings

You could configu	re the WAN settings in this page.
LAN Mode:	O Bridge ③ NAT
WAN Setting	
IP Type:	○ Fixed IP ○ DHCP Client ⊙ PPPoE
IP:	203.73.18.238
Mask:	255.255.255.0
Gateway:	203.73.18.1
DNS Type:	⊙ Fixed O Auto
DNS Server1:	168.95.1.1
DNS Server2:	8.8.8.8
MAC:	00304f58516b
Host Name:	
PPPoE Setting	
User Name:	t0399199
Password:	•••••
Password:	•••••
Service Name:	
AC Name:	

Submit Reset

Default: NAT. NAT is different from WAN; LAN will dispatch IP to DHCP Server
automatically. When Bridge is on, WAN and LAN can be at the same subnet.
Provides the WAN setting
Default: DHCP Client, provides Fixed IP, obtains IP Address automatically.
PPPoE: ADSL Dialing number.
Default: current IP Address; or any IP Address that is xxx.xxx.xxx.xxx. If would
like to change IP Address, please set IP Type as "Fixed IP". Maximum length is
15 bytes.
Default: current Subnet Mask IP Address. Format: xxx.xxx.xxx.xxx. Or change
Subnet Mask IP. Maximum length is 15 bytes.
Default: current gateway IP address; or change Gateway IP. Maximum length
is 15 bytes.
Default: 168.95.192.1. Can input IP or Domain Name, format: xxx.xxx.xxx.xxx. If
you would like to gain DHCP or PPPoE Server automatically, please fill in this
blank as "0.0.0.0". Maximum length is 15 bytes.
Default: 168.95.1.1. Can input IP or Domain Name, format: xxx.xxx.xxx.xxx. If
you would like to gain DHCP or PPPoE Server automatically, please fill in this
blank as "0.0.0.0". Maximum length is 15 bytes.
Show MAC ID Address. Maximum length is 12 bytes.
Default: product name. Numerals or characters are both acceptable. Length: 15
bytes.
Provides PPPoE Setting.
Provides user's name of PPPoE Server; can be numerals or characters.
Length: 63 bytes.
Provides password of PPPoE Server; can be numerals or characters. Length:



	63 bytes.	
Service Name	Provides service's name of PPPoE server; can be numerals or characters.	
	Maximum length is 63 bytes.	
AC Name	Provides AC's name of PPPoE server; can be numerals or characters.	
	Maximum length is 63 bytes.	
Submit [Button]	Submit the change.	
Reset [Button]	Clear the change.	

5.2.3 Operating Instruction

Step 1: On the main page, select [Network→WAN] and enter [WAN] page. After revising information (e.g., IP Type: DHCP client), click [Submit].

WAN Settings

You could configure the WAN settings in this page.		
LAN Mode:	O Bridge ⊙ NAT	
WAN Setting		
IP Type:	○ Fixed IP ⊙ DHCP Client ○ PPPoE	
IP:	192.168.1.102	
Mask	255.255.255.0	
Gateway:	192.168.1.47	
DNS Type:	⊙ Fixed O Auto	
DNS Server1:	168.95.1.1	
DNS Server2:	8.8.8.8	
MAC:	00304f58516b	
Host Name:	VOIP_PHONE	
PPPoE Setting		
User Name:	t0399199	
Password:	••••••	
Password:		
Service Name:		
AC Name:		
	Submit Reset	

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: To view [Host Name] by Ethereal, please refer to [Option 12Host Name= "VOIP Phone"] as follows.

		• • • • • • ± = = • • • • • • • • • • •	
Iter dhop			
11110	D. L. L		
 Time Source 30 11, 240796 0.0.0.1 	Destination	Trotoco Info 5 DHCP DHCP Discover - Transaction ID 0xee/45ca	
37 11.248003 192.168 38 11.249339 0.0.0.0	.1.1 255.255.255.25	5 DHCP DHCP offer - Transaction ID 0xee745ca	
39 11.250529 192.168 76 27.074114 192.168	.1.1 255.255.255.25	5 DHCP DHCP ACK - Transaction ID 0xee745ca	
62 18 242790 192 163	1 3 168 95 192 1	DNS Standard overv 4 time windows com	
Flags: 0x00	(1)		
0 = Reserved bit: .0 = Don't fragmen			
= More fragment			
Fragment offset: 0 Time to live: 61			
Protocol: UDP (0x11)			
Header checksum: 0x7ca [Good: True]	5 [correct]		
[Bad : False]			
Source: 0.0.0.0 (0.0.0 Destination: 255.255.2	.0) 55.255 (255.255.255.255)		
	Src Port: bootpc (68), DSt	: Port: bootps (67)	
Destination port: boot			
Length: 308 Checksum: 0x82c4 [corr	octl		
Jootstrap Protocol	and the second		
Message type: Boot Rec			
Message type: Boot Red Hardware type: Etherne Hardware address lengt	t		
Message type: Boot Red Hardware type: Etherne	t h: 6		
Message type: Boot Red Hardware type: Etherne Hardware address lengt Hops: 0 Transaction ID: 0x0ee7 Seconds elapsed: 0	t h: 6 45ca		
Message type: Boot Rec Hardware type: Etherne Hardware address lengt Hops: 0 Transaction ID: 0x0ec Seconds elapsed: 0 Bootp flags: 0x8000 (L 1	t h: 6 45ca roadcast) = Broadcast flag: Broadcas	τ	
Message type: Boot Rec Hardware type: Etherne Hardware address lengt Hops: 0 Transaction ID: 0x0ee Seconds elapsed: 0 Bootp flags: 0x8000 (E 	t h: 6 45ca - Broadcast) - Broadcast flag: Broadcas - Reserved flag: 0x0000	τ	
Message type: boot Rec Hardware type: Etherne Hardware address lengt Hops: 0 Seconds elapsed: 0 bootp flags: 0x8000 (t 1	t h: 6 45ca = Broadcast) = Reserved flag: Broadcas = Reserved flag: 0x0000 .0.0 (0.0.0.0) s: 0.0.0.0 (0.0.0.0)	τ	
Message type: buot Rec Hardware type: Etherne Hardware address lengt Hops: 0 Transaction ID: 0x0ee3 Seconds elapsed: 0 bootp flags: 0x08000 (t 1	t h: 6 45ca = Broadcast) = Reserved flag: Broadcas = Reserved flag: 0x0000 .0.0 (0.0.0.0) ss: 0.0.0.0 (0.0.0.0) ss: 0.0.0.0 (0.0.0.0)	τ	
Message type: boot sec Hardware type: Etherne Hardware address lengt Hops: 0 Transaction ID: 0x0ee2 Seconds elapsed: 0 000tp flags: 0x8000 (t 1	t t: 6 45ca = Broadcast flag: Broadcas Reserved flags: Dx0000 ss: 0,0.0.0 (0,0.0.0) : 0,0.0.0 (0,0.0.0) : 0,0.0.0 (0,0.0.0) : 0,0.0.0 (0,0.0.0)	t D)	
Message type: boot sec Hardware type: Etherns Hardware address lengt Hops: 0 Transaction ID: 0x0ec2 Seconds elapsed: 0 uootp flags: 0x0000 (C L	t h:6 45ca = Broadcast flag: Broadcas = Reserved flags: Broadcas = Reserved flags: 0x0000 0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) 2.108.1.3 (0.0.0)	τ 	
Message type: boot sec Hardware type: Etherne Hardware type: Etherne Hardware type: Etherne Hardware type: Etherne Hardware type: Etherne Transaction ID: OxCee Seconds elapsed: 0 uootp flags: OxCool OxCoo Coment ID address: 0 Coment ID address: 0 Noto 0000 0000 0000 Coment IP address: Hardware IP address Client MAC address: 10 Server host name not Boot flle name not giv Megic cookle: (ok)	t h:6 45ca = Broadcast flag: Broadcas = Reserved flags: Broadcas = Reserved flags: 0x0000 0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) 2.168.1.3 (0.0.0.0) ren	τ •	
Message type: boot sec Hardware type: Etherne Hardware type: Etherne Hardware type: Etherne Hardware type: Etherne Seconds alspeed: 0 Bootp flags: 0x8000 (f L	t t: 6 45ca roadcast) = Broadcast Reserved flags: Broadcas .0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0.0 (0.0.0.0) : 0.0.0.0 (0.0.0.0) 2.168.1.3 (tion en en E Type = DHCP Discover WOID=BHOREO	t 	
Hessage type: boot sec Hardware Address lengt Hops: 0 Transaction ID: 0x0ee2 Seconds elapsed: 0 0000 0000 0000 0000 Client IP address: 0x000 (I 1	t t: 6 45ca = Broadcast flag: Broadcast = Reserved flags: 0x0000 .0.0 (0.0.0.0) : 0.0.0 (0.0.0) : 0.0.0	t ()	
Message type: boot sec Hardware Address lengt Hops: 0 Transaction ID: 0x0ee2 Seconds elapsed: 0 Bootp Flags: 0x8000 (f 1000 1000 0000 0000 client IP address: 0.6 Your (client) IP addre Nelay agent IP address: 15 Server host name not g Hagic cosk name not g Hagic cosk is name not g Hagic cosk is name not g Hardware type: Ether	t t: 6 45ca = Broadcast flag: Broadcast = Reserved flags: 0x0000 .0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 108.1.3 (.109.1.3 (.109.1	t)	
Message type: boot sec Hardware Address lengt Hops: 0 Transaction ID: 0x0ee2 seconds elapsed: 0 Boot Flags: 0x8000 (f L	t t: 6 45ca = Broadcast flag: Broadcast = Reserved flags: 0x0000 .0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 108.1.3 (.109.1.3 (.109.1	t 	
Message type: boot see Hardware Address lengt Hops: 0 Transaction ID: 0x0ee2 Seconds elapsed: 0 Bootp Flags: 0x0000 (f L	t t: 6 45ca = Broadcast flag: Broadcast = Broadcast flag: Douodo 0.0 (0.0.0.0) s: 0.0.0.0 (0.0.0.0) : 0.0.0 (0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0) : 0.0.0 (0.0	•	
Message type: boor sec Hardware Address lengt Hops: 0 Transaction ID: DxGee2 Seconds elapsed: 0 Boot plags: 0x8000 (L L	t t: 6 45ca = Broadcast flag: Broadcast = Reserved flags: 0x0000 .0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 0.0.0 (0.0.0.0) : 108.1.3 (.109.1.3 (.109.1		

5.3 LAN Setting

5.3.1 Function

LAN Setting provides LAN setting, including DHCP Server function.



5.3.2 Instructions

LAN Settings

You could configure the LAN settings in this page.

LAN Setting		
IP:	192.168.0.1	
Mask:	255.255.255.0	
MAC:	00304f334455	

DHCP Server	
DHCP Server:	○ On ⊙ Off
Start IP:	150
End IP:	200
Lease Time:	1 : 0 (dd:hh)

Submit Reset

LAN Setting	Provides LAN Setting.
IP	Default: 192.168.0.1 Format: xxx.xxx.xxx. Maximum length is 15 bytes.
Mask	Default: 255.255.255.0 provides Subnet Mask IP Address. Format:
	xxx.xxx.xxx. Maximum length is 15 bytes.
MAC	Shows MAD ID information. Maximum length is 12 bytes.
DHCP Server	Provides DHCP Server information.
DHCP Server	Default: OFF. When setting to ON, DHCP Server will run automatically.
Start IP	Default: 150, to set Start IP information. From (1~254). Maximum length is 3
Start IP	bytes.
End IP	Default: 200, to set End IP information. From (1~254). Maximum length is 3
Endir	bytes.
Lease Time	Default: 1:0 (dd: hh), to set lease time for dispatching IP information. From
	(00:00~99:23). Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.



5.3.3 Operating Instructions

Step 1: On the main page, select [Network→ LAN] and enter [LAN] page. After revising information (e.g., IP: 192.168.200.1, Start IP: 50, End IP: 100, Lease Time: 00:05), click [Submit].

LAN Settings

You could configur	re the LAN settings in this page.
LAN Setting	
IP:	192.168.200.1
Mask:	255.255.255.0
MAC:	00304f334455
DHCP Server	
DHCP Server:	⊙ On ○ Off
Start IP:	50
End IP:	100
Lease Time:	0 :05 (dd:hh)

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Submit Reset

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

5.4 DDNS Setting

5.4.1 Functions

DDNS Setting provides the floating IP information. There are four DDNS Servers.



5.4.2 Instructions

DDNS Settings

You could set the configuration of DDNS in this page.		
DDNS:	⊙ On Off	
Host Name:	8030nt.planetddns.com	
User Name:	test08	
Password:	•••••	
E-mail Address:		
DDNS Server:		
DDNS Server List:	planetddns.com 👻	
Туре:	customer 👻	
Wild Card:	on 🗸	
BACKMX:	○ On ⊙ Off	
Off Line:	○ On ⊙ Off	
	Submit Reset	

DDNS	Default: OFF. When setting to ON, DDNS will come into run. Maximum length is 63 bytes.
Host Name	Maximum length is 63 bytes. Input Host name; can be IP Address or Domain Name. Format: xxx.xxx.xxx. Length: 63 bytes
User Name	Input user's name for registering DDNS Server.
Password	Input the password. Maximum length is 63 bytes.
E-mail Address	Input e-mail address. Maximum length is 63 bytes.
DDNS Server	Maximum length is 60 bytes. Input DDNS Server; can be IP Address or Domain Name. Format: xxx.xxx.xxx. Maximum length is 63 bytes.
DDNS Server List	Default: OFF. Display DDNS server's name list information. Provides user input, members.dyndns.rog, <u>www.dtdns.com</u> , ddns.com.cn and planetddns.com.
Туре	Default: planetddns. Provides dyndns, statdns, customer, 3 items. If you choose customer, you can change the type information.
Wild Card	Default: ON. Provides On, Off, Nochg 3 items. Not all DNS providers can provide Wild Card. So if there is an issue about this, please contact your provider.
ВАСКМХ	Default: OFF. When setting to ON, BACKMAX will come into run. Not all DNS providers can provide this service, so of there is an issue about this, please contact your provider. MX records serve a specific purpose: They let you specify the host (server) to which mail for a specific domain should be sent.
OFF Line	Default: OFF. When setting to ON, OFF Line will come into run.



	Redirection of HTTP requests to hosts which are marked offline is available to users who have purchased some type of upgrade credit only. As a credited user, you will see an "Offline URL" range and a "Set Offline" checkbox. Simply enter the URL you wish to redirect to in the text range (or leave it blank to get a generic page), and check the "Set Offline" box. Users accessing http://yourhost.dyndns.org/ will be redirected to this page until you update normally, or manually uncheck the box in the web form.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.4.3 Operating Instructions

Example 1: Using WWW.DYNDNS.COM

Step 1: On the main page, select [Network→DDNS] and enter [DDNS] page. After revising information (e.g., DDNS: On, Host Name: 8030nt.planetddns.com, User Name: test08, Password: xxxxxx, E-mail Address: support.planet.com.tw, DNS Server: www.planetdns.com, DDNS Server List: User Input, Type: customer, Wild Card: on, BACKMX: off, Off Line: off), click [Submit].

You could set the configuration of DDNS in this page.		
DDNS:	⊙ On © Off	
Host Name:	8030nt.planetddns.com	
User Name:	test08	
Password:	•••••	
E-mail Address:		
DDNS Server:	w.planetddns.com	
DDNS Server List:	planetddns.com 👻	
Туре:	customer 💌	
Wild Card:	on 💌	
BACKMX:	○ On ⊙ Off	
Off Line:	○ On ⊙ Off	
	Submit Reset	

DDNS Settings

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



5.5 VLAN Setting

5.5.1 Functions

VLAN Setting provides Client information of WAN and VLAN information of LAN.



Need to work with switch decode VLAN.

5.5.2 Instructions

VLAN Settings

You could set the VLAN settings in this page.

VLAN Packets:	○ On ⊙ Off
VID (802.1Q/TAG):	136 (2 ~ 4094)
User Priority (802.1P):	0 (0 ~ 7)
CFI:	0 (0 ~ 1)

Submit	Reset
--------	-------

VLAN Packets	Default: OFF. When setting to ON, receiving VALN Packets function will be started.
VID	Default: 136. Provides Virtual LAN ID (VLAN or VID) for VLAN Server. Data range: 2~4094. Maximum length is 4 bytes.
User Priority	Default: 0. Set the user's priority. Data range: (0~7). Maximum length is 1 bytes.
CFI	Default: 0. To set Canonical Format Indicator (CFI) for one byte. Data Range (0~1) The CFI bit is used to indicate that all MAC addresses present in the MAC data field are in canonical format. This field is interpreted differently depending on whether it is an Ethernet-encoded tag header or a SNAP-encoded tag header. In SNAP-encoded TPID, the field indicates the presence or absence of the canonical format of addresses. In Ethernet-encoded TPID, it indicates the presence of the Source-Routing Information (RIF) field after the length field. The RIF field indicates routing on Ethernet frames.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.5.3 Operating Instructions

Step 1: On the main page, select [Network→VLAN] and enter [VLAN] page. After revising information (e.g. VLAN Packets: on, VID (802.1Q/TAG): 100, User Priority (802.1P):0, CFGI: 0), click [Submit].



VLAN Settings

You could set the VLAN settings in this page.						
VLAN Packets:	⊙On ○Off					
VID (802.1Q/TAG):	100 (2~4094)					
User Priority (802.1P):	0 (0 ~ 7)					
CFI:	0 (0 ~ 1)					
	Submit Reset					

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

5.6 DMZ Setting

5.6.1 Function

DMZ Setting provides DMZ data.

5.6.2 Instructions

DMZ Setting

You could configure your demilitarized zone setting in this page.				
DMZ:	◯ On ③ Off			
DMZ Host IP:	0.0.0.0			
	Submit Reset			

DMZ	Default: OFF. When setting to ON, all ethereal logs will be sent to the IP. (Except SIP related logs.)					
DMZ Host IP	Input IP Address information; can be IP or Domain Name. Format: xxx.xxx.xxx. Length: 15 bytes.					
Submit [Button]	Submit the change.					



5.6.3 Instruction

Step 1: On the main page, select [Network→DMZ] and enter [DMZ] page. After revising tone information, click [Submit].

DMZ Setting				
You could configure your demilitarized zone setting in this page.				
DMZ:	⊙ On ○ Off			
DMZ Host IP:	192.168.0.123			
	Submit Reset			

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

5.7 Virtual Server

5.7.1 Function

Virtual Server Setting provides 24 sets of Virtual Server information.

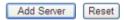


5.7.2 Instructions

Virtual Server Settings

You could set your virtual servers in this page. The usual port numbers are WEB [TCP 80], FTP(Control) [TCP 21], FTP(Data) [TCP 20], E-mail(POP3) [TCP 110], E-mail(SMTP) [TCP 25], DNS [UDP 53] and Telent [TCP 23].

Virtual Server Page: page 1 💌							
Num	Enable	Protocol	In Port	Ex Port	Server IP	Select	
0							
1							
2							
3							
4							
5							
6							
7							
Ena	able Select	ed D	elete Selected	Delete All	Reset		
Add Vi	rtual Serv	er					
Server	IP:						
Protoco	ol:	TCP	*				
Interna	Port Start	-	Intern	al Port End:			
Externa	al Port Sta	rt:	Exter	nal Port End:			



Virtual Server Page	Default: Page 1. Page 1~Page 3 are available.		
Num	Shows the Number Setting Range: (0-23).24 entries in total.		
Enable	Shows the status. Default: Disable. When setting to Enable, this function will be started.		
Protocol	Protocol: use TCP or UDP		
Internal Port Start	Shows the start address of Internal Port.		
Internal Port End	Shows the end address of Internal Port.		
External Port Start	Shows the start address of External Port.		
External Port End	Shows the end address of External Port.		
Server IP	Shows the Server IP Address.		
Select	Default: Disable.		
Enable Selected [Button]	Start Enable Selected information.		
Delete Selected [Button]	Execute delete selected information.		
Delete All [Button]	Delete all information.		
Reset [Button]	Clear selected information.		
Add Virtual Server	Add new Virtual Server Information.		
Server IP	Input IP information; can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Maximum length is 15 bytes.		
Protocol	Default: TCP, use tcp or udp		
Internal Port	Display internal port address. Data range: (1~65533). Maximum length is 5 bytes.		



External Port	Display internal port address. Data range: (1~65533). Maximum length is 5 bytes.
Add Server [Button]	Add new Add Server information.
Reset [Button]	Clear selected information.

5.7.3 Operating Instructions

Step 1: On the main page, select [Network→Virtual Server] and enter [Virtual Server] page. After revising information (Server IP: 192.168.0.123, Protocol: TCP, Internal Port: 8080, External Port: 8080), click [Submit].

irtual S	Server Pa	ge: page 1	1				
Num	Enable	Protocol	In Port	Ex Port		Server IP	Sele
0							
1							
2							
3							
4							
5							
6							
1							
Enat	ole Select	ed Del	ete Selecteo	d Delete All	Reset		
	tual Serve			_			
erver IF	P :	192.16	8.0.123				
rotocol		TCP	~				
ternal	Port Start	8080	h	nternal Port End:	8080		
xternal	Port Star	t: 8080	E	External Port End:	8080		

Virtual Server Settings

Step 2: You have to save and reboot the system or affect the virtual server.

- 60 -



Step 3: After adding all information, please save change.

Virt	/irtual Server Settings						
[TCP 21]	You could set your virtual servers in this page. The usual port numbers are WEB [TCP 80], FTP(Control) [TCP 21], FTP(Data) [TCP 20], E-mail(POP3) [TCP 110], E-mail(SMTP) [TCP 25], DNS [UDP 53] and Telent [TCP 23].						
Virtual	Server Pa	age: page 1	*				
Num	Enable	Protocol	In Port	Ex Port	Server IP	Select	
0	~	TCP	8080	8080	192.168.0.123		
1							
2							
3							
4							
5							
6							
7							
Enal	Enable Selected Delete Selected Delete All Reset						

Step 4: On the main page, press the save button on upper right corner to make the change effective. The [Note Information] page will be seen, meaning it has been saved successfully. And the system will reboot. Please wait for a while.

5.8 SNTP Setting

5.8.1 Function

SNTP Setting provides the website of time setting for the server.



5.8.2 Instructions

SNTP Settings

You could set the SNTP servers and Daylight Saving Time (DST) in this page.

SNTP:	⊛ On © Off			
Primary Server:	north-america.pool.n	tp.org		
Secondary Server:	asia.pool.ntp.org			
Time Zone:		00		
	GMT • • 08 •	(
Sync. Time:	0 6 0	(dd:hh:mm)		
Auto Reboot:	⊙ On ○ Off			
Auto Reboot Time:	02 💌 00 💌 (hh:	mm)		
Daylight Saving:	© On ⊛ Off			
DST Offset:	2 -			
DST Start Date:	Jan 😪			
DST Start Date:	 Day of Month 	01 🗸		
DST Start Date:	 Day of Month Week of Month 	Week 1	~	Sun 🗸
DST Start Date:	 Day of Month Week of Month Day of Month 			
DST Start Date:	 Day of Month Week of Month 	Week 1		Sun 💙
DST Start Date:	Day of Month Week of Month Day of Month Week of Month Week of Month	Week 1		
	Day of Month Week of Month Day of Month Week of Month Week of Month	Week 1		
	Day of Month Week of Month Day of Month Uay of Month Week of Month Start Time:	Week 1	~	Sun 💌
DST Start Date: DST End Date:	Day of Month Week of Month Day of Month Day of Month Week of Month Start Time:	Week 1 Week 1 00 V	~	

SNTP	When setting to ON, the SNTP is on; when setting to OFF, the SNTP is off.
Primary Server	Default: north-america.pool.ntp.org; can input IP or Domain Name, format is
Fillinary Server	xxx.xxx.xxx; and the maximum length is 63 digits.
Secondary Server	Default: asia.pool.ntp.org; can input IP or Domain Name, format is
Secondary Server	xxx.xxx.xxx; and the maximum length is 63 digits.
Time Zone	Default: GMT + 8:00 (hh:mm), and the format is (+/-, hh:mm). Maximum length
Time Zone	is 2 bytes.
Sync. Time	Default: 00:06:00 (dd:hh:mm), it will check the time with the Server every other
Sync. Time	day, format: (dd:hh:mm). Maximum length is 2 bytes.
Auto Reboot	Default: ON, 02:00 (hh:mm). VIP-8030NT will automatic restart every day at
Auto Rebool	2:00, user can turn off this function if not in use.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.



5.8.3 Operating Instructions

Step 1: On the main page, select [Network→SNTP] and enter [SNTP] page. After revising all information (e.g., SNTP: on, Primary Server: 208.184.49.9, Secondary Server: time.stdtime.gov.tw, Time Zone: GMT+08:00, Sync. Time: 00:12:00), click [Submit].

SNTP Settings

You could set the SNTP	servers and Daylight Saving Time (DST) in this page.
SNTP:	⊙ 0n ○ 0ff
Primary Server:	208.184.49.9
Secondary Server:	time.stdtime.gov.tw
Time Zone:	GMT + • 08 • 00 • (hh:mm)
Sync. Time:	0 :12 :0 (dd:hh:mm)
Auto Reboot:	◯ On ⊙ Off
Auto Reboot Time:	02 🗸 00 🗸 (hh:mm)
Daylight Saving:	◯ On ⊙ Off
DST Offset:	- 🗸 2 🗸
DST Offset:	- 🗸 2 🗸
DST Start Date:	Jan 🖂
	 Day of Month 01 v
	Week of Month
	Start Time: 00 💌
DST End Date:	Jan 💌
	Day of Month O1
	Week of Month Week 1 Sun V
	End Time: 00 🗸
	Submit Reset

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Chapter 6. System

It provides Authentication, Auto Config, FXO Port, MAC Clone, Tone, Advanced, Log, Auto Answer and Dial Plan.

6.1 System Auth.

6.1.1 Function

System Authority provides 3 entries login username/ password information.

6.1.2 Instructions

System Authority

You could change the login username/password in this page.

New username:		
New password:		
Confirmed password:		
	Submit Reset	

New username	Input new username. Can be numerals or characters; maximum length is 63
	bytes.
New password	Input new username. Can be numerals or characters; maximum length is 63
	bytes.
Confirmed password	Input confirmed username. Can be numerals or characters; maximum length is
	63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

- Special user: User cannot login to the system with another login account. Special user account cannot be changed.
- Default Account: Default Password: 123 for special user



- Administrator: Can set only one account information.
- Default Account: Default Password: 123 for adminstrator
- Normal User: There are 5 accounts available. When using this account, the following page cannot be open: [SIP Settings: including Service Domain, Port, Code, Codec ID, DTMF, RPort and other], Auto Configuration, Tone, Auto Update, Default Setting, etc.
- Default Account: Default Password: 123 for normal user.



6.1.3 Operating Instructions

Step 1: On the main page, select [System] and enter [Authentication] page. After revising the information (e.g., New User Name: planet, New Password: 123456, Confirmed Password: 123456), click [Submit]

System Authority

You could change the login username/password in this page.

New username:	planet
New password:	•••••
Confirmed password:	•••••
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: Please restart IE, and input new User Name and Password.

6.2 Auto Config

6.2.1 Function

Auto Configuration Setting allows connecting with the host computer and downloading related information and renewing the information in TFTP, FTP or HTTP modes.



6.2.2 Instructions

You could enable/disable the auto configuration setting in this page. Auto configuration: Off ○TFTP O FTP OHTTP 2 Steps configuration: No 👻 Server auto discover: Disabled ~ TFTP Server: TFTP File Path: Exp. download HTTP Server: Exp. 60.35.187.30 HTTP File Path: Exp. download FTP Server: Exp. 60.35.17.1 FTP Username: FTP Password: FTP File Path: Exp. file/load Scheduling: No ~ Next config time: Submit Reset

Auto Configuration Setting

Auto Configuration	Default: Off; When TFTP is set to ON, the version will be renewed automatically
Auto Configuration	by using TFTP, FTP pr HTTP modes.
	Input TFTP Address. Can be IP Address or Domain Name. Format:
TFTP Server	xxx.xxx.xxx; Maximum length: 63 bytes.
HTTP Server	Input HTTP Address. Can be IP Address or Domain Name. Format:
	xxx.xxx.xxx; Maximum length: 63 bytes.
HTTP File Path	Input HTTP Path e.g., 123/; can be numerals or characters. Maximum length:
	63 bytes.
FTP Server	Input FTP Address. Can be IP Address or Domain Name. Format:
	xxx.xxx.xxx; Maximum length: 63 bytes.
FTP Username	Input FTP Username. Can be numerals or characters. Maximum length: 63
FTP Usemanie	bytes.
FTP Password	Input FTP Password. Can be numerals or characters. Maximum length: 63
FTP Password	bytes.
ETD File Deth	Input File Path. e.g., 123/; can be numerals or characters. Maximum length: 63
FTP File Path	bytes.



Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.2.3 Operating Instructions

Example 1: Adopt HTTP to renew. (Please build Auto Configuration file first.)

Step 1: On the main page, select [System→Auto Config] and enter [Auto Configuration] page. After revising the information (e.g., Auto Configuration: HTTP, HTTP Server: 192.168.1.47, HTTP Path: /file/), click [Submit] and save change.

Auto Configuration Setting

You could enable/disable the auto configuration setting in this page

Auto configuration:	◯ Off	OTFTP	O FTP	⊙ HTTP	
2 Steps configuration:	No 👻	•			
Server auto discover:	Disable	ed	*		
TFTP Server:					
TFTP File Path:				Exp.	download
HTTP Server:	192.16	8.1.47		Exp.	60.35.187.30
HTTP File Path:	/file/			Exp.	download
FTP Server:				Exp.	60.35.17.1
FTP Username:					
FIP Password:					
FTP File Path:				Exp.	file/load
Scheduling:	No 👻	•			
Next config time:					
	Subm	it Rese	t I		

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting, it will connect to the file in HTTP Server, and start searching the fit information. After renewing all information, the system will rebooting. Then please login and check it.



Example 2: Using FTP to renew. (Please build Auto Configuration file.)

Step 1: On the main page, select [Others→Auto Config] and enter [Auto Configuration Setting] page. After revising the information (e.g., Auto Configuration: FTP, FTP Server192.168.1.47, FTP username and password are test / 123456, File Path: /file/), click [Submit] and save change.

Auto Configuration Setting

Auto configuration:	○ Off ○ TFTP · ⊙ FTP ○ HTTP
2 Steps configuration:	No 💌
Server auto discover:	Disabled 🗸
TFTP Server:	
TFTP File Path:	Exp. download
HTTP Server:	Exp. 60.35.187.30
HTTP File Path:	Exp. download
FTP Server:	192.168.1.47 Exp. 60.35.17.1
FTP Username:	test
FTP Password:	•••••
FTP File Path:	/file/ Exp. file/load
Scheduling:	No 💌
Next config time:	

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting, it will connect to the file in FTP Server, and start searching the fit information. After renewing all information, the system will reboot. Then please login and check it.

6.3 FXO Port Setting

6.3.1 Function

FXO Impedance Setting displays the FXO Impedance of the analog telephone in different countries.



6.3.2 Instructions

FXO Impedance Setting (Phone + FXO only)

FXO Setting

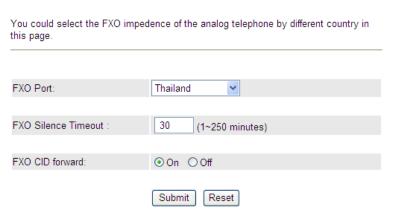
You could select the FXO imp page.	bedence of the analog telephone by different country in this
FXO Port:	USA
FXO Silence Timeout :	30 (1~250 minutes)
FXO CID forward:	○ On ⊙ Off
	Submit Reset

FXO Port	Default: China. To select FXO Port impedance of the analog telephone in a
TAOFOIL	different country.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.3.3 Operating Instructions

Step 1: On the main page, select [System \rightarrow FXO Port] and enter [FXO Port] page. After revising the information (e.g., FXO Port: Thailand), click [Submit].

FXO Setting



- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



6.4 MAC Clone

6.4.1 Function

You could enable / disable the MAC Clone setting.

6.4.2 Instruction

MAC Clone Setting (VoIP Gateway only)

MAC Clone Setting

You could enable/disable the MAC clone setting in this page.

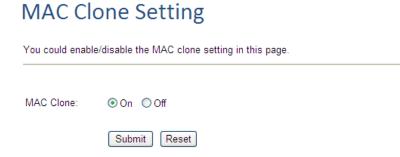
MAC Clone: On On Off



MAC Clone	Default: OFF. When setting to ON, Mac Clone function will be active.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.4.3 Operating Instructions

- Step 1: Please make sure that LAN Mode is NAT Mode, and your PC is connected to LAN Port. Use LAN to enter page: (http://192.168.0.1)
- Step 2: On the main page, select [System→MAC Clone] and enter [MAC Clone] page. After revising the information (e.g., MAC Clone: on), click [Submit].



Step 3: The following information will be found. Please click [OK].





Step 4: The following information will be found. Please click [OK].



Step 5: After saving the change, "Note Information" will be seen, meaning the change takes effect.

Step 6: On the main page, press the save button on upper right corner to make the change effective. The [Note

Information] page will be seen, meaning it has been saved successfully. And the system will reboot. Please wait for a while.

Step 7: Enter the main page and select [Network→WAN]. Please copy your PC's [MAC] Address to WAN Port. Step 8: Your PC's MAC Address is: Physical Address: 00-16-E6-8C-F8-F3.

Command Prompt 🗕 🗖 🗙					
Description Realtek RTL8169/8110 Family Gigabit hernet NIC Physical Address : 00-30-4F-91-DF-82					
hernet adapter Local Area Connection 3:					
Connection-specific DNS Suffix .: Description: Marvell Yukon 88E8056 PCI-E Gigabit hernet Controller Physical Address: 00-16-E6-8C-F8-F3 Dhcp Enabled: No IF Address: No IF Address: 192.168.1.48 Subnet Mask: 192.168.0.48 Subnet Mask: 255.255.255.0 Default Gateway: 192.168.0.1 DNS Servers: 168.95.1.1					
hernet adapter SSL Web UPN:					
Media State : Media disconnected Description : TAP-Win32 Adapter U9 Physical Address : 00-FF-27-58-B8-1B					
C:\Documents and Settings\ENM>					

Step 9: The WAN MAC of VIP-8030NT will change to the same MAC as with PC's MAC.

LAN Mode:	⊖ Bridge ⊙ NAT		
WAN Setting			
IP Type:	● Fixed IP ○ DHCP Client ○ PPPoE		
IP:	192.168.1.48		
Mask:	255.255.255.0		
Gateway:	192.168.1.254		
DNS Type:	● Fixed ○ Auto		
DNS Server1:	202.96.128.166		
DNS Server2:	202.96.134.133		
MAC:	0016e68cf8f3		



When setting MAC Clone function, make sure that it is in LAN→NAT mode. If Bridge mode is ON, it cannot work.

If you would like to restore, please activate (Restore Default Setting).



6.5 Tones Setting

6.5.1 Function

Tones Setting provides Dial Tone, Ring Back Tone, Busy Tone, Congestion Tone and Call Waiting Tone.

6.5.2 Instructions

Tones Settings

You could configure your tones settings in this page.

	Dial Tone	Ring Back Tone	Busy Tone	Congestion Tone	Ring Tone	Call Waitting Tone
Cadence On:		V	V	V		V
Hi-Tone Freq.:	425	425	425	620	425	440
Lo-Tone Freq.:	0	0	0	480	0	350
Hi-Tone Gain:	4522	2261	2261	2261	15360	2261
Lo-Tone Gain:	2261	0	0	0	0	1130
On Time 1:	0	100	25	30	100	30
Off Time 1:	0	400	25	20	400	20
On Time 2:	0	0	0	0	0	30
Off Time 2:	0	0	0	0	0	400
On Time 3:	0	0	0	0	0	0
Off Time 3:	0	0	0	0	0	0

Submit Reset

Dial Tone	Setting the Dial Tone information.			
Cadence On	Default: Disable.			
Hi-Tone Freq	Default: 425; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
Lo-Tone Freq	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
Hi-Tone Gain	Default: 4522; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
Lo-Tone Gain	Default: 2261; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
On Time 1	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
Off Time 1	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum			
	length: 5 bytes.			
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum			



	length: 5 bytes.		
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
	length: 5 bytes.		
Ring Back Tone	Setting the Ring Back Tone information.		
Cadence On	Default: Enable.		
	Default: 425; Only numerals are acceptable. Data range: (0~99999). Maximum		
Hi-Tone Freq	length: 5 bytes.		
	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
Lo-Tone Freq	length: 5 bytes.		
	Default: 2261; Only numerals are acceptable. Data range: (0~99999). Maximum		
Hi-Tone Gain	length: 5 bytes.		
	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
Lo-Tone Gain	length: 5 bytes.		
On Time 4	Default: 100 Only numerals are acceptable. Data range: (0~99999). Maximum		
On Time 1	length: 5 bytes.		
0% Time 4	Default: 400; Only numerals are acceptable. Data range: (0~99999). Maximum		
Off Time 1	length: 5 bytes.		
On Time 0	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
On Time 2	length: 5 bytes.		
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
Off Time 2	length: 5 bytes.		
	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
On Time 3	length: 5 bytes.		
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
Off Time 3 length: 5 bytes.			
Busy Tone	Setting the Busy Tone information.		
Cadence On	Default: Enable.		
Hi Tono Frog	Default: 425; Only numerals are acceptable. Data range: (0~99999). Maximum		
Hi-Tone Freq	length: 5 bytes.		
La Tana Frag	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
Lo-Tone Freq	length: 5 bytes.		
	Default: 2261; Only numerals are acceptable. Data range: (0~99999). Maximum		
Hi-Tone Gain	length: 5 bytes.		
La Tana Gain	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
Lo-Tone Gain	length: 5 bytes.		
On Time 1	Default: 25; Only numerals are acceptable. Data range: (0~99999). Maximum		
	length: 5 bytes.		
Off Time 1	Default: 25; Only numerals are acceptable. Data range: (0~99999). Maximum		
	length: 5 bytes.		
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		
On Time 2	length: 5 bytes.		
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum		



	length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
Oli Time 3	length: 5 bytes.
Congestion Tone	Setting the Congestion Tone information.
Cadence On	Default: Enable.
Hi Topo Erog	Default: 620; Only numerals are acceptable. Data range: (0~99999). Maximum
Hi-Tone Freq	length: 5 bytes.
Lo-Tone Freq	Default: 480; Only numerals are acceptable. Data range: (0~99999). Maximum
Lo Tolle Treq	length: 5 bytes.
Hi-Tone Gain	Default: 2261; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Lo-Tone Gain	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
On Time 1	Default: 30; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 1	Default: 20; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Ring Tone	Setting the Ring Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 480; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Lo-Tone Freq	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Hi-Tone Gain	Default: 15360 ; Only numerals are acceptable. Data range: (0~99999).
	Maximum length: 5 bytes.
Lo-Tone Gain	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
On Time 1	Default: 100; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 1	Default: 400; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
On Time 2	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum



	length: 5 bytes.
	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
Off Time 2	
	length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Call Waiting Tone	Setting the Call Waiting Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 440; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Lo-Tone Freq	Default: 350; Only numerals are acceptable. Data range: (0~99999). Maximum
Lo-Tone Freq	length: 5 bytes.
Hi-Tone Gain	Default: 2261; Only numerals are acceptable. Data range: (0~99999). Maximum
HI-TONE Gain	length: 5 bytes.
La Tana Cain	Default: 1130; Only numerals are acceptable. Data range: (0~99999). Maximum
Lo-Tone Gain	length: 5 bytes.
	Default: 30; Only numerals are acceptable. Data range: (0~99999). Maximum
On Time 1	length: 5 bytes.
	Default: 20; Only numerals are acceptable. Data range: (0~99999). Maximum
Off Time 1	length: 5 bytes.
0 T	Default: 30; Only numerals are acceptable. Data range: (0~99999). Maximum
On Time 2	length: 5 bytes.
Off Time 2	Default: 400; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
On Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Off Time 3	Default: 0; Only numerals are acceptable. Data range: (0~99999). Maximum
	length: 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.
	oloui the change.



6.5.3 Operating Instruction

Step 1: On the main page, select [System→Tone] and enter [Tone] page. After revising the information, click [Submit].

Tones Settings

You could configure your tones settings in this page.

	Dial Tone	Ring Back Tone	Busy Tone	Congestion Tone	Ring Tone	Call Waitting Tone
Cadence On:			V			
Hi-Tone Freq.:	425	425	425	620	425	440
Lo-Tone Freq.:	0	0	0	480	0	350
Hi-Tone Gain:	4522	2261	2261	2261	15360	2261
Lo-Tone Gain:	2261	0	0	0	0	1130
On Time 1:	0	100	25	30	100	30
Off Time 1:	0	400	25	20	400	20
On Time 2:	0	0	0	0	0	30
Off Time 2:	0	0	0	0	0	400
On Time 3:	0	0	0	0	0	0
Off Time 3:	0	0	0	0	0	0
Off Time 3: 0 0 0 0 0 0						

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: Making call to another equipment will change the frequency of Ring Back Tone.

6.6 Advanced Setting

6.6.1 Functions

Advanced Setting provides ICMP not Echo, Send Anonymous CID, Billing Signal CPC Delay, CPC Duration, Send Flash event, and SIP Encrypt PPPoE retry period System Log Server functions.



6.6.2 Instructions

Advanced Setting (VoIP only)

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	⊖Yes ⊙No
ICMP Not Echo:	⊖Yes ⊙No
Send Anonymous CID:	Disabled 🗸
Management from WAN:	⊙Yes ○No
Stop feature tone:	○Yes O Yes O No (MMI, forward, block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 💌
Encryption Type:	Disabled 💌
Encryption Key:	•••••
PPPoE retry period:	5 Seconds
System Log Server:	172.16.0.100
System Log Type:	All

Submit Reset

ICMP Not Echo	Default: No. When setting to YES, ICMP Not Echo function will be active.
Send Anonymous	Default: No. When setting to YES, sending out CID cannot be found by another
CID	person. Your Registered Proxy server must support this function.
Send Flash event	Default: Disable. Provides Disable, DTMF Event and SIP Info modes.
	Default: 5 (Seconds); setting how long it takes for PPPoE retry when PPPoE
PPPoE retry period	fails. Only numberals are accepted; data range: (5~255); maximum length: 3
	bytes.
	Display the system Log Server information and send System Log to the Server.
System Log Server	Can be IP Address or Domain Name Address. Format: xxx.xxx.xxx;
	maximum length: 63 bytes.
	Default: None. Provides None, Call Statistics, General Debug, Call Statistics +
System Log Type	General Debug, SIP Debug, Call Statistics + SIP Debug, General Debug + SIP
	Debug and All modes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.6.3 Operating Instructions

Example 1: Sending Anonymous CID

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After starting it, click





[Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	⊖Yes ⊙No
ICMP Not Echo:	⊖Yes ⊙No
Send Anonymous CID:	Disabled 💌
Management from WAN:	⊙Yes ○No
Stop feature tone:	○Yes No (MMI, forward, block)
IP Dialing format:	Type 1 (xx@x.x.x.x) 💌
Send Flash event:	Disabled 💌
Encryption Type:	Disabled 🗸
Encryption Key:	•••••
PPPoE retry period:	5 Seconds
System Log Server:	172.16.0.100
System Log Type:	All
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting and making call to another equipment, dialing out CID cannot be found. Please check [Ethereal] Packet and column [From: "Anonymous" <sip: <u>anonymous@anonymous.invalid</u>>]

🛛 (Untitled) - Ethereal
Eile Edit View Go Capture Analyze Statistics Help
Eitter Sip - Expression Clear Apply
No. Time Source Destination Totoco Info 20 AU / MAX / XA / XA / XA / XA / XA / XA / X
Content-Type: application/sdp User-Appnt: MMx (610050) Content-Length: 383 ≅ Message body ≅ Sesfon pescription Protocol
Corps Corps <t< td=""></t<>



Example 2: Sending Flash Event

Send Flash Event: DTMF Event

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After revising the information, (e.g., Send Flash event: DTMF Event), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	◯Yes ⊙No
ICMP Not Echo:	⊖Yes ⊙No
Send Anonymous CID:	Disabled
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ④ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	DTMF EVENT
Encryption Type:	Disabled
Encryption Key:	•••••
PPPoE retry period:	5 Seconds
System Log Server:	172.16.0.100
System Log Type:	All

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Submit Reset



Step 4: After rebooting and making call to another equipment, please press [Flash] which will change to SIP Info, and then check [Ethereal] and column [Event ID: Flash].

🛿 (Untitled) - Ethereal
Eile Edit View Go Capture Analyze Statistics Help
≝≝≝≝≦⊨⊳,×⇔,≙,≤,⇒≈7,2:≡,€,0,0,0,1°,≝⊠5,×100
Eiter. dp
No. Time Source Destination rotoco Info
18112 2085.485200 192.168.1.2 192.168.1.14 RTP Payload type=ITU-T G.711 PCMU, SSRC=2635398756, Seq=1393, T1 18183 2085.490947 192.168.1.14 192.108.1.2 RTP EV Payload type=atP Event, Flash
18114 2085.491059 192.168.1.14 192.168.1.2 RTP EV Payload type=RTP Event, Flash
18115 2085.491164 192.168.1.14 192.168.1.2 RTP EV Payload type=RTP Event, Flash 18116 2085.491264 192.168.1.14 192.168.1.2 RTP EV Payload type=RTP Event, Flash (end)
18117 2083.491204 192.108.1.14 192.108.1.2 RTP EV Payload type=RTP EVent, Flash (end)
18118 2085.491468 192.168.1.14 192.168.1.2 RTP EV Payload type=RTP Event, Flash (end)
18119 2085.505220 192.168.1.2 192.168.1.14 RTP Pavload tvpe=ITU-T G.711 PCMU, SSRC=2635398756, Seq=1394, T1
■ User Datagram Protocol, Src Port: 60000 (60000), Dst Port: 60000 (60000) Source port: 60000 (60000)
Source port: 60000 (60000)
Length: 24
Checksum: 0x4e80 [correct] Real-Time Transport Protoco]
B Real-Time Transport Protocol B [Stream setup by SPP (frame 16902)]
[Stream stop by Shr (hane 10922)] [Stream stop by Shr (hane 10922)]
[Setup Method: SDP]
10 = Version: RFC 1889 Version (2)
0000 = Contributing source identifiers count: 0
0 = Marker: False
Payload type: telephone-event (101) Seguence number: 1373
Timestamp: 92300
Synchronization source identifier: 2161891793
RFC 2833 RTP Event Event IO: Flash (16)
0 = End of Event: False
.0 = Reserved: False
00 1010 = Volume: 10
Event Duration: 0
2000 00 16 78 00 28 07 00 01 a8 02 89 9b 08 00 45 a0x, CE. D010 00 2C 0C 68 00 00 3d 11 ed 58 c0 a8 01 0e c0 a8b=X
0020 01 02 ea 60 ea 60 00 18 4e 80 80 65 05 5d 00 01
0030 68 a0 80 db d9 d1 1 00 00 00 00 00 h
Event ID (rtpevent_event_id), 1 bi P: 18367 D: 3090 M: 0 Drops: 0

Sending Flash Event: SIP Info

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After changing Send Flash event, (e.g., Send Flash event: SIP Info), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	⊖Yes ⊙No
ICMP Not Echo:	○Yes ④No
Send Anonymous CID:	Disabled 👻
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	SIP INFO 🗸
Encryption Type:	Disabled 💌
Encryption Key:	•••••
PPPoE retry period:	5 Seconds
System Log Server:	172.16.0.100
System Log Type:	All

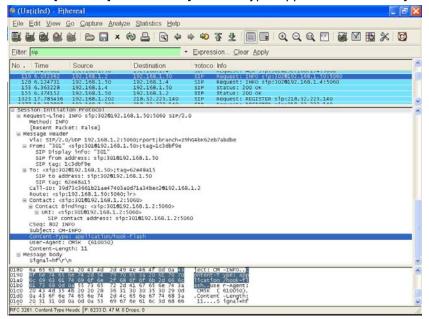
Submit

Reset



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting and making call to another equipment, please press [Flash], which will change to SIP Info, and then check [Ethereal] and column [Content-Type: application/hool-flash].





Example 4: PPPoE retry period

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After revising PPPoE Retry Period, (e.g., PPPoE Retry Period: 20), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	○Yes ④No
ICMP Not Echo:	○Yes ④No
Send Anonymous CID:	Disabled 🗸
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes O Yes O No (MMI, forward, block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 🗸
Encryption Type:	Disabled
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	172.16.0.100
System Log Type:	All
	Submit Reset

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: Every other 20 seconds, the system will retry.



Example 5: System Log (Please start TFTP or System Log Server first)

System Log Type: Call Statistics

- Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After setting System Log,
 - (e.g., System Log Server: 192.168.1.6, System Log Type: Call Statistics), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	○Yes ④No
ICMP Not Echo:	○Yes ④No
Send Anonymous CID:	Disabled 🗸
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ④ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 🗸
Encryption Type:	Disabled 🗸
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: On [TFTP Server] -- [Syslog server] page, new messages are received.

h Tfrpd32 by Ph. Jounin		🔲 B 🔀
Current Directory D.\Test_Tooh\TFTP032 v284	-	growce
Savai intellace 132,1681.6	•	Show Dr
Thp Server Thp Clenit DHCP server Systog server SNTP server		
111 112 1		
About Seting:		Heb

System Log Type: General Debug

Step 1: On the main page, select [System \rightarrow Advanced] and enter [Advanced] page.

After setting System Log, (e.g., System Log Server: 192.168.1.6, System Log Type: General Debug), click [Submit].

Advanced Setting

You could change advanced setting in this page.

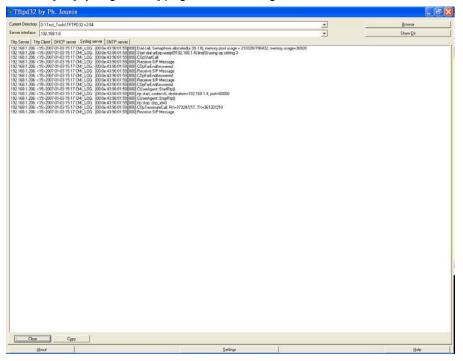
Auto Answer Call:	○Yes ⊙No
ICMP Not Echo:	⊖Yes ⊙No
Send Anonymous CID:	Disabled
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ④ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 👻
Encryption Type:	Disabled 🗸
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	General Debug
	Submit Reset



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: On [TFTP Server] -- [Syslog server] page, new messages are received.





System Log Type: Call Statistics + General Debug

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: Call Statistics + General Debug), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	◯Yes ⊙No
ICMP Not Echo:	⊖Yes ⊙No
Send Anonymous CID:	Disabled
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ④ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled
Encryption Type:	Disabled
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics+General Debug

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Submit Reset



	by Ph. Jounin		
	D-\Teit_Tooli/\TFTPD32 v2.84	-	growce
ei interface	192.168.1.6	-	Show Dr
Server Titp	Clent DHCP server Systog server SNTP server		
2.168.1.206 < 2.168.1.206 < 2.168.1.206 < 2.168.1.206 < 2.168.1.206 < 2.168.1.206 < 2.168.1.206 <	 55:007 0101 110 LL [10] 2006 12001 19000 [2000 [31:604/0008/02114:10410] [armory polyage 1010/2002], annoy you go 2017 [31:000] [31:604/0000] [31:604/0009] [31:604/00000] [31:604/0000] [31:604/0000] [31:604/0000] [31:604/0000]	ge+3500	

Step 4: On [TFTP Server] -- [Syslog server] page, new messages are received.

System Log Type: SIP Debug

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: SIP Debug), click [Submit].

Advanced Setting

You could change advanced setting in this page.

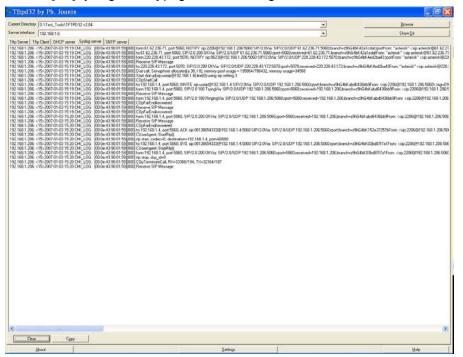
Auto Answer Call:	○ Yes
ICMP Not Echo:	○ Yes ⊙ No
Send Anonymous CID:	Disabled 💌
Management from WAN:	⊙ Yes ○ No
Stop feature tone:	○ Yes
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 🗸
Encryption Type:	Disabled 🗸
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	SIP Debug
	Submit Reset



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: On [TFTP Server] -- [Syslog server] page, new messages are received.





System Log Type: Call Statistics + SIP Debug

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: Call Statistics + SIP Debug), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	◯Yes ⊙No
ICMP Not Echo:	○Yes ⊙No
Send Anonymous CID:	Disabled 🗸
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ⊙ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 🗸
Encryption Type:	Disabled
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics+SIP Debug
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step4: On [TFTP Server] -- [Syslog server] page, new messages are received.

Tftpd32 by Ph. Jounin		
Lutent Directory D.\Test_Tools\TFTPD32 v2.84		(provide
orver interface 192.168.1.6	•	Show Dr
Itp Server Titp Client DHCP server Syslog server SNTP server		
 11.111.111.111.111.111.111.111.111.111	181 Jaho 200 Info Unit SP/2000 F1 18 25 / 2000 F1 18 Z JA / 2000 F1 28 F2 JA / 2000 F1 28 F1 3 / 2000 F1 28 / 2000 F1 28 F1 3 / 2000 F1 28 / 2000 F1 28 F1 3 / 2000 F1 28 / 2000	7-8From: Cap. 2206;9192:108:1:208:1208:03.03.04. 2005;93From: "atomical": Cap. Justical (2015):2015;120 2005;93From: Cap. 2209(212):181:120 2005;957;97rom: Cap. 2206;9192:108:1.206:1 2005;957;97rom: Cap. 2206;9192:108:1.206:1 2005;957;97rom: Cap. 2206;9192:108:1.206:1 2005;97;97;97;97;97;97;97;97;97;97;97;97;97;
Clear Corv		
About Se	etings	Heb

System Log Type: General Debug + SIP Debug

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: General Debug + SIP Debug), click [Submit].

Advanced Setting

You could change advanced setting in this page.

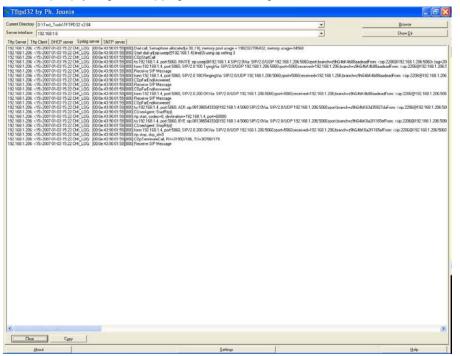
Auto Answer Call:	○Yes ⊙No
ICMP Not Echo:	○Yes ⊙No
Send Anonymous CID:	Disabled
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ④ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled
Encryption Type:	Disabled 💌
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	General Debug+SIP Debug

Submit Reset



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: On [TFTP Server] -- [Syslog server] page, new messages are received.





System Log Type: All

Step 1: On the main page, select [System→Advanced] and enter [Advanced] page. After setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: All), click [Submit].

Advanced Setting

You could change advanced setting in this page.

Auto Answer Call:	○Yes ⊙No
ICMP Not Echo:	⊖Yes ⊙No
Send Anonymous CID:	Disabled
Management from WAN:	⊙Yes ○No
Stop feature tone:	○ Yes ④ No (MMI,forward,block)
IP Dialing format:	Type 1 (xx@x.x.x.x)
Send Flash event:	Disabled 🗸
Encryption Type:	Disabled
Encryption Key:	•••••
PPPoE retry period:	20 Seconds
System Log Server:	192.168.1.6
System Log Type:	All
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Step 4: On [TFTP Server] -- [Syslog server] page, new messages are received.

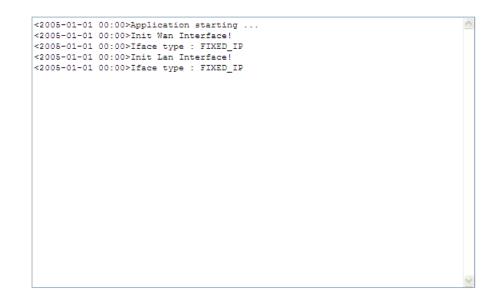
Obschurg Dirter_indexi17FD22-024 m m Burning 100 Test 10	Tftpd32	by Ph. Jounin		
Same 1 The Cale 1 (bit 2 second secon	ner# Directory	D-\Test_Tools\TFTPD32 v2.84		Erowce
(a) 126 (1) 207 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 20 (1) 10 (1)	er interlace	192.168.1.6	·	Show Dr
		113:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 113:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 113:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 113:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 113:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 113:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 114:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 114:2027 09 115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 114:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characterized (3.11 R) memory portuger 1 115:2027 0115 21 CH 1026 2006 413 010 59000 Characte	00% 51972 01/07 120 1681 206 5000/port.tearch-r286 0K-r8520 P 122 1683 2005 5000 port-5000 port-set-122 1681 206 branch-r286 0P 132 1681 206 5000 port-5000 port-set-122 1681 206 branch-r286 22 1681 208 5000 port-5000 port-set-132 1681 206 branch-r286 0000 51972 0No 51972 01/0P 132 1681 206 5000 port branch-r286 0000 51972 0No 51972 01/0P 132 1681 206 5000 port branch-r286 0000 51972 0No 51972 01/0P 132 1681 206 5000 port branch-r286	446.4690259999 var. cip.220699192 108 1.2 G466.450020999 var. cip.22069192 108 1.2 Kos5025999 var. cip.22069192 168 1.208 BKalf1501-a41 var. cip.22069192 168 1.208 BKalf1501-a41 var. cip.22069192 168 1.208
About Settings Heb				11-t-

6.7 Log

6.7.1 Function

Show log in this web.

Status Log





6.8 Auto Answer (for FXO)

6.8.1 Function

Auto Answer provides auto answer and switches to FXO.

6.8.2 Instructions

Auto Answer		
You could enable/disabl	e the auto answer in this page.	
Auto Answer:	⊙ Off ◯ IP IN ◯ FXO IN ◯ Both ◯ Trunk Gateway	
Auto Answer Counter:	3 (0~8)	
PIN Code Enabled:	⊙Off On	
PIN Code:		
	Submit Reset	

Auto Answer	Default OFF. When setting to IP IN, the IP IN's auto answer will come into run.		
Auto Answer Counter	Default 3 rd Ring; when ringing after 3 times, auto answer will run. Counter zone (0~8). Maximum length is 2 bytes.		
Pin Code Enabled	Default OFF. When setting to ON, the right password is needed, and please press "#" after the password.		
Pin Code	The password. Maximum length is 31 bytes.		
Submit [Button]	Submit the change.		
Reset [Button]	Clear the change.		

6.8.3 Operate Instruction

Example 1: Start the Auto Answer Function

Step 1: On the main page, select [System→Auto Answer] and enter [Auto Answer] page. After revising information (e.g., Auto Answer: IP IN, Auto Answer Counter: 1), click [Submit].

Auto Answer

You could enable/disable the auto answer in this page.			
Auto Answer:	○ Off		
Auto Answer Counter:	1 (0~8)		
PIN Code Enabled:	⊙ Off ○ On		
PIN Code:			
	Submit Reset		



- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When an incoming call comes through FXO or FXO port, please wait for a while till the 2nd Dial Tone is heard, then please dial FXO port phone number.

Example 2: Start Auto Answer+ PIN Code Function

Step 1: On the main page, select [System→Auto Answer] and enter [Auto Answer] page. After revising information (e.g., Auto Answer: IP IN, Auto Answer Counter: 1, Pin Code Enabled: on, Pin Code: 123456), press [Submit].

Auto Answer

You could enable/disable the auto answer in this page.				
Auto Answer:	○ Off ⊙ IP IN ○ FXO IN ○ Both ○ Trunk Gateway			
Auto Answer Counter:	1 (0~8)			
PIN Code Enabled:	○ Off ⊙ On			
PIN Code:	•••••			
	Submit Reset			

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: When dialing in through FXO or FXO port, please wait for a while till the dialing tone is heard, then input the Pin Code (e.g., 123456) ending with "#" and wait till the 2nd dialing tone is heard. Then input FXO port phone number.

6.9 Dial Plan Settings

6.9.1 Function

Dial Plan provides Dial Now, Auto Dial Time, Use # as send Key, and Use * for IP dialing function.



6.9.2 Instructions

Dial Plan

You could the set the dial plan in this page.

Routing to :	O IP O FXO
Routing rule :	
Drop prefix :	○Yes ⊙No
Replace rule 1:	+
Drop prefix :	OYes ⊙No
Replace rule 2:	+
Drop prefix :	OYes ⊙No
Replace rule 3:	+
Drop prefix :	○Yes ⊙No
Replace rule 4:	+
Dial now:	
	Exp: 1[137]XX+345XX+45XX67
Realm 1 prefix:	1*
Realm 2 prefix:	2*
Realm 3 prefix:	3*
PSTN feature code:	0*
Auto Dial Time:	5 (3~9 sec)
Use # as send key:	⊙ Yes ○ No
Auto PSTN backup:	○Yes ⊙No

Submit Reset

Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting to YES, and encountering the accordant rule, a new number will replace the dialing number.		
Replace rule 1	Providing the setting number information. 7-digit number is preferred, from (0~9999999) Can be numerals or characters. Maximum length is 8 bytes.		
+	Provides the rules for encode and decode. Maximum length is 31 digit number; can be numberals or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9, e.g., 123+456+334+5xx, means 123 or 456 or 334 or 5xx (any number that begins with 5)		
Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number		



	will be added in front of the dialing number. When setting to YES, and		
	encountering the accordant rule, a new number will replace the dialing number.		
	Provides the rules for encode and decode. Maximum length is 31-digit number		
+	can be numerals or signs (+, x). (+) means "Or"; (x) means any number that is		
	from 0~9. Maximum length is 40 bytes.		
Poplace rule 2	Providing the setting number information. 7-digit number is preferred, from		
Replace rule 2 (0~9999999). Maximum length is 8 bytes.			
	Provides the rules for encode and decode. Maximum length is 31-digit number		
+	can be numerals or signs (+, x). (+) means "Or"; (x) means any number that is		
	from 0~9.		
D D (Default: No (Encode). When encountering the accordant rule, a new number		
Drop Prefix	will be added in front of the dialing number. When setting to YES, and		
	encountering the accordant rule, a new number will replace the dialing number.		
Replace rule 3	Providing the setting number information. 7-digit number is preferred, from		
	(0~9999999). Maximum length is 8 bytes.Provides the rules for encode and decode. Maximum length is 31-digit number		
+	can be numerals or signs $(+, x)$. $(+)$ means "Or"; (x) means any number that is		
·	from $0~9$. Maximum length is 40 bytes.		
	Default: No (Encode). When encountering the accordant rule, a new numbe		
Drop Prefix	will be added in front of the dialing number. When setting to YES, and		
•	encountering the accordant rule, a new number will replace the dialing number.		
Replace rule 4	Providing the setting number information. 7-digit number is preferred, from		
Replace fule 4	(0~9999999). Maximum length is 8 bytes.		
	Provides the rules for encode and decode. Maximum length is 31-digit number		
+	can be numerals or signs (+, x). (+) means "Or"; (x) means any number that is		
	from 0~9. Maximum length is 40 bytes.		
	Provides the rules for encode and decode. Maximum length is 31 digits number		
	But the first digit cannot be "0". Because 0 cannot judge the rule		
Dial Now	So if Dial Now begins with "0", the system cannot work.		
Dial NOW			
	can be numerals or signs (+, x). (+) means "Or"; (x) means any number that is from 0~9.		
	Default: 5 seconds. After waiting for a while, but didn't input any number, Auto		
Auto Dial Time	Dial will run automatically. Time zone: (3~9 sec). Maximum length is 3 bytes.		
	Default: YES. It ends with # when executing this action. When setting to NO, i		
Lioo # for cond key	didn't end with # when executing this action, but according to Auto Dial Time		
Use # for send key	after waiting for a while, and didn't input any information, then execute this		
	action.		
	Default: YES. When inputting "*", it will be used as ".". For example, when		
Use * for IP dialing	inputting 192*168*1*100#, it will execute"192.168.1.100#". When setting to		
	NO, while dialing, inputting (*) doesn't mean (.).		
Submit [Button]	Submit the change.		
Reset [Button]	Clear the change.		



6.9.3 Operating Instructions

Example 1: Dial Plan Function

Step 1: On the main page, select [System→Dial Plan] and enter [Dial Plan] page. After revising information (e.g., Drop prefixNo, Replace rule1 002, 8613+8662; Drop prefixYes, Replace rule2 006, 002+003+004+005+007+009; Drop prefixNo, Replace rule3 009, 12; Drop prefixNo, Replace rule4 007, 5xxx+35xx+21xx; Dial Now*xx+#xx+11x +xxxxxxx), press [Submit].

Dial Plan

You could the set the dial plan in this page

Routing to :	○ IP ○ FXO
Routing rule :	
Drop prefix :	O Yes ⊙ No
Replace rule 1:	002 + 8613+8662
Drop prefix :	⊙ Yes O No
Replace rule 2:	006 + 002+003+004+005+007+009
Drop prefix :	OYes ⊙No
Replace rule 3:	009 + 12
Drop prefix :	○Yes ⊙No
Replace rule 4:	007 + 5xxx+35xx+21xx
	Exp: 1[137]XX+345XX+45XX67
	Exp. [[151]///T340///T40//01
Realm 1 prefix:	1*
Realm 2 prefix:	2*
Realm 3 prefix:	3*
PSTN feature code:	: 0*
PSTN leature code.	
PSTN leature code.	
	5 (3~9 sec)
Auto Dial Time: Use # as send key:	()

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



Instruction 1: Drop prefixNo, Replace rule 1 002, 8613+8662.

- Application 1: When dialing 8613, all numbers that begin with 8613 will be added with 002, so actually the dialing number is [002+8613+xxx].
- Application 2: When dialing 8662, all numbers that begin with 8662 will be added with 002, so actually the dialing number is [002+8662+xxx].
- Instruction 2: Drop prefixYes, Replace rule 2 006, 002+003+004+005+007+009.
 - Application 1: When inputting 002, all numbers that begin with 002 will be replaced by 006; so actually the dialing number is [006+xxx]
 - Application 2: When inputting 003, all numbers that begin with 003 will be replaced by 006; so actually the dialing number is [006+xxx].

Instruction 3: Drop prefixNo, Replace rule 3 009, 12.

Application 1: When inputting 12, all numbers that begin with 12 will be added with 009; so actually the dialing number is [009+12+xxx].

Instruction 4: Drop prefixNo, Replace rule 4 007, 5xxx+35xx+21xx.

- Application 1: When inputting 5xxx, all 4-digit numbers that begin with 5 will be added with 007; so actually the dialing number is [007+5xxx].
- Application 2: When inputting 534, all 3-digit numbers that begin with 5 doesn't match the encode rule; so actually the dial out number is [534]
- Application 3: When inputting 35xxx, all 5-digit numbers that begin with 35 will be added with 007; so actually the dialing number is [007+5xxx].
- Application 4: When dialing 358822, it begins with 35, but there are 4 digits after 35, so it doesn't match the encode rule, so actually the dial out number is [358822]

Instruction 5: Dial Now*xx+#xx+11x+xxxxxxx.

- Application 1: Any information that meets the condition"*xx" will be sent out immediately, like *00, *01, *02... *99. If inputting "*0#", send out number is "*0#"
- Application 2: Any information that meets the condition" #xx" will be sent out immediately, like #00, #01, #02...#99.
- Application 3: Any information that meets the condition"11x" will be sent out immediately, like 110, 111, 112 ... 119. If dial number is"118", the send out number is 118.
- Application 4: If inputting 8-digit number, the system will send out the number immediately. For example, 12345678.



Chapter 7. Phone Book

It provides Phone Book and Speed Dial function.

7.1 Phone Book

7.1.1 Functions

Phone Book can provide 140 entries. Let's say, Party A calls Party B. If Party B's name is in the phone book, then Party B's name will be shown on the phone. If not, party B's phone number will be seen.

7.1.2 Instructions

Phone Book

You could add/delete items in current phone book.			
Phone Boo	ok Page: page	1 💌	
Phone	Name	Number or URL	Select
0	1	23	
1	2	14	
2	3	58	
3	4	63	
4	5	89	
5	123	123	
6			
7			
8			
٥			
Delete \$	Selected	Delete All Reset	
Add New P	hone		
Position:	(0-	-139)	
Name:			
Number or URL:			
Add Pho	Reset		

Phone Book Page	Default: Page 1. Select the page, from Page1~Page14.		
Phone	Shows the serial number. 140 entries in total, from Phone 0~139		
Name	Shows the User's name.		
Number or URL	Shows the URL information.		
Select	Select this entry.		



Delete Selected [Button]	Delete selected information.		
Delete All [Button]	Delete all information.		
Reset [Button]	Reset selected information.		
Add New Phone	Add new phone book information.		
Position	Input serial number, from (0~139). Maximum length is 3 bytes.		
Name	Input serial number; can be digits or names. Maximum length is 31 bytes. Suggest you pick digits, which can be used as speed dialing numbers.		
Number or URL	Input Line Number or IP information. Maximum length is 63 bytes.		
Add Phone [Button]	Add this new entry.		
Reset [Button]	Delete selected information.		

7.1.3 Operating Instructions

Step 1: On the main page, select [Phone Book→Phone Book] and enter [Phone Book] page. Revise the information (Phone: 0, Name: 301, Number or URL: <u>301@192.168.1.2</u>) and then press the key [Add Phone].

Phone Book

You could add/delete items in current phone book.

Phone Book	Page: page	1 💌	
Phone	Name	Number or URL	Select
0			
1			
2			
3			
4			
5			
6			
8			
9			
Delete Se	elected	Delete All Reset	
Add New Ph	one		
Position:	0 (0	~139)	
Name:	301		
Number or URL:	192.168.1.2		
Add Phone	Reset		

Step 2: After adding the new information (see the table shown below), if no information is added, please



save change.

Phone Book

You could add/delete items in current phone book.

Phone Book Page: page 1 💌

Phone	Name	Number or URL	Select
0	301	192.168.1.2	
1			
2			
3			
4			
5			
6			
8			
9			

Delete Selected Delete All Reset

Add New Ph	one		
Position:		(0~139)	
Name:			
Number or URL:			

Add Phone Reset



Step 3: On the main page, press the save button on upper right corner to make the change effective. The [Note Information] page will be seen, meaning it has been saved successfully. And the system will reboot. Please wait for a while.

Phone Book

You could add/delete items in current phone book.				
Phone Book Page: page 1 💌				
Phone	Name	Number or URL	Select	
0	301	192.168.1.2		
1	206	17476433364		
2	202	192.168.1.202:5062		
3				
4				
5				
6				
7				
8				
9				
Delete S	Delete Selected Delete All Reset			

Instruction 1: Name: 301, Number or URL: 301@192.168.1.2.

- Application 1: The user picks up the phone, inputs [301], which, in [Name] column is [192.168.1.2] that rings
- Instruction 2: Name: 206, Number or URL: 17476433364.
 - Application 1: The user picks up the phone, inputs [206], which, in [Name] column is [17476433364] that rings.

Instruction 3: Name: 202, Number or URL: 192.168.1.202:5062.

- Application 1: The user picks up the phone, inputs [202], which, in [Name] column is [192.168.1.2:5062] that IP: 192.168.1.2 and port 5062 ring.
- Application 2: The user picks up the phone, inputs [0227458080], but no information is found in [Name] column, so the requirement will be sent directly.

7.1.4 Speed Dial (for Phone)

7.1.4.1 Function

Speed Dial Phone List can provide 10 entries in total and must be used with Function Key.



7.1.4.2 Instruction

Speed Dial Setting (VoIP Phone Only)

Speed Dial Phone List

You could set the speed dial phones in this page.

Phone	Name	Number or URL	Select
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			

Delete Selected	Delete All	Reset
001010 00100100	Deletera	

Add New Phone		
Position:	(0~9)	
Name:		
Number or URL:		

Add Phone Reset

Phone	Show the serial number. 10 entries in total.		
Name	Show the user's name.		
Number or URL	Show the URL information.		
Select	Select the information.		
Delete Selected [Button]	Delete all selected information.		
Delete All [Button]	Delete all information.		
Reset [Button]	Reset selected information.		
Add New Phone	Add new speed dial phone book information.		
Position	Input serial number, from (0~9). Maximum length is 1 bytes.		
Name	Input the code, numbers or names; maximum length is 31 bytes.		
Number or URL	Input Line Number or IP information; maximum length is 63 bytes.		
Add Phone [Button]	Add this new entry.		
Reset [Button]	Reset selected information.		



7.1.4.3 Operating Instructions

Step 1: On the main page, select [Phone Book→Speed Dial] and enter [Speed Dial Phone List] page. After revising the information (Phone: 0, Name: test, Number or URL: 22068), press [Add Phone].

Speed Dial Phone List

You could se	et the speed dial	phones in this page.	
Phone	Name	Number or URL	Select
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
Delete S dd New Pl	hone	Delete All Reset	
Position:	0 (0~9	9)	
lame:	test		
lumber or JRL:	22068		
Add Phon	Reset		



Step 2: After adding all the new information, please save change.

Speed Dial Phone List

You could set the speed dial phones in this page.

Phone	Name	Number or URL	Select
0	test	22068	
1			
2			
3			
4			
5			
6			
7			
8			
9			

Delete Selected Delete All Reset

Add New Pho	one
Position:	(0~9)
Name:	
Number or URL:	

Add Phone Reset

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Step 3: On the main page, press the save button on upper right corner to make the change effective. The [Note Information] page will be seen, meaning it has been saved successfully. And the system will reboot. Please wait for a while.

Speed Dial Phone List

Phone	Name	Number or URL	Selec
0	test	22068	
1	080	23458	
2	Fae	098395	
3			
4			
5			
6			
7			
8			
9			
Delete	Selected	Delete All Reset	

Position:	(0~9)
Name:	
Number or URL:	
UKL.	

Add Phone Reset



Chapter 8. Features Setting

It provides CallFwd, Volume, Rngtone, DND, Flash Time, CallWaiting, SoftKey, Hotline and Alarm.

8.1 Forward Setting

8.1.1 Function

Provides forward function.

8.1.2 Instruction

Forward Setting (VoIP Gateway/Phone Only)

Forward Setting

You could set the forward number of your phone in this page.

All Forward:	⊙ Off	OP	O PSTN
Busy Forward:	⊙ Off	OP	
No Answer Forward:	⊙ Off	OP	O PSTN

	Name	Number or URL
All Fwd No.:		
Busy Fwd No.:		
No Answer Fwd No.:		
No Answer Fwd Time Out:	5 (2~8 Ring)	

Submit	Reset

All Forward	Default: Off. When setting to On, all incoming calls will be forwarded, in support of IP mode.	
Busy Forward	Default: Off. When setting to On, and the line is busy, it will run to support IP mode.	
No Answer Forward	Default: Off. When setting to On and there is nobody answering the phone, it will run to support IP mode.	
All Fwd No.	All incoming calls will be forwarded.	
Name	Show or Input the name.	
Number or URL	Show or input the dialing information which can be Login Account, IP Address or PSTN Numbers; maximum length is 63 bytes.	
Busy Fwd No.	Forward the call when line is busy.	
Name	Show or set the name.	
Number or URL	Show or input the dialing information which can be Login Account, IP Address or PSTN Numbers; maximum length is 63 bytes.	
No Answer Fwd No.	Forward the call when nobody answers the phone.	
Name	Show or set the name.	
Number or URL	Show or input the dialing information which can be Login Account, IP Address or PSTN Numbers; maximum length is 63 bytes.	



No Answer Fwd Time Out	Default: 5(Ring); when ringing 5 times but no one answers, it is regarded as no one answering the call. Data Range: (2~8 Ring). Maximum length is 2 bytes.
Submit [Button]	Save change.
Reset [Button]	Delete selected information.

8.1.3 Instructions

Forward Setting (VoIP Gateway/Phone + FXO Only)

Forward Setting

You could set the forward number of your phone in this page.				
All Forward:	⊙ Off	OP	O PSTN	
Busy Forward:	⊙ Off		OPSIN	
	-	-	~	
No Answer Forward:	⊙ Off	OP	O PSTN	
		Name		Number or URL
All Fwd No.:				
Busy Fwd No.:				
Busy Fwd No.:	5	(2~8 Ring)	
Busy Fwd No.: No Answer Fwd No.:	5	(2~8 Ring) []] []	

Submit Reset

All Forward	Default: Off. When setting to ON, all the incoming calls will be forwarded in IP mode or PSTN mode. If the incoming call goes through FXO, the call could only be forwarded to IP mode.
Busy Forward	Default: Off. When setting to On, and the line is busy, the call will be forwarded only in IP mode.
No Answer Forward	Default: Off. When setting to On, and nobody answers the phone, it will run in IP mode or PSTN mode. If the incoming call goes through FXO, the call could only be forwarded to IP mode.
All Fwd No.	All incoming calls will be forwarded.
Name	Show or input the name.
Number or URL	Show or input the dialing information which can be Login Account, IP Address or PSTN Numbers; maximum length is 63 bytes.
Busy Fwd No.	Forward the call when line is busy.
Name	Show or set the name.
Number or URL	Show or input the dialing information which can be Login Account, IP Address or PSTN Numbers; maximum length is 63 bytes.
No Answer Fwd No.	Forward the call when nobody answers the phone.
Name	Show or set the name.
Number or URL	Show or input the dialing information which can be Login Account, IP Address



	or PSTN Numbers; maximum length is 63 bytes.
No Answer Fwd Time Out	Default: 5(Ring), when ringing 5 times but no one answers, it is regarded as no one answering the call. Data Range: (2~8 Ring). Maximum length is 2 bytes.
Submit [Button]	Save change.
Reset [Button]	Delete selected information.

8.1.4 Operating Instructions

Example 1: Forwarded under any condition

Step 1: On the main page, select [Features→CallFwd] and enter [CallFwd] page. After revising all the information (All Forward: pstn, All fwd No Name: angel, Number or URL: 22067), press [Submit].

Forward Setting

You could set the forward number of your phone in this page.							
All Forward:	Off	OP	⊙ PST	ΓN .			
Busy Forward:	⊙ Off	OP					
No Answer Forward:	⊙ Off	OIP	O PST	EN .			
		Name			Number	or URL	
All Fwd No.:	angel]	22067			
Busy Fwd No.:]				
Busy Fwd No.: No Answer Fwd No.:]]				
]				
	5	(2~8 Ring]]				
No Answer Fwd No.:	5	(2~8 Ring]]				

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When receiving a new incoming call, it will be forwarded to code [Register Number: 22067] automatically.



Example 2: Busy Forward or No Answer Forward

Step 1: On the main page, select [Features→CallFwd], enter [CallFwd] page. After revising all the information (Busy Forward: IP, No Answer Forward: IP, Busy fwd No Name: Mobil, Number or URL: 0912345678, No Answer Fwd No Name: ext, Number or URL, click [Submit].

Forward Setting

You could set the forward number of your phone in this page.						
All England	•••	0	0			
All Forward:	⊙ Off	OP	O PST	TN		
Busy Forward:	O 0ff	⊙ IP				
No Answer Forward:	OOff	⊙ IP	O PST	"N		
		Name			Number or UR	L
All Fwd No.:]			
Busy Fwd No.:	Mobil]	0912345678		
No Answer Fwd No.:	ext]	22068		
No Answer Fwd Time Out:	5 ((2~8 Ring)			
	Submit	Rese	t			

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When the line is busy, it will forward to Mobile [0912345678], and [0912345678] rings.
- Step 5: When it rings 3 times, and nobody answers the phone, it will forward to [Register Number: 22068], and Register Account: 22068 rings.



Example 3: All incoming calls will be forwarded to IP

Step 1: On the main page, select [Features→CallFwd] and enter [CallFwd] page. After revising all the information (All Forward: IP, All fwd No Name: angel, Number or URL: 22067), click [Submit].

Forward Setting

You could set the forward number of your phone in this page.						
All Forward:	Ooff	⊙ IP	O PST	ΓN		
Busy Forward:	⊙ Off	O₽				
No Answer Forward:	⊙ Off	O₽	O PST	EN .		
		Name			Number or UF	λL.
All Fwd No.:	angel			22067		
Busy Fwd No.:			1			1
No Answer Fwd No.:]]
No Answer Fwd No.:]]
No Answer Fwd No.: No Answer Fwd Time Out:	5 (2~8 Ring)]

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When receiving a new call, it will forward to Register Number: 22067, automatically, and Register Account: 22067 rings.



Example 4: Busy forward to IP

Step 1: On the main page, select [Features→CallFwd] and enter [CallFwd] page. After revising all the information (Busy Forward: IP, No Answer Forward: IP, Busy fwd No Name: Mobil, Number or URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068), click [Submit].

Forward Setting

You could set the forward nu	imber of y	our phon	e in this	page.		
All Forward:	⊙ Off	OP	O PST	īN		
Busy Forward:	Ooff	-	0.0			
No Answer Forward:	OOff	⊙ IP	O PST	"N		
		Name			Number or UR	L
All Fwd No.:]			
Busy Fwd No.:	Mobil]	0912345678		
No Answer Fwd No.:	ext]	22068		
No Answer Fwd Time Out:	5	(2~8 Ring)			
	Submit	Rese	-			

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When the line is busy, it will forward to [0912345678], and Mobile [0912345678] rings.
- Step 5: When it rings 3 time, and nobody answers the phone, it will forward to [Register Number: 22068], and Register Account: 22068 rings.



Example 5: All incoming calls will be forwarded to PSTN

Step 1: On the main page, select [Features→CallFwd] and enter [CallFwd] page. After revising all the information (All Forward: PSTN, All fwd No Name: angel, Number or URL: 0912345678), click [Submit].

Forward Setting

You could set the forward number of your phone in this page.							
All Forward:	0.04	0.5	⊙ PST				
Busy Forward:	O Off ⊙ Off		0 PS1	N			
No Answer Forward:	⊙ Off	-	O PST	N			
	0.011	<u> </u>	0.01				
		Name			Number	or URL	
All Fwd No.:	angel			0912345678			
Busy Fwd No.:]				
]				
Busy Fwd No.:]				
Busy Fwd No.:		(2~8 Ring]]])				

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When receiving a new call, it will run by PSTN Port automatically, and call Mobile [0912345678]

8.2 Volume Setting

8.2.1 Function

Volume setting controls the volume of the mic, speaker and FXO.



8.2.2 Instructions

Volume Setting (VoIP Gateway Only)

Volume Setting

			-			
You could	set the	volume	of your	phone	in	this page

Handset Volume: 8 (0~14) Speaker Volume: 9 (0~14) Ringer Volume: 6 (0~10)	
Ringer Volume: 6 (0~10)	
PSTN-Out Volume: 10 (0~14)	
Handset Gain: 1 (0~14)	
Speaker Gain: 6 (0~14)	
PSTN-In Gain: 8 (0~14)	

Submit Reset

Handset Volume	Default 8. Control the volume of the Handset from 0 to 14. Maximum length is 2 bytes.
Speaker Volume	Default 9. Control the volume of the speaker from 0 to 14. Maximum length is 2 bytes.
Ringer Volume	Default 6.Control the volume of the ringer from 0 to 10. Maximum length is 2 bytes.
PSTN-Out Volume	Default 10.Control the volume of PSTN-Out from 0 to 14. Maximum length is 2 bytes.
Handset Gain	Default 1. Control the handset gain from 0 to 14. Maximum length is 2 bytes.
Speaker Gain	Default 6.Control the speaker gain from 0 to 14. Maximum length is 2 bytes.
PSTN-In Gain	Default 8.Control the PSTN-In gain from 0 to 14. Maximum length is 2 bytes.
Submit [Button]	Save the change.
Reset [Button]	Clear the change.



8.2.3 Operating Instructions

Step 1: On the main page, select [Features→Volume] and enter [Volume] page. After revising all information (e.g. Handset Volume: 9, PSTN-Out Volume: 12, Handset Gain: 9, PSTN-In Gain: 13), click [Submit].

Volume Setting

You could set the volum	e of your phone in this page.
Handset Volume:	9 (0~14)
Speaker Volume:	9 (0~14)
Ringer Volume:	6 (0~10)
PSTN-Out Volume:	12 (0~14)
Handset Gain:	9 (0~14)
Speaker Gain:	6 (0~14)
PSTN-In Gain:	13 (0~14)
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

8.3 Ringer Setting

8.3.1 Function

Ringer setting provides user with a selection of ringer tones.

8.3.2 Instructions

Ringer Settings

You could set you	r favorite ringer in this page.
Ringer:	◯ On ④ Off
Ringer Type:	ringer 1 💌
	Submit Reset

Ringer Setting	Default: Off means it is a default ringer tone. There are four ringer tones to
Kinger Setting	choose from.



8.3.3 Operating Instructions

Step 1: On the main page, select [Features→Rngtone] and enter [Rngtone] page. After revising all information (e.g., Ringer: On and Ring Type: ringer 4), click [Submit].

Ringer Settings

You could set your favorite ringer in this page.			
Ringer:	⊙ On ◯ Off		
Ringer Type:	ringer 4 💌		
	Submit Reset		

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: The VIP-8030NT now has a new ringer tone.

8.4 DND Setting

8.4.1 Function

DND Setting denies all incoming calls or all incoming calls in a certain time period.

8.4.2 Instructions

DND Setting

You could set the do not disturb period of your phone in this page.					
DND Always:	OOn	⊙ Off			
DND Period:	OOn	⊙ Off			
From:	00	:00	(hh:mm)		
To:	00	:00	(hh:mm)		

Submit	Reset
--------	-------

DND Always	Default: OFF. When setting to ON, all incoming calls will be denied.
DNS Period	Default: OFF. When setting to ON, all incoming calls will be denied in pre-setting time period.
From	Default: 00:00 (hh:mm), please input the time point that begins the command.



	(24h in total, hh:mm). Maximum length is 2 bytes.
То	Default: 00:00(hh:mm), please input the time point that ends the command. (24h in total, hh:mm). Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.4.3 Operating Instructions

Example 1: Start the function that denies all incoming calls in a certain time period.

Step 1: On the main page, select [Features→DND] and enter [DND] page. After revising all information (e.g., DND period: on, from 18:00 to 23:00), press [Submit].

DND Setting

You could set the do not disturb period of your phone in this page.	

DND Always:	○ On ⊙ Off
DND Period:	⊙ On ○ Off
From:	18 :00 (hh:mm)
To:	23 :00 (hh:mm)



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When receiving a new call during DND time period, the "busy tone" will be heard.

Example 2: The function that denieds all incoming calls

Step 1: On the main page, select [Features→DND] and enter the [DND] page. After revising information (DND Always: on), click [Submit].

DND Setting

You could set the do not disturb period of your phone in this page.			
DND Always:	⊙ On ◯ Off		
DND Period:	On ⊙ Of		
From:	18 ;00 (hh:mm)		
To:	23 :00 (hh:mm)		
	Submit Reset		

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.



Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.

Step 4: When receiving a new call, the "busy tone" will be heard.

8.5 Flash Time Setting

8.5.1 Function

Flash Time Setting means transferring a call or hanging up the phone.

8.5.2 Instructions

Flash Time Setting

You could set the flash time	in this page.	
Generate Flash Signal:	10 x 10 ms (9~120)	
	Submit Reset	

Generate Flash Signal	Default 10. Flash signal that is <(less than) 100ms will be regarded as transfer; flash signal that is > (more than) 100ms will be regarded as On-Hook. From (9~120), Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.5.3 Operating Instructions

Step 1: On the main page, select [Features→Flash Timing] and enter the [Flash Timing] page. After revising information (e.g., Generate Flash Signal: 70), click [Submit].

Flash Time Setting

You could set the flash time in this page.		
Generate Flash Signal:	70 x 10 ms (9~120)	
	Submit Reset	

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.



8.6 Call Waiting Setting

8.6.1 Function

Call Waiting Setting provides call waiting function.

8.6.2 Instructions

Call Waiting Setting You could enable/disable the call waiting setting in this page. Call Waiting: On Off Submit Reset Default: ON. When setting to OFF, call waiting function

Call Waiting	Default: ON. When setting to OFF, call waiting function will be off.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.6.3 Operating Instructions

Example 1: Close call waiting function

Step 1: On the main page, select [Features→ CallWaiting] and enter the [CallWaiting] page. After revising information (e.g., Call Waiting: off), click [Submit].



Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Submit Reset

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When there is a new incoming call during calling, the busy tone will be heard.



Example 2: Start the call waiting function

Step 1: On the main page, select [Features→ CallWaiting] and enter the [CallWaiting] page. After revising information (e.g., Call Waiting: off), click [Submit].

Call Waiting Setting You could enable/disable the call waiting setting in this page. Call Waiting: On Off Submit Reset

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: While Party A is talking with Party B, Party C calls Party A; so Party A will hear the reminding tone. If Party A would like to answer Party C's call, Party A needs to press the key [Hold] or [Flash] (Party B's call is now on hold.). If Party A would like to talk with Party B again, Party A needs to press the key [Hold] or [Flash]. Party C's call is now on hold.

8.7 SoftKey Setting (for Phone)

8.7.1 Function

SoftKey Setting provides pick-up key and voice mail key for the phone. The phone and SIP proxy server are required to have those functions.

8.7.2 Instructions

Pick Up Key

Soft-Key Setting (VoIP Phone Only)

Soft-key Setting

You could configure th	ne soft-key setting in this page.
Pick up key:	
Voice mail key:	
	Submit Reset
Input the r 15 bytes.	ame of the pick up key; can be numerals or signs. Maximum length is



	Input the name of the voice mail key; can be numerals or signs. Maximum length is 15 bytes.
Voice Mail Key	The phone is required to have the related keys.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.7.3 Operating Instructions

Step 1: On the main page, select [Features→SoftKey] and enter the [SoftKey] page. After revising information (e.g., Pick Up Key: *95, Voice Mail Key: *98), click [Submit].

Soft-key Setting

You could configure the soft-key setting in this page.		
Pick up key:	*95	
Voice mail key:	*97	
	Submit Reset	

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: When listening to the voice mail, please press [Voice Mail]. When picking up the phone, please press [Pick UP].

8.8 Hotline Setting

8.8.1 Function

Hotline Setting allows dialing a pre-set number automatically.



8.8.2 Instructions

Hotline Setting

Hot line Setting		
You could set the hot line in this page.		
Use hot line:	O Enable 💿 Disable	
Hot line Number:		
	Submit Reset	
Default	Fuching William and the second shares and	

Hotline Use	Default: Enable. When setting to Enable, the pre-set phone number that the user wants to call will dial automatically.
	Input hotline number; can be Phone Numbers. Maximum length is 63 bytes. For example, Phone Number: 0800024365.
Hotline Number	This function is only for PSTN.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.8.3 Operating Instructions

Example 1: Register Account or Input Hotline Number.

Step 1: On the main page, select [Features→Hotline] and enter the [Hotline] page. After revising information (e.g., User Hotline: Enable, Hotline number: 22062), click [Submit].

Hot line Setting

You could set the hot line in this page.	
Use hot line:	⊙ Enable 🔘 Disable
Hot line Number:	22062
	Submit Reset

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting the system, it will dial [22062] automatically when picking up the phone.



Example 2: Dial to another IP Address directly.

Step 1: On the main page, select [Features→Hotline] and enter the [Hotline] page. After revising information (e.g., User Hotline: Enable, Hotline number: 192.168.1.206), click [Submit].

Hot line Setting

You could set the hot line in this page.	
Use hot line:	⊙ Enable ○ Disable
Hot line Number:	192.168.1.206
	Submit Reset

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved

successfully. And please wait for a second while the system reboots.

Step 4: After rebooting the system, it will dial to IP Address [192.168.1.206] automatically.

8.9 Alarm Setting

8.9.1 Function

Alarm Setting provides the alarm function.

8.9.2 Instructions

Alarm Settings

You could set the alarm time in this page.		
Alarm:	○ ON ③ OFF	
Alarm Time:	0 : 0 (hh:mm)	
Current time:	2014-11-27 16:30	
	Submit Reset	

Alarm	Default: OFF. When setting to ON, alarm function will execute. Duration is 1 minute. Stop the alarm by picking up the handset.
Alarm Time	Default: 0:0. (0 hour: 0 Minute). Time format: 24 Hours (hh:mm)
Current Time	Show current time. Format 2014-11-27 16:30



	To show correct time, it needs to connect to internet and fill in the valid DNS server.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

8.9.3 Operating Instruction

Step 1: On the main page, select [Features→Alarm] and enter the [Alarm] page. After revising information (e.g., Alarm: On, Alarm Time: 12:59), click [Submit].

Alarm Settings

You could set the alarm time in this page.		
Alarm:	⊙ ON OFF	
Alarm Time:	12 :59 (hh:mm)	
Current time:	2014-11-27 16:30	
	Submit Reset	

Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.

- Step 3: On the main page, press the "save" button on the upper right corner to make the
 - change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: At 12:59, the alarm will go off, lasting for 1 minute. After 1 minute, the alarm will stop. During ringing, just pick up the phone and the alarm will stop automatically.



Chapter 9. Update

It provides New Firmware, Auto Update, and Default Setting items.

9.1 Firmware

9.1.1 Function

Update Firmware. Use Local PC or TFTP to update. Format: Risc (.gz) & DSP (.ds)

9.1.2 Instructions

Update System

Update System

You could update your system in this page.

Update Type:	ALL ROM
File Location:	Browse
	Update Reset

Method	Default: Local PC
Local PC	Update by Local PC
Code Type	Default: All ROMs (.rom).
	Please input File Location. Can be numerals or characters. Maximum length: 30
File Location	bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.



9.1.3 Operating Instructions

Example 1: Update by Local PC

Step 1: On the main page, select [Update→Firmware] and enter the [Firmware] page. After revising the information (e.g., Code Type: All ROMs), and setting File Location information, click [Browse].

Update System

You could update your system in this page.		
Update Type:	ALL ROM	
File Location:	Browse	
	Update Reset	

Step 2: Enter the following page, select update [rom] file, (e.g., voip.rom) and click [Open].

Choose File to	Upload	? 🛛
Look in:	🞯 Desktop	- 🕜 🕸 📂 🖽 -
My Recent Documents Desktop My Documents	My Documents My Computer My Network Places 420_VPN CVS Lite ONVIF Device Test Tool PPIP FCREENZEXE GCDaemon mgNibBrow-2010i MySnap ONVIF_Test_Tool_v11.12 Scred	utility v1.03PL_B02 flashget196en passwrd pdsswrd setup SCREXESetup SoftonicDownloader_for_screen2exe voip.rom
My Computer	UT-CM5_M256v171053722	
My Network Places	File name: voip	▼ Open
	Files of type: All Files (*.*)	Cancel

Step 3: Back to the page [Update Firmware]. Make sure the update file is on [File Location] and click [Update].

Update System

You could update your system in this page.		
Update Type:	ALL ROM	
File Location:	C:\Documents and Setti	
	Update	



Step 4: When the dialog appears, click [Submit].

М	essage	from webpage
	1	NOTE:DO NOT UN-PLUG the power adapter while updating. It will take about 3 minutes to update firmware. Please wait
		ОК

Step 5: After updating, system will automatically reboot.

Step 6: After rebooting and when it goes back to the main page, press [(F5)] to view the result on this page [System Information].

System Information

This page illustrate the system related information.

Model Name:	VIP-8030NT
Firmware Version:	Tue Nov 18 11:53:13 2014 (1003116)
Codec Version:	Mon Mar 25 15:19:23 2013 (1303250)

9.2 Auto Update

9.2.1 Function

Auto Update Setting provides .gz(RISC) or .ds(DSP) format, the .rom is not available.



9.2.2 Instructions

Auto	U	pd	ate	Se	ttir	ngs
/ (0.00	\sim	РЧ	acc	00	cen	'o'

You could set auto update settings in this page.

Update via:	⊙Off ◯TFTP ◯ FTP (Онттр
TFTP Server:		
TFTP File Path:		Exp. download
HTTP Server:		Exp. 60.35.187.30
HTTP File Path:		Exp. download
FTP Server:		Exp. 60.35.17.1
FTP Username:		
FTP Password:		
FTP File Path:		Exp. file/load
Check new firmware:	O Power ON and Scheduling	 Scheduling only
Scheduling (Date):	14 (1~30 days)	
Scheduling (Time): Scheduling (Time):	AM 00:00- 05:59 ¥ AM 00:00- 05:59 ¥	
Automatic Update:	⊙ Notify only O Automatic	
Firmware File Prefix:	PHONEO	

Next update time:

Submit Reset

Update via	Default: Off. Off, TFTP, FTP or HTTP modes are available.		
	Input TFTP Server Address; can be IP Address or Domain Name, format:		
TFTP Server	xxx.xxx.xxx; maximum length: 63 bytes.		
HTTP Server	Input HTTP Server Address; can be IP Address or Domain Name, format:		
	xxx.xxx.xxx; maximum length: 63 bytes.		
HTTP File Path	Input HTTP File Path; can be numerals or characters; maximum length: 63		
ITTE Faut	bytes. For example, /123/.		
FTP Server	Input FTP Server Address; can be IP Address or Domain Name, format:		
FIF Selvel	xxx.xxx.xxx; maximum length: 63 bytes.		
FTP Username	Input FTP username; can be numerals or characters; maximum length: 63 bytes.		
FTP Password	Input FTP Password; can be numerals or characters; maximum length: 63 bytes.		
CTD Cilo Doth	Input FTP File Path; can be numerals or characters; maximum length: 63 bytes.		
FTP File Path	For example, /123/.		
Check New	Default: Scheduling. Provides Power ON, Scheduling mode.		



Firmware	Power on + Scheduling means as long as the system starts to boot, it will check if there is any update version or not. According to the schedule, if yes, it will not update now, but will update with your permission.						
Ochodulia a (Doto)	According to the date, it will check if there is any update version or not. Default:						
Scheduling (Date)	14 days. Minimum: 1 day. Maximum: 30 days. Only numerals are accepted, length: 2 bytes.						
Schoduling (Time)	Default: AM 00:00 - 05:59; AM 00:00 - 05:59,AM 06:00 - 11:59, AM 12:00 -						
Scheduling (Time)	17:59, AM 18:00 – 23:59 is available.						
	Default: Notify only. Notify only and Automatic are available.						
Automatic Update	- Notify only: the message will be found on LCD, and when the phone is picked						
Automatic Opuale	up, "Do Do Do" will be heard.						
	- Automatic: Update automatically.						
Firmware File Prefix	Default: Product model. Can be numerals or characters; maximum: 8 bytes.						
	Next update time begins with the next day, not today.						
Next Update Time	Formula: the next day + days + time zone + MAC Address + Random = Next						
	update time.						
Submit [Button]	Submit the change.						
Reset [Button]	Clear the change.						

Remarks:

Check new firmware: Power on

1h	As long as the system starts to boot, it will check if there is any
5-0	As long as the system starts to boot, it will check if there is any update version or not. According to the schedule, if yes, it will
ote	not update now, but will update with your permission.

> (Phone)

[Found new s/w] will be found on LCD, please select [Menu] -- [7. Administrator \rightarrow 2. Upgrade System \rightarrow 1. Upgrade Now \rightarrow 1. Yes] and then update.

> (FXS/FXO)

When the phone is picked up, DoDoDo will be heard. Please input"**#190#**" and then hang up the phone, pick up the phone again, and input "**#190#**" to execute update.



It takes 2~3 minutes to update. During this period, dialing function cannot work. It is not the problem of the power supply.

9.2.3 Operating Instructions

Example 1: Auto Update. (Please build Auto Update file.)

Step 1: On the main page, select [Update→ Auto Update] and enter the [Auto Update] page. After setting HTTP Server information and revising the information (e.g., Update via: HTTP, HTTP Server: 61.62.236.70, HTTP File Path: /update/, Check new firmware: Scheduling, Scheduling (Date): 14, Scheduling (Time): AM 00:00-05:59, Automatic Update: Automatic, Firmware File Prefix: TA1S), click



[Submit] and save change.

. .

Auto Upda You could set auto upda	-	
	te settings in this page.	
Update via:	○off ○TFTP ○FTP (Энттр
TFTP Server:		
TFTP File Path:		Exp. download
HTTP Server:	61.61.236.70	Exp. 60.35.187.30
HTTP File Path:	/update/	Exp. download
FTP Server:		Exp. 60.35.17.1
FTP Username:		
FTP Password:		
FTP File Path:		Exp. file/load
Check new firmware:	O Power ON and Scheduling	 Scheduling only
Firmware File Prefix:	TA1S	
Next update time:		
	Submit Reset	

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting and when it goes back to the main page, press [F5] to refresh, select [Update → Auto Update] and enter [Auto Update Settings] to get next update time. E.g.: [Next Update time: 2014-12-03 04:45].
- Step 5: When [Next Update Time] comes, it will connect to HTTP Server to check if there is update or not, if yes, update will be made automatically.



Example 2: Update with permission (Please build Auto Update file first)

Step 1: On the main page, select [Update → Auto Update] and enter the [Auto Update] page. After setting FTP Server information and revising the information (e.g., Update via: FTP, FTP Server: 61.62.236.70, FTP Username: cmi, FTP Password: cmi, FTP File Path: /update/,Check new firmware: Power, Scheduling (Date): 30, Scheduling (Time): AM 00:00-05:59, Automatic Update: Notify only, Firmware File Prefix:TA1S] click [Submit] and save change.

Auto Update Settings

You could set auto update settings in this page.

Update via:	OOff OTFTP ⊙ FTP (OHTTP
TFTP Server:		
TFTP File Path:		Exp. download
HTTP Server:		Exp. 60.35.187.30
HTTP File Path:		Exp. download
FTP Server:	61.61.236.70	Exp. 60.35.17.1
FTP Username:	cmi	
FTP Password:	•••	
FTP File Path:	/update/	Exp. file/load
Check new firmware:	O Power ON and Scheduling	 Scheduling only
Scheduling (Date):	30 (1~30 days)	
Scheduling (Time): Scheduling (Time):	AM 00:00- 05:59 ¥ AM 00:00- 05:59 ¥	
Automatic Update:	⊙ Notify only O Automatic	
Firmware File Prefix:	TA1S	
Next update time:		

- Step 2: After saving the change, a "dialog box" will appear, meaning the change has taken effect.
- Step 3: On the main page, press the "save" button on the upper right corner to make the change effective. When the "dialog box" appears, the change has been saved successfully. And please wait for a second while the system reboots.
- Step 4: After rebooting and when it goes back to the main page, press [F5] to refresh, select [Update → Auto Update], and enter [Auto Update Settings].
- Step 5: When [Next Update Time] comes, it will connect to FTP Server to check if there is update or not; if yes, a message will be sent.



9.2.4 Remarks

> (Phone)

[Found new s/w] will be found on LCD, please select [Menu] -- [7. Administrator→2. Upgrade System→1. Upgrade Now→1. Yes] and then update.

> (FXO)

When the phone is picked up, DoDoDo will be heard. Please input"**#190#**" and then hang up the phone, pick up the phone again, and input "**#190#**" to execute update.



It takes 2~3 min to update. During this period, dialing function cannot work so it is not the problem of the power supply.

9.3 Default Setting

9.3.1 Function

Default Setting restores all changing information (excluding Phone and Speed Dial). After restoring default setting, the system will reboot.

9.3.2 Instructions

Restore Default Settings

You could click the restore button to restore the factory settings.

Restore default settings: Restore

Restore [Button] Restore the factory settings.

9.3.3 Operating Instructions

Step 1: On the main page, select [Update→Default Setting], enter the [Default Setting] page and click [Restore]. The system will reboot.

Restore Default Settings

You could click the restore button to restore the factory settings.

Restore default settings: Restore



Step 2: Enter the dialog box page and please wait for a moment while rebooting.

Note Information



Step 3: After rebooting and when it goes back to the main page, press [(F5)] to refresh.



Chapter 10. Save Change

10.1 Function

After saving changes, the system will reboot.

10.2 Instructions

Save

	Save Changes You have to save changes to effect them. Save Changes: Save
e [Button]	Submit the change.

10.3 Operating Instructions

Step 1: Select [Save] and enter the [Save] page. To execute the command, click [Save].

Save Changes

You have to save changes to effect them.

Save Changes: Save

Step 2: When the "dialog box" appears, the change has been savedsuccessfully. And please wait for a second while the system reboots.

Note Information

This page inform user important information.

Configure OK. System will reboot automaitcally to effect those changes and please wait for a moment while rebooting....

Step 3: After rebooting, please press [(F5)] to continue other settings.



Chapter 11. Reboot System

11.1 Function

Press the reboot button to restart the system.

11.2 Instructions

Reboot System

You could press the reboot button to restart the system.

Reboot system: Reboot

Execute.

Reboot [Button]

11.3 Operating Instructions

Step 1: On the main page, select [Reboot], enter [Reboot] page, and then click [Reboot].

Reboot System

You could press the reboot button to restart the system.

Reboot system: Reboot

Step 2: Enter the [dialog box] page, please wait for a moment while rebooting, and please don't move the power supply.

Note Information

This page inform user important information.

Configure OK.

Please wait for a moment while rebooting ...

Step 3: After rebooting and when it goes back to the main page, press [(F5)] to refresh.



Chapter 12. Phone Transfer Rule

12.1 IP mode Transfer Rule

12.1.1 Blind Transfer

A and B are talking. If A wants to transfer the call to C, A should press [Hold] to hold B's call, and then press [Transfer/Flash], input C's number, and end with "#". The call is now transferred to C.

12.1.2 Attendant Transfer

A and B are talking. If A wants to transfer the call to C, A should press [Transfer/Flash], and input C's number, end with "#", and then C's phone rings. If A hangs up the phone, B can talk with C.



Chapter 13. Gateway/TA Transfer Rule

13.1 IP mode Transfer Rule

13.1.1 Blind Transfer

A and B are talking. If A wants to transfer the call to C, A should press [Hold] to hold B's call, and then press #510# and C's number, and end with "#" to transfer the call to C.

13.1.2 Attendant Transfer

A and B are talking. If A wants to transfer the call to C, A should press [Hold] to hold B's call, and then press #511# and input C's number, and end with "#"; then C's phone rings. If A hangs up the phone, B can talk with C.

13.1.3 3-way calling

A and B are talking. If A wants C to join the conversation, A should hold B's call and then press #512# and C's number, and end with "#"; then C's phone rings. If A wants to talk with C, A should press "flash" to have the 3-way call (A, B and C can now talk together.).

13.1.4 Call Waiting

While A and B are talking, C calls A. A can hear the inset tone; A could press [Hold] to hold B, and talk with C.



Chapter 14. Appendix

1. Ethereal has been renamed to wireshark. Please visit the link below to download this software. <u>https://www.wireshark.org/download.html</u>

2. After install WireShark complete, open the WireShark, and press the "**Interface List (1)**". Select your "**Ethernet Card**" and press the "**Start**" to capture the packet.

Wireshark: Capture Interfaces							13
Description	IP	Packets	Packets/s		Stop		858
🔚 Adapter for generic dialup and VPN capture	unknown	0	0	Start	Options	Details	
😥 ADMtek AN983/AN985/ADM951X NDIS5 Driver (Microsoft's Packet	Scheduler) 192.168.0.12	26	12	Start	Options	Details	
🔎 Marvell Gigabit Ethernet Controller (Microsoft's Packet Scheduler)	10.1.1.190	62	4	Start	Options	Details	
Help					С	lose	
Lapture					Fue		
					1		
Interface List Live list of the captore interfaces (counts incoming packets)	📄 Ореп о орел а ра		aptored file	1	1.14		
Interface List Live list of the captore interfaces (counts incoming packets)			aptored file		1		
Interface List Live list of the captore interfaces (counts incoming packets) Start capture on interface:	Open a pr Open Recent: CADocuments e	evioosly o nd Set	桌面(IIM)		nd ICF-16	01 best H 26	i4 ok.cap [not found]
Interface List Live list of the costore interfaces (counts incoming packets) Start capture on interface: Adapter for generic dialup and VPN capture ADMtek AN983/AN985/ADM951X NDISS Driver (Micr	Open a pr Open Recent: CADocuments a CADocuments o	evicosly o nd Set nd Set .	桌面(UM) 図Q\Temp	MMG2	nd ICF-16 000(V3,63	01 test H 26)) with ICF-	1601 test cap [not for
Interface List Live list of the captore interfaces (counts incoming packets) that capture on interface:	Open Recent: C Documents e C Documents e C Documents e C Documents s	evicesly c nd Set nd Set nd Set	桌面(UM) 図図\Temp s'evany/s	NUMG2 《面VUM	nd ICF-16 000(V 3,63 02000 wit	01 test H 26) with ICF- h ICF-1601	1601 test.cap [not fou test.cap [not found]
Interface List Live list of the costore interfaces (counts incoming packets) Start capture on interface: Adapter for generic dialup and VPN capture ADMtek AN983/AN985/ADM951X NDISS Driver (Micr	Open a pro Open Recent: C \Documents a C \Documents a C \Documents a C \Documents a	evicesly o nd Set nd Set nd Set nd Settin	桌面(UM) 図図\Temp s'evany/s	NUMG2 《面VUM	nd ICF-16 000(V 3,63 02000 wit	01 test H 26) with ICF- h ICF-1601	1601 test cap [not for

You can filter the SIP packet from this packet we can check detail information about this issue.

Eile	<u>E</u> 0	dit <u>V</u> iew j	<u>G</u> 0	<u>Capture</u> <u>An</u>	alyze <u>s</u>	<u>B</u> tatistics	<u>H</u> elp														
<u></u>	ē)	🕷 🖻		x ¢ş		a 4	• •	Ś	<u>ک</u>	F		*	€,	Q	0,	•		*	
ilte	er: s	ip								pression	<u>C</u> lea	ır <u>A</u> p	oply								
10.	•	Time		Source		Dest	ination		Pro	tocol Ir	fo										
	153	26.3796	84	192.168.0.	30	192	.168.0.	75	SI	P R	equest	:: R	EGIST	ER ST	p:19	92.16	8.0.7	75			
	154	26.3810	36	192.168.0.	75	192	.168.0.	30	SI	P S	tatus	: 40	4 Not	four	nd	(0)	bind	ings)			
	158	26.3837	55	192.168.0.	30	192	.168.0.	89	SI	P R	equest	: R	EGIST	ER S	ip:19	92.16	8.0.8	89			
	159	26.3865	92	192.168.0.	89	192	.168.0.	30	SI	P S	tatus	: 10	0 Try	ing	(1	. bin	dings	s)			
	160	26.3873	30	192.168.0.	89	192	.168.0.	30	SI	P S	tatus	40	1 Unai	uthor	ized	1	(0 b	inding	s)		
	161	26.3955	57	192.168.0.	30	192	.168.0.	89	SI	P R	equest	: R	EGIST	ER S	ip:19	2.16	8.0.8	89			
	162	26.3978	08	192.168.0.	89	192	.168.0.	30	SI	P S	tatus	: 10	0 Try	ing	(1	. bin	dings	s)			
	163	26.4122	09	192.168.0.	89	192	.168.0.	30	SI				ю ок								
	236	34.8776	26	192.168.0.	89	192	.168.0.	30	SI									.0.30:	5061		
	-	10004	75 .	192.168.0.	20	100	.168.0.	00	SI	n	tatus	. 20	O OK						Charles the second		