

Uniden®

VP300

Conference Phone System

Installation and PSTN (Analogue) Line Setup

For more exciting new products please visit our website:

Australia: www.uniden.com.au

New Zealand: www.uniden.co.nz

OWNER'S MANUAL

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- **This unit is NOT waterproof!** DO NOT expose this unit to moisture.
- DO NOT expose this unit to rain.
- Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.
- Use only the power cord indicated in this manual.

SAVE THESE INSTRUCTIONS!

Important Notice:

- Under power failure conditions this appliance may not operate. Please ensure that a separate telephone, not dependent on local power, is available for emergency use.

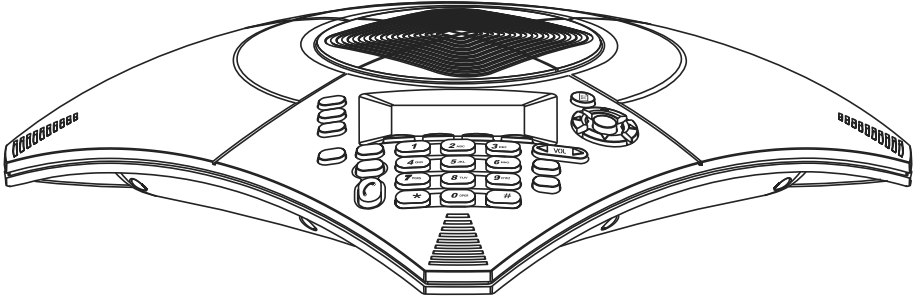
General Notices for New Zealand Model:

- The grant of a NZ Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.
- For telephone networks other than Telecom there may be a charge incurred for local calls if the Insert 0 feature is on. Turn Insert 0 off.
- This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

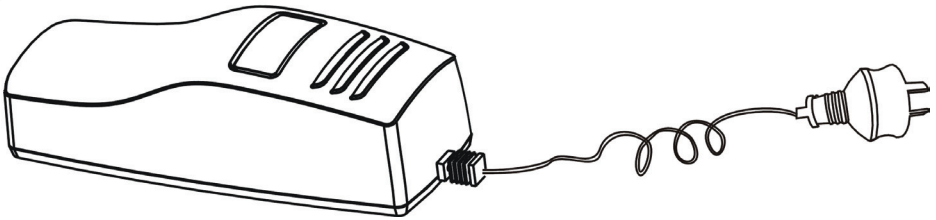
CONTENTS

WHAT'S IN THE BOX?	4
INSTALLING YOUR PHONE	5
GETTING TO KNOW YOUR PHONE	7
Parts of the Phone	7
Keypad	8
USING YOUR PHONE	9
USING THE MENU	11
Phonebook	12
Call History	13
Phone Setting	14
PSTN Flash	17
ONE-YEAR LIMITED WARRANTY	18

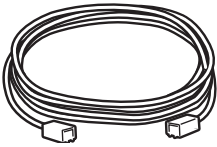
WHAT'S IN THE BOX?



VP300 Conference Phone System



AC Adaptor/Interface Module

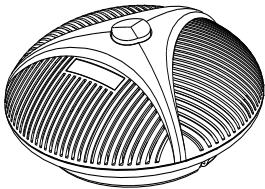


RJ 45 Cable X 2



**RJ 11 Cable
(Telephone Line Cord)**

OPTIONAL ACCESSORIES



Extra Microphone (up to 2)

- If any items are missing or damaged, contact your place of purchase immediately. **Never use damaged products!**
- Need help? Get answers at our website:
www.uniden.com.au for Australian model
www.uniden.co.nz for New Zealand model.

INSTALLING YOUR PHONE

For best performance of the VP300, avoid the following locations when selecting an installation location:


- Areas with high background noise. The microphone(s) might pick up these sounds and prevent the speakerphone from going into receiving mode when you finish talking.
- Surfaces affected by vibration.
- Recessed areas such as in a corner, under a cupboard, or next to a cabinet. These locations may cause an echo effect.

CAUTION:

To reduce risk of personal injury, fire, or damage, use only the power adaptor supplied with this product.

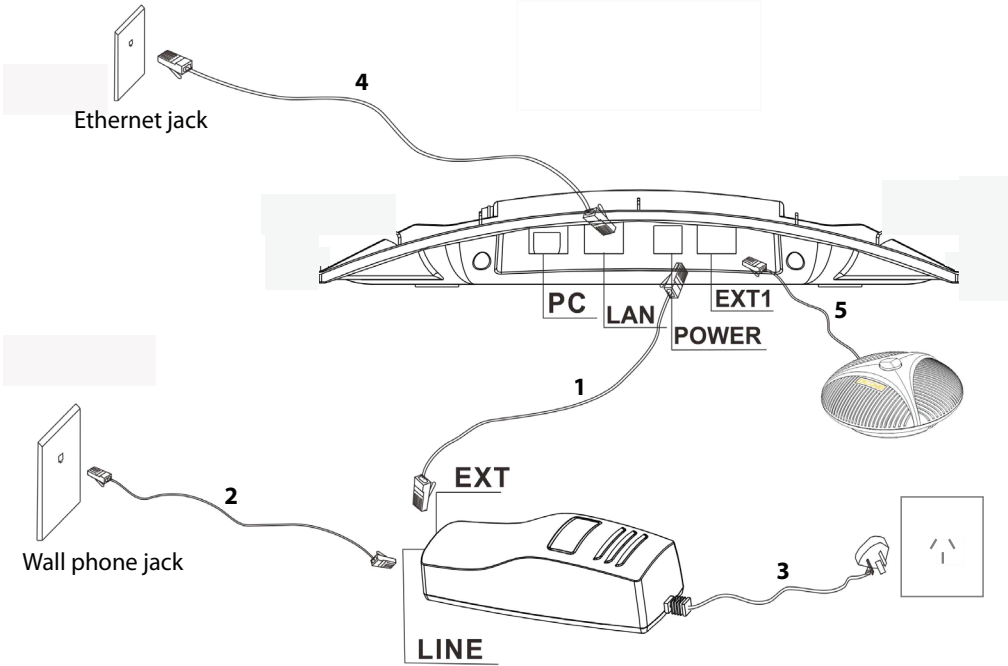
1. Plug one end of an RJ45 (Ethernet) cable into the EXT jack of the AC adaptor/ Interface module. Plug the other end into the POWER jack on the port bay of the VP300.
See (1) on the connection diagram, page 6.
2. Plug the Telephone Line cord into the LINE jack on the AC adaptor/ Interface module. Plug the other end into a telephone wall jack.
See (2) on the connection diagram.
3. Plug the AC adaptor/Interface power cord into a standard 240V AC power outlet. The VP300 display will show 'SYSTEM BOOTING...' and then the standby display. See (3) on the connection diagram.
4. For VoIP calls, and PC Web-Browser control of VP300 settings: Plug one end of the second RJ45 (Ethernet) cable into the LAN jack of the VP300. Plug the other end to an Ethernet jack for network/internet access.
See (4) on the connection diagram.
5. Plug the **optional** extra microphones into the EXT1 and EXT2 jacks of the VP300. See (5) & (6) on the connection diagram.

NOTE:

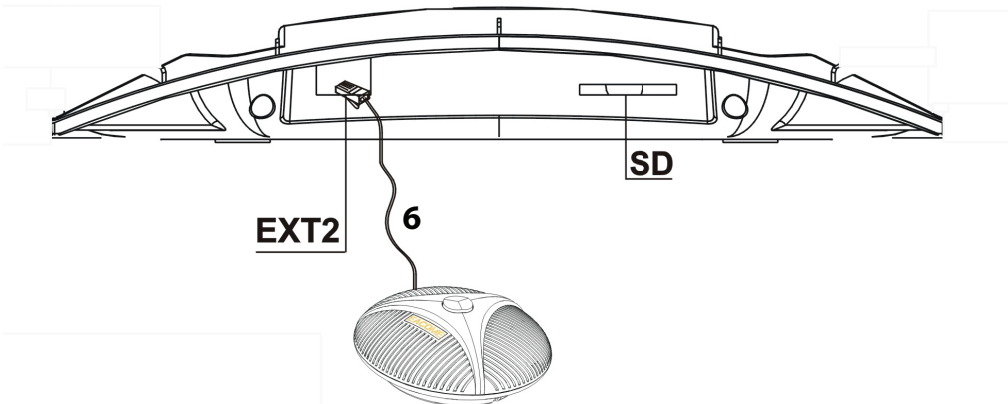
- The VP300 is properly installed for PSTN (land line) use if you press  and hear a dial tone - the display will show 'PSTN Dialing'. Otherwise, recheck all the installation steps.
- In the event of a power outage, the VP300 will not be able to make and receive calls.

INSTALLING YOUR PHONE

Connection Diagram



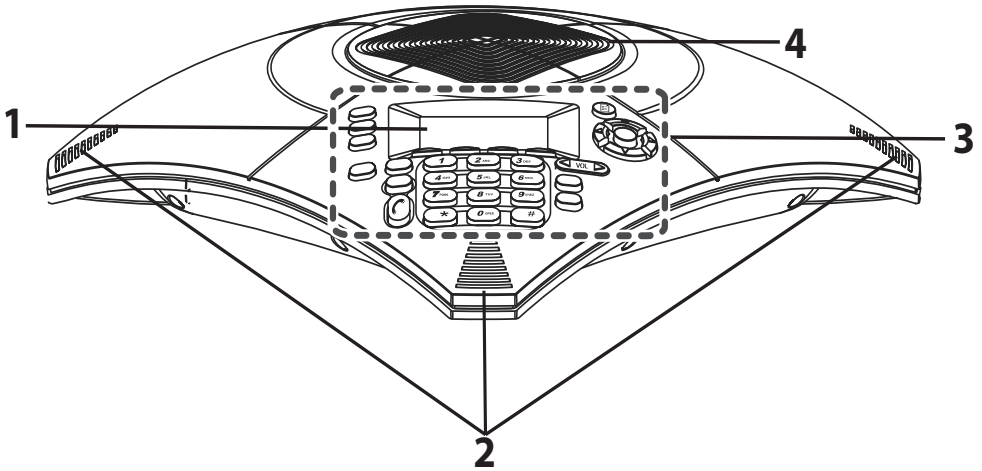
1. RJ45 Cable
2. Telephone Line Cord
3. Power Cord
4. RJ45 Cable
5. Extra Microphone 1 (Optional)



6. Extra Microphone 2 (Optional)

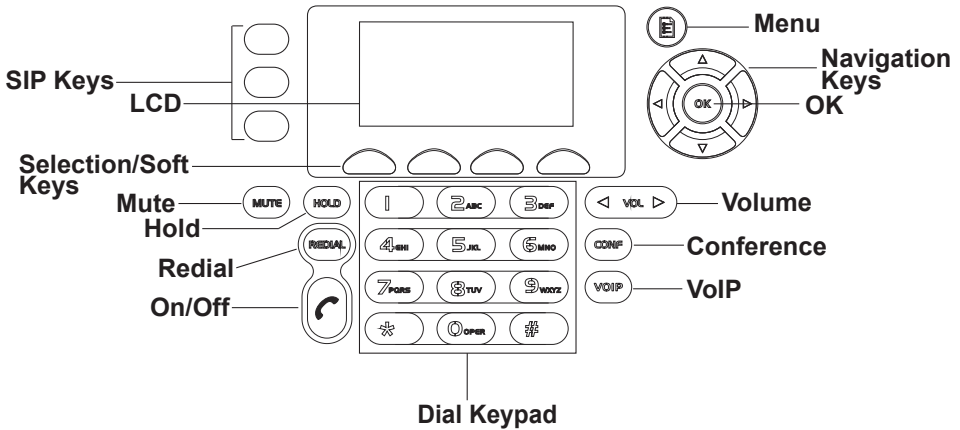
GETTING TO KNOW YOUR PHONE

Parts of the Phone



1. LCD
2. Microphone
3. Keypad
4. Speaker

Keypad



Keys	What it does
	Navigation Keys - Helps you navigate through various options. OK - Select a particular setting.
	VOLUME - Helps you decrease/increase the speaker/ringer volume.
	MUTE - Mute the microphone.
	REDIAL - Dial the last dialed number.
	HOLD - Places the call on hold.
	CONFERENCE - Hold a 3-way conference; two more participants can join the call.
	VoIP - Use this button to make a VoIP call.
	Selection/Soft Keys - Helps you select the options that are displayed on the LCD.
	MENU - Displays all the available settings and options.
	ON/OFF - Use this button to make a PSTN call. Use this button to answer or end PSTN & VoIP calls.
	SIP Keys - For VoIP function (see VoIP manual)

USING YOUR PHONE


To setup the VP300 for VoIP calls, you will need to use PC and web browser, refer to the VP300 VoIP Owner's Manual on the Uniden website. (Australia: www.uniden.com.au, New Zealand: www.uniden.co.nz)

Dial a Call

You can make a call either through VoIP or PSTN line.

PSTN Line


To make a call through the PSTN line:

Press  and dial the phone number.

The LCD displays 'PSTN Dialing'.


VoIP Line

To make a call through the VoIP line:

1. Press  and dial the phone number.

The LCD displays 'IP Dialing'.

Answer a Call

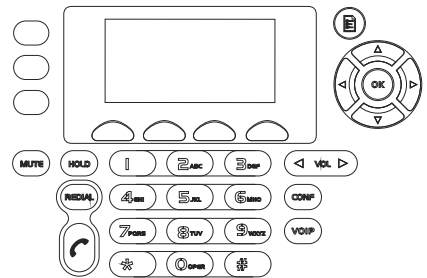
To answer an incoming PSTN call, press .

The LCD displays 'PSTN in use'.

Receive Another Call

When you are on call, and another call comes in you will hear a call waiting tone.

Flashing red LEDs indicate an incoming call.



Mute a Call

By muting a call, you can hear the other party but they cannot hear you.

To mute/unmute a call, press . The LCD displays the letter 'M'.

Red LEDs indicate that a call is muted.

Hold a Call

When you place a call on hold, both the parties involved in the call cannot hear each other.

To place a call on hold, press . The LCD displays 'HOLD'.


Press  again to resume the call.

Flashing blue LEDs indicate that a call is put on hold.

Redial a Call

Press  to dial out the last dialed number.

End a Call

To end a call, press .

Conference Call

✗ **To make a conference call, you need to ensure that you are connected to VoIP and PSTN line.**

To setup the VP300 for VoIP calls, you will need to use PC and web browser, refer to the VP300 VoIP Owner's Manual on the Uniden website.

To activate a three-way conference call, follow the steps below:

1. Press **VOIP**, the LCD will display 'IP Dialing', dial a phone number.
2. Wait for the call to be answered, then press **HOLD**. The LCD will display, 'PSTN Dialing', dial a phone number.
3. After the call is answered, press **CONF** to enter a 3-way conference mode.

Selection/Soft Keys

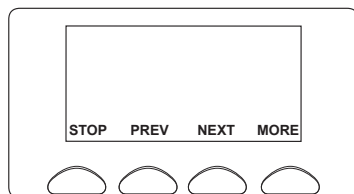
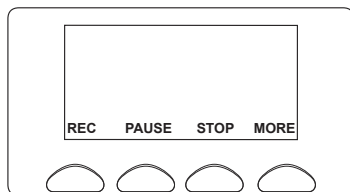
The selection/soft keys enable you to select the options displayed on the LCD. Press the MORE soft key to see the additional soft keys.

Record a Conversation

You can record a conversation using the VP300 phone conference system.

✗ **This feature requires and options SD card.**

- ◇ Press the **MORE** soft key to show the **REC** soft key option. Press the **REC** soft key to record a conversation.
- ◇ Press the **STOP** soft key to stop recording.
- ◇ Press the **PAUSE** soft key to pause recording and press **REC** to continue recording.
- ◇ Press the **NEXT** or **PREV** soft key to play the recording.

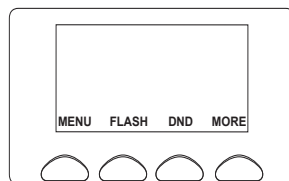


Call Waiting

Call Waiting, a service available from your telephone provider, lets you receive calls while you are on another call. If you get a call when you are on another call, the phone can sound a tone to notify you of the waiting call.

For Australia:

Press **FLASH** soft key and then press 2 to accept the waiting call. The first caller is put on hold, and you will hear the new caller after a short pause. To return to the original caller, press **FLASH** soft key and then 2 again.





For New Zealand:

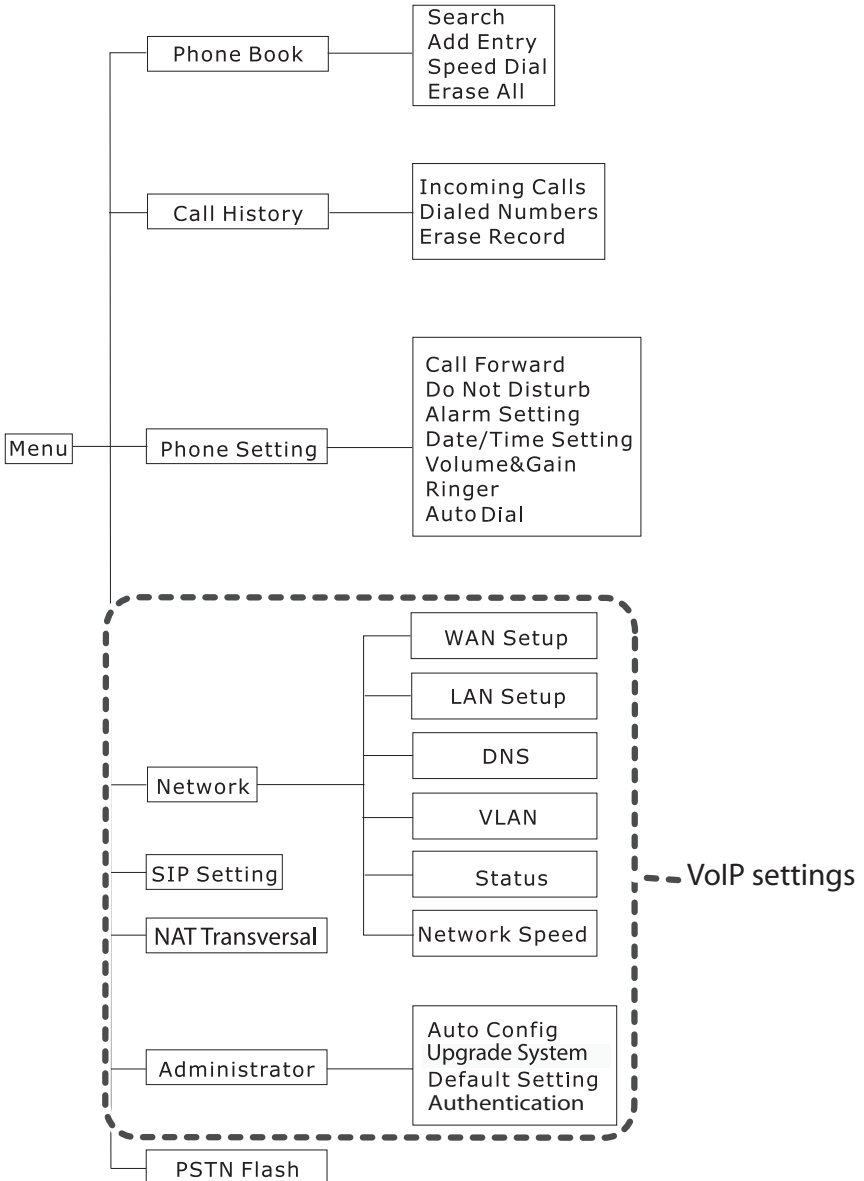
Press **FLASH** soft key to accept the waiting call. The first caller is put on hold, and you will hear the new caller after a short pause. To return to the original caller, press **FLASH** soft key again.

For details on the Flash time settings, please refer to page 17.

USING THE MENU

The VP300 feature settings can be accessed manually using the keypad and menu keys. If the network or internet connection is available, then the menu settings can be easily accessed and changed via a PC web-browser. Refer to the VP300 VoIP Owner's Manual on the Uniden website.

Use the  (menu button),  (navigation keys) and **OK** button to navigate through various Menu Settings.




Phonebook

The Phonebook can store upto 140 entries. If you call a person whose name is stored in the Phonebook, that person's name will be displayed, if not the phone number will be displayed.

Phonebook

1. Search
2. Add Entry
3. Speed Dial
4. Erase All

- To access *Phonebook*, either press the Menu soft key or . The cursor, by default, will be pointing to the option *Phonebook*. Press **OK**.
 - The LCD will display the options under the setting *Phonebook*.
 - Use the relevant up/down key on the navigation panel to select the desired option and press **OK**.
- ✗ **You can also access the options under the setting *Phonebook*, by pressing the PHBK soft key.**

Search For an Entry

1. Access *Phonebook*, and the cursor, by default, will be pointing to the option '*Search*'. Press **OK**. The LCD display will show '*Search:*'.
 2. Enter the relevant letter, with which you want to begin the search. Press **OK**.
- The entries which begin with that particular letter will be displayed.

Add an Entry

1. Access *Phonebook*, and then select the option '*Add Entry*' by using the relevant up/down key on the navigation panel. Press **OK**.
 - ◇ The LCD display will show '*Name:*'.
 2. Enter the relevant data and press **OK**.
 - ◇ The LCD will display '*Number:*'
 3. Enter the relevant data and press **OK**.
 - ◇ The LCD will display '*Saved Successfully*'.
- ✗ **If you key in the wrong number, press the < key on the navigation panel to delete.**

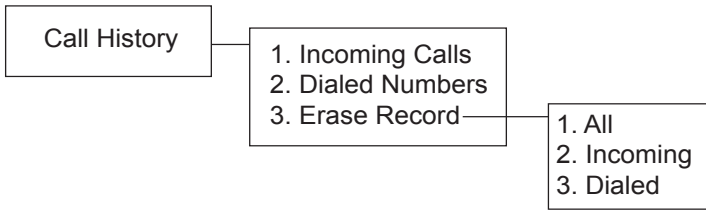
Speed Dial


This setting is not available for VP300.

Erase All

1. Access *Phonebook*, and then select the option '*Erase All*' by using the relevant up/down key on the navigation panel. Press **OK**.
 - ◇ The LCD will display 2 options, *Yes* or *No*.
2. Use the relevant up/down arrow on the navigation panel to select the desired option. Press **OK**.

Call History



- To access the *Call History* setting, either press the Menu soft key or , and use the relevant up/down keys on the navigation panel to select *Call History*. Press **OK**.
- The LCD will display the options under the setting *Call History*.
- Use the relevant up/down arrows on the navigation panel to select the desired option and press **OK**.

Incoming Calls

Select the '*Incoming Calls*' option to get a display of the incoming call list. If there is no record, the LCD displays '*List is empty*'.

1. If a number is displayed, press **OK** to get the options, *1. Save 2. Erase*, on the LCD.
2. To save the displayed number, select the option *Save* by using the relevant up/down key on the navigation panel and press **OK**.
 - ◇ The LCD will display '*Name:*'. Key in the name and press **OK**.
 - ◇ The LCD will display the incoming number - '*Number:xxxxxxx*' Press **OK**.
 - ◇ The LCD will display '*Saved Successfully*'.
3. To delete the number displayed, select the option *Erase* and press **OK**.

Dialed Numbers

Select the '*Dialed Numbers*' option to get a display of the dialed number list. If there is no record, the LCD displays '*List is empty*'.

1. If a number is displayed, press **OK** to get the options, *1. Save 2. Erase*, on the LCD.
2. To save the displayed number, select the option *Save* by using the relevant up/down key on the navigation panel and press **OK**.
 - ◇ The LCD will display '*Name:*'. Key in the name and press **OK**.
 - ◇ The LCD will display the dialed number - '*Number:xxxxxxx*' Press **OK**.
 - ◇ The LCD will display '*Saved Successfully*'.
3. To delete the number displayed, select the option *Erase*. Press **OK**.

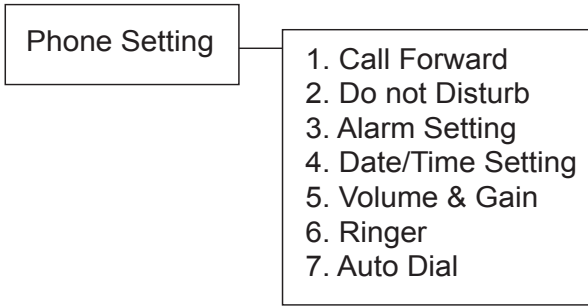
Erase Record


Select the '*Erase Record*' option and then select :

- *All*, to delete all records
- '*Incoming*', to delete the incoming call list
- '*Dialed*', to delete the dialed list.

 **If you erase all the entries, the LCD will display '*Phonebook Empty*'.**

Phone Setting

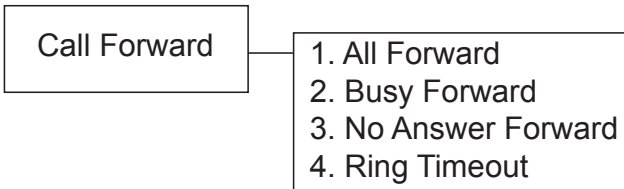


- To access *Phone Setting*, press the Menu soft key or , then use the relevant up/down arrow keys on the navigation panel and select *Phone Setting*. Press **OK**.
- The LCD display will display the options under *Phone Setting*.
- Use the relevant up/down arrows on the navigation panel to select the desired option. Press **OK**.

Call Forward

 **To forward a call, you need to ensure that you are connected to VoIP and PSTN line.**

To setup the VP300 for VoIP calls, you will need to use PC and web browser, refer to the VP300 VoIP Owner's Manual on the Uniden website.



To forward a call, access *Phone Setting* and the cursor, by default, will be on the *Call Forward* option. Press **OK**.

You can opt to forward all calls or calls when there is no answer.

All Forward

1. Access the *Call forward* option, then use the relevant up/down key to select the option *All Forward*. Press **OK**.
 - ◇ The LCD will display two preferences, 1. *Activation* 2. *Number*.
2. Select *Activation* and press **OK**. The options, 1. *Enable* and 2. *Disable* are displayed on the screen.
3. Select *Enable* and press **OK**.
4. Then press *Menu* soft key to go back to the previous screen and select the option *Number* and press **OK**.
5. Enter the relevant number to which the calls are to be forwarded to. Press **OK**.

 **The LCD displays "#AF xxxxxx#" (Forwarded No).**

Busy Forward

This setting is not available for PSTN.

No Answer Forward

1. Access the *Call forward* option, then use the relevant up/down key to select the option *No Answer Forward*. Press **OK**.
 - ◇ The LCD will display two preferences, 1. *Activation*, 2. *Number*.
 2. Select *Activation* and press **OK**. The options, 1. *Enable*, 2. *Disable* are displayed on the screen.
 3. Select *Enable* and press **OK**.
 4. Then press *Menu* soft key to go back to the previous screen and select the option *Number* and press **OK**.
 5. Enter the relevant number to which the calls are to be forwarded to. Press **OK**.
- ✗ **The LCD displays “#NF xxxxxx#”.**

Ring Timeout

1. Access the *Call forward* option, then use the relevant up/down key to select the option *Ring Timeout*. Press **OK**.
 2. The LCD displays Ring: (2-8) Enter a number between 2 and 8 and press **OK** to confirm.
- ✗ **If you have entered 4, then after the 4th ring, all the calls/calls when there is no answer will be forwarded to the saved number.**

Do not Disturb

This setting is available only for VoIP. To setup the VP300 for VoIP calls, you will need to use PC and web browser, refer to the VP300 VoIP Owner's Manual on the Uniden website.

Alarm Setting

You can set an alarm on your conference phone.

1. To activate the Alarm, access the *Phone Setting* and use the up/down keys on the navigation panel to select the option *Alarm Setting*. Press **OK**.
 - ◇ The LCD will display two preferences, 1. *Activation*, 2. *Number*.
 2. Select *Activation* and press **OK**. The options, 1. *Enable*, 2. *Disable* are displayed on the screen.
 3. Select *Enable* and press **OK**.
 4. Then select *Alarm Time*, the LCD will display '*Alarm Time:*'
 5. Enter the desired time.
- ✗ **Please ensure that you have enable the Date & Time setting, for the Alarm setting to work.**

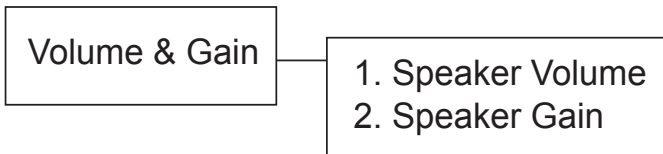
Date & Time Setting

Once you set the date and time, this will display on the LCD.

✂ **To set the date and time, ensure that the SNTP setting is disabled first.**

1. To disable the *SNTP* setting, access the *Phone Setting* and use the up/down keys on the navigation panel to select the option, *Date & Time setting*. Press **OK**.
The LCD will display two options, 1. *Date & Time* 2. *SNTP setting*.
2. Select *SNTP setting* and press **OK**.
3. The LCD will display few options, select the first option 1. *SNTP* and press **OK**.
4. The LCD will display 1. *Enable* 2. *Disable*. Select the option, *Disable* and press **OK**.
1. Access *Phone Setting* and use the up/down keys on the navigation panel to select the option, *Date & Time setting* and press **OK**.
The LCD will display two options, 1. *Date & Time* 2. *SNTP setting*.
2. Select *Date & Time* and press **OK**.
3. The LCD will display - *Date & Time: xxxx-xx-xx xx:xx*
4. Enter the year, month and day followed by the time in the 24hour format and press **OK**.
◇ The LCD will display the Date & Time.

Volume & Gain



The *Volume & Gain* option, allows you to increase or decrease the speaker volume and gain.

1. To increase or decrease the volume/gain, access *Phone Setting* and use the up/down keys on the navigation panel to select the option *Volume & Gain*. Press **OK**.
2. The LCD will display the options, *Speaker Volume* and *Speaker Gain*.
3. Navigate to the desired option, by using the relevant up/down key on the navigation panel and then press **OK**.
4. For example, if you have selected *Speaker Volume*, the LCD will display *Speaker Volume: x (14= Max)*.
5. Use the up/down key on the navigation panel to select the desired level of volume and press **OK**.

Adjust Volumes

Speaker Volume: When the phone is in use, press , ◀ VOL ▶ or 🔊 🔇 on the navigation keys, to increase or decrease the speaker volume. The LCD displays the volume level when it is adjusted. The volume level ranges from 0 (minimum) to 14 (maximum).



Ringer

1. You can change the ringer volume by accessing the *Phone Setting* and selecting the option *Ringer*. To do so, use the up/down keys on the navigation panel and then press **OK**.
2. The LCD displays two options, 1. *Ringer Volume* 2. *Ringer Type*
3. Select *Ringer Volume*, and press **OK**.
4. Use the up/down keys on the navigation panel to increase/decrease the volume of the ringer and press **OK**.


🔇 **The maximum volume setting is 10.**

Ringer Type - This option is not available for PSTN.

Auto Dial

This setting is available only for VoIP. To setup the VP300 for VoIP calls, you will need to use PC and web browser, refer to the VP300 VoIP Owner's Manual on the Uniden website.

PSTN Flash

1. To access *PSTN Flash Setting*, either press the Menu soft key or . Then use the relevant up/down arrow keys on the navigation panel and select *PSTN Flash*. Press **OK**.
2. The LCD will display *PSTN Flash Setting*. Press **OK**.
The options 1. *Flash Item* 2. *Flash Input* will display on the screen.
3. Use the relevant up/down key on the navigation panel to select the option 1. *Flash Item*. Press **OK**. The LCD will display the various Flash Time options.
4. For New Zealand, using the relevant up/down key on the navigation panel, select *Flash Time: 600*.
5. For Australia, using the relevant up/down key on the navigation panel, select *Flash Time: 100*.

🔇 **By default, Flash time is set to 100.**

ONE-YEAR LIMITED WARRANTY

VP300

IMPORTANT Satisfactory evidence of the original purchase is required for warranty service

Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor

The warrantor is either Uniden Australia Pty Limited ABN 58 001 865 498 ("Uniden Aust") or Uniden New Zealand Limited ("Uniden NZ") as the case may be.

Terms of Warranty

Uniden Aust/NZ warrants to the original retail purchaser only that the VP300("the Product"), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty Period

This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire one (1) year from the date of the original retail sale.

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

- (A) Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner's Manual;
- (B) Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden Aust or Uniden NZ;
- (C) Improperly installed contrary to instructions contained in the relevant Owner's Manual
- (D) Repaired by someone other than an authorized Uniden Repair Agent in relation to a defect or malfunction covered by this warranty; or
- (E) Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered

This warranty covers the Product and included accessories.

User-generated Data

This warranty does not cover any claimed loss of or damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

Statement of Remedy

If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty does not include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for Obtaining Warranty Service

Depending on the country in which the Product was first purchased, if you believe that your Product does not conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden at the addresses shown below. You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

UNIDEN AUSTRALIA PTY LTD

Service Division
345 Princes Highway,
Rockdale, NSW 2216
Phone number: 1300 366 895
Email address: custservice@uniden.com.au

UNIDEN NEW ZEALAND LTD

Service Division
150 Harris Road, East Tamaki
Auckland 2013
Phone number: (09) 273 8377
Email address: service@uniden.co.nz

Uniden®

©2012 Uniden Australia Pty Ltd/Uniden New Zealand Limited
Printed in PRC

Uniden®

VP300

Conference Phone System

Installation and VoIP Line Setup

For more exciting new products please visit our website:

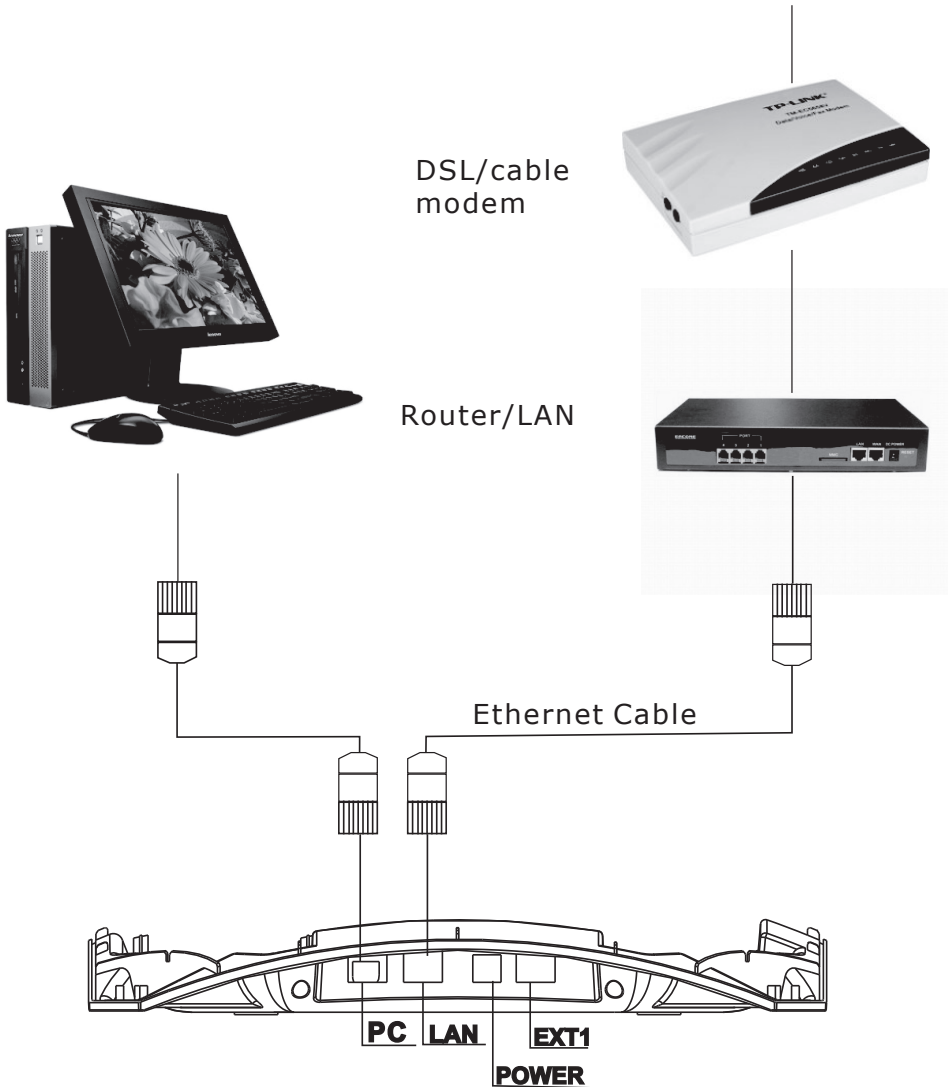
Australia: www.uniden.com.au

New Zealand: www.uniden.co.nz

QUICK START GUIDE

CONNECTING IP PHONE

Connecting VP300 to PC/Modem-Router as shown in the diagram below.

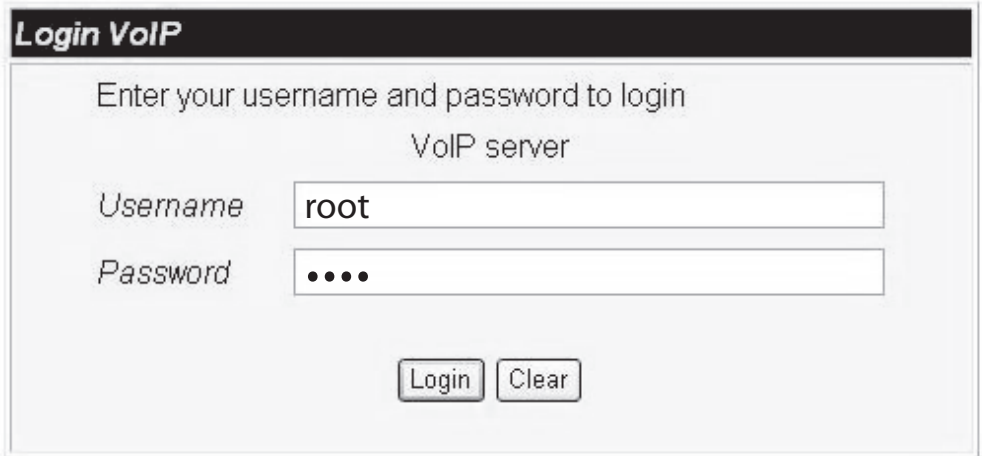


1. Plug one end of the Ethernet cable into the LAN jack of the VP300. Plug the other end to an Ethernet jack for network/internet access.
2. Plug the second Ethernet cable into the PC jack of the VP300. Plug the other end to an Ethernet jack on the PC.

WEB LOGIN

The configuration menu of VP300 can be accessed using the interface of a web browser. Follow the steps given below to get started.

1. Launch your web browser (Internet, Explorer, Firefox) and enter 192.168.123.001:9999/ in the *Address* field.
2. The *Login VoIP* screen appears.
3. Enter (root) in the user name field and enter (test) in the password field. Then click on the *Login* button.



Login VoIP

Enter your username and password to login
VoIP server

Username

Password

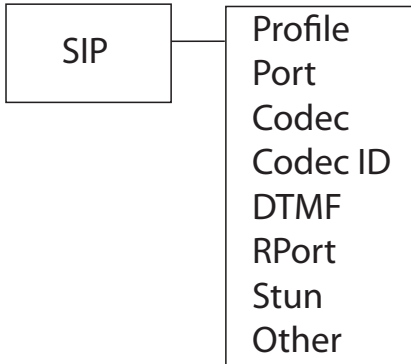
If you have successfully logged in, the 'Home Page' will be displayed.



The VoIP home page displays the following setting options: SIP, Network, System, Phone Book, Features, Update.

The home page gives basic system information such as, Model Name, Firmware Version and Codec Version.

SIP SETTING



Under the SIP setting, you have the following options - Profile, Port, Codec, Codec ID, DTMF, RPort, Stun and Other.

SIP Setting

Let's say for example you want to register the SIP Proxy Port number, then on the main page, you click on the *SIP* tab and select the option *Profile* (Service Domain Settings).

The *Service Domain Settings* screen (shown below) displays. You can have 3 SIP accounts on the VP300. To update the fields, first click on *On* button next to the option *Active* and then update the fields and click on the *Submit* button.

The *Note Information* page displays with the instructions to save and reboot, in order to ensure that the changes have been effected.

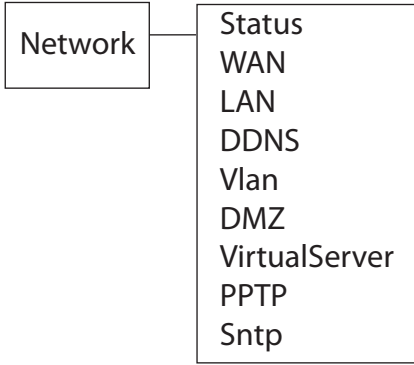
Click on the *Save* button, found at the top of the page. The *Save Changes* page displays, click on the *Save* button. The system will reboot automatically.

Service Domain Settings

You could set information of service domains in this page.

Realm 1 (Default)	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	<input type="text" value="888641273"/>
User Name:	<input type="text" value="888641273"/>
Register Name:	<input type="text" value="888641273"/>
Register Password:	<input type="password" value="•••••"/>
Domain Server:	<input type="text" value="voiptalk.org"/>
Proxy Server:	<input type="text" value="voiptalk.org"/>
Outbound Proxy:	<input type="text" value="nat.voiptalk.org:5060"/>
Subscribe for MWL:	<input checked="" type="radio"/> On <input type="radio"/> Off
Status:	Registered

NETWORK SETTING



Under the Network setting, you have the following options - Status, WAN, LAN, DDNS, Vlan, DMZ, Virtual Server, PPTP, Sntp.

SNTP Setting

SNTP setting can provide the time setting for the server.

To update the SNTP settings, click on the *Network* tab on the main page, and select the option *Sntp*.

The screen shown below displays. Update the necessary information and click on the *Submit* button.

The *Note Information* page displays with the instructions to save and reboot, in order to ensure that the changes have been effected.

Click on the *Save* button, found at the top of the page. The *Save Changes* page displays, click on the *Save* button. The system will reboot automatically.

SNTP Settings

You could set the SNTP servers in this page.

SNTP: On Off

Primary Server:


Secondary Server:

Time Zone: GMT (hh:mm)

Sync. Time: : : (dd:hh:mm)

MAKE A CALL VIA VOIP LINE

To make a call through the VoIP line:

1. Press  and dial the phone number.


To make a VoIP call using the IP address

1. Press  button.
2. Dial IP address.

Eg: Dialing #192*168*0*1

3. Press # button (or wait till timer expires).

To make a VoIP call using the SIP internal number.

1. Press  button.
2. Dial SIP internal number.

Eg: Dialing 1866

3. Press # button (or wait till timer expires).

For in-depth details on the various settings available under VoIP, please refer to out VP300 web configuration with VoIP.

VP300

Web Configuration with VoIP



VP300-Conference Phone System

Appendix - Web Configuration and Operation

CONTENT

Web Configuration with VoIP Gateway Web	4
Chapter 1. Web Configuration with VoIP Introduction	5
1.1 Web Configuration with VoIP Overview	5
1.2 Accessing the Web Configuration	5
1.3 Login and Welcome Screen.....	5
1.4 Sysconf Information	5
1.5 Saving Your Configuration.....	6
1.6 Navigating the Web Configuration	6
Chapter 2. Instruction of the Web Environment.....	7
2.1 Pre-settings	7
2.2 Login VoIP Web Page	7
2.3 VoIP Setting Page	8
2.4 System Information.....	9
2.5 Save Change	9
Chapter 3. Phone Book	10
3.1 Phone Book	10
Chapter 4. Feature Setting	13
4.1 Forward Setting.....	13
4.2 Volume Setting.....	18
4.3 Ringtone Setting.....	21
4.4 DND Setting.....	21
4.5 Flash Time Setting (for FXS & FXO)	22
4.6 Call Waiting Setting	24
4.7 Soft-Key Setting (for Phone)	25
4.8 Hotline Settings	26
4.9 Alarm Settings	27
Chapter 5. Network Setting	28
5.1 Status.....	28
5.2 WAN Settings	31
5.3 LAN Settings	33
5.4 DDNS settings.....	34
5.5 VLAN Settings.....	38
5.6 DMZ Setting.....	40
5.7 Virtual Server	41
5.8 PPTP Settings.....	43
5.9 SNTP Setting.....	45
Chapter 6. SIP Settings.....	46
6.1 Profile(Service Domain) Settings	46
6.2 Port Settings (SIP and RTP Setting)	53
6.3 Codec Settings.....	54
6.4 Codec ID Settings	56
6.5 DTMF Settings	59
6.6 RPort Settings.....	62

6.7 STUN Settings.....	64
6.8 Other Settings	65
Chapter 7. System.....	68
7.1 Authentication	68
7.2 Auto Config.....	70
7.3 FXS/ FXO & FXS/FXO Port Settings.....	75
7.4 MAC Clone Setting	77
7.5 Tones Settings	78
7.6 Advanced Settings.....	82
7.7 Log Setting.....	95
7.8 Auto Answer (for FXO)	96
7.9 Dial Plan Settings.....	98
Chapter 8. Save Change	101
8.1 Save Change	101
Chapter 9. Update	102
9.1 New Firmware.....	102
9.2 Auto Update.....	105
9.3 Default Setting	110
Chapter 10. Reboot.....	111
10.1 Reboot.....	111
Operate Instruction.....	113
Chapter 11. Phone Transfer Rule.....	114
11.1 IP mode Transfer Rule.....	114
Chapter 12. Gateway/TA Transfer Rule	114
12.1 IP mode Transfer Rule.....	114

Web Configuration with VoIP Gateway Web

This part explains how to access and navigate the web configurator and perform initial configuration. It also describes the Getting Started web configuration when you use the VoIP Gateway.

Chapter 1. Web Configuration with VoIP Introduction

This Chapter describes how to login into the WEB and navigate through it.

1.1 Web Configuration with VoIP Overview

The embedded web configuration allows you to use a web browser to manage the VoIP Gateway.

1.2 Accessing the Web Configuration

You will need a computer with and Ethernet 10BaseT, 100Base-TX Network Interface Card (NIC). Connect to the LAN port in the FXS.

Use Internet Explorer 5.5 and later or Netscape Navigator 6 and later versions.

Use the following instructions to login on to the web configuration.

1.3 Login and Welcome Screen

Step 1. Start your web browser.

Step 2. Launch your web browser and enter [http://192.168.123.001:9999/] (the default IP address of the VoIP Gateway) in the Location or Address field. Press Enter.

Step 3. The Password screen now appears. Type [root] in the user name field (it may display automatically for you) and your password (default [test]) in the password field.

Step 4. Click OK.



Figure 1-1 Login Screen

Step 5. After a successful login, you will see the welcome screen show next.

1.4 Sysconf Information

This is the web configuration Sysconfig Information screen. Click a link on the navigation panel to go to the corresponding screen.



Model Name:	PHONE-O
Firmware Version:	Mon Nov 30 12:04:33 2009 (908260)
Codec Version:	Tue May 19 10:11:05 2009 (905190)

Figure 1-2 VoIP Gateway web configuration welcome screen

Please refer to the Excel sheet provided.

ITEMS ON WEB	DESCRIPTION
Home	System Information
SIP	SIP Setting item, provide Service Domain Settings, Port Settings, Code Settings, Codec ID Settings, DTMF Settings, RPort Settings, Stun Settings,Other Settings
Network	Network Setting item, provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server, PPTP Setting.
System	System Authority item, Authentication Setting, Auto Config Setting, Fxo Port Setting, Mac Clone Setting,Tone,Advanced Setting,Tone Setting, Advanced Setting Log Setting,Auto Answer Setting, Dial Plan Setting
Phone Book	Phone Book item, provides Phone Book
Features	Phone setting item, provides Forward Setting, Volume Setting, Ringtone Setting, DND Setting, Flash Time Setting, Call Waiting Setting, Soft-Key Setting(for Phone) , Hotline Setting, Alarm Setting
Update	Update item, provides New Firmware, Auto Update, Default Setting
Save	Save the change
Reboot	Reboot, restarted the system

1.5 Saving Your Configuration

Click "Save" to save your changes back to the VoIP Gateway volatile memory. The VoIP Gateway loses these changes if it is turned off or loses power, so use the Commit Data link on the navigation panel to the left to save your changes to the non-volatile memory when your are done configuring.

1.6 Navigating the Web Configuration

The web configuration uses two level. For example, to configure [Phone Book -> Phone Book], click the link on the navigation panel to open the configuration screen.

Phone Book

You could add/delete items in current phone book.

Phone Book Page:

Phone	Name	Number or URL	Select
0			<input type="checkbox"/>
1			<input type="checkbox"/>
2			<input type="checkbox"/>
3			<input type="checkbox"/>
4			<input type="checkbox"/>
5			<input type="checkbox"/>
6			<input type="checkbox"/>
7			<input type="checkbox"/>
8			<input type="checkbox"/>
9			<input type="checkbox"/>

Add New Phone

Position: (0~139)
 Name:
 URL:

Figure 1-3 Phone Book Screen

Chapter 2. Instruction of the Web Environment

2.1 Pre-settings

2.1.1 Network settings

Network Mode: Default NAT Mode

WAN Port: DHCP Client Mode

LAN Port: DHCP Server, IP Address: 192.168.123.1

2.1.2 Web Page

VoIP Web Login page, <http://192.168.123.1:9999>

➤ Login Account:

- Administrator's Right: Login Account: root, Password: test
- Super use's Right: Login Account: system, Password: test
- Normal Right: Login Account: user, Password: test

2.2 Login VoIP Web Page

2.2.1 Function

Provide login system management page.

2.2.2 Instruction



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

2.2.3 Operate instruction

Step 1: Open IE, input [<http://192.168.123.1:9999>], then enter.

Step 2: Login [Login VoIP] page, please input [Username & Password (e.g. Username: root, Password: test)], then press [Login]. Make sure that the Password is OK (See Figure 1).



(Figure 1)

Step 3: After login the system, the System Information will be seen (See Figure 2).



(Figure 2)

2.3 VoIP Setting Page

2.3.1 Function

Provide Phone Book, Features, Network Setting, SIP Setting, NAT, Other Settings, System Auth, Save, Reboot, Update, and Reboot.

2.3.2 Instruction



ITEMS ON WEB	DESCRIPTION
Home	System Information
SIP	SIP Setting item, provide Service Domain Settings, Port Settings, Code Settings, Codec ID Settings, DTMF Settings, RPort Settings, Stun Settings, Other Settings
Network	Network Setting item, provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server, PPTP Setting.
System	System Authority item, Authentication Setting, Auto Config Setting, Fxo Port Setting, Mac Clone Setting, Tone, Advanced Setting, Tone Setting, Advanced Setting Log Setting, Auto Answer Setting, Dial Plan Setting
Phone Book	Phone Book item, provides Phone Book
Features	Phone setting item, provides Forward Setting, Volume Setting, Ringtone Setting, DND Setting, Flash Time Setting, Call Waiting Setting, Soft-Key Setting(for Phone) ,

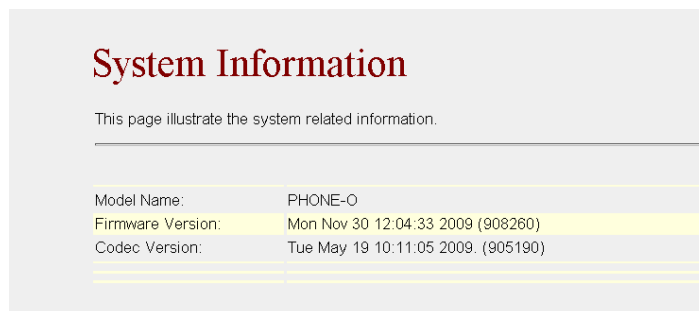
	Hotline Setting, Alarm Setting
Update	Update item, provides New Firmware, Auto Update, Default Setting
Save	Save the change
Reboot	Reboot, restarted the system

2.4 System Information

2.4.1 Function

View Model Name, Firmware Version, Codec Version etc.

2.4.2 Instruction



Model Name	Show the name of the equipment
Firmware Version	Show the Risc version information, e.g. Mon Nov 30 12:04:33 2009 (908260).
Codec Version	Show the DSP version information, e.g. Tue May 19 10:11:05 2009. (905190).

2.5 Save Change

2.5.1 Function

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

2.5.2 Operate Instruction

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

WAN Settings

You could configure the WAN settings in this page.

LAN Mode: Bridge NAT

WAN Setting

IP Type: Fixed IP DHCP Client PPPoE

IP:

Mask:

Gateway:

DNS Server1:

DNS Server2:

MAC:

Host Name:

PPPoE Setting

User Name:

Password:

Step 2: After saving the changes, enter [Note Information] page, the “Note Information” will be seen, then the change came into effect (See Figure 2).

Note Information

This page inform user important information.

Configure OK.
You have to **save** and **reboot** the VoIP to effect those changes.

(Figure 2)

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, saving the changes by click [Save] (See Figure 3)

Save Changes

You have to save changes to effect them.

Save Changes:

(Figure 3)

Step 4: Enter [Note Information] page, means saving successfully, and the system will be restarted, please wait for a second (See Figure 4).

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....

(Figure 4)

Chapter 3. Phone Book

Provide Phone Book.

3.1 Phone Book

3.1.1 Function

Phone Book can store up to 140 entries. When user A calls person B, if person B's name is in the phone book, then B's name will be shown on the phone. If not, B's phone number will be seen.

3.1.2 Instruction

Phone Book

You could add/delete items in current phone book.

Phone Book Page:

Phone	Name	Number or URL	Select
0			<input type="checkbox"/>
1			<input type="checkbox"/>
2			<input type="checkbox"/>
3			<input type="checkbox"/>
4			<input type="checkbox"/>
5			<input type="checkbox"/>
6			<input type="checkbox"/>
7			<input type="checkbox"/>
8			<input type="checkbox"/>
9			<input type="checkbox"/>

Add New Phone

Position: (0~139)

Name:

URL:

Figure(5) Phone Book

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

3.1.3 Operate Instruction

Step 1: On the main page, select [Phone Book→Phone Book], enter [Phone Book] page, revise the information (Phone: 0, Name: 301, URL: 301@192.168.1.2), then press the key [Add Phone] (See Figure 1).

The screenshot shows a web interface titled "Phone Book". Below the title, it says "You could add/delete items in current phone book." There is a dropdown menu for "Phone Book Page" set to "page 1". Below this is a table with four columns: "Phone", "Name", "Number or URL", and "Select". The table has 10 rows, numbered 0 to 9. Below the table are three buttons: "Delete Selected", "Delete All", and "Reset". Underneath is a section titled "Add New Phone" with three input fields: "Position" (set to 0), "Name" (set to 301), and "Number or URL" (set to 192.168.1.2). At the bottom of this section are two buttons: "Add Phone" and "Reset".

(Figure 1)

Step 2: After adding the new information (see the table as below), if no information is added, please save change (See Figure 2).

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	<input type="checkbox"/>
1			<input type="checkbox"/>
2			<input type="checkbox"/>
3			<input type="checkbox"/>
4			<input type="checkbox"/>
5			<input type="checkbox"/>
6			<input type="checkbox"/>
7			<input type="checkbox"/>
8			<input type="checkbox"/>
9			<input type="checkbox"/>

Delete Selected
Delete All
Reset

Add New Phone

Position: (0~139)

Name:

Number or URL:

Add Phone
Reset

(Figure 2)

Step 3: After add all information, select [Save Change], enter [Save Changes] page, save the change. [Note Information] will be seen. Then the system will be restarted automatically, please wait for a second (See Figure 3).

Phone Book Page: page 1

Phone	Name	Number or URL	Select
0	301	192.168.1.2	<input type="checkbox"/>
1	206	17476433364	<input type="checkbox"/>
2	202	192.168.1.202:5062	<input type="checkbox"/>
3			<input type="checkbox"/>
4			<input type="checkbox"/>
5			<input type="checkbox"/>
6			<input type="checkbox"/>
7			<input type="checkbox"/>
8			<input type="checkbox"/>
9			<input type="checkbox"/>

Delete Selected
Delete All
Reset

(Figure 3)

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

Application 1: The user pick up the phone, input [301], which, in [Name] column is [192.168.1.2] that rings

Instruction 2: Name: 206, URL: 17476433364.

Application 1: The user pick up the phone, input [206], which, in [Name] column is [17476433364] that rings.

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

Application 1: The user pick up the phone, input [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 pick up the phone, input [0227458080], but no information is found in [Name] column, so the requirement will be sent directly.

Chapter 4. Feature Setting

Provides Forward Setting, Volume Settings, Ringtone Setting, DND Setting, Flash Time Setting, Call Waiting Setting, Soft-Key Setting, Hotline Setting, Alarm Setting.

4.1 Forward Setting

4.1.1 Function

Provide forward function.

4.1.2 Instruction

Figure Forward Setting (VoIP Gateway/Phone Only)

Forward Setting

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

All Forward: Off On

Busy Forward: Off On

No Answer Forward: Off On

	Name	URL
All Fwd No.:	<input type="text"/>	<input type="text"/>
Busy Fwd No.:	<input type="text"/>	<input type="text"/>
No Answer Fwd No.:	<input type="text"/>	<input type="text"/>

No Answer Fwd Time Out: (2~8 Ring)

All forward	Default: Off. When setting On, all incoming calls will be forwarded, in support of IP mode.
Busy Forward	Default: Off. When setting On, and the line is busy, it will run to support IP mode.
No Answer Forward	Default: off. When setting On and there is no body answer the phone, it will run to support IP mode.
All Fwd No.	All incoming calls will be forwarded.
Name	Show or Input the name.
URL Number	Show or input the dialing information, 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.
URL Number	Show or input the dialing information, 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.

URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
No Answer Fwd Time Out	Default: 3(Ring), when ringing 3 times but no one answers, it is regarded as no one answers the call. Data Range: (2~8 Ring). . . Maximum length is 2 bytes.
Submit [Button]	Enforce the command of saving chance.
Reset [Button]	Delete selected information.

Figure Forward Setting (VoIP Gateway/Phone + FXO Only)

All forward	Default: Off. When setting ON, all the incoming calls will be forwarded by IP mode or PSTN mode. NOTICE: If the incoming call goes through FXO, the call could only be forwarded to IP mode.
Busy Forward	Default: Off. When setting On, and the line is busy, the call will be forwarded only by IP mode.
No Answer Forward	Default: Off. When setting On, and nobody answers the phone, it will run by IP mode or PSTN mode. NOTICE: 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.
URL Number	Show or input the dialing information, 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.
URL Number	Show or input the dialing information, 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.
URL Number	Show or input the dialing information, can be Login Account, IP Address or PSTN Numbers, maximum length is 63 bytes.
No Answer Fwd Time Out	Default: 3(Ring), when ringing 3 times but no one answers, it is regarded as no one answers the call. Data Range: (2~8 Ring). . . Maximum length is 2 bytes.
Submit [Button]	Enforce the command of saving chance.
Reset [Button]	Delete selected information.

4.1.3 Operate Instruction

Example 1: Forwarded under any condition

Step 1: On the main page, select [Feature Setting→Forward Setting], enter [Forward Setting] page, after revising all the information (All Forward: on, All fwd No Name: angel, URL: 22067), press [Submit] (See Figure 1).

Forward Setting

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

All Forward:	<input type="radio"/> Off	<input checked="" type="radio"/> On
Busy Forward:	<input checked="" type="radio"/> Off	<input type="radio"/> On
No Answer Forward:	<input checked="" type="radio"/> Off	<input type="radio"/> On

	Name	URL
All Fwd No.:	angel	22067
Busy Fwd No.:		
No Answer Fwd No.:		

No Answer Fwd Time Out: (2~8 Ring)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new incoming call, and 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 [Feature→Forward Setting], enter [Forward Setting] page, after revising all the information (Busy Forward: on, No Answer Forward: on, Busy fwd No Name: Mobil, URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068) (See Figure 2), then click [Submit].

Forward Setting

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

All Forward:	<input checked="" type="radio"/> Off	<input type="radio"/> On
Busy Forward:	<input type="radio"/> Off	<input checked="" type="radio"/> On
No Answer Forward:	<input type="radio"/> Off	<input checked="" type="radio"/> On

	Name	URL
All Fwd No.:		
Busy Fwd No.:	Mobil	0912345678
No Answer Fwd No.:	ext	22068

No Answer Fwd Time Out: (2~8 Ring)

(Figure 2)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully.

And the system will be restarted, please wait for a second.

Step 4: When the line is busy, it will forward to Mobile [0912345678], and [0912345678] rings.

Step 5: When it rings 3 time, and nobody answer 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 [Feature→Forward Setting], enter [Forward Setting] page, after revising all the information (All Forward: on, All fwd No Name: angel, URL: 0912345678) (See Figure 3), then click [Submit].

	Name	Number or URL
All Fwd No.:	angel	22067
Busy Fwd No.:		
No Answer Fwd No.:		

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a second.

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 [Feature→Forward Setting], enter [Forward Setting] page, after revising all the information (Busy Forward: on, No Answer Forward: on, Busy fwd No Name: Mobil, URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068) (See Figure 4), then click [Submit].

Forward Setting

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

All Forward: Off IP PSTN

Busy Forward: Off IP

No Answer Forward: Off IP PSTN

	Name	Number or URL
All Fwd No.:	<input type="text"/>	<input type="text"/>
Busy Fwd No.:	Mobile	0912345678
No Answer Fwd No.:	ext	22068

No Answer Fwd Time Out: (2~8 Ring)

(Figure 4)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a second.

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 answer 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 [Feature→Forward Setting], enter [Forward Setting] page, after revising all the information (All Forward: PSTN, All fwd No Name: angel, URL: 0912345678) (See Figure 5), then click [Submit].

Forward Setting

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

All Forward: Off IP PSTN

Busy Forward: Off IP

No Answer Forward: Off IP PSTN

	Name	URL/Number
All Fwd No.:	mobile	0912345678
Busy Fwd No.:	<input type="text"/>	<input type="text"/>
No Answer Fwd No.:	<input type="text"/>	<input type="text"/>

No Answer Fwd Time Out: (2~8 Ring)

(Figure 5)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call, it will run by PSTN Port automatically, and call Mobile [0912345678]

Example 6: Busy Forward or No Answer Forward to PSTN

Step 1: On the main page, select [Feature→Forward Setting], enter [Forward Setting] page, after revising all

the information (Busy Forward: PSTN, No Answer Forward: on, Busy fwd No Name: Mobile, URL: 0912345678, No Answer Fwd No Name: ext, URL: 22068) (See Figure 6), then click [Submit].

(Figure 6)

- Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.
- Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.
- Step 4: When the line is busy, it will forward to [0912345678], and Mobile 0912345678 rings.
- Step 5: When rings 3 times and nobody answer the phone, it will run by PSTN Port, and call PSTN [031237788], and 031237788 rings.

4.2 Volume Setting

4.2.1 Function

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

4.2.2 Instruction

Figure Volume Setting (VoIP Gateway Only)

Volume Setting

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

Handset Volume	Default 10. Control the volume of the Handset from (0~12) . . Maximum length is 2 bytes.
Handset Gain	Default 10. Control the handset gain from (0~15) . . Maximum length is 2 bytes.
Submit [Button]	Save the change.
Reset [Button]	Clear the change.

Figure Volume Setting (VoIP Gateway + FXO Only)

Volume Setting

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

Handset Volume: (0~12)

PSTN-Out Volume: (0~12)

Handset Gain: (0~15)

PSTN-In Gain: (0~15)

(Figure 2)

Handset Volume	Default 10. Control the volume of the Handset from (0~12) . . Maximum length is 2 bytes.
PSTN-Out Volume	Default 9 Control the PSTN-Out (PSTN Port) Volume from (0~12) . . Maximum length is 2 bytes.
Handset Gain	Default 10. Control the Handset Gain from (0~15) . . Maximum length is 2 bytes.
PSTN-In Gain	Default 9 Control the PSTN-In (PSTN Port) Gain from (0~15) . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Volume Setting (VoIP Phone Only)

Volume Setting

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

Handset Volume: (0~15)

Speaker Volume: (0~15)

Ringer Volume: (0~10)

Handset Gain: (0~15)

Speaker Gain: (0~15)

(Figure 3)

Handset Volume	Default 10. Control the Handset Volume from (0~15) . . Maximum length is 2 bytes.
Speaker Volume	Default 8. Control the Speaker Volume from (0~15) . . Maximum length is 2 bytes.
Ringer Volume	Default 6. Control the Ringer Volume from (0~10) . . Maximum length is 2 bytes.
Handset Gain	Default 10. Control the Handset Gain from 0~15 . . Maximum length is 2 bytes.
Speaker Gain	Default 9. Control the Speaker Gain Volume from 0~15 . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Volume Setting (VoIP Phone + FXO Only)

Volume Setting

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

Handset Volume:	<input type="text" value="10"/>	(0~15)
Speaker Volume:	<input type="text" value="8"/>	(0~15)
Ringer Volume:	<input type="text" value="6"/>	(0~10)
PSTN-Out Volume:	<input type="text" value="9"/>	(0~12)
Handset Gain:	<input type="text" value="8"/>	(0~15)
Speaker Gain:	<input type="text" value="9"/>	(0~15)
PSTN-In Gain:	<input type="text" value="9"/>	(0~15)

Handset Volume	Default 10. Control the Handset Volume from (0~15) . . Maximum length is 2 bytes.
Speaker Volume	Default 8. Control the Speaker Volume from (0~15) . . Maximum length is 2 bytes.
Ringer Volume	Default 6. Control the Ringer Volume from (0~10) . . Maximum length is 2 bytes.
PSTN-Out Volume	Default 9. Control the PSTN-Out (PSTN Port) Gain Volume from (0~12) . . Maximum length is 2 bytes.
Handset Gain	Default 8. Control the Handset Gain Volume from 0~15 . . Maximum length is 2 bytes.
Speaker Gain	Default 9. Control the Speaker Gain Volume from 0~15. . . Maximum length is 2 bytes.
PSTN-In Gain	Default 9. Control the PSTN-In (PSTN Port) Gain Volume from (0~15) . . Maximum length is 2 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.2.3 Operate Instruction

Step 1: On the main page, select [Feature→ Volume Setting], enter [Volume Setting] page, after revising all information (e.g. Handset Volume: 9, PSTN-Out Volume: 12, Hand Set Gain: 9, PSTN-In Gain: 13) (See Figure 1), then click [Submit].

Volume Setting

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

Handset Volume:	<input type="text" value="9"/>	(0~12)
PSTN-Out Volume:	<input type="text" value="9"/>	(0~12)
Handset Gain:	<input type="text" value="9"/>	(0~15)
PSTN-In Gain:	<input type="text" value="9"/>	(0~15)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

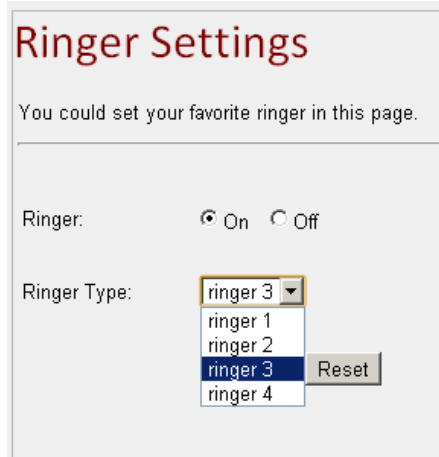
4.3 Ringtone Setting

4.3.1 Function

Ringtone Setting allows to set your favorite ringer in this page.

4.3.2 Instruction

Figure Ringtone Setting



Step 1: On the main page, select [Feature→ Ringtone Setting], enter [Ringtone Setting] page, choose "On" and Ringer Type ,e.g. Ringer Type: ringer 3. then click [Submit].

Step 2: After saving change, enter [Note Information] page, "Note Information" will be seen, then the changing will come into effect.

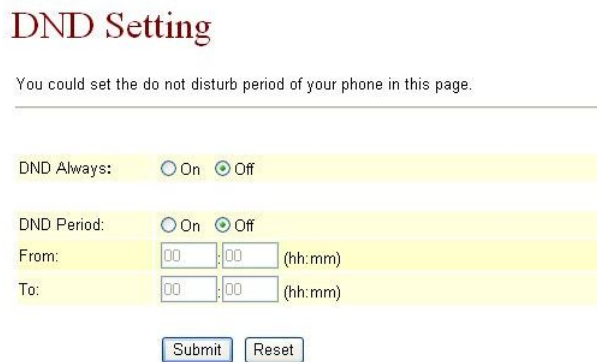
4.4 DND Setting

4.4.1 Function

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

4.4.2 Instruction

Figure DND Setting



DND Always	Default: OFF. When setting ON, all incoming calls will be denied.
DND Period	Default OFF. When setting 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.
To	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.

4.4.3 Operate Instruction

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

Step 1: On the main page, select [Feature→ DND Setting], enter [DND Setting] page, after revising all information (e.g.DND Period: on, Form: 18:00, To: 23:00) (See Figure 1), then 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)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call during DND time period, “busy tone” will be heard.

Example 2: Start the function that denied all incoming calls

Step 1: On the main page, select [Feature→ DND Setting], enter [DND Setting] page, after revising information (DND Always: on) (See Figure 2), then 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 Off

From: 00 : 00 (hh:mm)

To: 00 : 00 (hh:mm)

(Figure 2)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When receiving a new call, “busy tone” will be heard.

4.5 Flash Time Setting (for FXS & FXO)

4.5.1 Function

Flash Time Setting can transfer or hang off the phone.

4.5.2 Instruction

Figure Flash Time Setting

Flash Time Setting

You could set the flash time in this page.

Max Flash Time: x 10MS (4~255)

Max Flash Time	Default 60. Flash signal that is <(less than) 600ms, will be regarded as transfer; flash signal that is > (more than) 600ms will be regarded as On-Hook. From (4~255),Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Flash Time Setting (VoIP Gateway + FXO Only)

Flash Time Setting

You could set the flash time in this page.

FXO Flash Time

Flash Time: x 10MS (9~120)

FXS Flash Time

Max Flash Time: x 10MS (4~255)

FXO Flash Time	FXO Port Flash Time
Flash Time	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 (4~255),Unit: 10MS. Maximum length is 3 bytes.
FXS Flash Time	FXO Port Flash Time
Max Flash Time	Default 60. Flash signal that is <(less than) 600ms, will be regarded as transfer; flash signal that is > (more than) 600ms will be regarded as On-Hook. From (4~255),Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Flash Time Setting (VoIP Phone + FXO Only)

Flash Time Setting

You could set the flash time in this page.

Flash Time: x 10MS (9~120)

(Figure 3)

Flash Time	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 (4~255),Unit: 10MS. Maximum length is 3 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.5.3 Operate Instruction

Step 1: On the main page, select [Feature→Flash Time Setting], enter [Flash Time Setting] page, after revising information (e.g. Flash Time: 70, Max Flash Time: 100) (See Figure 1), then click [Submit].

Flash Time Setting

You could set the flash time in this page.

FXO Flash Time

Flash Time: x 10MS (9~120)

FXS Flash Time

Max Flash Time: x 10MS (4~255)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

4.6 Call Waiting Setting

4.6.1 Function

Call Waiting Setting provides call waiting function.

4.6.2 Instruction

Figure Call Waiting Setting

Call Waiting Setting

You could enable/disable the call waiting setting in this page.

Call Waiting: On Off

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

4.6.3 Operate Instruction

Example 1: Close call waiting function

Step 1: On the main page, select [Feature→ Call Waiting Setting], enter [Call Waiting Setting] page, after revising information (e.g. Call Waiting: off) (See Figure 1), then click [Submit].

Call Waiting Setting

You could enable/disable the call waiting setting in this page.

Call Waiting: On Off

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the

changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When there is a new call during calling, busy tone will be heard.

Example 2: Start the call waiting function

Step 1: On the main page, select [Feature→ Call Waiting Setting], enter [Call Waiting Setting] page, after revising information (e.g. Call Waiting: off) (See Figure 1), then click [Submit].

Call Waiting Setting

You could enable/disable the call waiting setting in this page.

Call Waiting: On Off

(Figure 2)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: While Person A is talking with Person B, but Person C calls A; so A will hear the reminding tone, if A would like to pick up C’s call, A need to press the key [Hold] or [Flash] (B’s call is maintaining at the same time); If A would like to talk with B again, A need to press the key [Hold] or [Flash] (C’s call is maintaining at the same time

4.7 Soft-Key Setting (for Phone)

4.7.1 Function

Soft-Key Setting provides Pick-up key and Voice mail key for the phone.

Phone is required to have those 2 keys. SIP Proxy server is required to have those function.

4.7.2 Instruction

Figure Soft-Key Setting (VoIP Phone Only)

Soft-key Setting

You could configure the soft-key setting in this page.

Pick up key:

Voice mail key:

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

4.7.3 Operate Instruction

Step 1: On the main page, select [Feature→Soft-Key Setting], enter [Soft-Key Setting] page, after revising

information (e.g. C Pick up kye: *95, Voice Mail Key: *98) (See Figure 1), then click [Submit].

Soft-key Setting

You could configure the soft-key setting in this page.

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When listening the voice mail, please press [Voice Mail]. When pick up the phone, please press [Pick UP]

4.8 Hotline Settings

4.8.1 Function

Hot Line Setting allows dialing to a pre-setted number automatically as long as pick up the phone. **2FXS provides Hot Line**

4.8.2 Instruction

Figure Hot Line Setting

Hot line Setting

You could set the hot line in this page.

Use Hot Line : Enable Disable

Hot line number:

Use Hot Line	Default: Disable. When setting Enable, as long as pick up the phone, it will dial to the pre-setted phone number automatically.
Hot line Number	Input hot line number, can be IP Address or Phone Numbers, numerals or signs are both acceptable. Maximum length is 63 bytes. E.g. IP Address: 192.168.1.23 or Phone Number: 0800024365. Maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.8.3 Operate Instruction

Example 1: Register Account or Input Hot Line Number.

Step 1: On the main page, select [Feature→ HotLine Setting], enter [HotLine Setting] page, after revising information (e.g. Use Hot Line: Enable, Hot Line number: 22062) (See Figure 1), then click [Submit].

Hot line Setting

You could set the hot line in this page.

Use Hot Line : Enable Disable

Hot line number:

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After restarted the system and pick up the phone, it will dial to [22062] automatically.

Example 2: Dial to another IP Address directly.

Step 1: On the main page, select [Feature→ Hotline Setting], enter [Hotline Setting] page, after revising information (e.g. Use Hot Line: Enable, Hot Line number: 22062) (See Figure 2), then click [Submit].

Hot line Setting

You could set the hot line in this page.

Use Hot Line : Enable Disable

Hot line number:

(Figure 2)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After restarted the system and pick up the phone, it will dial to IP Address [192.168.1.206] automatically.

4.9 Alarm Settings

4.9.1 Function

Alarm Settings provides the alarm function.

4.9.2 Instruction

Figure Alarm Setting

Alarm Settings

You could set the alarm time in this page.

Alarm: ON OFF

Alarm Time: : (hh:mm)

Current time: 2006-10-05 17:47

Alarm	Default: OFF. When setting ON, alarm function will execute. Duration is 1 minute. Stop the alarm by pick up the handset.
Alarm Time	Default: 0:0. (0 hour: 0 Minute). Time format: 24 Hours.(hh:mm)
Current time	Show the alarm time of the next time. Format 2006-10-05 17:47
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

4.9.3 Operate Instruction

Step 1: On the main page, select [Feature→ Alarm Setting], enter [Alarm Setting] page, after revising information (e.g. Alarm: On, Alarm Time: 12:59) (See Figure 1), then click [Submit].

Alarm Settings

You could set the alarm time in this page.

Alarm: ON OFF

Alarm Time: : (hh:mm)

Current time: 2007-02-11 12:25

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: At 12:59, the alarm will start to work, and last 1min. After 1 min, the alarm will stop. During ringing, pick up the phone, the alarm will stop automatically.

Chapter 5. Network Setting

Provides Network Status, WAN Setting, LAN Setting, DDNS Setting, VLAN Setting, DMZ Setting, Virtual Server, PPTP Setting, SNTP Setting.

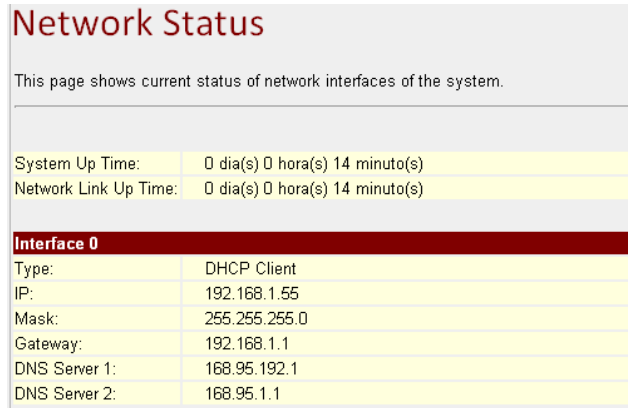
5.1 Status

5.1.1 Function

Network Status shows the current network status.

5.1.2 Instruction

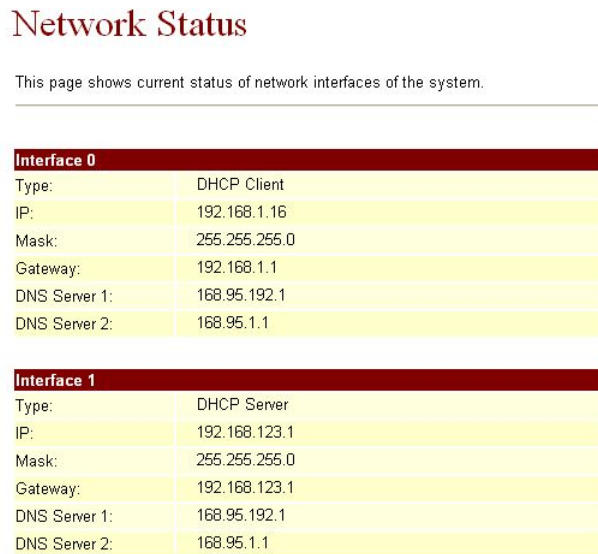
Figure Network Status (Bridge Mode)



(Figure 1)

Interface 0	Show the current status of Interface 0(WAN Port)
System Up Time	Show the system up time.
Network Link Up Time:	Show the network link up time.
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

Figure Network Status (NAT Mode)



(Figure 2)

Interface 0	Show the current status of Interface 0(WAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.
Interface 1	Show the current status of Interface 1(LAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.

Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

Figure Network Status (NAT + PPTP Mode)

Network Status

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

Interface 0	
Type:	PPPoE Client
IP:	61.228.185.58
Mask:	255.0.0.0
Gateway:	59.112.64.254
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

Interface 1	
Type:	DHCP Server
IP:	192.168.123.1
Mask:	255.255.255.0
Gateway:	192.168.123.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

Interface 2	
Type:	Fixed IP Client PPPoE
IP:	192.168.96.242
Mask:	255.255.255.0
Gateway:	192.168.96.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

(Figure 3)

Interface 0	Show the current status of Interface 0(WAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.
Interface 1	Show the current status of Interface 1(LAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.
Interface 1	Show the current status of Interface 2(WAN Port)
Type	Show the current Type.
IP	Show the current IP Address.
Mask	Show the current Subnet Mask IP Address.
Gateway	Show current Default Gateway IP Address.
DNS Server1	Show current DNS Server 1 IP Address.
DNS Server2	Show current DNS Server 2 IP Address.

5.1.3 Operate Instruction

Step 1: On the main page, select [Network Setting→Network Status], enter [Network Status] page, Network Status will be seen (Figure 1).

Network Status

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

Interface 0	
Type:	DHCP Client
IP:	192.168.1.16
Mask:	255.255.255.0
Gateway:	192.168.1.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

Interface 1	
Type:	DHCP Server
IP:	192.168.123.1
Mask:	255.255.255.0
Gateway:	192.168.123.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

(Figure 1)

5.2 WAN Settings

5.2.1 Function

WAN Settings provide WAN Setting.

5.2.2 Instruction

Figure WAN Setting

WAN Settings

You could configure the WAN settings in this page.

LAN Mode: Bridge NAT

WAN Setting

IP Type: Fixed IP DHCP Client PPPoE

IP:

Mask:

Gateway:

DNS Type: Fixed Auto

DNS Server1:

DNS Server2:

MAC:

Host Name:

PPPoE Setting

User Name:

Password:

Service Name:

AC Name:

LAN Mode

Default: NAT. NAT is different from WAN; LAN will dispatch IP to DHCP Server automatically. When Bridge is on, WAN & LAN can be at the same subnet.

WAN Setting	Provide the WAN setting
IP Type	Default: DHCP Client, provides Fixed IP, gains IP Address automatically. PPPoE: ADSL Dialing number.
IP	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.
Mask	Default: current Subnet Mask IP Address. Format: xxx.xxx.xxx.xxx. Or change Sunbet Mask IP. Maximum length is 15 bytes.
Gateway	Default: current gateway IP address; or change Gateway IP. . Maximum length is 15 bytes.
DNS Server1	Default: 168.95.192.1. Can input IP or Domain Name, format: xxx.xxx.xxx.xxx. If would like to gain DHCP or PPPoE Server automatically, please fill this blank as "0.0.0.0". Maximum length is 15 bytes.
DNS Server2	Default: 168.95.1.1. Can input IP or Domain Name, format: xxx.xxx.xxx.xxx. If would like to gain DHCP or PPPoE Server automatically, please fill this blank as "0.0.0.0". . Maximum length is 15 bytes.
MAC	Show MAC ID Address. . Maximum length is 12 bytes.
Host Name	Default: product name. Numbers or strings are both acceptable. Length: 15 bytes.
PPPoE Setting	Provides PPPoE Setting.
User Name	Provides user's name of PPPoE Server, can be numbers or strings. Length: 63 bytes.
Password	Provides password of PPPoE Server, can be numbers or strings. Length: 63 bytes.
Service Name	Maximum length is 63 bytes.
AC Name	Input AC Name of PPPoE Server, can be numbers or strings. Length:63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.2.3 Operate Instruction

Step 1: On the main page, select [Network Setting→WAN Setting], enter [WAN Settings] page, after revising information (e.g. IP Type: DHCP Client) (See Figure 1), then click [Submit].

WAN Settings

You could configure the WAN settings in this page.

LAN Mode: Bridge NAT

WAN Setting

IP Type: Fixed IP DHCP Client PPPoE

IP:

Mask:

Gateway:

DNS Server1:

DNS Server2:

MAC:

Host Name:

PPPoE Setting

User Name:

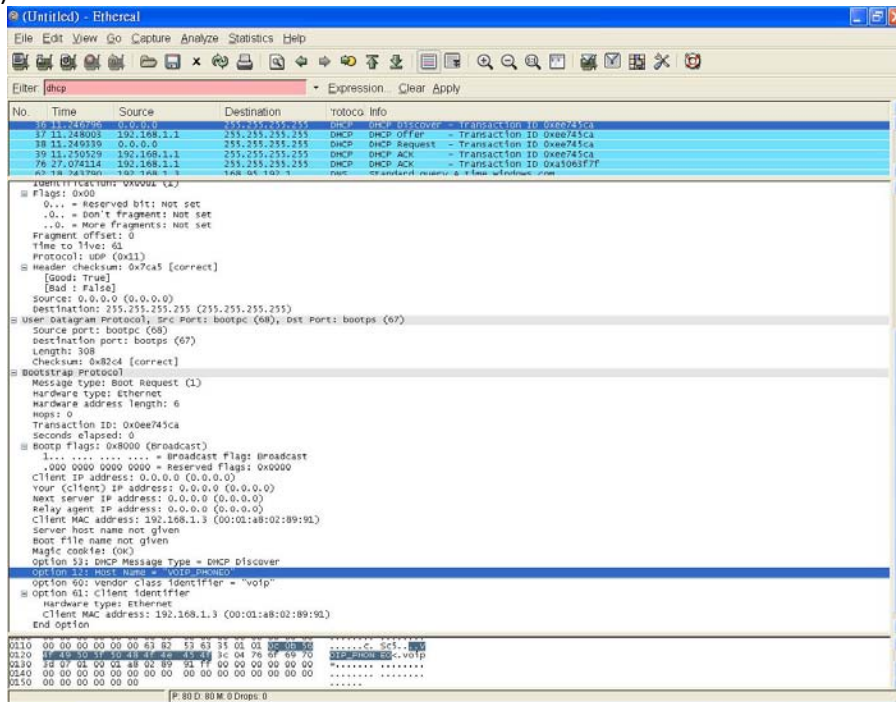
Password:

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: To view [Host Name] by Ethereal. Please refer [Option 12Host Name= “VOIP Phone”] as follows (See Figure 2)



(Figure 2)

5.3 LAN Settings

5.3.1 Function

LAN Settings provide LAN setting, including DHCP Server function.

5.3.2 Instruction

Figure LAN Setting

LAN Settings

You could configure the LAN settings in this page.

LAN Setting	
IP:	<input type="text" value="192.168.123.1"/>
Mask:	<input type="text" value="255.255.255.0"/>
MAC:	<input type="text" value="000926002b92"/>
DHCP Server	
DHCP Server:	<input checked="" type="radio"/> On <input type="radio"/> Off
Start IP:	<input type="text" value="150"/>
End IP:	<input type="text" value="200"/>
Lease Time:	<input type="text" value="1"/> : <input type="text" value="0"/> (dd:hh)
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

LAN Setting	Provides LAN Setting.
-------------	-----------------------

IP	Default: 192.168.123.1. Format: xxx.xxx.xxx.xxx. Maximum length is 15 bytes.
Mask	Default: 255.255.255.0 provides Subnet Mask IP Address. Format: xxx.xxx.xxx.xxx. Maximum length is 15 bytes.
MAC	Show MAC Address information. Maximum length is 12 bytes.
DHCP Server	Provides DHCP Server information.
DHCP Server	Default: OFF. When setting ON, DHCP Server will run automatically.
Start IP	Default: 150, to set Start IP information. From (1~254). Maximum length is 3 bytes.
End IP	Default: 200, to set End IP information. From (1~254). Maximum length is 3 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 Operate Instruction

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

LAN Settings

You could configure the LAN settings in this page.

The screenshot shows the LAN Settings page with the following configuration:

- LAN Setting:**
 - IP: 192.168.200.1
 - Mask: 255.255.255.0
 - MAC: 00059e81b227
- DHCP Server:**
 - DHCP Server: On Off
 - Start IP: 50
 - End IP: 100
 - Lease Time: 0 : 05 (dd:hh)

Buttons: [Submit] [Reset]

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

5.4 DDNS settings

5.4.1 Function

DDNS Settings provide the floating IP information. 3 DDNS Servers information will be found.

5.4.2 Instruction

Figure DDNS Setting

DDNS Settings

You could set the configuration of DDNS in this page.

DDNS: On Off

Host Name:

User Name:

Password:

E-mail Address:

DDNS Server:

DDNS Server List:

Type:

Wild Card:

BACKMX: On Off

Off Line: On Off

DDNS	Default: OFF. When setting ON, DDNS will come into run.
Host name	Maximum length is 63 bytes. Input Host name, can be IP Address or Domain Name. Format: xxx.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 63 bytes. Input DDNS Server, can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Maximum length is 63 bytes.
DDNS Server List	Default: OFF. Display DDNS server's name list information. Provide user input, members.dyndns.org, www.dtdns.com , ddns.com.cn
Type	Default: dyndns. 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 provider can provide Wild Card, so any issue about this, please contact with your provider.
BACKMX	Default: OFF. When setting ON, BACKMAX will come into run. Not all DNS provider can provide this service, so any issue about this, please contact with 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 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 Operate Instruction

Example 1: Using WWW.DYNDNS.COM

Step 1: On the main page, select [Network Setting → DDNS Setting], enter [DDNS Settings] page, after revising information (e.g. DDNS: On, Host Name: totoro609.hotmeftp.org, User Name: totoro609, Password: totoro609, E-mail Address: totoro609@hotmail.com, DDNS Server: www.dyndns.com, DDNS Server List: User Input, Type: dyndns, Wild Card: on, BACKMX: off, Off Line: off) (See Figure 1), then click [Submit].

DDNS Settings

You could set the configuration of DDNS in this page.

DDNS: On Off

Host Name:

User Name:

Password:

E-mail Address:

DDNS Server:

DDNS Server List:

Type:

Wild Card:

BACKMX: On Off

Off Line: On Off

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Open DynDNS to view new IP Address of DDNS: totoro609.hotmeftp.org. e.g.: 220.136.197.74 (Figure 2)

DynDNS Logged in User: **totoro609**
[My Services](#) - [My Cart](#) - [Settings](#) - [Log Out](#)

About Services Account Support News

Using our free services? Consider purchasing an [Account Upgrade](#).

Dynamic DNSSM Hosts [Add Host](#) - [Bulk Update](#)

Hostname	Last Updated	IP in Database/DNS	
totoro609.dyndns.info	Wed Jul 12 02:45:38 2006	220.135.187.63	Details
totoro609.dyndns.org	Tue Aug 1 00:11:34 2006	61.228.181.33	Details
totoro609.dyndns.tv	Wed Jul 12 02:38:03 2006	220.135.187.63	Details
totoro609.hotmeftp.org	Fri Jul 28 05:58:50 2006	220.136.197.94	Details
totoro609.hotmail.us	Wed Aug 9 08:39:25 2006	219.86.36.136	Details

My Account
My Services
Account Upgrades
Mail/Pop Outbound
Recursive DNS
SLA
Premier Support
My Zones
Add Zone Services
My Hosts
Add Host Services
Dynamic DNS
Static DNS
Web/Pop
MyWeb/Pop
Network Monitoring
SSL Certificates
Renew Services
Auto Renew Settings
Sync Expirations
Account Settings
Billing
My Cart
0 Items
Search DynDNS

(Figure 2)

Example 2: Using WWW.DDNS.CN

Step 1: On the main page, select [Network Setting→ DDNS Setting], enter [DDNS Settings] page, after revising information (e.g. DDNS: On, Host Name: totorocmi.ddns.com.cn, User Name: totorocmi, Password: totoro609, E-mail Address: totoro609@hotmail.com, DDNS Server List: ddns.com.cn, Type: dyndns, Wild Card: on, BACKMX: off, Off Line: off) (See Figure 1), then click [Submit].

DDNS Settings

You could set the configuration of DDNS in this page.

DDNS: On Off

Host Name:

User Name:

Password:

E-mail Address:

DDNS Server:

DDNS Server List:

Type:

Wild Card:

BACKMX: On Off

Off Line: On Off

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Open DtDNS page to view Host Name: totorocmi, and renew IP Address (Figure 4).

◆◆ User Host info: one data in all

Host name	Domain name	Status	Agency	Start from	End on	Last updated IP	Last updated time
totorocmi	Ddns.com.cn	Normal	On trial	2006-11-14	2006-11-29		

(Figure 4)

Example 3: Using WWW.DtDNS.CN

Step 1: On the main page, select [Network Setting→ DDNS Setting], enter [DDNS Settings] page, after revising information (e.g. DDNS: On, Host Name: totorocmi.dtdns.com.cn, User Name: totorocmi, Password: totoro609, E-mail Address: totoro609@hotmail.com, DDNS Server List: dtdns.com.cn, Type: dyndns, Wild Card: on, BACKMX: off, Off Line: off) (See Figure 5), then click [Submit].

DDNS Settings

You could set the configuration of DDNS in this page.

DDNS: On Off

Host Name:

User Name:

Password:

E-mail Address:

DDNS Server:

DDNS Server List:

Type:

Wild Card:

BACKMX: On Off

Off Line: On Off

(Figure 5)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Open DtDNS page to view the new IP Address of Hostname: totorocmi. E.g.: 61.228.184.142 (Figure 6)



(Figure 6)

5.4.4 How to apply DDNS

Please refer file: APN_DDNS

5.5 VLAN Settings

5.5.1 Function

VLAN Settings provide Clinet information of WAN and VLAN information of LAN. **Need to work with VLAN Router.**

5.5.2 Instruction

Figure VLAN Setting

VLAN Settings

You could set the VLAN settings in this page.

VLAN Packets:	<input type="radio"/> On	<input checked="" type="radio"/> Off
VID (802.1Q/TAG):	<input type="text" value="136"/>	(2 ~ 4094)
User Priority (802.1P):	<input type="text" value="0"/>	(0 ~ 7)
CFI:	<input type="text" value="0"/>	(0 ~ 1)

NAT VLAN Setting		
VLAN Packets:	<input type="radio"/> On	<input checked="" type="radio"/> Off
VID1:	<input type="text" value="4"/>	(2 ~ 4094), 0->Off
VID2:	<input type="text" value="5"/>	(2 ~ 4094), 0->Off
VID3:	<input type="text" value="6"/>	(2 ~ 4094), 0->Off
VID4:	<input type="text" value="7"/>	(2 ~ 4094), 0->Off

VLAN Packets	Default: OFF. When setting ON, receiving VALN Packets function will be started.
VID	Default: 136. Provide Virtual LAN ID (VLAN or VID) for VLAN Server. Data range: 2~4097. 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: 1. 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 Operate Instruction

Step 1: On the main page, select [Network Setting→VLAN Setting], enter [VLAN Setting] page, after revising information (e.g. VLAN Packets: on, VID (802.1Q/TAG): 124, User Priority (802.1P):0, CFGI: 0) (See Figure 1), then click [Submit].

VLAN Settings

You could set the VLAN settings in this page.

VLAN Packets:	<input checked="" type="radio"/> On	<input type="radio"/> Off
VID (802.1Q/TAG):	<input type="text" value="124"/>	(2 ~ 4094)
User Priority (802.1P):	<input type="text" value="0"/>	(0 ~ 7)
CFI:	<input type="text" value="0"/>	(0 ~ 1)

NAT VLAN Setting		
VLAN Packets:	<input checked="" type="radio"/> On	<input type="radio"/> Off
VID1:	<input type="text" value="4"/>	(2 ~ 4094), 0->Off
VID2:	<input type="text" value="5"/>	(2 ~ 4094), 0->Off
VID3:	<input type="text" value="6"/>	(2 ~ 4094), 0->Off
VID4:	<input type="text" value="7"/>	(2 ~ 4094), 0->Off

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

5.6 DMZ Setting

5.6.1 Function

DMZ Setting provides DMZ data.

5.6.2 Instruction

Figure DMZ Setting

DMZ Setting

You could configure your demilitarized zone setting in this page.

DMZ: On Off

DMZ Host IP:

DMZ	Default: OFF. When setting 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.xxx. Length: 15 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change

5.6.3 Instruction

Step 1: On the main page, select [Network Setting→DMZ Setting], enter [DMZ Setting] page, after revising tone information (Figure 1), then click [Submit].

DMZ Setting

You could configure your demilitarized zone setting in this page.

DMZ: On Off

DMZ Host IP:

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

5.7 Virtual Server

5.7.1 Function

Virtual Server Settings provides 24 sets of Virtual Server information.

5.7.2 Instruction

Figure Virtual Server Setting

Virtual Server Page	Default: Page 1. Page 1~Page 3 is available.
Num	Show the Number. Setting Range: (0~23). 24 entries in total.
Enable	Show the status. Default: Disable. When setting Enable, this function will be started.
Protocol	Protocol: use tcp or udp
In Port	Show the address of In Port.
Ex Port	Show the address of Ex Port.
Server IP	Show 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	Map 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 Operate Instruction

Step 1: On the main page, select [Network Setting→Virtual Setting], enter [Virtual Setting] page, after revising information (Num: 0, Server IP: 192.168.123.5, Protocol: TCP, Internal Port: 80, External Port: 80) (See Figure 1), then click [Submit].

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 Telnet [TCP 23].

Virtual Server Page: page 1

Num	Enable	Protocol	In Port	Ex Port	Server IP	Select
0	<input type="checkbox"/>					<input type="checkbox"/>
1	<input type="checkbox"/>					<input type="checkbox"/>
2	<input type="checkbox"/>					<input type="checkbox"/>
3	<input type="checkbox"/>					<input type="checkbox"/>
4	<input type="checkbox"/>					<input type="checkbox"/>
5	<input type="checkbox"/>					<input type="checkbox"/>
6	<input type="checkbox"/>					<input type="checkbox"/>
7	<input type="checkbox"/>					<input type="checkbox"/>

Enable Selected Delete Selected Delete All Reset

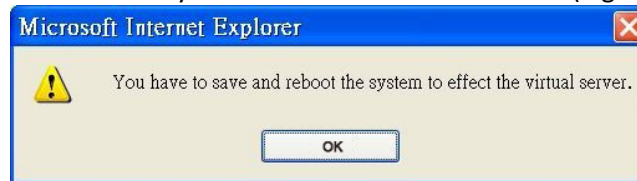
Add Virtual Server

Num: 0 (0~23)
 Server IP: 192.168.123.5
 Protocol: TCP
 Internal Port: 80 External Port: 80

Add Server Reset

(Figure 1)

Step 2: You have to save and reboot the system or effect the virtual server (Figure 2)



(Figure 2)

Step 3: After adding all information, please save changing (Figure 3).

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 Telnet [TCP 23].

Virtual Server Page:

Num	Enable	Protocol	In Port	Ex Port	Server IP	Select
0	<input checked="" type="checkbox"/>	TCP	80	80	192.168.123.5	<input type="checkbox"/>
1	<input type="checkbox"/>					<input type="checkbox"/>
2	<input type="checkbox"/>					<input type="checkbox"/>
3	<input type="checkbox"/>					<input type="checkbox"/>
4	<input type="checkbox"/>					<input type="checkbox"/>
5	<input type="checkbox"/>					<input type="checkbox"/>
6	<input type="checkbox"/>					<input type="checkbox"/>
7	<input type="checkbox"/>					<input type="checkbox"/>

Add Virtual Server

Num: (0~23)

Server IP:

Protocol:

Internal Port: External Port:

(Figure 3)

Step 4: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

5.8 PPTP Settings

5.8.1 Function

PPTP Settings provide PPTP Server information.

Please use LAN to enter PPTP.

5.8.2 Instruction

Figure PPTP Setting

PPTP Settings

You could set the PPTP server in this page.

PPTP: On Off

PPTP Server:

PPTP Username:

PPTP Password:

PPTP	Default: OFF. When setting ON, start PPTP function.
PPTP Server	Input PPTP Server information, can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx. Maximum length is 63 bytes.
PPTP Username	Input PPTP Server user's name, can be numerals or strings. Maximum length is 63 bytes.

PPTP Password	Input PPTP password, can be numerals or strings. Maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

5.8.3 Operate Instruction

Step 1: On the main page, select [Network Setting→ Network Setting→PPTP Setting], enter [PPTP Setting] page, after revising tone information (Figure 1), then click [Submit].

PPTP Settings

You could set the PPTP server in this page.

PPTP: On Off

PPTP Server:

PPTP Username:

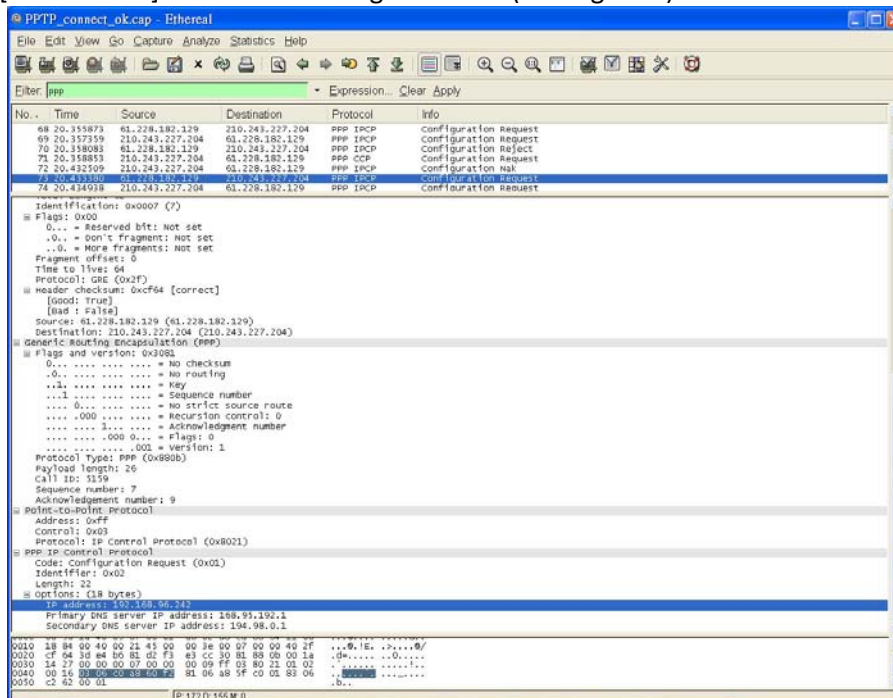
PPTP Password:

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: To view [PPTP Server] information though Ethereal (See Figure 2)



(Figure 2)

Step 5: After getting PPTP Server information, and would like to view data information though WEB, LAN Port [http://192.168.123.1:9999] is needed (Figure 3).

Network Status

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

Interface 0	
Type:	PPPoE Client
IP:	61.228.185.58
Mask:	255.0.0.0
Gateway:	59.112.64.254
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1
Interface 1	
Type:	DHCP Server
IP:	192.168.123.1
Mask:	255.255.255.0
Gateway:	192.168.123.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1
Interface 2	
Type:	Fixed IP Client PPPoE
IP:	192.168.96.242
Mask:	255.255.255.0
Gateway:	192.168.96.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

(Figure 3)

5.9 SNTP Setting

5.9.1 5.9.1Function

SNTP Setting can provide the website of time setting for the server.

5.9.2 5.9.2Instruction

Figure SNTP Setting

SNTP Settings

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

SNTP: On Off

Primary Server:

Secondary Server:

Time Zone: GMT (hh:mm)

Sync. Time: (dd:hh:mm)

Daylight Saving: On Off

DST Offset:

DST Start Date:

Day of Month

Week of Month

Sun

Start Time:

DST End Date:

Day of Month

Week of Month

Sun

End Time:

SNTP	When setting ON, the SNTP is on; and when setting OFF, the SNTP is off.
Primary Server	Default: time.windows.com; Can input IP or Domain Name, format is

	xxx.xxx.xxx.xxx; and the maximum length is 63 digits.
Secondary Server	Default: 208.184.49.9; can input IP or Domain Name, format is xxx.xxx.xxx.xxx; and the maximum length is 63 digits.
Time Zone	Default: GMT + 10:00 (hh:mm), and the format is (+/-, hh:mm) . . . Maximum length is 2 bytes.
Sync. Time	Default: 1:00:00 (dd:hh:mm), it will check the time with the Server every other days, format: (dd:hh:mm) . . . Maximum length is 2 bytes.
Daylight Saving	Default: off. It inactivate the Daylight Saving. When setting “On”, it would activate it.
DST offset	Choose the offset time, range is from -2 to +2.
DST Start Date	Choose DST start date
DST End Date	Choose DST end date
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Operate Instruction

Step 1: On the main page, select [Network Setting→SNTP Setting], enter [SNTP Setting] page, after revising all information (e.g. SNTP: on, Primary Server: 208.184.49.9, Secondary Server: time.windows.com, Time Zone: GMT+08:00, Sync. Time: 00:12:00) (See Figure 1), then click [Submit].

SNTP Settings

You could set the SNTP servers in this page.

SNTP: On Off

Primary Server:

Secondary Server:

Time Zone: GMT (hh:mm)

Sync. Time: (dd:hh:mm)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Chapter 6. SIP Settings

Provides Service Domain, Port Settings, Code Settings, Codec ID Settings, DTMF Settings ,RPort Settings, Stun Settings, Other Settings.

6.1 Profile(Service Domain) Settings

6.1.1 Function

Service Domain provides 3 entries information and status.

6.1.2 Instruction

Figure Service Domain Setting

Service Domain Settings

You could set information of service domains in this page.

Realm 1 (Default)	
Active:	<input type="radio"/> On <input checked="" type="radio"/> Off
Display Name:	<input type="text"/>
User Name:	<input type="text"/>
Register Name:	<input type="text"/>
Register Password:	<input type="text"/>
Domain Server:	<input type="text"/>
Proxy Server:	<input type="text"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWI:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered

Realm 2	
Active:	<input type="radio"/> On <input checked="" type="radio"/> Off
Display Name:	<input type="text"/>
User Name:	<input type="text"/>
Register Name:	<input type="text"/>
Register Password:	<input type="text"/>
Domain Server:	<input type="text"/>
Proxy Server:	<input type="text"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWI:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered

Realm 3	
Active:	<input type="radio"/> On <input checked="" type="radio"/> Off
Display Name:	<input type="text"/>
User Name:	<input type="text"/>
Register Name:	<input type="text"/>
Register Password:	<input type="text"/>
Domain Server:	<input type="text"/>
Proxy Server:	<input type="text"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWI:	<input checked="" type="radio"/> On <input type="radio"/> Off
Status:	Not Registered

Realm 1 (Default)	Default: Realm1. Please press "1*" and hang up the phone when transfer to the 1 st register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function

	Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 2	The 2 nd register account. Please press "2*" and hang up the phone when transfer to the 2 nd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 3	The 3 rd register account. Please press "3*" and hang up the phone when transfer to the 3 rd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)

Figure Service Domain Setting (2FXS only)

Service Domain Settings

You could set information of service domains in this page.

Phone No.:

Realm 1 (Default)

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

Realm 2

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

Realm 3

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

(Figure 2)

Service Domain Settings

You could set information of service domains in this page.

Phone No.:

Realm 1 (Default)

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

Realm 2

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

Realm 3

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

(Figure 3)

Phone No	Default: Phone 1. Please choose mode: Phone 1 or Phone 2.
Realm 1 (Default)	The 1st register account. Please press "1*" and hang up the phone when transfer to the 1st register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format:

	xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 2	The 2 nd register account. Please press "2*" and hang up the phone when transfer to the 2 nd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)
Realm 3	The 3 rd register account. Please press "3*" and hang up the phone when transfer to the 3 rd register number.
Active	Default: OFF. When setting ON, register account will be active.
Display Name	Display name. Can be numerals or strings. Maximum length: 31 bytes.
User Name	Display user's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Name	Display Register's name. Can be numerals or strings. Maximum length: 31 bytes.
Register Password	Please input register password, can be numerals or strings. Maximum length: 31 bytes.
Domain Server	Input Domain Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Proxy Server	Input Proxy Server information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Outbound Proxy	Input Outbound Proxy information. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx ; Maximum length is 63 bytes. If special Port Address is needed, please add it, e.g.: nat.voiptalk.org:5065
Subscribe of MWI	Subscribe for MWI function Your Register SIP Proxy server must support this function.
Status	Not Register (failed.) Register (Successfully.)

6.1.3 Instruction

Example 1: Register SIP Proxy Port number: 5065

Step 1: On the main page, select [SIP Settings→ Service Domain], enter [Service Domain Settings] page, after revising the information (e.g.: Active: On , Display Name: 888641273 , User Name: 888641273 , Register Name: 888641273 , Register Password: 1234 , Domain Server: voiptalk.org , Proxy Server: voiptalk.org , Outbound Proxy: nat.voiptalk.org:5065 , Subscribe of MWI: off) (See Figure 1), then click [Submit].

Service Domain Settings

You could set information of service domains in this page.

Realm 1 (Default)	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	<input type="text" value="888641273"/>
User Name:	<input type="text" value="888641273"/>
Register Name:	<input type="text" value="888641273"/>
Register Password:	<input type="password" value="•••••"/>
Domain Server:	<input type="text" value="voiptalk.org"/>
Proxy Server:	<input type="text" value="voiptalk.org"/>
Outbound Proxy:	<input type="text" value="nat.voiptalk.org:5065"/>
Subscribe for MWI:	<input checked="" type="radio"/> On <input type="radio"/> Off
Status:	Registered

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Back page [Service Domain Settings], and notice the register name (Figure 2), then click [Submit]

Service Domain Settings

You could set information of service domains in this page.

Realm 1 (Default)	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	<input type="text" value="888641273"/>
User Name:	<input type="text" value="888641273"/>
Register Name:	<input type="text" value="888641273"/>
Register Password:	<input type="password" value="•••••"/>
Domain Server:	<input type="text" value="voiptalk.org"/>
Proxy Server:	<input type="text" value="voiptalk.org"/>
Outbound Proxy:	<input type="text" value="nat.voiptalk.org:5065"/>
Subscribe for MWI:	<input checked="" type="radio"/> On <input type="radio"/> Off
Status:	Registered

(Figure 2)

Example 2: Start Subscribe for MWI

Step 1: On the main page, select [SIP Settings→ Service Domain], enter [Service Domain Settings] page, start Subscribe for MWI, (e.g.: Subscribe for MWI: on), then click [Submit] (Figure 3).

Service Domain Settings

You could set information of service domains in this page.

Realm 1 (Default)	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	888641273
User Name:	888641273
Register Name:	888641273
Register Password:	●●●●●●
Domain Server:	voiptalk.org
Proxy Server:	voiptalk.org
Outbound Proxy:	nat.voiptalk.org:5065
Subscribe for MWI:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered
Realm 2	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	9000000310
User Name:	9000000310
Register Name:	9000000310
Register Password:	●●●●●●●●
Domain Server:	sip.peercall.com
Proxy Server:	sip.peercall.com
Outbound Proxy:	sip.peercall.com
Subscribe for MWI:	<input checked="" type="radio"/> On <input type="radio"/> Off
Status:	Not Registered

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After rebooting the system, and call to another equipment, please check the [Ethereal] and [Request: Subscribe] information (Figure 4).

The screenshot shows a network capture in Wireshark. The main pane lists several SIP packets. Packet 12 is highlighted, showing a SIP REGISTER request from 210.62.149.22 to 210.62.149.61. The packet details pane shows the following structure:

```

Request-Line: SUBSCRIBE sip:9000000310.62.149.61;transport=UDP SIP/2.0
Method: SUBSCRIBE
[Request Packet: false]
Message header
Via: SIP/2.0/UDP 210.62.149.22:5060;branch=z9hG4bK91a923047777;cs:rport
Max-Forward: 70
To: 221 <sip:221@210.62.149.61>
SIP-From: 221
SIP-to-address: sip:221@210.62.149.61
From: 221 <sip:221@210.62.149.61>;tag=211d2094
SIP-From: 221
SIP-from-address: sip:221@210.62.149.61
SIP-tag: 211d2094
Call-ID: fffff3caffff00ffff941ff302e0210.62.149.22
CSeq: 1509406118 SUBSCRIBE
Accept: application/simple-message-summary
Contact: <sip:221@210.62.149.22:5060;transport=UDP>
Contact: <sip:221@210.62.149.22:5060;transport=UDP>
URI: <sip:221@210.62.149.22:5060;transport=UDP>
SIP-contact-address: sip:221@210.62.149.22:5060
Expires: 300
User-Agent: ZMT sip-fus
Event: message-summary
Content-Length: 0
  
```

(Figure 4)

6.2 Port Settings (SIP and RTP Setting)

6.2.1 Function

Port Settings provide SIP and RTP port number information.

6.2.2 Instruction

Figure Port Setting

Port Settings

You could set the port number in this page.

SIP Port: (0~65533) (Set 0 for auto, range as bellow)

RTP Port: (0~65533) (Set 0 for auto, range as bellow)

SIP Port Range: ~ (1024~40000)

RTP Port Range: ~ (1024~40000)

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	Enter SIP Port Range, from 1024 to 40000
RTP Port Range	Enter RTP Port Range, from 1024 to 40000
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

(Figure 1)

Figure Port Setting (2FXS only)

Port Settings

You could set the port number in this page.

SIP Port of Phone1: (10~65533)

RTP Port of Phone1: (10~65533)

SIP Port of Phone2: (10~65533)

RTP Port of Phone2: (10~65533)

SIP Port of Phone1	Default: 5060; Display the SIP Port of Phone 1. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
RTP Port of Phone1	Default: 60000; Display the RTP Port of Phone 1. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
SIP Port of Phon2	Default: 5062; Display the SIP Port of Phone 2. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
RTP Port of Phon2	Default: 60100; Display the RTP Port of Phone 2. Only numerals are accepted, data range (10~65533). Maximum length: 5 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.2.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→ Port Settings], enter [Port Settings] page, after revising the information (e.g.: SIP Port: 5060 , RTP Port: 6000) (See Figure 1) then click [Submit].

Port Settings

You could set the port number in this page.

SIP Port: (10~65533)
 RTP Port: (10~65533)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

6.3 Codec Settings

6.3.1 Function

Code Settings provide Codec priority, RTP Packet Length, Voice VAD function..**iLBC and G.723 cannot exist at the same time.**

6.3.2 Instruction

Figure Codec ID Setting

Codec Settings

You could set the codec settings in this page.

Codec Priority

Codec Priority 1:
 Codec Priority 2:
 Codec Priority 3:
 Codec Priority 4:
 Codec Priority 5:
 Codec Priority 6:
 Codec Priority 7:
 Codec Priority 8:
 Codec Priority 9:

RTP Packet Length

G.711 & G.729:
 iLBC:

Voice VAD

Voice VAD: On Off

Codec Priority	Set the Codec Priority.
Codec Priority 1	Default: G.711 a-law; Codec Priority 1. Provides No used, G.711u-law , G.711a-law , G.279 , G.726–16 , G.726–24 , G.726–32 , G.726–40 , GSM mode.
Codec Priority 2	Default: G.711u-law; Codec Priority 2.
Codec Priority 3	Default: G729 ; Codec Priority 3.
Codec Priority 4	Default: iLBC ; Codec Priority 4.
Codec Priority 5	Default: G.726-16 ; Codec Priority 5.

Codec Priority 6	Default: G.726-24 ; Codec Priority 6.
Codec Priority 7	Default: G.726-32 ; Codec Priority 7.
Codec Priority 8	Default: G.726-40 ; Codec Priority 8.
Codec Priority 9	Default: GSM ; Codec Priority 9.
RTP Packet Length	Provides RTP Packet Length information.
G.711 & G.729	Default: 40 ms ; G.711 & G.729 Packet length. Provides 10ms , 20ms , 30ms , 40ms , 50ms , 60ms , 70ms , 80ms , 90ms mode.
G.723	Default: 30 ms ; G.723 Packet Length. Provides 30ms , 60ms , 90ms mode.
G.723 5.3K	Provide G.723 5.3K information.
Voice VAD	Default: Off ; G.723 5.3K function. When setting ON, 5.3K function will be active. Provides ON and OFF mode.
Voice VAD	Provide Voice VAD information.
Voice VAD	Default: OFF. When setting ON, (Voice Active Detection. VAD) will be active, provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Codec ID Setting (iLBC only)

Codec Priority	Provide the Codec Priority.
Codec Priority 1	Default: G.711 a-law ; Codec Priority 1. Provides No used , G.711u-law , G.711a-law , GSM , G.279 , G.726–16 , G.726–24 , G.726–32 , G.726–40 , iLBC mode.
Codec Priority 2	Default: G.711u-law ; Codec Priority 2.
Codec Priority 3	Default: G.729 ; Codec Priority 3.
Codec Priority 4	Default: ; iLBC ;Codec Priority 4.
Codec Priority 5	Default: G.726-16 ; Codec Priority 5.
Codec Priority 6	Default: G.726-24 ; Codec Priority 6.
Codec Priority 7	Default: G.726-32 ; Codec Priority 7.
Codec Priority 8	Default: G.726-40 ; Codec Priority 8.
Codec Priority 9	Default:GSM ; Codec Priority 9.
RTP Packet Length	Provides RTP Packet Length information.
G.711 & G.729	Default: 40 ms ; G.711 & G.729 Packet Length .Provides 10ms , 20ms , 30ms , 40ms , 50ms , 60ms , 70ms , 80ms , 90ms mode.

iLBC	Default: 30 ms ; iLBC Packet Length; provides 20ms and 30ms mode.
Voice VAD	Provide Voice VAD information.
Voice VAD	Default: OFF. When setting ON, (Voice Active Detection. VAD) will be active, provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.3.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→ Code Settings], enter [Code Settings] page, after revising the information (e.g.: Codec Priority 1: G.711a-law , Priority2: G.711u-law , Priority 3: G.729 , 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 & G.279: 40ms , iLBC: 30ms , Voice VAD: on) (See Figure 1), click [Submit].

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

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

6.4 Codec ID Settings

6.4.1 Function

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

6.4.2 Instruction

Figure Codec ID Setting

Codec ID Setting

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

Codec Type	ID	Default Value
G726-16 ID:	<input type="text" value="23"/> (95~255)	<input checked="" type="checkbox"/> 23
G726-24 ID:	<input type="text" value="22"/> (95~255)	<input checked="" type="checkbox"/> 22
G726-32 ID:	<input type="text" value="2"/> (95~255)	<input checked="" type="checkbox"/> 2
G726-40 ID:	<input type="text" value="21"/> (95~255)	<input checked="" type="checkbox"/> 21
RFC 2833 ID:	<input type="text" value="101"/> (95~255)	<input checked="" type="checkbox"/> 101

Codec Type	Display the value of Codec ID information. Provides G726-16 , G726-24 , G726-32 , G726-40 , RFC2833 , 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.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Codec ID Setting (iLBC only)

Codec ID Setting

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

Codec Type	ID	Default Value
G726-16 ID:	<input type="text" value="23"/> (95~255)	<input checked="" type="checkbox"/> 23
G726-24 ID:	<input type="text" value="22"/> (95~255)	<input checked="" type="checkbox"/> 22
G726-32 ID:	<input type="text" value="2"/> (95~255)	<input checked="" type="checkbox"/> 2
G726-40 ID:	<input type="text" value="21"/> (95~255)	<input checked="" type="checkbox"/> 21
RFC 2833 ID:	<input type="text" value="101"/> (95~255)	<input checked="" type="checkbox"/> 101
iLBC ID:	<input type="text" value="97"/> (95~255)	<input checked="" type="checkbox"/> 97

Codec Type	Display the value of Codec ID information. Provides G726-16 , G726-24 ,
------------	---

	G726-32 , G726-40 , RFC2833 , 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.

6.4.3 Operate Instruction

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

Codec ID Setting

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

Codec Type	ID	Default Value
G726-16 ID:	<input type="text" value="23"/> (95~255)	<input checked="" type="checkbox"/> 23
G726-24 ID:	<input type="text" value="22"/> (95~255)	<input checked="" type="checkbox"/> 22
G726-32 ID:	<input type="text" value="2"/> (95~255)	<input checked="" type="checkbox"/> 2
G726-40 ID:	<input type="text" value="21"/> (95~255)	<input checked="" type="checkbox"/> 21
RFC 2833 ID:	<input type="text" value="96"/> (95~255)	<input type="checkbox"/> 101
iLBC ID:	<input type="text" value="97"/> (95~255)	<input checked="" type="checkbox"/> 97

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

6.5 DTMF Settings

6.5.1 Function

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

6.5.2 Instruction

Figure DTMF Setting

DTMF Setting

You could set the DTMF setting in this page.

- RFC 2833
 Inband DTMF
 Send DTMF SIP Info

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.

6.5.3 Operate Instruction

Example1: RFC2833

Step 1: On the main page, select [SIP Settings→DTMF Settings], enter [DTMF Setting] page, after revising the information (e.g.: RFC2833) (See Figure 1), click [Submit].

DTMF Setting

You could set the DTMF setting in this page.

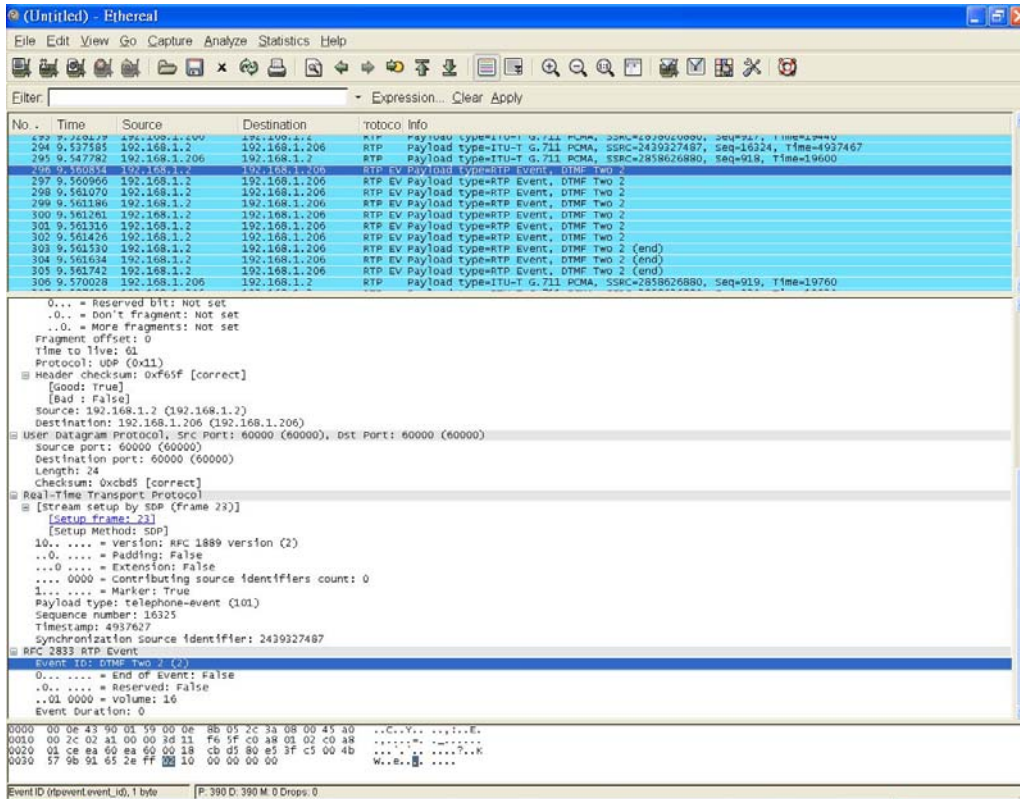
- RFC 2833
 Inband DTMF
 Send DTMF SIP Info

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step: 4 After rebooting, call to another equipment, and press DTMF (e.g.:222); please check [Ethereal] Packet and [RTP EV , Payload Type=RTP Event , DTMF xx] column (See Figure 2)



(Figure 2)

Example2: InBand DTMF

Step 1: On the main page, select [SIP Settings→DTMF Settings], enter [DTMF Setting] page, after revising the information (e.g.: InBand DTMF) (See Figure 3), click [Submit].

DTMF Setting

You could set the DTMF setting in this page.

- RFC 2833
- Inband DTMF
- Send DTMF SIP Info

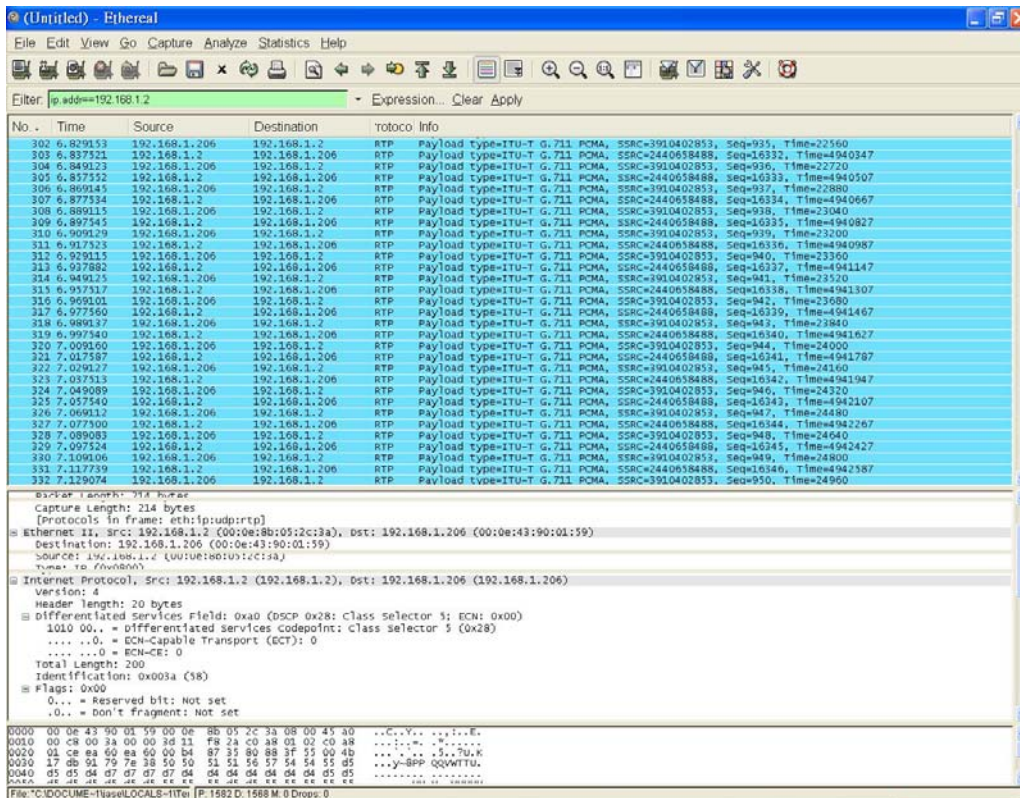
[Submit] [Reset]

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, call to another equipment, press DTMF (e.g.: 222); please check [Ethereal] Packet; because of [In-Band] mode, nothing will be found in the Packet (Figure 4).



(Figure 4)

Example3: Send DTMF SIP Info

Step 1: On the main page, select [SIP Settings→DTMF Settings], enter [DTMF Setting] page, after revising the information (e.g.: Send DTMF SIP info) (See Figure 5), click [Submit].

DTMF Setting

You could set the DTMF setting in this page.

- RFC 2833
- Inband DTMF
- Send DTMF SIP Info

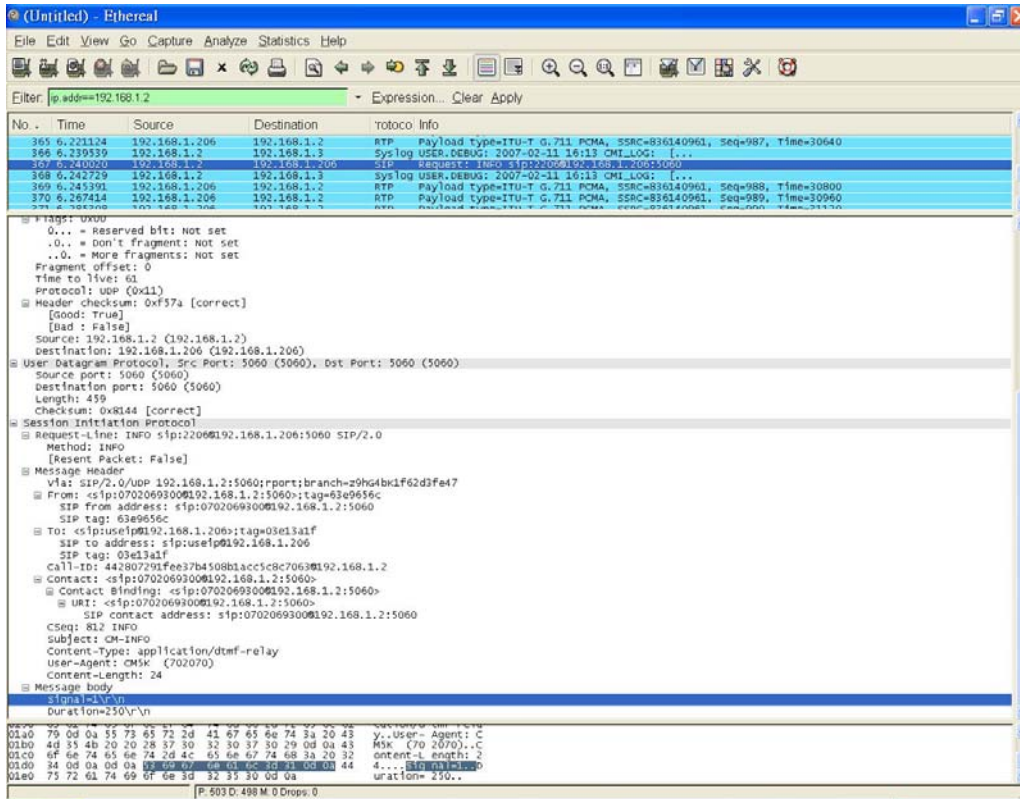
[Submit] [Reset]

(Figure 5)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, call to another equipment, and press DTMF (e.g.:111); please check [Ethereal] Packet and [SIP , Request: INFO SIP: xxxx] column (See Figure 6)



(Figure 6)

6.6 RPort Settings

6.6.1 Function

RPort Setting provides RPort Setting.

6.6.2 Instruction

Figure RPort Setting

RPort Setting

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

RPort: On Off

RPort	Default: On. When setting ON, RPort settings will be active. Provides ON and OFF modes
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure RPort Setting (2FXS only)

RPort Setting

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

RPort of Phone1: On Off
 RPort of Phone2: On Off

RPort of Phone 1	Default: On. When setting ON, RPort settings will be active. Provides ON and OFF modes
RPort of Phone 2	Default: On. When setting ON, RPort settings will be active. Provides ON and OFF modes
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.6.3 Operate Instruction

Step 1: On the main page, select [SIP Settings→RPort Settings], enter [RPort Setting] page, after revising the information (e.g.: RPort: on) (See Figure 1), click [Submit].

RPort Setting

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

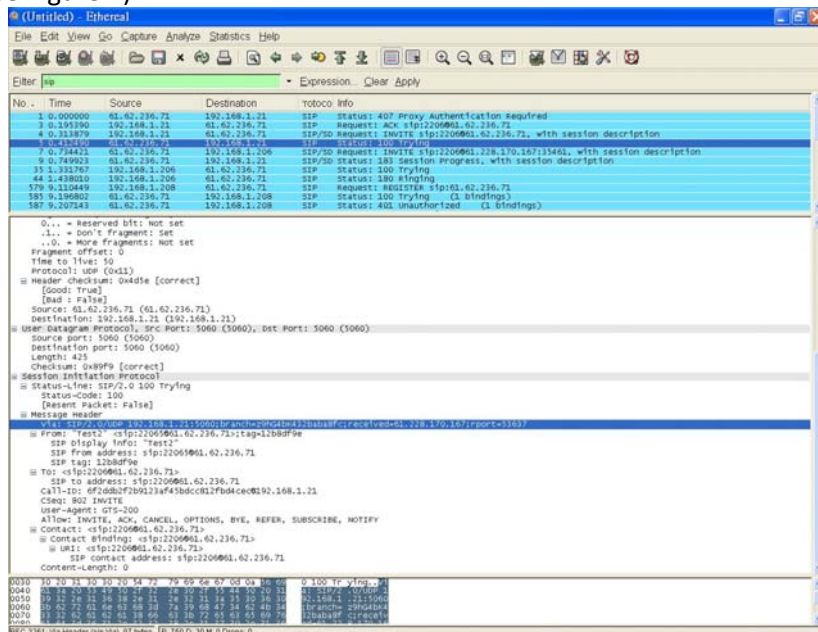
RPort: On Off

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step: 4 After rebooting, and call to another equipment, please check [Ethereal] Packet and [Message Hearer] which tag with “received” and “rport” in “Via” column, that is used for recording IP Address and Port Number (See Figure 2).



(Figure 2)

6.7 STUN Settings

6.7.1 Function

STUN Settings could set the IP of STUN Server information.

6.7.2 Instruction

Figure STUN Setting

STUN Setting

You could set the IP of STUN server in this page.

STUN: On Off

STUN Server:

STUN Port: (80~65535)

Force Public IP: On Off

Public IP address:

Port: (80~65535)

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

6.7.3 Operate Instruction

Step 1: On the main page, select [SIP settings. → STUN Settings], enter [STUN Setting] page, after revising the information (e.g.: STUN: On › STUN Server: stun.xten.com › STUN Port: 3478) (See Figure 1), click [Submit].

STUN Setting

You could set the IP of STUN server in this page.

STUN: On Off

STUN Server:

STUN Port: (80~65535)

Force Public IP: On Off

Public IP address:

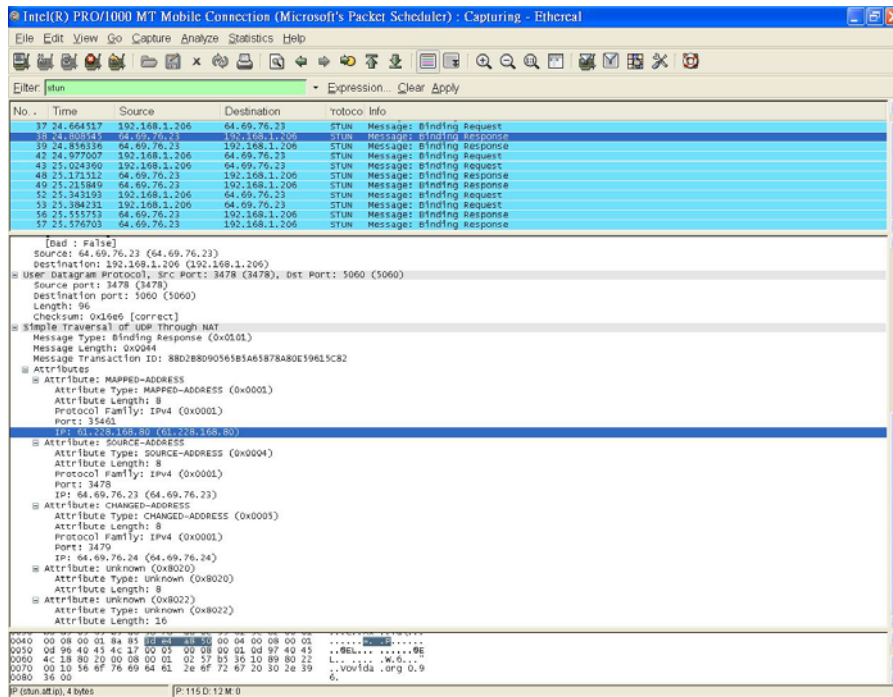
Port: (80~65535)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: Please check [Ethereal] Packet, information that sent to STUN Server will be seen (See Figure 2)



(Figure 2)

6.8 Other Settings

6.8.1 Function

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

6.8.2 Instruction

Figure Other Setting

Other Settings

You could set other settings in this page.

Hold by RFC:	<input type="radio"/> On <input checked="" type="radio"/> Off
Voice QoS (Diff-Serv):	40 (0~63)
SIP QoS (Diff-Serv):	40 (0~63)
SIP Expire Time:	60 (30~86400 sec)
Use DNS SRV:	<input type="radio"/> On <input checked="" type="radio"/> Off

(Figure 1)

Hold by RFC	Default: Off. When setting ON, Hold by RFC function will be active. Provides ON and OFF mode.
Voice QoS (Diff-Serv)	Default: 40; Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP QoS (Diff-Serv)	Default: 40 ; Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.

SIP Expire Time	Default: 60 ; Only numerals are accepted. Data range: (30~86400 sec). Maximum length is 5 bytes.
Use DNS SRV	When setting ON, DNS SRV will be used to search host information. Provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Other Setting (2FXS only)

Other Settings

You could set other settings in this page.

Hold by RFC of Phone1: On Off

Hold by RFC of Phone2: On Off

Voice QoS (Diff-Serv): (0~63)

SIP QoS (Diff-Serv): (0~63)

SIP Expire Time: (15~86400 sec)

(Figure 2)

Hold by RFC of Phone1	Default: Off. When setting ON, Hold by RFC of phone 1 will be active. Provides ON and OFF modes.
Hold by RFC of Phone2	Default: Off. When setting ON, Hold by RFC of phone 2 will be active. Provides ON and OFF modes.
Voice QoS (Diff-Serv)	Default: 40 ; Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP QoS (Diff-Serv)	Default: 40 ; Only numerals are accepted. Data range: (0~63). Maximum length is 2 bytes.
SIP Expire Time	Default: 60 ; Only numerals are accepted. Data range: (15~86400 sec). Maximum length is 5 bytes.
Use DNS SRV	When setting ON, DNS SRV will be used to search host information. Provides ON and OFF mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

6.8.3 Operate Instruction

Example1: Start Hold by RFC

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

Other Settings

You could set other settings in this page.

Hold by RFC: On Off

Voice QoS (Diff-Serv): (0~63)

SIP QoS (Diff-Serv): (0~63)

SIP Expire Time: (15~86400 sec)

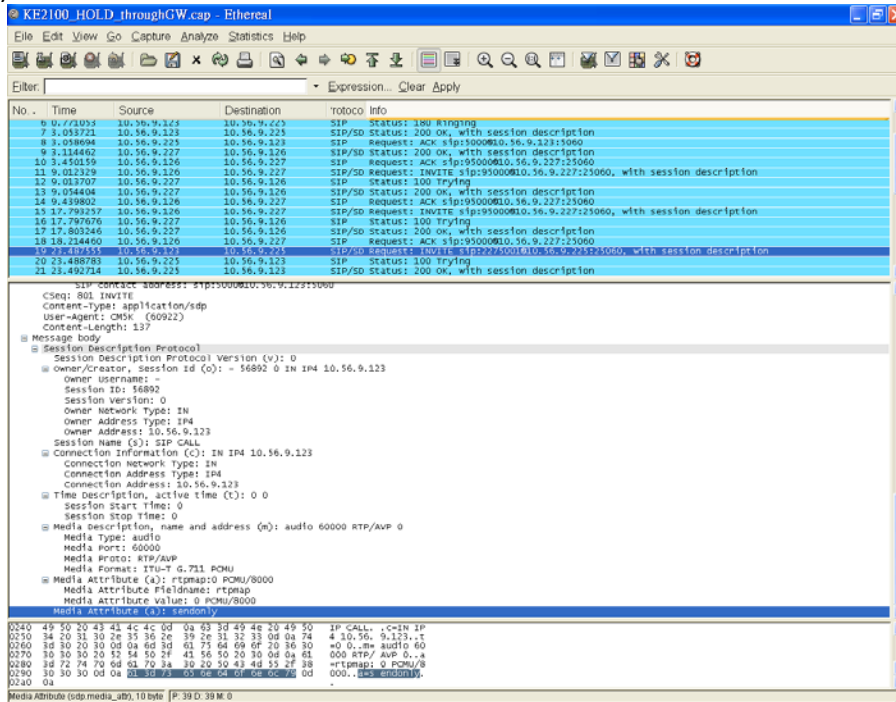
Use DNS SRV: On Off

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

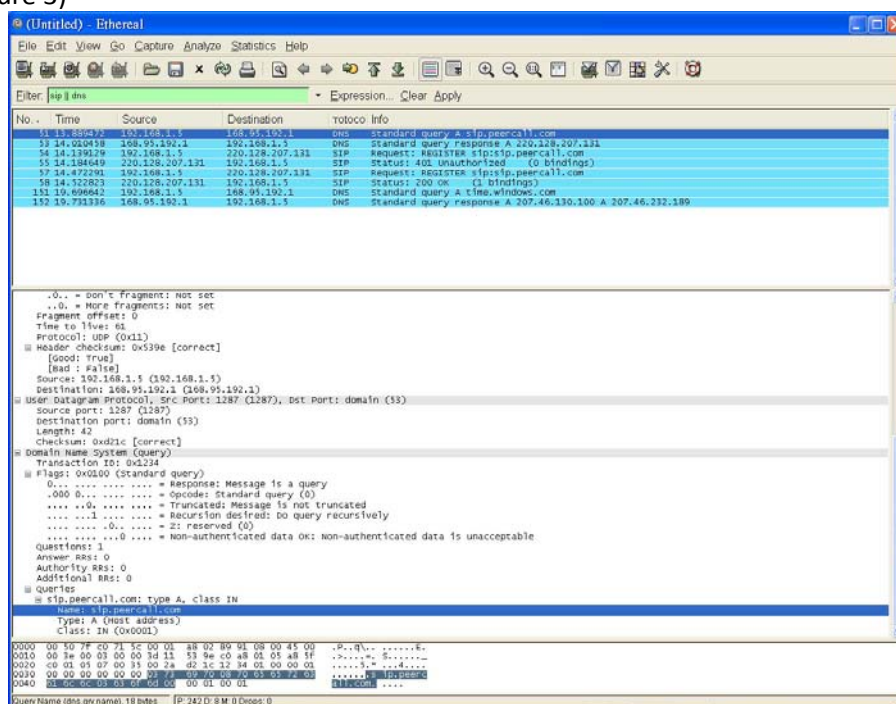
Step 4: After rebooting, and call to another equipment, press [Flash], hold this call. Hold function change to “sendonly” even. Please refer to the following picture, column [[Media Attribute (a): sendonly] (See Figure 2)



(Figure 2)

Example2: Without Use DNS SRV

Step 1: Please check [Ethereal] Packet and [Standard query response A 220.128.207.131] Packet information (See Figure 3)



(Figure 3)

Example3: Using User DNS SRV

Step 1: On the main page, select [SIP Settings→Other Settings], enter [Other Settings] page, after revising the information (e.g.: Used DNS SRV: on) (See Figure 4), click [Submit].

Other Settings

You could set other settings in this page.

Hold by RFC: On Off

Voice QoS (Diff-Serv): (0~63)

SIP QoS (Diff-Serv): (0~63)

SIP Expire Time: (15~86400 sec)

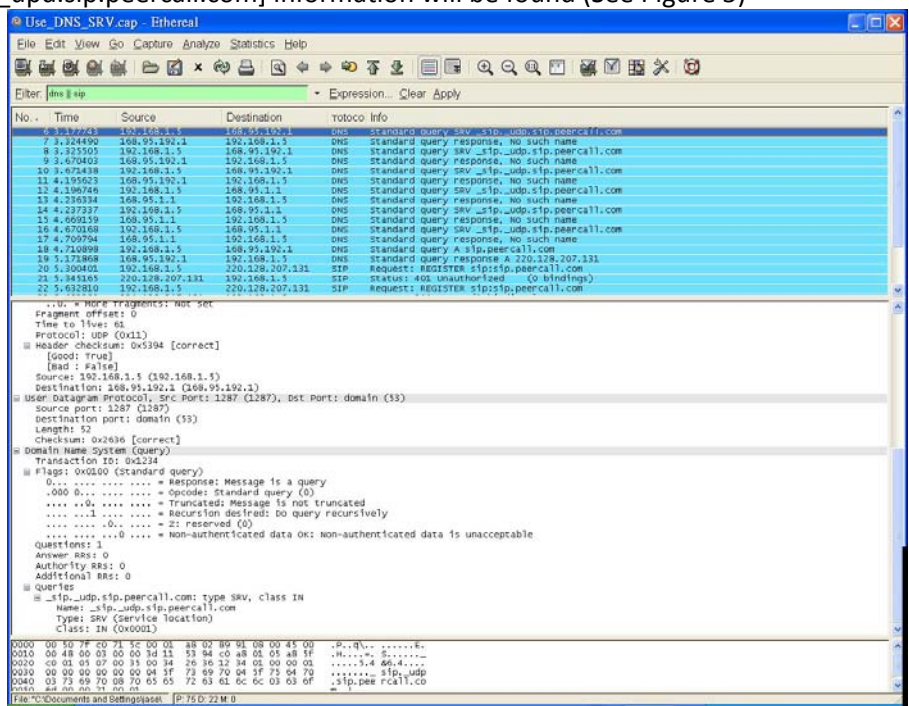
Use DNS SRV: On Off

(Figure 4)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: Please check [Ethereal] and [Standard query] column, [Standard query SRV_sip_upd.sip.peercall.com] information will be found (See Figure 5)



(Figure 5)

Chapter 7. System

7.1 Authentication

Provides System Authentication, Auto Config., FXS/ FXO/ FXS & FXO Port Setting, MAC Clone Setting, Tones Settings, Advanced Settings, Log setting, Auto Answer, Dial Plan Settings information

7.1.1 Function

System Authority provides 3 entries login username/ password information.

7.1.2 Instruction

Figure Save Change

New username	Input new username. Can be Numerals or strings, maximum length is 63 bytes.
New password	Input new password. Can be Numerals or strings, maximum length is 63 bytes.
Confirmed password	Input new password. Can be Numerals or strings, maximum length is 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

7.1.3 NOTICE:

- Superuser: Only using it when cannot login in the system by other login account. Superuser's account cannot be changed. MAC Address can be changed.
- Default Account: superuser, Default Password: 1234321.
- Administrator: Can set only one account information.
- Default Account: root, Default Password: test.
- System: 5 accounts information are available. When using this account, the following page cannot be open: [Auto Configuration, Tone Setting, Auto Update]
 - Default Account: system Default Password: test.
- Normal User: 5 accounts information are available. When using this account, the following page cannot be open: [SIP Settings[including Service Domain, Port Settings, Code Settings, Codec ID Settings, DTMF Settings, RPort Settings, Other Settings], Auto Configuration, Tone Setting, Auto Update, Default Setting] etc.
 - Default Account: user, Default Password: test.

7.1.4 Operate Instruction

Step 1: On the main page, select [System.], enter [System Authority] page, after revising the information (e.g.: New User Name: totoro, New Password: 123456, Confirmed Password: 123456), click [Submit] (See Figure 1)

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

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

7.2 Auto Config

7.2.1 Function

Auto Configuration Setting allows connecting with the host computer and down loading related information and renew the information by TFTP, FTP or HTTP modes.

7.2.2 Instruction

Figure Auto Configuration Setting

Auto Configuration	Default: Off; When TFTP is setting ON, the version will be renewed automatically by using TFTP, FTP pr HTTP modes.
2 Steps configuration	Default: No: When setting Yes, the 1 steps configuration is set.
Server auto discover	Default: Disabled. Could choose to enable DHCP Option or Broadcasting
TFTP Server	Input TFTP Address. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
TFTP File Path	Input TFTP Path E.g.: 123/; can be numerals or strings. Maximum length: 63 bytes.
HTTP Server	Input HTTP Address. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
HTTP File Path	Input HTTP Path E.g.: 123/; can be numerals or strings. Maximum length: 63 bytes.
FTP Server	Input FTP Address. Can be IP Address or Domain Name. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
FTP Username	Input FTP Username. Can be numerals or strings. Maximum length: 63 bytes.

FTP Password	Input FTP Password. Can be numerals or strings. Maximum length: 63 bytes.
FTP File Path	Input File Path. E.g.: 123/; can be numerals or strings. Maximum length: 63 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

7.2.3 Operate Instruction

Example1: Adopt HTTP to renew. (Please build up Auto Configuration file.)

Step 1: On the main page, select [System→Auto Config], enter [Auto Configuration Setting] page, after revising the information (e.g.: Auto Configuration: HTTP, HTTP Server: 192.168.1.50, HTTP Path: /file/) (See Figure 1), click [Submit] and save change.

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, it will connect to the file in HTTP Server, and searching the fit information. After renew all information, the system will be rebooting again. Then please login to check it (See Figure 2).

Service Domain Settings

You could set information of service domains in this page.

Phone No.:

Realm 1 (Default)	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	<input type="text" value="UN_DO"/>
User Name:	<input type="text" value="105"/>
Register Name:	<input type="text" value="105"/>
Register Password:	<input type="password" value="..."/>
Domain Server:	<input type="text" value="192.168.1.50"/>
Proxy Server:	<input type="text" value="192.168.1.50"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWL:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered

(Figure 2)

Example2: Using FTP to renew. (Please build up Auto Configuration file.)

Step 1: On the main page, select [System→Auto Config], enter [Auto Configuration Setting] page, after revising the information (e.g.: Auto Configuration: FTP, FTP Server192.168.1.150, FTP Username: test, FTP Password: test, File Path: /file/) (See Figure 3), click [Submit] and save change.

Auto Configuration Setting

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

Auto configuration: Off TFTP FTP HTTP

2 Steps configuration:

Server auto discover:

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:

Next config time:

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, it will connect to the file in FTP Server, and searching the fit information. After renew all information, the system will be rebooting again. Then please login to check it (See Figure 4)

Service Domain Settings

You could set information of service domains in this page.

Phone No.:

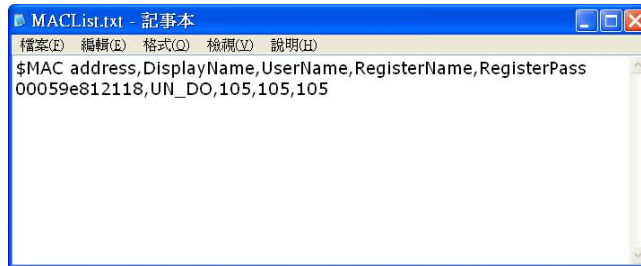
Realm 1 (Default)	
Active:	<input checked="" type="radio"/> On <input type="radio"/> Off
Display Name:	<input type="text" value="UN_DO"/>
User Name:	<input type="text" value="105"/>
Register Name:	<input type="text" value="105"/>
Register Password:	<input type="password" value="..."/>
Domain Server:	<input type="text" value="192.168.1.50"/>
Proxy Server:	<input type="text" value="192.168.1.50"/>
Outbound Proxy:	<input type="text"/>
Subscribe for MWL:	<input type="radio"/> On <input checked="" type="radio"/> Off
Status:	Not Registered

(Figure 4)

7.2.4 Build Auto Configuration file

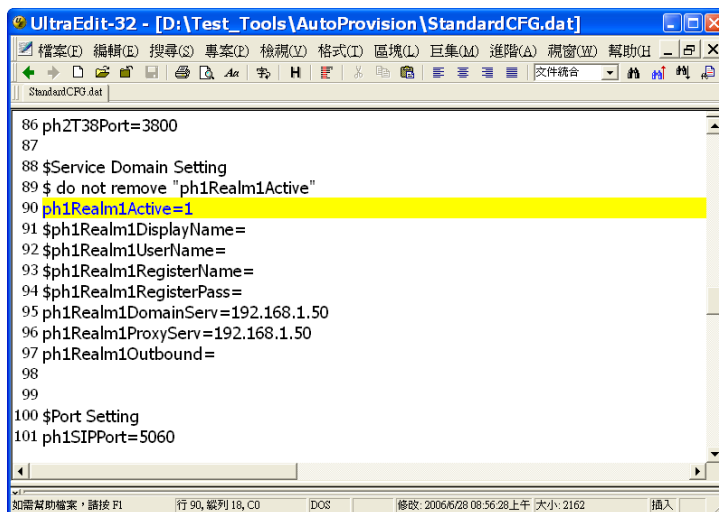
Example1: Build one entry encode formation

Step 1: Open file [MAList.txt], input [MAC Address, Display Name, User Name, Register Name, Register Pass] one by one. (E.g.: 00059e812118, UN_DO, 105, 105, 105), then save (See Figure 1)



(Figure 1)

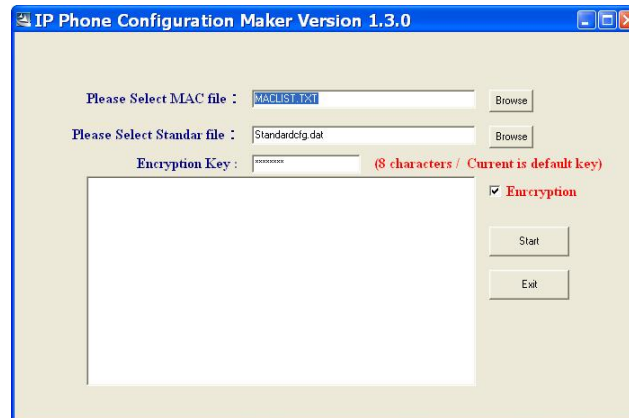
Step 2: Open file [StandardCFG.dat], after revising the information, (e.g. ph1Realm1DomainServer= 192.168.1.50, ph1Realm1DomainServer=192.168.1.50), then save (See Figure 2)



(Figure 2)

Step3: Start file [MakeMACF.exe], select [Please Select MAC File: MAList.txt], Please Select

Standard File: StandardCFG.dat, Encryption Key: Hello123 (default), choose: Encryption] press [Start] (See Figure 3).

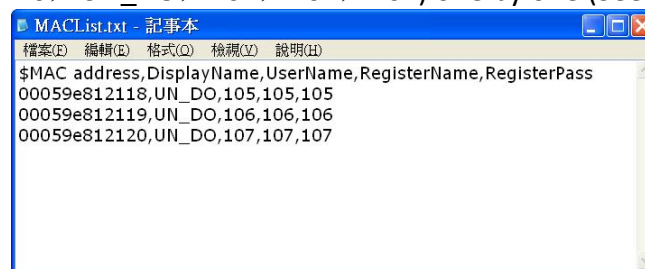


(Figure 3)

Step 4: The encoded file: [00059e812118.dat] will be found, please place it to the appointed path in [HTTP or FTP or TFTP Host Computer]

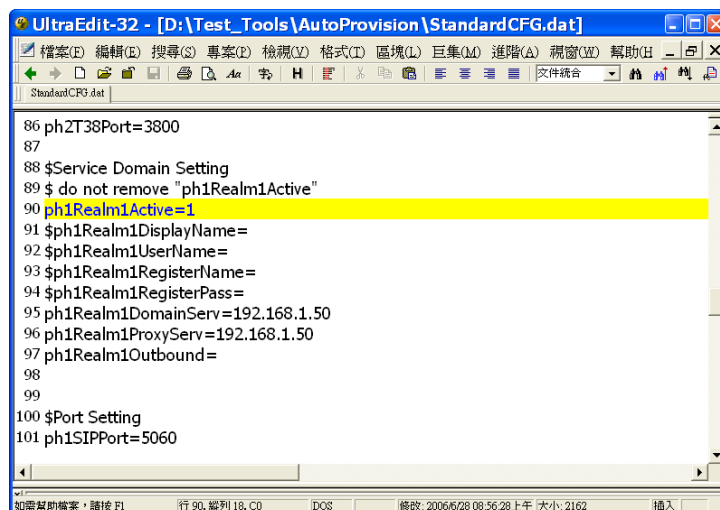
Example2: Build lots entries encode formation

Step1: Open file [MACList.txt], input [MAC Address, Display Name, User Name, Register Name, Register Pass](e.g.: 00059e812118, UN_DO, 105, 105, 105, 00059e812119, UN_DO, 106, 106, 106, 00059e812120, UN_DO, 107, 107, 107) one by one (See Figure 4).



(Figure 4)

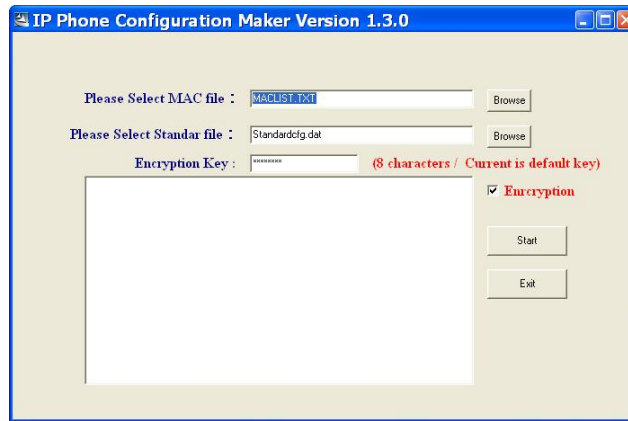
Step2: Open file [StandardCFG.dat], after revising the information (E.g.: ph1Realm1DomainServer=192.168.1.50, ph1Realm1DomainServer=192.168.1.50), then save (See Figure 5).



(Figure 5)

Step3: Start file [MakeMACF.exe], select [Please Select MAC File: MACList.txt, Please Select Standard File: StandardCFG.dat, Encryption Key: Hello123 (default), select Encryption], press

Start. (e.g.:Picture6).



(Figure 6)

Step4: [00059e812118.dat, 00059e812119.dat, 00059e812120.dat] will be found, please place it to the appointed path in [HTTP or FTP or TFTP Host Computer].

7.3 FXS/ FXO & FXS/FXO Port Settings

7.3.1 Function

FXS/ FXO & FXS/ FXO Impedance Setting display the FXS & FXO Impedance of the analog telephone by different countries.

7.3.2 Instruction

Figure FXS Impedance Setting (FXS only)

FXS Impedance Setting

You could select the FXS impedance of the analog telephone by different country in this page.

FXS Port:

(Figure 1)

FXS Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure FXO & FXS Impedance Setting (FXS + FXO only)

FXO & FXS Impedance Setting

You could select the FXO & FXS impedance of the analog telephone by different country in this page.

FXO Port:
 FXS Port:

(Figure 2)

FXS Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
----------	--

FXO Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure FXO Impedence Setting (Phone + FXO only)

FXO Impedence Setting

You could select the FXO impedance of the analog telephone by different country in this page.

FXO Port:

(Figure 3)

FXO Port	Default: USA. To select FXS & FXO Port impedance of the analog telephone by different.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

7.3.3 Operate Instruction

Step 1: On the main page, select [System→FXO Settings], enter [FXO Impedence Setting] page, after revising the information (e.g.: FXO Port: Thailand) (Figure 1), click [Submit].

FXS Impedence Setting

You could select the FXS impedance of the analog telephone by different country in this page.

FXS Port:

- USA
- Luxembourg
- Macao
- Malaysia
- Mexico
- Morocco
- Netherlands
- New Zealand
- Norway
- Oman
- Peru
- Philippines
- Poland
- Portugal
- Romania
- Russia
- Saudi Arabia
- Singapore
- Slovakia
- Slovenia
- South Africa
- South Korea
- Spain
- Sweden
- Switzerland
- Taiwan
- TBR21
- Thailand
- UAE
- United Kingdom
- USA

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the

saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

7.4 MAC Clone Setting

7.4.1 Function

You could enable / disable the MAC Clone setting.

7.4.2 Instruction

Figure MAC Clone Setting (VoIP Gateway only)

MAC Clone Setting

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

MAC Clone: On Off

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

7.4.3 Operate Instruction

Step 1: Please make sure that LAN Mode is NAT Mode, and your PC is connected to LAN Port, and using LAN to enter page: (<http://192.168.123.1:9999>)

Step 2: On the main page, select [System→MAC Clone Setting], enter [MAC Clone Setting] page, after revising the information (e.g.: MAC Clone: on) (See Figure 1), click [Submit].

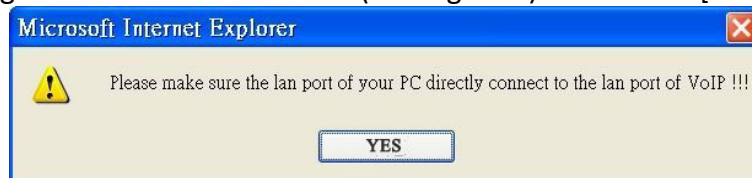
MAC Clone Setting

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

MAC Clone: On Off

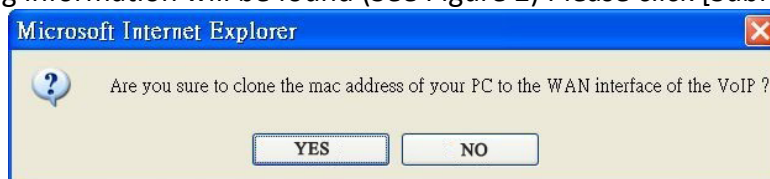
(Figure 1)

Step 3: The following information will be found (See Figure 2) Please click [Submit].



(Figure 2)

Step4: The following information will be found (See Figure 2) Please click [Submit].



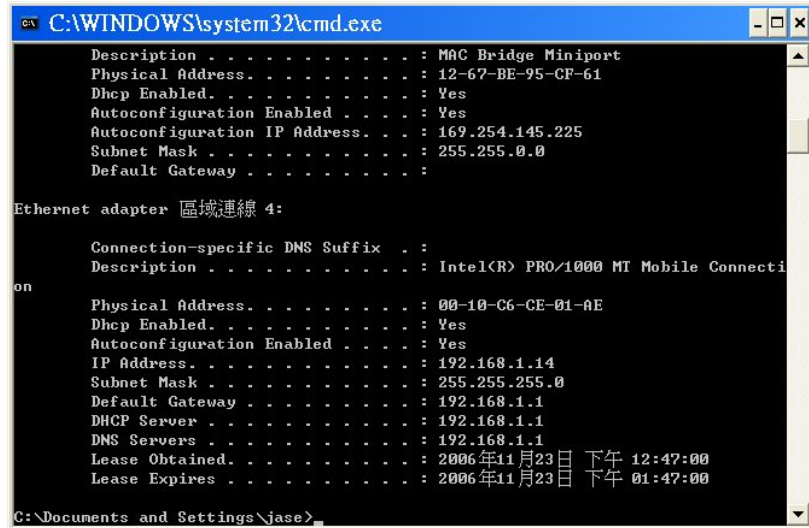
(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Example7: Enter the main page, select [Network→WAN Settings], please copy your PC's [MAC] Address to WAN Port.

Example8: Your PC's MAC Address is: Physical Address: 00-10-C6-CE-01-AE (See Figure 4).



(Figure 4)

7.4.4 NOTE!

When setting MAC Clone function, make sure that: LAN Mode: NAT Mode. If Bridge Mode is ON, it cannot work.

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

7.5 Tones Settings

7.5.1 Function

Tones Settings provide Dial Tone, Ring Back Tone, Busy Tone, Congestion Tone, Ring Tone, Call Waiting Tone information. High Tone and Low Tone are available.

7.5.2 Instruction

Figure Tones Setting

Tones Settings

You could configure your tones settings in this page.

	Dial Tone	Ring Back Tone	Busy Tone	Congestion Tone	Ring Tone	Call Waiting Tone
Cadence On:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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.
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: 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: 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.
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.
Busy Tone	Setting the Busy Tone information.
Cadence On	Default: Enable.
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: 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: 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 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.
Congestion Tone	Setting the Congestion Tone information.
Cadence On	Default: Enable.
Hi-Tone Freq	Default: 620; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Freq	Default:480; Only numerals are acceptable. Data range: (0~99999). Maximum 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: 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: 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.
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.
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 length: 5 bytes.
Hi-Tone Gain	Default: 2261; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
Lo-Tone Gain	Default: 1130; Only numerals are acceptable. Data range: (0~99999). Maximum length: 5 bytes.
On Time 1	Default: 20; 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.
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.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

7.5.3 Operate Instruction

Step 1: On the main page, select [System→Tones Settings], enter [Tones Settings] page, after revising the information, click [Submit] (See Figure 1).

Tones Settings

You could configure your tones settings in this page.

	Dial Tone	Ring Back Tone	Busy Tone	Congestion Tone	Ring Tone	Call Waiting Tone
Cadence On:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hi-Tone Freq.:	<input type="text" value="425"/>	<input type="text" value="425"/>	<input type="text" value="425"/>	<input type="text" value="620"/>	<input type="text" value="425"/>	<input type="text" value="440"/>
Lo-Tone Freq.:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="480"/>	<input type="text" value="0"/>	<input type="text" value="350"/>
Hi-Tone Gain:	<input type="text" value="4522"/>	<input type="text" value="2261"/>	<input type="text" value="2261"/>	<input type="text" value="2261"/>	<input type="text" value="15360"/>	<input type="text" value="2261"/>
Lo-Tone Gain:	<input type="text" value="2261"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1130"/>
On Time 1:	<input type="text" value="0"/>	<input type="text" value="100"/>	<input type="text" value="25"/>	<input type="text" value="30"/>	<input type="text" value="100"/>	<input type="text" value="30"/>
Off Time 1:	<input type="text" value="0"/>	<input type="text" value="400"/>	<input type="text" value="25"/>	<input type="text" value="20"/>	<input type="text" value="400"/>	<input type="text" value="20"/>
On Time 2:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="30"/>
Off Time 2:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="400"/>
On Time 3:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Off Time 3:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: Call to another equipment, the frequency of Ring Back Tone changes.

7.6 Advanced Settings

7.6.1 Function

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

7.6.2 Instruction

Figure Advanced Setting (VoIP Gateway only)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Billing Signal:	<input type="text" value="Disabled"/> ▾
CPC Delay:	<input type="text" value="2"/> (2~5 Seconds)
CPC Duration:	<input type="text" value="120"/> x 10MS (0~120)
Send Flash event:	<input type="text" value="Disabled"/> ▾
SIP Encrypt:	<input type="text" value="Disabled"/> ▾
PPPoE retry period:	<input type="text" value="5"/> Seconds
System Log Server:	<input type="text"/>
System Log Type:	<input type="text" value="None"/> ▾

ICMP Not Echo	Default: No. when setting YES, ICMP Not Echo function will be active.
Send Anonymous CID	Default: No. When setting YES, send out CID cannot be found by another person. Your Register Proxy server must support this function.
Billing Signal	Default: Disable. Provides Disable, Polarity Reversal, Tone_12K, Tone_16K mode.
CPC Delay	Default: 2(sec); setting how long it takes for the voltage reaches 0V when receiving hang up signal. Only numbers are accepted, data range (2~5 sec.), maximum length: 1 byte.
CPC Duration	Default: 120ms. Setting how long it takes for the voltage reaches 0V, data range (0~120), maximum length: 3 bytes.
Send Flash event	Default: Disable. Provides Disable, DTMF Event, SIP Infomode.
SIP Encrypt	Default: Disable. Provides Disable, INFINET, AVS, WALKERSUN1, WALKERSUN2 modes. Your Register Proxy server must support this function.
PPPoE retry period	Default: 223 (Seconds); setting how long it takes for PPPoE retry when PPPoE failed. Only numbers are accepted, data range: (5~255), maximum length: 3 bytes.
System Log Server	Display the system Log Server information, send System Log to the Server. Can be IP Address or Domain Name Address. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
System Log Type	Default: None. Provides None, Call Statistics, General Debug, Call Statistics + General Debug, SIP Debug, Call Statistics + SIP Debug, General Debug + SIP Debug, All mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Figure Advanced Setting (Phone & Phone + FXO Gateway only)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled <input type="button" value="v"/>
SIP Encrypt:	Disabled <input type="button" value="v"/>
PPPoE retry period:	<input type="text" value="223"/> Seconds
System Log Server:	<input type="text"/>
System Log Type:	None <input type="button" value="v"/>

ICMP Not Echo	Default: No. when setting YES, ICMP Not Echo function will be active.
Send Anonymous CID	Default: No. When setting YES, send out CID cannot be found by another person. Your Register Proxy server must support this function.
Send Flash event	Default: Disable. Provides Disable, DTMF Event, SIP Info modes.
SIP Encrypt	Default: Disable. Provides Disable, INFINET, AVS, WALKERSUN1, WALKERSUN2 modes. Your Register Proxy server must support this function.
PPPoE retry period	Default: 223 (Seconds); setting how long it takes for PPPoE retry when

	PPPoE failed. Only numbers are accepted, data range: (5~255), maximum length: 3 bytes.
System Log Server	Display the system Log Server information, send System Log to the Server. Can be IP Address or Domain Name Address. Format: xxx.xxx.xxx.xxx; Maximum length: 63 bytes.
System Log Type	Default: None. Provides None, Call Statistics, General Debug, Call Statistics + General Debug, SIP Debug, Call Statistics + SIP Debug, General Debug + SIP Debug, All mode.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

7.6.3 Operate Instruction

Example1: Send Anonymous CID

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after start it, click [Submit] (See Figure 1).

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo: Yes No

Send Anonymous CID: Yes No

Send Flash event: Disabled

SIP Encrypt: Disabled

PPPoE retry period: 223 Seconds

System Log Server:

System Log Type: None

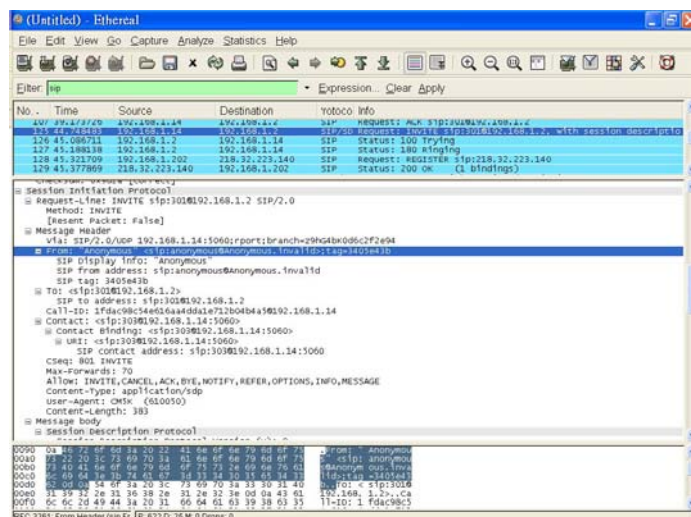
Submit Reset

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, and call to another equipment, dial out CID cannot be found. Please check [Ethereal] Packet and column [From: “Anonymous” <sip: anonymous@anonymous.invalid>] (See Figure 2)



(Figure 2)

Example2: CPC

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting CPS, click [Submit] (See Figure 3)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Billing Signal:	Disabled
CPC Delay:	2 (2~5 Seconds)
CPC Duration:	100 x 10MS (0~120)
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	5 Seconds
System Log Server:	
System Log Type:	None

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step4: Generally speaking, if a human is using a phone line, it doesn't matter whether the phone equipment recognizes CPC or not, since the human will physically hang-up the phone when they're done with the call, or they'll pick the call up off of hold when the phone system rings back after X seconds / minutes.

Example3: Send Flash Event

◆ Send Flash Event: DTMF Event

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after revising the information, (e.g.: Send Flash event: DTMF Event), click [Submit] (See Figure 4)

Advanced Setting

You could change advanced setting in this page.

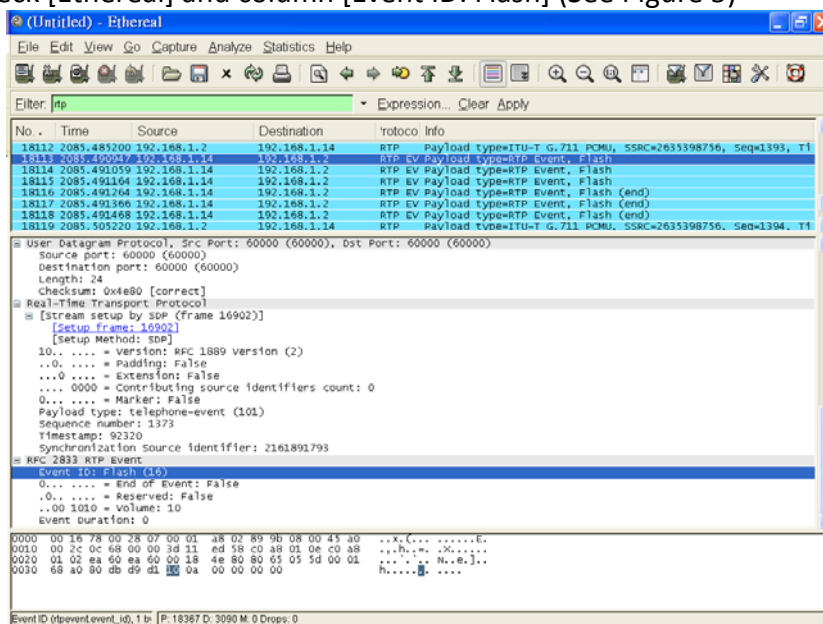
ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	DTMF EVENT SIP INFO
System Log Server:	
System Log Type:	None

(Figure 4)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: After rebooting, and call to another equipment, please press [Flash] which will changing to SIP Info., then check [Ethereal] and column [Event ID: Flash] (See Figure 5)



(Figure 5)

◆ Send Flash Event: SIP Info

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after changing Send Flash event, (e.g.: Send Flash event: SIP Info), click [Submit] (See Figure 6)

Advanced Setting

You could change advanced setting in this page.

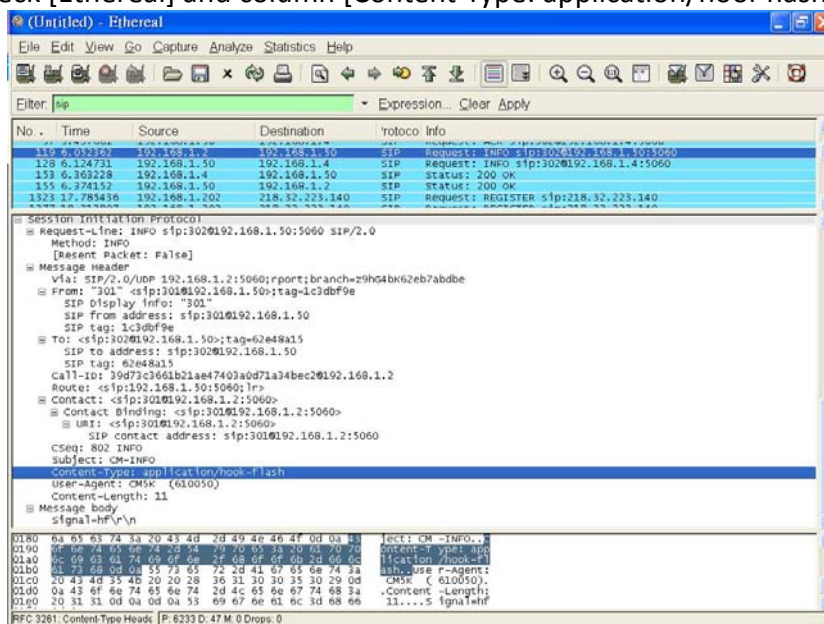
ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	DTMF EVENT
System Log Server:	
System Log Type:	None
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

(Figure 6)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: After rebooting, and call to another equipment, please press [Flash], which will changing to SIP Info., then check [Ethereal] and column [Content-Type: application/hool-flash] (See Figure 7)



(Figure 7)

Example4: PPPoE retry period

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after revising PPPoE Retry Period, (e.g.: PPPoE Retry Period: 20), click [Submit] (See Figure 8)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo: Yes No

Send Anonymous CID: Yes No

Send Flash event:

SIP Encrypt:

PPPoE retry period: Seconds

System Log Server:

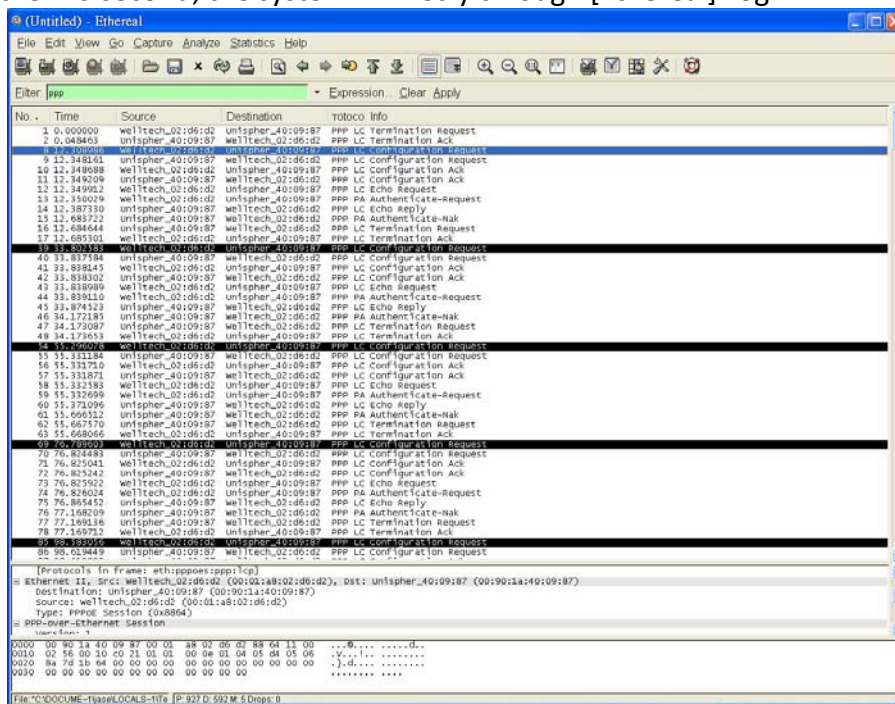
System Log Type:

(Figure 8)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: Every other 20 second, the system will retry through [Ethereal] Log.



(Figure 9)

Example5: System Log (Please start TFTP or System Log Server first)

◆ System Log Type: Call Statistics

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: Call Statistics), click [Submit] (See Figure 10)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	223 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics

None

Call Statistics

General Debug

Call Statistics+General Debug

SIP Debug

Call Statistics+SIP Debug

General Debug+SIP Debug

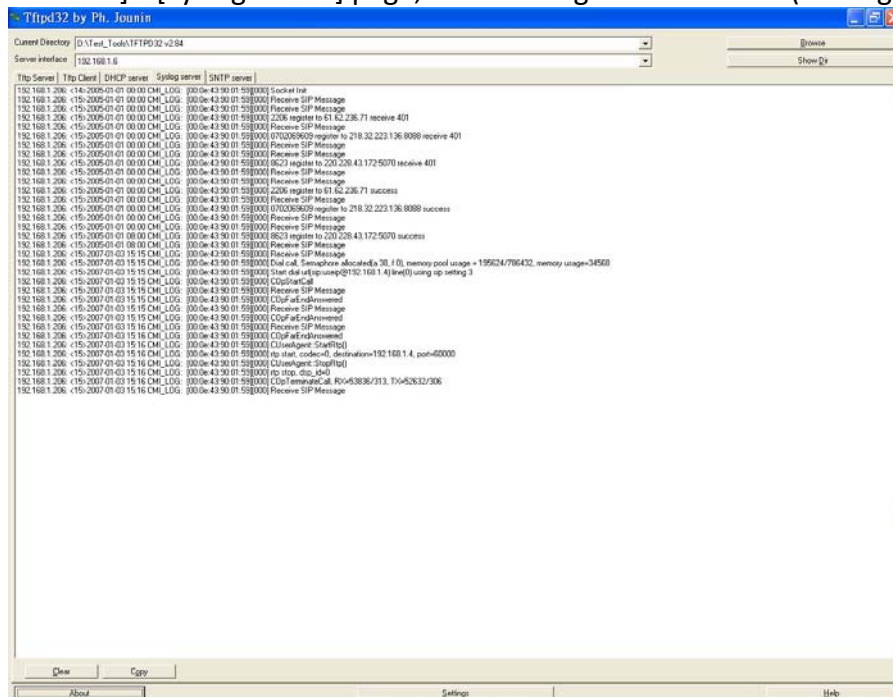
All

(Figure 10)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step 4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 11)



(Figure 11)

◆ System Log Type: General Debug

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: General Debug), click [Submit] (See Figure 12)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	223 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics

Call Statistics

None

Call Statistics

General Debug

Call Statistics+General Debug

SIP Debug

Call Statistics+SIP Debug

General Debug+SIP Debug

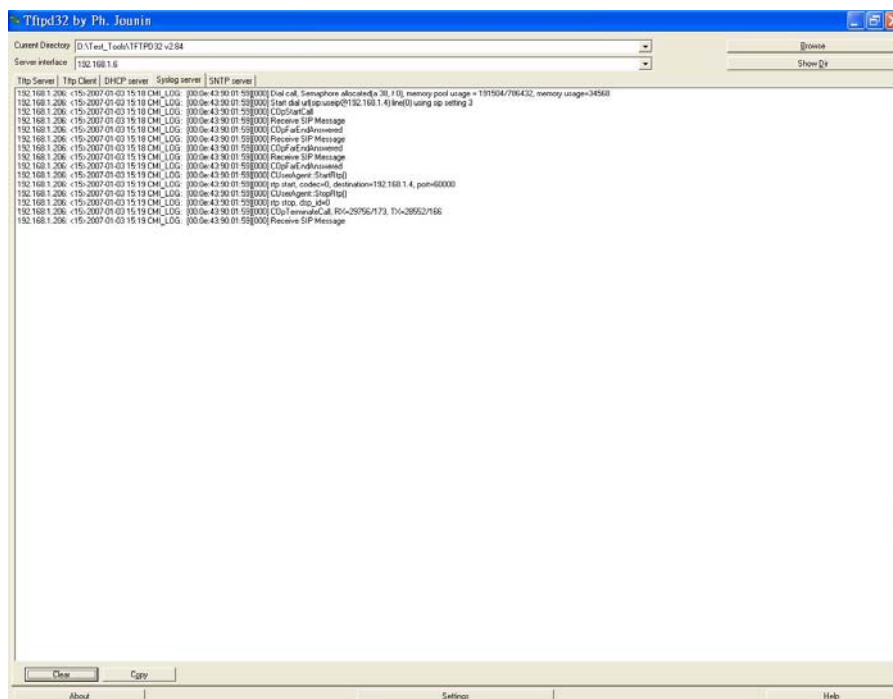
All

(Figure 14)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: On [TFTP Server] -- [Syslog server] page, new messages are received (See Figure 15)



(Figure 15)

◆ System Log Type: SIP Debug

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: SIP Debug), click [Submit] (See Figure 16)

Advanced Setting

You could change advanced setting in this page.

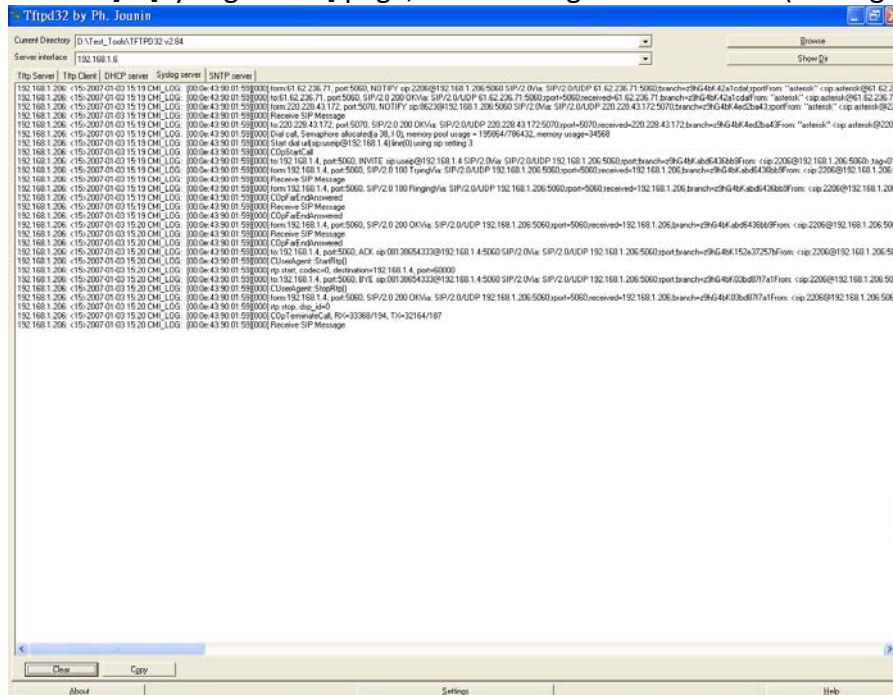
ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	223 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics

(Figure 16)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 17)



(Figure 17)

◆ System Log Type: Call Statistics + SIP Debug

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: Call Statistics + SIP Debug), click [Submit] (See Figure 18)

Advanced Setting

You could change advanced setting in this page.

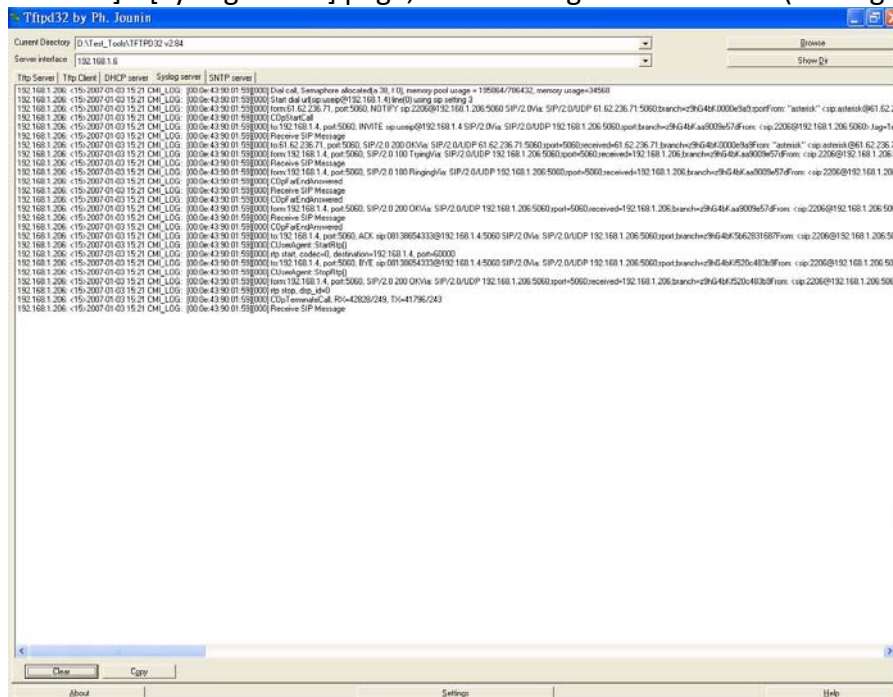
ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	223 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics

(Figure 18)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 19)



(Figure 19)

◆ System Log Type: General Debug + SIP Debug

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: General Debug + SIP Debug), click [Submit] (See Figure 20)

Advanced Setting

You could change advanced setting in this page.

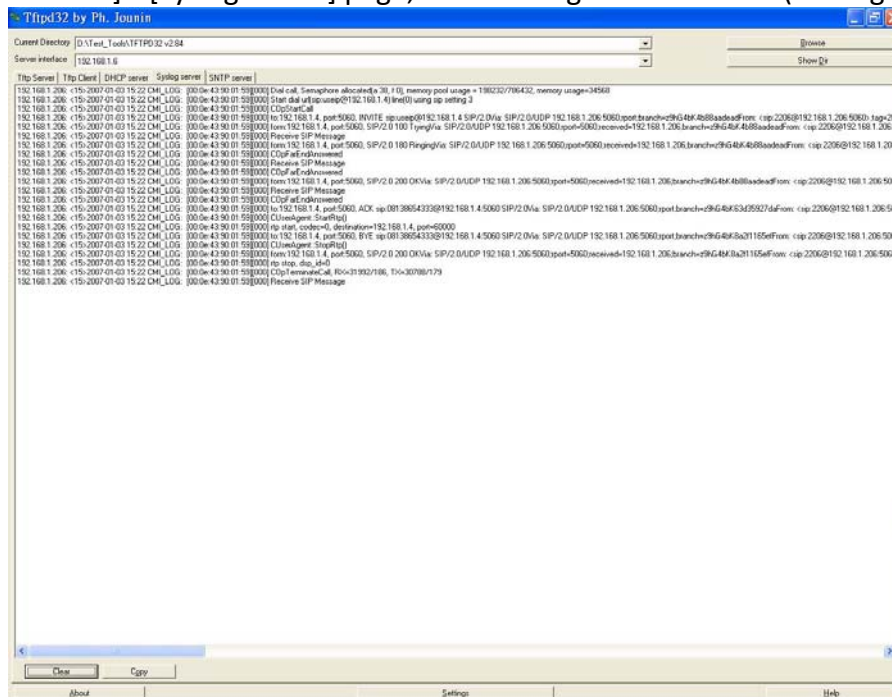
ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	223 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics

(Figure 20)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 21)



(Figure 21)

◆ System Log Type: All

Step 1: On the main page, select [System→Advanced Settings], enter [Advanced Setting] page, after setting System Log, (e.g.: System Log Server: 192.168.1.6, System Log Type: All), click [Submit] (See Figure 22)

Advanced Setting

You could change advanced setting in this page.

ICMP Not Echo:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Anonymous CID:	<input type="radio"/> Yes <input checked="" type="radio"/> No
Send Flash event:	Disabled
SIP Encrypt:	Disabled
PPPoE retry period:	223 Seconds
System Log Server:	192.168.1.6
System Log Type:	Call Statistics

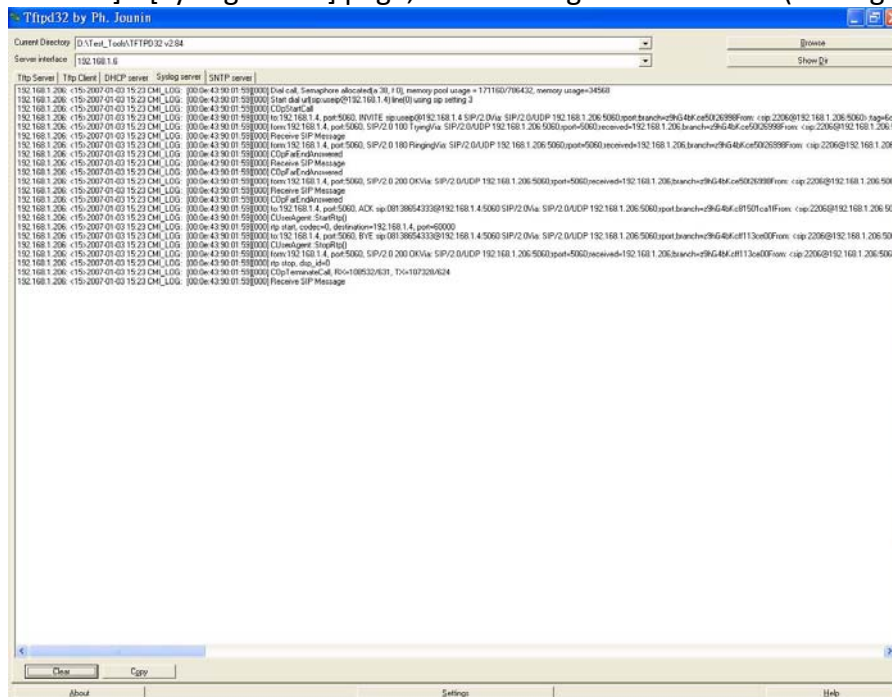
- None
- Call Statistics
- General Debug
- Call Statistics+General Debug
- SIP Debug
- Call Statistics+SIP Debug
- General Debug+SIP Debug
- All

(Figure 22)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: On [TFTP Server]-- [Syslog server] page, new messages are received (See Figure 23)



(Figure 23)

7.7 Log Setting

Log Setting displays the status log.

Status Log

```

<2005-01-01 00:00>Application starting ...
<2005-01-01 00:00>Init Wan Interface!
<2005-01-01 00:00>Iface type : DHCP_CLIENT
<2005-01-01 00:00>Init Lan Interface!
<2005-01-01 00:00>Iface type : FIXED_IP
<2005-01-01 00:00>DHCP_SendDiscover()
<2005-01-01 00:00>Rx OFFER from 192.168.1.1
<2005-01-01 00:00>DHCP_SendRequest()
<2005-01-01 00:00>DHCP state 1=2
<2005-01-01 00:00>DHCP Got Ip=192.168.1.55
<2005-01-01 00:00>REG MSG: REGISTER is sent
<2005-01-01 00:00>REG MSG: 100 is received
<2005-01-01 00:00>REG MSG: 401 is received
<2005-01-01 00:00>REG MSG: REGISTER is sent
<2005-01-01 00:00>REG MSG: 100 is received
<2005-01-01 00:00>REG MSG: 200 is received
<2005-01-01 00:00>Reg Status: REGISTERED
<2005-01-01 08:00>Get SNTP server IP=108.59.14.130
<2012-11-14 17:31>Get Time from SNTP server, Succeed!
<2012-11-14 17:31>REG MSG: REGISTER is sent
<2012-11-14 17:31>REG MSG: 100 is received
<2012-11-14 17:31>REG MSG: 401 is received
<2012-11-14 17:31>REG MSG: REGISTER is sent
<2012-11-14 17:31>REG MSG: 100 is received
<2012-11-14 17:31>REG MSG: 200 is received

```

7.8 Auto Answer (for FXO)

7.8.1 Function

Auto Answer provides auto answer and switches to FXO or FXS.

7.8.2 Instruction

Figure Auto Answer Setting

Auto Answer

You could enable/disable the auto answer in this page.

Auto Answer: On Off

Auto Answer Counter: (0~8)

PIN Code Enabled: On Off

PIN Code:

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

Operate Instruction

Example 1: Start the Auto Answer Function

Step 1: On the main page, select [Feature→Auto Answer], enter [Auto Answer] page, after revising information (e.g. Auto Answer: on, Auto Answer Counter: 1) (See Figure 1), then click [Submit].

Auto Answer

You could enable/disable the auto answer in this page.

Auto Answer:	<input checked="" type="radio"/> On <input type="radio"/> Off
Auto Answer Counter:	<input type="text" value="1"/> (0~8)
PIN Code Enabled:	<input type="radio"/> On <input checked="" type="radio"/> Off
PIN Code:	<input type="text"/>

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When an incoming call comes through FXO or FXO Port, please wait for a while till heard the 2nd Dial Tone, then please dial FXS or FXO Port phone number.

Example 2: Start Auto Answer+ PIN Code Function

Step 1: On the main page, select [Feature→Auto Answer], enter [Auto Answer] page, after revising information (e.g. Auto Answer: on, Auto Answer Counter: 1, PIN Code Enabled: on, PIN Code: 123456) (See Figure 2), then press [Submit].

Auto Answer

You could enable/disable the auto answer in this page.

Auto Answer:	<input checked="" type="radio"/> On <input type="radio"/> Off
Auto Answer Counter:	<input type="text" value="1"/> (0~8)
PIN Code Enabled:	<input checked="" type="radio"/> On <input type="radio"/> Off
PIN Code:	<input type="text" value="123456"/>

(Figure 2)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Step 4: When dialing in through FXO or FXO Port, please wait for a while till hearing the dialing tone, then input the PIN Code (e.g. 123456) end with “#” till hearing the 2nd dialing tone, then input FXS or FXO Port phone number.

7.9 Dial Plan Settings

7.9.1 Function

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

7.9.2 Instruction

Figure Dial Plan Setting

Routing to : IP FXO Disable

Routing rule :

Drop prefix : Yes No

Replace rule 1: +

Drop prefix : Yes No

Replace rule 2: +

Drop prefix : Yes No

Replace rule 3: +

Drop prefix : Yes No

Replace rule 4: +

Dial now:

Exp: 1[137]XX+345XX+45XX67

Realm 1 prefix:

Realm 2 prefix:

Realm 3 prefix:

PSTN feature code:

Auto Dial Time: (3~9 sec)

Use # as send key: Yes No

Auto PSTN backup: Yes No

Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
Replace rule1	Providing the setting number information. 7 digits number is preferred, from (0~9999999) Can be numbers or strings. . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers 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 numbers that begin 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 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 digits number, can be numbers or signs (+, x). (+) means "Or"; (x) means any numbers that is from 0~9. . Maximum length is 40 bytes.

Replace rule2	Providing the setting number information. 7 digits number is preferred, from (0~9999999) . . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means “Or”; (x) means any numbers that is from 0~9.
Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
Replace rule3	Providing the setting number information. 7 digits number is preferred, from (0~9999999) . . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means “Or”; (x) means any numbers that is from 0~9. . Maximum length is 40 bytes.
Drop Prefix	Default: No (Encode). When encountering the accordant rule, a new number will be added in front of the dialing number. When setting YES, and encountering the accordant rule, a new number will replace the dialing number.
Replace rule4	Providing the setting number information. 7 digits number is preferred, from (0~9999999) . Maximum length is 8 bytes.
+	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means “Or”; (x) means any numbers that is from 0~9. . Maximum length is 40 bytes.
Dial Now	Provides the rules for encode and decode. Maximum length is 31 digits number, can be numbers or signs (+, x). (+) means “Or”; (x) means any numbers that is from 0~9. But the first digit cannot be “0”. Because 0 cannot judge the rule. So if Dial Now begins with “0”, the system cannot work. . Maximum length is 124 bytes.
Realm 1 prefix	Setting the switching number. Default 1*. Press 1*, the phone switches to first registered account.
Realm 2 prefix	Setting the switching number. Default 2*. Press 2*, the phone switches to second registered account.
Realm 3 prefix	Setting the switching number. Default 3*. Press 3*, the phone switches to third registered account.
PSTN feature code	Setting the switching number. Default 0*. Press 0*, the phone switches to PSTN line.
Auto Dial Time	Default: 5 second. After waiting for a while, but didn’t input any number, Auto Dial will run automatically. Time zone: (3~9 sec). . Maximum length is 3 bytes.
Use # for send key	Default: YES. It ends with # when execute this action. When setting NO, it didn’t end with # when execute this action, but according with Auto Dial Time, after waiting for a while, and didn’t input any information, then execute this action.
Use * for IP dialing	Default YES. When input “*”, it will used as “.”. E.g. When input 192*168*1*100#, it execute”192.168.1.100#”. When setting NO, while dialing, input (*) doesn’t mean (.).
Auto PSTN backup:	Default No. When choose”Yes”, it actives Auto PSTN backup.

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

Operate Instruction

Example 1: Dial Plan Function

Step 1: On the main page, select [System→Dial Plan], enter [Dial Plan] page, after revising information (e.g. Drop prefixNo, Replace rule 1002, 8613+8662; Drop prefixYes, Replace rule 2006, 002+003+004+005+007+009; Drop prefixNo, Replace rule 3009, 12; Drop prefixNo, Replace rule 4007, 5xxx+35xx+21xx; Dial Now*xx+#xx+11x +xxxxxxxx) (See Figure 1), then press [Submit].

The screenshot shows a web-based configuration interface for dial plans. It includes the following sections:

- Routing to:** Radio buttons for IP, FXO, and Disable (selected).
- Routing rule:** A text input field.
- Drop prefix:** Radio buttons for Yes and No (selected).
- Replace rule 1:** Input fields for '002' and '+8613+8662'.
- Replace rule 2:** Input fields for '006' and '+002+003+004+005+007+009'.
- Replace rule 3:** Input fields for '009' and '+12'.
- Replace rule 4:** Input fields for '007' and '+5xxx+35xx+21xx'.
- Dial now:** A text input field containing '*xx+#xx+11x +xxxxxxxx'.
- Exp:** A text input field containing '1[137]xx+345xx+45xx67'.
- Realm 1 prefix:** Input field with '0*'. A red box highlights the asterisk.
- Realm 2 prefix:** Input field with '2*'. A red box highlights the asterisk.
- Realm 3 prefix:** Input field with '3*'. A red box highlights the asterisk.
- PSTN feature code:** Input field with '0*'. A red box highlights the asterisk.
- Auto Dial Time:** Input field with '5' and '(3~9 sec)'.
- Use # as send key:** Radio buttons for Yes (selected) and No.
- Auto PSTN backup:** Radio buttons for Yes and No (selected).
- Buttons:** Submit and Reset.

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by press [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while.

Instruction 1: Drop prefixNo, Replace rule 1002, 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 2006, 002+003+004+005+007+009.

Application 1: When input 002 and all numbers that begin with 002 will be replaced by 006; so actually the dialing number is [006+xxx]

Application 2: When input 003 and 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 3009, 12.

Application 1: When input 12, and 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 4007, 5xxx+35xx+21xx.

Application 1: When input 5xxx, all 4 digits numbers that begin with 5, will be added with 007; so actually the dialing number is [007+5xxx].

Application 2: When input 534, all 3 digits numbers that begin with 5, doesn't match the encode rule, so actually the dial out number is [534]

Application 3: When input 35xxx, all 5 digits numbers that begin with 35, will be added with 007; so actually the dialing number is [007+5xxx].

Application 4: When dial 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+xxxxxxxx.

Application 1: Any information that meet the condition"*xx" will be sent out immediately, like *00, *01, *02... *99. If input "*0#", send out number is"*0#"

Application 2: Any information that meet the condition" #xx" will be sent out immediately, like #00, #01, #02...#99.

Application 3: Any information that meet 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 input 8 digit numbers, the system will send out the number immediately. E.g.: 12345678

Chapter 8. Save Change

Save Change

8.1 Save Change

8.1.1 Function

After Save Changes, the system will be rebooted.

8.1.2 Instruction

Figure Save Change

Save Changes

You have to save changes to effect them.

Save Changes:

Save [Button]	Submit the change.
---------------	--------------------

8.1.3 Operate Instruction

Step1: Select [Save Change], enter [Save Changes] page, execute the command, click [Save] (See Figure 1)

Save Changes

You have to save changes to effect them.

Save Changes:

(Figure 1)

Step2: [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Note Information

This page inform user important information.

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

(Figure 2)

Step3: After rebooting, please press [(F5)] to continue other settings.

Chapter 9. Update

Provides New Firmware, Auto Update, Default Setting items.

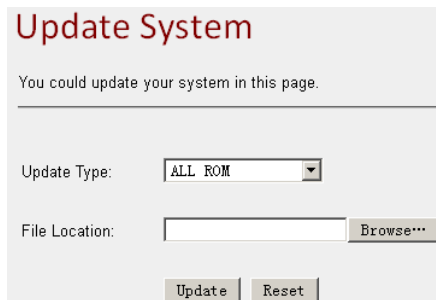
9.1 New Firmware

9.1.1 Function

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

9.1.2 Instruction

Figure Update System

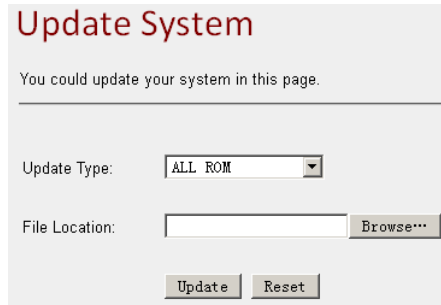


Method	Default: Local PC
Local PC	Update by Local PC
Code Type	Default: ALL ROM(.rom).
File Location	Please input File Location. Can be numerals or strings. Maximum length: 30 bytes.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

9.1.3 Operate Instruction

Example1: Update by Local PC

Step 1: On the main page, select [Update→ Firmware], enter [Update System] page, after revising the information (e.g. Code Type: ALL ROM), setting File Location information, please click [Browse] (See Figure 1)



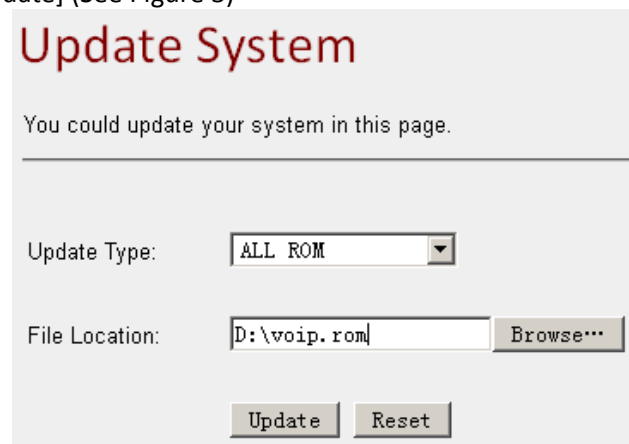
(Figure 1)

Step2: Enter the following page, select update [rom] file, (e.g. voip.rom), click [Open].



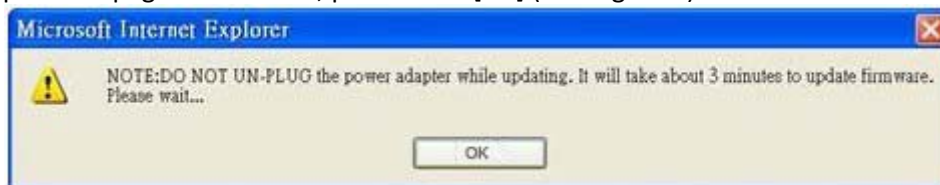
(Figure 2)

Step3: Back to page [Update System], made sure the update file is on [File Location], please click [Update] (See Figure 3)



(Figure 3)

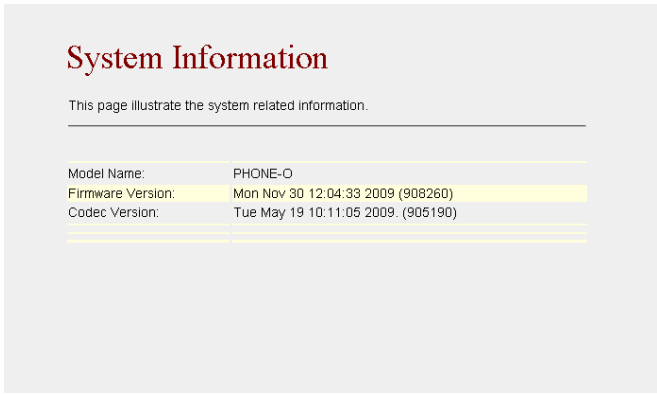
Step4: Note page will be seen, please click [OK] (See Figure 4)



(Figure 4)

Step5: [Note Information] page will be seen. After updating, please reboot the system.

Step6: After rebooting, and back to the main page, please press [(F5)] to view the result in page [System Information] (See Figure 5)



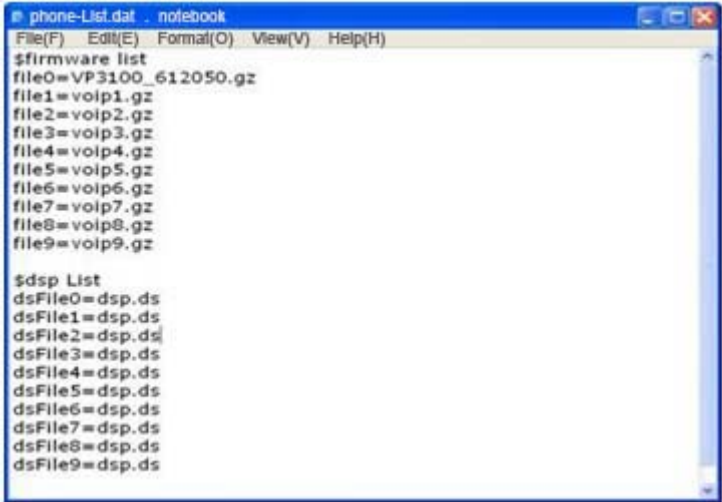
(Figure 5)

9.1.4 Build List File

Step1: Build a list file, Format: Firmware File Prefix +_ List. dat, e.g.: Phone _ List. dat.

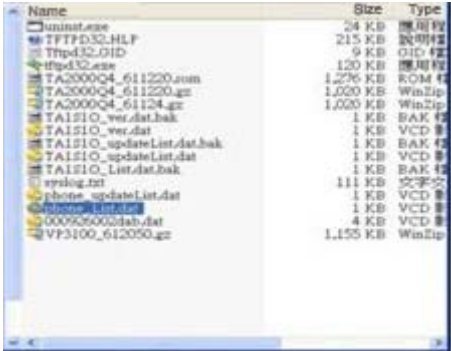
Step2: Please input the update version in “file0=”, e.g.: file0=VP3100_612050.gz; if DSP version is involved, please input the update version in”dspfile0=”, e.g.: file0=dsp.ds(See Figure 1).

- \$firmware List : Display firmware List, provide 10 entries.
- \$dsp List : Display dsp List, provide 10 entries.



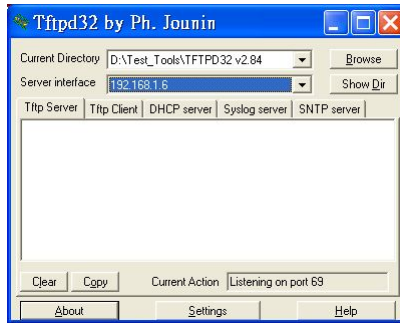
(Figure 1)

Step3: Put Phone_List.dat and all update file (e.g.: VP3100_612050.gz & dsp.ds), in [TFTP Server] indicates path (See Figure 2).



(Figure 2)

Step4: Start TFTP Server (See Figure 3).



(Figure 3)

9.2 Auto Update

9.2.1 Function

Auto Update Settings provide **.gz(RISC)** or **.ds(DSP) format**, **.rom** is not available.

9.2.2 Instruction

Figure Auto Update Setting

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

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: Power ON and Scheduling Scheduling only

Scheduling (Date): (1~30 days)

Scheduling (Time):

Automatic Update: Notify only Automatic

Firmware File Prefix:

Next update time:

Update via	Default: Off. Off , TFTP , FTP or HTTP modes are available.
TFTP Server	Setting TFTP Server, input TFTP Server Address, can be IP Address or Domain Name, format: xxx.xxx.xxx.xxx; maximum length: 63 bytes.
TFTP File Path	Setting TFTP Path, input the path of the file, can be numerals or strings, maximum length: 63 bytes. E.g.: /123/.
HTTP Server	Setting TFTP Server, input TFTP Server Address, can be IP Address or Domain Name, format: xxx.xxx.xxx.xxx; maximum length: 63 bytes.
HTTP File Path	Setting HTTP Path, input the path of the file, can be numerals or strings, maximum length: 63 bytes. E.g.: /123/.
FTP Server	Setting FTP Server, input FTP Server Address, can be IP Address or Domain Name, format: xxx.xxx.xxx.xxx; maximum length: 63 bytes.

FTP Username	Setting FTP Username information. Input FTP username, can be numerals or strings, maximum length: 63 bytes.
FTP Password	Setting FTP Password information. Input FTP Password, can be numerals or strings, maximum length: 63 bytes.
FTP File Path	Setting File Path, input the path of the file, can be numerals or strings, maximum length: 63 bytes. E.g.: /123/.
Check new Firmware	Default: Scheduling only ; provide Power ON and Scheduling mode. - Power On: Power on + Scheduling , means as long as start the system, it will check if there is update version or not, according to the schedule. If yes, it wouldn't update now, but update by your permit.
Scheduling (Date)	According to the date to check if there is update version or not. Default: 14 days. Minimum: 1 day. Maximum: 30 days. Only numerals are accepted, length: 2 bytes.
Scheduling (Time)	Default: AM 00:00 – 05:59 ; AM 06:00 – 11:59 , AM 12:00 – 17:59 , AM 18:00 – 23:59 is available.
Automatic Update	Default: Notify only. Notify only , Automatic are available. - Notify only: the message will be found on LCD, and when up the phone, "Do Do Do" will be heard. - Automatic: Update automatically.
Firmware File Prefix	Default: Product model. Can be numerals or strings, maximum: 8 bytes.
Next update time	Next update time begins with the next day, not today. Formula: the next day + days + time zone + MAC Address + Random = Next update time.
Submit [Button]	Submit the change.
Reset [Button]	Clear the change.

Remark:

Check new Firmware: Power on

Notice: as long as start the system, it will check if there is update version or not, according to the schedule. If yes, new message will be found on LCD, and Bee tone will be heard when pick up the phone. It wouldn't update now, but update by your permit.

➤ **(Phone)**

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

➤ **(FXS/FXO)**

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

NOTICE: It takes 2~3 min to update, during the time period, dialing function cannot work, please don't move the power supply.

9.2.3 Operate Instruction

Example1: Auto Update. (Please build Auto Update file.)

Step 1: On the main page, select [Update→ Auto Update], enter [Auto Update Settings] 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 saving change (See Figure 1).

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

TFTP Server:	<input type="text"/>	
TFTP File Path:	<input type="text"/>	Exp. download
HTTP Server:	<input type="text" value="61.62.236.70"/>	Exp. 60.35.187.30
HTTP File Path:	<input type="text" value="/update/"/>	Exp. download
FTP Server:	<input type="text"/>	Exp. 60.35.17.1
FTP Username:	<input type="text"/>	
FTP Password:	<input type="text"/>	
FTP File Path:	<input type="text"/>	Exp. file/load

Check new firmware: Power ON and Scheduling Scheduling only

Scheduling (Date): (1~30 days)

Scheduling (Time):

Automatic Update: Notify only Automatic

Firmware File Prefix:

Next update time:

(Figure 1)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: After rebooting, and back to the main page, please press [F5] to refresh, select [Update→Auto Update], enter [Auto Update Settings], **to get next update time. E.g.: [Next Update time: 2007-03-07 04:45].** (See Fugire 2)

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

TFTP Server:	<input type="text"/>	
TFTP File Path:	<input type="text"/>	Exp. download
HTTP Server:	<input type="text" value="61.62.236.70"/>	Exp. 60.35.187.30
HTTP File Path:	<input type="text" value="/update/"/>	Exp. download
FTP Server:	<input type="text"/>	Exp. 60.35.17.1
FTP Username:	<input type="text"/>	
FTP Password:	<input type="text"/>	
FTP File Path:	<input type="text"/>	Exp. file/load

Check new firmware: Power ON and Scheduling Scheduling only

Scheduling (Date): (1~30 days)

Scheduling (Time):

Automatic Update: Notify only Automatic

Firmware File Prefix:

Next update time: **2007-03-07 04:45**

(Figure 2)

Step5: 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.

Example2: Update with permit (Please build Auto Update file first)

Step 1: On the main page, select [Update→ Auto Update], enter [Auto Update Settings] 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) (如 Picture3), click [Submit], and saving change (See Figure 3).

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

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: Power ON and Scheduling Scheduling only

Scheduling (Date): (1~30 days)

Scheduling (Time):

Automatic Update: Notify only Automatic

Firmware File Prefix:

Next update time:

(Figure 3)

Step 2: After saving change, enter [Note Information] page, “Note Information” will be seen, then the changing will come into effect.

Step 3: On the main page, select [Save Change] item, enter [Save Changes] page, and execute the saving command by click [Save]. [Note Information] page will be seen which means saving successfully. And the system will be restarted, please wait for a while

Step4: After rebooting, and back to the main page, please press [F5] to refresh, select [Update→Auto Update], enter [Auto Update Settings], **to get next update time. E.g.: [Next Update time: 2007-03-07 04:45].** (See Fugire 4)

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

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: Power ON and Scheduling Scheduling only

Scheduling (Date): (1~30 days)

Scheduling (Time):

Automatic Update: Notify only Automatic

Firmware File Prefix:

Next update time: **2007-03-07 04:45**

(Figure 4)

Step6: 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.

➤ **(Phone)**

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

➤ **(FXS/FXO)**

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

NOTICE: It takes 2~3 min to update, during the time period, dialing function cannot work, please don't move the power supply.

9.2.4 Auto Update File

Step1: Build an auto update file, format: Firmware File Prefix + _ver.dat (e.g.: TA1S_ver.dat) (See Figure 1). For Firmware File Prefix name, please refer [Auto Update Setting]-- Firmware File Prefix (e.g.: TA1S_ver.dat) (See Fugire 2).



(Figure 1)

Auto Update Settings

You could set auto update settings in this page.

Update via: Off TFTP FTP HTTP

TFTP Server:

TFTP File Path: Exp. download

HTTP Server: Exp. 60.35.187.30

HTTP File Path: Exp. download

FTP Server: 61.62.236.70 Exp. 60.35.17.1

FTP Username: cmi

FTP Password:

FTP File Path: /update/ Exp. file/load

Check new firmware: Power ON and Scheduling Scheduling only

Scheduling (Date): 30 (1~30 days)

Scheduling (Time): AM 00:00- 05:59

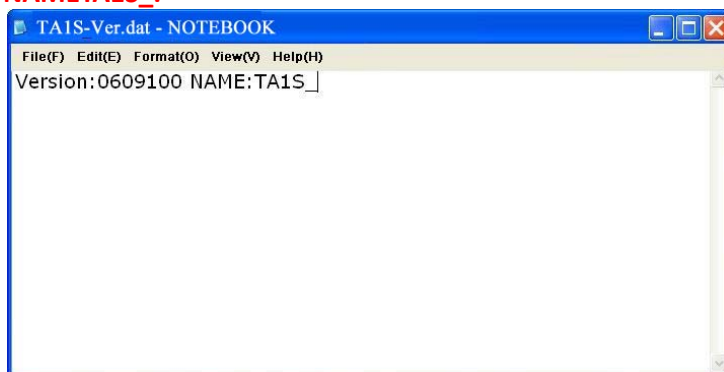
Automatic Update: Notify only Automatic

Firmware File Prefix: TA1S

Next update time:

(Figure 2)

Step2: TA1S_ver.dat file must have [Version & NAME]. Format: [Version:0609100 NAME:TA1S_], instruction : Version: show the update version, NAME: show the name, (**NAME must be capitalized.**) (See Figure 3). **The new version name is: NAME+Version e.g.: TA1S_0609100.gz , please make sure the name is correct. Format: Version: 0609100 NAMETA1S_.**



(Figure 3)

Step 3: The system will check with the server, if the file existing or not. (E.g.: Firmware File Prefix+_ver.dat). If existing, it will check the [Version] column, if the version is newer than the current version, update will execute.

Step 4: Put TA1S_ver.dat and new update version information (e.g.: TA1S_0609100.gz) to [TFTP or FTP or HTTP Server] indicate address.

9.2.5 NOTICE

➤ **(Phone)**

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

➤ **(FXS/FXO)**

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

NOTICE: It takes 2~3 min to update, during the time period, dialing function cannot work, please don't move the power supply.

9.3 Default Setting

9.3.1 Function

Restore Default Settings restore all changing information (excluding Phone). After restore default settings, the system will be rebooted.

9.3.2 Instruction

Figure Restore Default Setting

Restore Default Settings

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

Restore default settings:

Restore [Button]	Restore the factory settings.
------------------	-------------------------------

9.3.3 Operate Instruction

Step 1: On the main page, select [Update→Default Settings], enter [Restore Default Settings] page, and then click [Restore], the system will be rebooted (See Figure 1)

Restore Default Settings

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

Restore default settings:

(Figure 1)

Step2: Enter [Note Information] page, please wait for a moment while rebooting (See Figure 2)

Note Information

This page inform user important information.

Configure OK.
Please wait for a moment while rebooting ...

(Figure 2)

Step3: After rebooting, and back to the main page, press [(F5)] to refresh.

Chapter 10. Reboot

Reboot System

10.1 Reboot

10.1.1 Function

Reboot System; press the reboot button to restart the system.

10.1.2 Instruction

Figure Reboot System

Reboot System

You could press the reboot button to restart the system.

Reboot system:

Reboot [Button]	Execute.
-----------------	----------

10.1.3 Operate Instruction

Step 1: On the main page, select [Reboot], enter [Reboot System] page, and then click [Reboot] (See Figure 1)

Reboot System

You could press the reboot button to restart the system.

Reboot system:

(Figure 1)

Step2: Enter [Note Information] page, please wait for a moment while rebooting, please don't move power supply.

Note Information

This page inform user important information.

Configure OK.
Please wait for a moment while rebooting ...

(Figure 2)

Step3: After rebooting, and back to the main page, press [(F5)] to refresh.

Operate Instruction

Operate Instruction of the Phone

Chapter 11. Phone Transfer Rule

11.1 IP mode Transfer Rule

11.1.1 Blind Transfer

B calls A, while A and B are talking, if A would like 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 "#", then the call transferred to C.

11.1.2 Attendant Transfer

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

Chapter 12. Gateway/TA Transfer Rule

12.1 IP mode Transfer Rule

12.1.1 Blind Transfer

Procedure

Step 1:

B calls A, while A and B are talking, if A would like to transfer the call to C, A should press [Hold] to hold B's call, then press #510# and C's number, end with "#" to transfer the call to C.

12.1.2 Attendant Transfer

B calls A, while A and B are talking, if A would like to transfer the call to C, A should press [Hold] to hold B's call, then press #511# and input C's number, end with "#", then C's phone rings. If A hung up the phone, then B can talk with C.

12.1.3 (3-way calling)

B calls A, while A and B are talking, if A would like to add C to talk, A should hold B's call, then press #512# and C's number, end with "#", then C's phone rings. If A can talk with C, and A press "flash", A, B and C can talk together.

12.1.4 Call Waiting

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