INTERNET PHONE

(Model : Teliphone3200)

Administrator Manual

Version 1.6

SAFETY INFORMATION

Meticulous care had been devoted to ensure highest safety standards in manufacturing of your Internet Phone. Safety is the major factor in designs of every set. But, safety is your responsibility too.

Use only the adaptor that came with the Internet Phone. (Output: DC 5V/1.5A)
To reduce the risk of electric shock, do not disassemble this product. There are no user serviceable parts. Opening or removing covers may expose you to hazardous voltages. Incorrect reassembly can cause electric shock when this product is subsequently used.
Never push objects of any kind into the equipment through housing slots since they may touch hazardous voltage points or short out parts that could result in a risk of electric shock. Never spill liquid of any kind on the product. If liquid is spilled, however, refer servicing to proper service personnel.
Use only Unshielded Twisted Pair (UTP) Category 5 Ethernet cable to RJ-45 port of the Internet Phone.

FCC Compliance Statements

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

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

Warning : Your are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

TABLE OF CONTENTS

INTERNET PHONE 1
Administrator Manual 1
1. INTRODUCTION 6
1.1. Overview 6
1.2. Internet Phone Models 6
1.3. Features 6
1.4. Specification 7
1.5. Application Diagram 9
1.6. Structure of Internet Phone 11
1.6.1. Keypad 11
1.6.2. LCD Display 13
1.6.3. LED Display 15
1.6.4. Port Structure 15
2. PRE-INSTALLATION CHECK LIST 16
2.1. Power Requirements 16
2.2. Storage Requirments 17
2.3. User Requirements 17
2.4. Component Check List 18
3. INSTALLATION 19
3.1. Connecting Cables 19
3.2. Booting Up process 19
3.3. Quick Setup 20
4. GETTING STARTED WITH MENU 21
4.1. Menu Structure 21

4.2. Setup 25
4.2.1. My Phone 26
4.2.2. Network Setup 30
4.2.3. Call Setup 59
4.2.4. Modem.....68
4.2.5. Time.....73
4.2.6. PSTN 77
4.2.7. Default.....80
4.3. Call Log 83
4.4. Phone Book.....85
4.4.1. Find Number.....86
4.4.2. Add 89
4.4.3. Memory Dial 90
4.4.4. Delete All.....91
4.5. Ring/Volume 92
4.5.1. Ring Selection 92
4.5.2. Ringing tone Volume 93
4.6. Information 94
4.6.1. Network.....94
4.6.2. Version.....97
4.6.3. Mac Address 97
4.7. Reboot.....99
5. Using Internet Phone.....100
5.1. Making a call in Broadband Mode 100
5.1.1. On Hook mode (Pre-dial) 100
5.1.2. Placing a call in the Off Hook mode.....101

5.2. Making a call in Dial-up Mode 102
5.3. Making a call in PSTN Mode.....104
5.4. Making a call in Phone Book mode 105
5.5. Making a call in Call Log mode.....105
5.6. Redial the last number dialed 105
5.7. Memory Dial 106
6. Troubleshooting Guide.....107
7. Safety Notices 111
Certification of Warranty 114

1. INTRODUCTION

1.1. Overview

The Internet Phone(Teliphone3200) is an one-port VoIP(Voice over Internet Protocol) phone for the home or small-medium size businesses. The Internet Phone supports ITU-T H.323 protocol for data communication. It is a stand-alone device, which means no PC connection is necessary to use it.

The Internet Phone allows users to make long distance call or international call at low cost.

Using standard protocol, Internet Phone can interoperate with most Internet devices for communication over the Internet.

1.2. Internet Phone Models

Model No.	Ethernet	Dial-up	NAT	PSTN
Teliphone3200-V20	●		●	
Teliphone3200-D21	●	●	●	●

1.3. Features

• Easy to use, simple to activate

• VAD (Voice Activity Detection)

• Volume control

• Speed dialing keys

• Phone book

• Last number redial

• LCD display

• Call Mute

• Silence suppression

• Echo cancellation/compensation

• Excellent voice quality DSP technology

• Network management with SNMP-based NMS

• Software updates/upgrades via remote access

• Interoperable with standards-based gatekeepers and gateways

• Configurable phone number assignment to match dial plan

• Remote management via SNMP, Telnet and HTTP

• OEM customization available

• 1-year warranty

1.4. Specification

LAN Interface

Standards

ITU H.323 v4, H.225, H.245

ITU G.711, G.723.1, G.729.A

IEEE 802.3

10/100 base-T

PPPoE, DHCP

Management

Telnet, RS-232, http, LCD display

CODEC Options

G.711, G.729.A, G.723.1

Power

12VDC, 600mA

Dimensions

14cm W × 4.3cm H × 17.5cm D

Weight

0.73kg

Operating Temperature

32℉ to 131℉ (0℃ to 55℃)

Operating Humidity

10% to 85% noncondensing

Storage Temperature

32℉ to 149℉ (0℃ to 65℃)

Storage Humidity

5% to 90% noncondensing

Dial-up Interface

• Data Rates from 300 bps to 56k bps. (If needed in use, the rate can be limited by software)

•Data Modulation Standards V.90, V.34, V.432bis, V.22bis, V.22, V.23, V.21 and V.23 reversible (Minitel), Bell 212, Bell 103 Dialup Modem V.42 Error Control

• Country Code support

• V.42 Error Control

• V.42bis Compression

• Protected Against Surge and Over voltage on the Telephone Line

Standard

• ITU H.323 v4, H.225, H.245

• ITU G.723.1

Codec

• G.723.1

1.5. Application Diagram

This product makes voice telecommunication possible by offering an analogue interface (handset, microphone, speaker) and an interface (VoIP) linking it with the packet switch network.

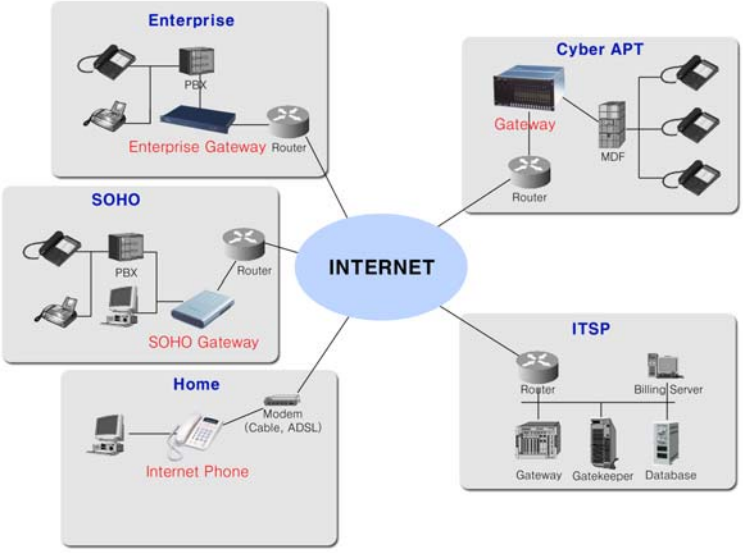


Figure 1) Application Diagram

1.6. Structure of Internet Phone

1.6.1. Keypad

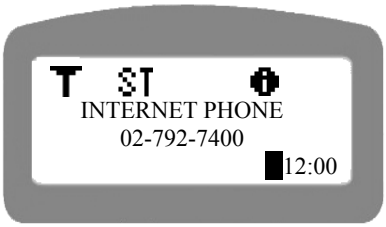
Figure 2) Keypad Structure of Internet Phone

The description for each key is as follows.

Key name	Description

Menu	• Use to call up the menu • Use to change between preferences when entering characters (English-capital and lowercase / numerical / special characters).
M1~M3	• Memory dial
DEL	• Use to delete the characters in Pre-dial and Phone Book mode.
▲	• Use to move up the cursor to select menu.
▼	• Use to move down the cursor to select menu.
► Call Log	• Use to move the cursor to the right in Phone Book mode. • Use to call up the Call Log menu in off hook mode.
◄ P-Book	• Use to move the cursor to the left in Phone Book mode. • Use to call up Phone Book menu.
OK	• Use to complete the input in Phone Book menu. • Use to confirm the entered or selected settings.
Cancel	• Use to cancel the selected menu, entered data, or etc.
PSTN	• Use to place the PSTN call.
MUTE	• Use to make the voice not to be heard from the counterpart.
ⒹISP	• Used to connect to dial-up ISP. (Option).
VOL + / -	• Use to adjust the volume of the handset
FLASH	• Use to place another call while dialing or in the middle of a call. (Available only in PSTN mode).
REDIAL	• Use to redial the number last dialed
SPK	• Use to carry on the call without picking up the handset. Press again to turn off the speaker phone

1.6.2. LCD Display



The LCD screen shows the current status of the Internet Phone, menu options on the LCD screen, Telephone number dialed or received etc. (4x15)

First Line	Status display – displays the present state of the IP Phone.
Second Line	Name display – displays the name entered by the user.
Third Line	Telephone number display – displays the number entered with the key pad.
Fourth Line	Current time display

The following are icons used to display the present state of the IP Phone

Icon	Name	Function
	DNS Status	• Displays the DNS status. flashing : Finding the DNS server : Received the IP address of the DNS
	Gatekeeper Status	• Displays the G/K registration status. flashing : Trying to register with Gatekeeper. : Registered with Gatekeeper successfully.

	Call status display	: Displayed when the call is connected successfully. : Displayed when the call isn't connected.
ST DH PP	Kinds of connection	ST : Static IP DH : DHCP PP : PPPoE
	Mute	• Displayed when using Mute function.
	Flash save display	• Displayed when data is being saved in memory
	PC Link	• Displayed when the PC is connected to the phone. (NAT).
	Ethernet	• Displayed when the Internet Phone is connected to the Internet.
	Modem	• Displayed when the Modem is connected.
	Summer Time	• Displayed when the summer time is applied.
# e E 1	Entry mode	• Displays the input mode. # : Symbols e : English Lower Case E : English Capital 1 : Numeric
	Navigation key	• Displayed only when the navigation key is available for menu selection.

1.6.3. LED Display

PSTN	• Lighted when using PSTN mode.
ⒹISP	• Lighted when using Dial-up connection.

1.6.4. Port Structure

POWER	▪ Use to connect to the power adapter.
ETHERNET	▪ Use to connect to Internet leased line, cable modem, ADSL Modem, or etc. for internet connection.
PC	▪ Use to connect to LAN port of the PC when using a computer and Internet phone with sole internet connection.
LINE	▪ Use to connect to the regular telephone line.

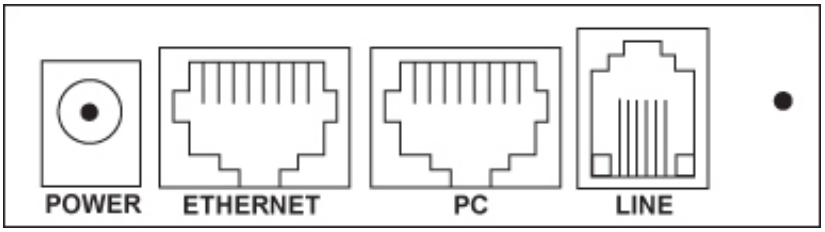


Figure 1) D21 Rear Panel

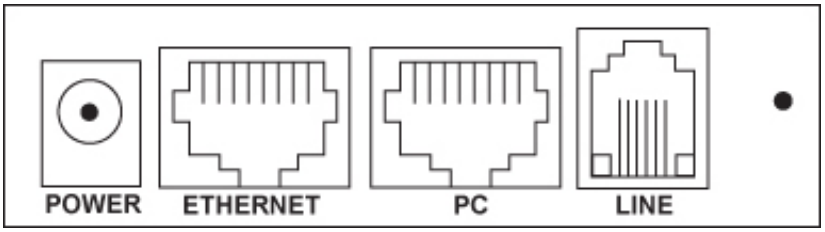


Figure 2) V20 Rear Panel

2. PRE-INSTALLATION CHECK LIST

2.1. Power Requirements

- AC Voltage : External power adapter (100V-240V, 50/60Hz).
- Please use only the power adapter provided with the Internet Phone.
- For additional power adapter, please ask your service provider.

Safety

Should liquid or solid object get into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Do not place the unit in surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

Installation

Do not install the unit in an extremely hot or humid place or in a place subject to

excessive dust or mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such s thinner or benzene as they might damage the finish of the unit.

2.2. Storage Requirments

- Operating Temperature : 32˚F to 131˚F (0℃ to 55℃)
- Relative Humidity : 10% to 85%

2.3. User Requirements

Before you start, please ask your local ISP or network administrator for an Internet account from

User	ISP Requirement	Common
Static IP User	IP address Gateway Subnet mask DNS	▪ H.323 ID ▪ E.164 Number ▪ Gatekeeper IP address
DHCP User		
PPPoE User	User ID Password	

Dial-up User	ISP Telephone number User name Password	

2.4. Component Check List

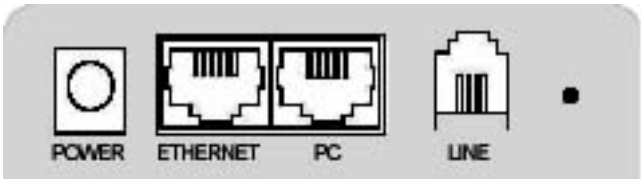
Open the box of Teliphone and make sure all the components are included in the box.

The following is the pictures of Teliphone 3200 components. The picture can be different with the actually models of Teliphone.

Teliphone X 1 Handset X 1 Coiled Cord X 1	Power adaptor X 1	Ethernet Cable only in D21/V21	User Manual X 1

3. INSTALLATION

3.1. Connecting Cables



STEP 1 Connect the Ethernet line that came from the Internet leased line, cable modem, or ADSL modem to the Ethernet port of the Internet Phone.

STEP 2 (Option) Connect the PC port of the Internet Phone to the LAN port of PC with a LAN cable. (Available only when using the phone and PC.)

STEP 3 (Option) Connect the PSTN line to the PSTN port of the Internet Phone.

STEP 4 Connect the power port to the power source with a power adaptor.

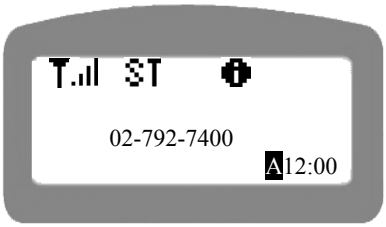
.

3.2. Booting Up process

STEP 1 If the cable connection is completed properly, the Internet Phone will start booting automatically.

- Wait for a while till the rebooting will be completed.

STEP 2 If the booting is completed properly, the following display will appear.



• It's ok if you can see the icons, user name, phone number, time, etc.

3.3. Quick Setup

STEP 1 Press the 'menu' Key on the key pad.

STEP 2 Select '5: Setup'. [See 4.2. Setup section]

STEP 3 Enter the password for user authentication. Default: Admin[20021218], User[0000].

STEP 4 Set 'Network' [See 4.2.2. Network Setup section]

Mode Select [See 4.2.2.2 Mode Select section]

You can select one of Static IP, PPPoE, and DHCP for your network.

(If you are not sure of your network, see also 4.2.2.1. Automatic Network Detection section)

NAT Setup. [See 4.2.2.3. NAT section]

STEP 5 Set "Call Setup'. [See 4.2.3 Call Setup Section]

You need to enter G/K Address, H.323 ID, On-net No. etc.

STEP 6 Set "Modem" if and only you use Dial-up connection to get the IP. [See 4.2.4 Modem section]

You need to enter the name, Tel No, ID, PW for a profile.

4. GETTING STARTED WITH MENU

4.1. Menu Structure

Call Log	Rcvd Calls	
	Dialed Calls	
	Tx/Rx Calls	
	Delete All	
Phone Book	Find Number	By Index
		By Name
	Add	
	Memory Dial	M1/ M2/ M3
	* Delete All	
Ring/Volume	Ring Select	Ring 1
		Ring 2
		Ring 3
	Volume	
* Setup	My Phone	My Name
		* User PWD

	*Admin PWD		
	Area Code		
Network	Auto Detect	NetDetect	
		Mac Clone	
		Mac Restore	
	Mode Select	LAN(Static)	IP
			Subnet Mask
			Gateway
			DNS
		DHCP	
		PPPoE	PPPoE ID
			PPPoE PWD
	NAT	Enable	IP
			Subnet Mask
		Disable	
	Link Speed	LAN	
		PC	

Call Setup	Service	Use GK	
		GK Address	
		H323ID	
		Phone No.	
		Dft GW	Enable
			Disable
		PLAR	Enable
			Disable
	Codec	Preferred	
		Jitter Delay	
Modem	Time-out		
	Select Profile	ISP 1(Name)	
		ISP 2(Name)	
		ISP 3(Name)	
	Edit Profile	ISP 1(Name)	Name
		ISP 2(Name)	Tel No.
		ISP 3(Name)	ID
			PW
	Speaker	On/Off	
Time	Time Server		

		Time Zone
		Summer Time
	PSTN	Flash Time
		Dial Type
		County Code
	Default	Tel Book/List
		Settings
Information	Network	
	Version	
	Mac Address	
Reboot		

4.2. Setup

This section includes important but basic information for setting the internet phone. To setup the Internet phone, you may need to input some characters or numbers into the input line. Please study the following instruction on key input prior to setup.

Note : Key Input Instruction

Some setup menus support a few character input mode, English lower-case, English capital, numeric, and special characters or symbols. In an input mode, if you press 'Menu' key, the input mode will be toggled to another one in order. For example, the input mode will be changed from :English lower-case to :English-capital, and to :numerical, and to :special characters in order.

When you enter name into the input line, please use the navigation key on the key pad to move to the left or right in the input line. Use 'Delete' key to delete the characters or numeric, and the cursor will move to the left erasing the character.

When you enter the phone number into the input line, please press 'Menu' key until you can see the icon on the right of the first line.

When you enter the special characters into the input line, please press 'Menu' key until you can see the icon on the right of the first line. Please use '0' key on the keypad to select the desired special character.

For English characters, press the number key corresponding to the alphabet more

than once till you can get the desired alphabet.

4.2.1. My Phone

Navigation	Menu → 4: Setup → User Authentication → My Phone

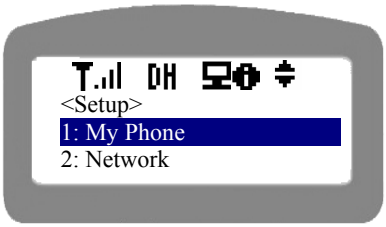
User can change the name that is displayed on the upper menu through 'My Phone' menu.

STEP 1 Press 'Menu' key on the keypad.

STEP 2 Select '4. Setup'.

STEP 3 Enter the password for user authentication.

STEP 4 Select '1: My Phone'.

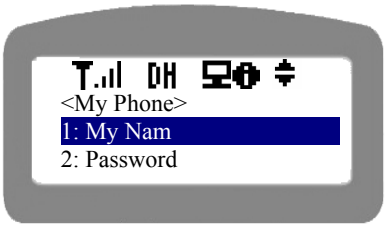


- Use navigation key to select the menu, or press the menu number.
- Press 'Cancel' key to return to the upper menu.

4.2.1.1. My Name

This menu is to edit the name to be displayed on the LCD.

STEP 1 Select '1: My Name'.

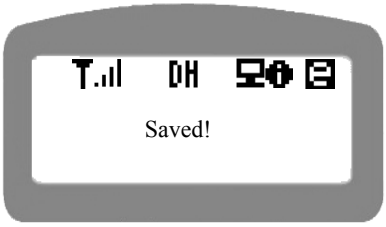


- Use navigation key to select the menu, or press the menu number.
- Press 'Cancel' key to return to the upper menu.

STEP 2 Enter the user name for the Internet Phone.

- You can enter the name up to 15 characters in alphabet, numeric, or special characters.

STEP 3 Press 'OK' key to save the changed settings.

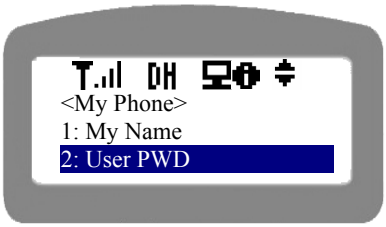


- The left message will appear when the saving process is completed.

4.2.1.2. User Password

This menu is to change the user password used for Internet phone Setup. The Internet phone has two levels of password system, administrator password and normal user password. In normal user mode, the admin password menu will not be displayed. The password change process is same in both cases. Here the password change for normal user only will be given.

STEP 1 Select '2: Password' in the phone menu selection.



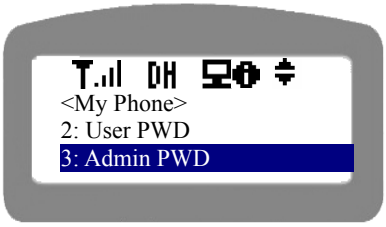
- Use navigation key to select the menu, or press the menu number.
- Press 'Cancel' key to return to the upper menu.

STEP 2 The icon 1 will appear. Enter the new password for normal user. You can enter the password up to 15 digits.

- Press 'OK' key to save the new password or "Cancel' key to return to the upper menu without change.

4.2.1.3. Admin Password

STEP 1 Select '3: Admin Password' in the menu selection.



- Use navigation key to select the menu, or press the menu number.
- Press 'Cancel' key to return to the upper menu.

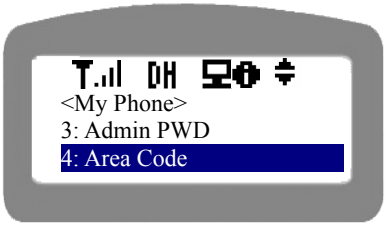
STEP 2 The icon 1 will appear. Enter the new password for admin user. You can enter the password up to 15 digits.

- Press 'OK' key to save the new password or "Cancel' key to return to the upper menu without change.

4.2.1.4. Area Code

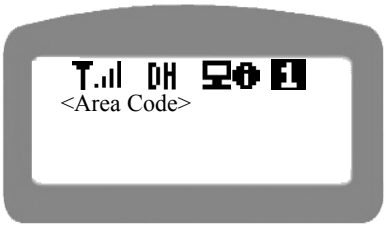
Area Code is the number to designate the destination area along with the country code. This menu allows user to set the area code (number) to be added before the dialed number automatically within a country. This area code will be added automatically for all the dialed numbers. Please be careful to remove the area code by pressing 'Cancel' key when making an urgent call or direct call. It will be useful if you use the Internet phone to make a call to the specific area.

STEP 1 Select '4: Area Code' to set the area code.



- Use navigation key to select the menu, or press the menu number.
- Press 'Cancel' key to return to the upper menu.

STEP 2 Enter the area code.



- Use navigation key to select the menu, or press the menu number.
- Press 'Cancel' key to return to the upper menu.

4.2.2. Network Setup

4.2.2.1. Auto Network Detection

Internet Phone has Auto network detection function, which recognizes the user's network configuration. The menu can be useful when the user is not sure whether his/her network is DHCP or PPPoE. The Internet phone detects the corresponding network and carries out the network setup process automatically. This function allows user to setup the Internet phone without difficulties even when the user is not familiar with the network glossary.

Notice: The automatic Network Detection won't work if you are using a dedicated line, ADSL MyIP, or ADSL Multi IP.

In case of the dedicated line, ADSL MyIP, or ADSL Multi IP user, refer to 'Static mode' in '4.2.2.2. Mode Select' section.

In case of the VDSL user, refer to 'DHCP mode' in '4.2.2.2. Mode Select' section.

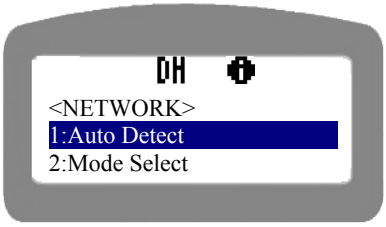
Navigation	Menu → 4: Setup → User Authentication → 2. Network → 1:Auto Detect

STEP 1 Press 'Menu' key on the key pad.

STEP 2 Select ‘4: Setup’ in main menu.

STEP 3 Enter the password for user authentication.

STEP 4 Select ‘2: Network’. Use ‘1: Auto Detect’ menu only when you can’t assure which network you are using.

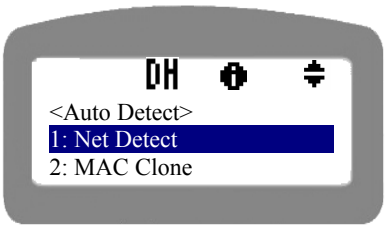


Use navigation key to select the menu, or just press the menu number.

Press ‘Cancel’ key to move to the upper menu.

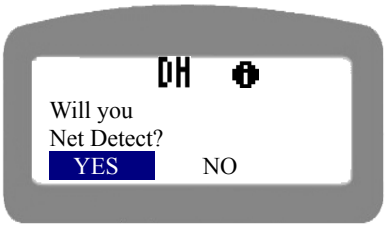
① Automatic Network Detection

STEP 1 Select ‘1: NetDetect’.



- Use navigation key to select the menu, or just press the menu number.
- Press ‘Cancel’ key to move to the upper menu.

STEP 2 The following message will appear. If you select ‘YES’, the Internet Phone will examine the current network. In case of Cable modems, the setup will be applied after rebooting. In case of PPPoE user, the message that asks ID and password will appear. For example, the PPPoE user can see the following display. In other case, please refer to the message that appears on the LCD.

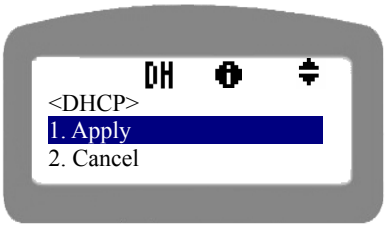


- Use navigation key to select 'YES' or 'NO'.
- Press 'Cancel' key to move to the upper menu.

STEP 3 The following screen will be displayed.

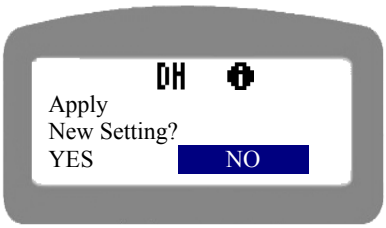
- Use navigation key to select the menu, or just press the menu number.
- Press 'Cancel' key to move to the upper menu.

STEP 4 For example, the network is DHCP, you can see the following display.



- Use navigation key to select the menu, or just press the menu number.

STEP 5 Decide whether you will apply the new setting or not.

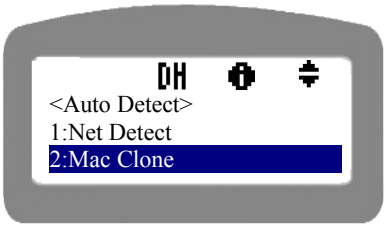


- Use navigation key to select the menu, or just press the menu number.

② MAC ADDRESS Cloning

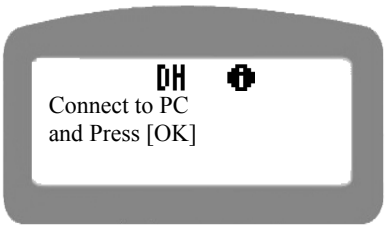
This menu is to assign the MAC address of PC to LAN port of the Internet phone. Some ITSP uses the MAC address of the LAN card installed in the PC for user authentication. In this instance, the MAC address of the Internet Phone must match the Mac address of PC LAN card. This function which allows for this matching is called Mac Cloning. Please use this function only when needed.

STEP 1 Select '2: Mac Clone' in the menu selection.



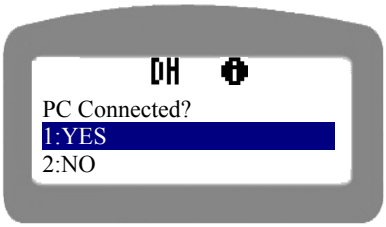
- Use navigation key to select the menu, or just press the menu number.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Connect the Internet phone to the PC with LAN cable and press 'OK' button.



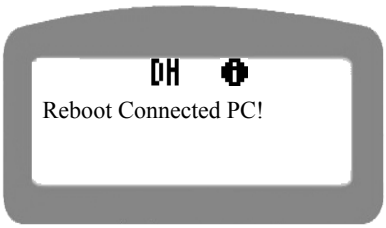
- Press 'OK' button if you have connected the Internet phone to your PC.
- Press 'Cancel' key to return to the upper menu.

STEP 3 Please make sure that the PC is connected to the Internet phone with LAN cable.



- Use the navigation key or menu number to select the menu, and press 'OK' button.
- Press 'Cancel' key to return to the upper menu.

STEP 4 There will be a message indicating restarting the PC.



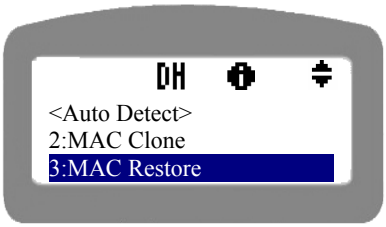
- Please wait for a few minutes.

※ Warning: At this time, the PC should be in DHCP mode. This screen will be displayed until the PC rebooting is finished. Once rebooting is completed, the computer's MAC Address will be selected to match the telephone's MAC Address (MAC Cloning). This is merely a step in order to set up a normal network

③ MAC Restore

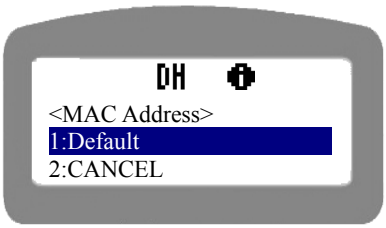
This menu is to restore the MAC address of the LAN port that has been changed by MAC cloning. By MAC restoring, user can restore the MAC address of the LAN port to the MAC address at the time of factory shipment.

STEP 1 Select '3: MAC Restore'.



- Use Navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 2 Select '1: Default'.



- Use Navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 3 The following display will appear.

- Please wait till the rebooting is completed.

4.2.2.2. Mode Select

Navigation	Menu → 4: Setup → User Authentication → 2: Network → 2:Mode Select

This menu allows user to select the proper network manually for Internet Phone setup. If you don't know the kinds of your network, please use "Auto Network Detection' menu. [See 4.2.2.2]

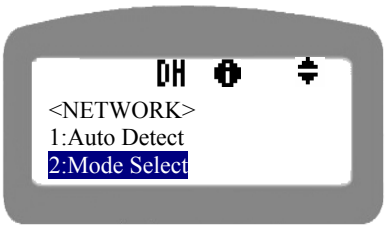
STEP 1 Press ‘Menu’ key.

STEP 2 Select ‘4: Setup’ in main menu.

STEP 3 Enter the password for user authentication.

STEP 4 Select ‘2: Network’.

STEP 5 Select ‘2: Mode Select’.

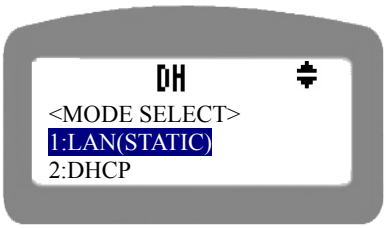


- Use navigation key to select the menu.
- Press ‘Cancel’ key to return to the upper menu.

① Static IP User

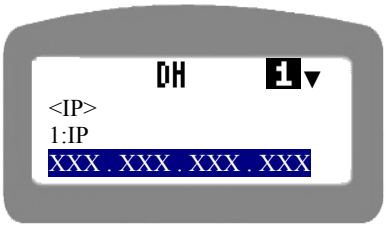
If you are a static IP user, please select this menu and setup the static related settings required for using the Internet phone.

STEP 1 Select ‘1: LAN (Static)’ in menu selection.



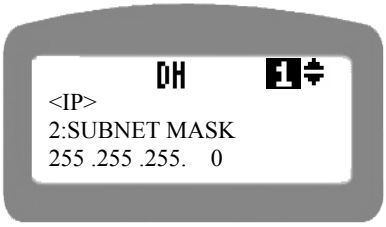
- Use Navigation key to select the menu.
- Press ‘Cancel’ key to return to the upper menu.

STEP 2 Enter the IP address of the Internet Phone, and press ‘OK’ button. Please use “Del” button to delete the existing setting, and enter the new setting.



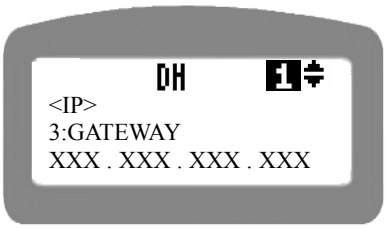
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the Subnet Mask address, and press 'OK' button. Please use "Del" button to delete the existing setting, and enter the new setting.



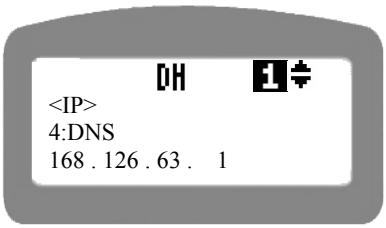
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 4 Enter the Gateway IP address, and press 'OK' button. Please use "Del" button to delete the existing setting, and enter the new setting.



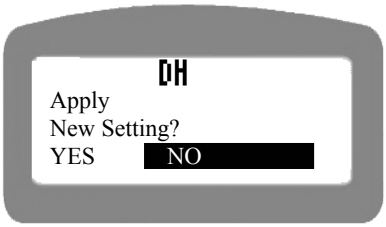
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 5 Enter the DNS Server IP address, and press 'OK' button.



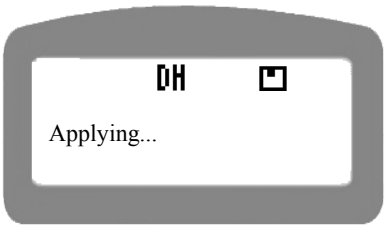
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 6 If you want to apply the new setting, press 'OK' button.



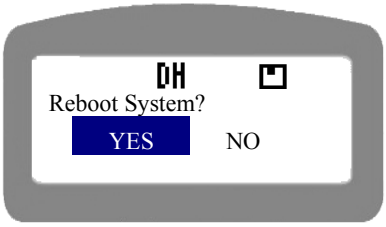
- Use Navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 7 The following display will appear for about a few seconds.



- Please wait a moment.

STEP 8 Select 'YES' to reboot the Internet Phone.



- Please wait till the rebooting process will be completed.

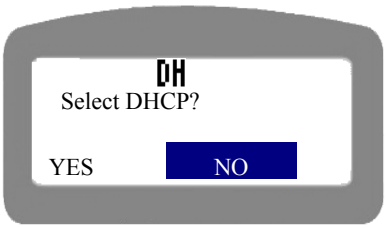
② DHCP (Cable Modem) User

If you are a cable modem user or using a DHCP network, please select this menu and setup the needed settings.

STEP 1 Select '2: DHCP' in menu selection.

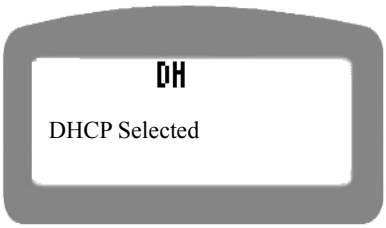
- Use Navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 2 Select 'YES' to select DHCP, and press 'OK' button.



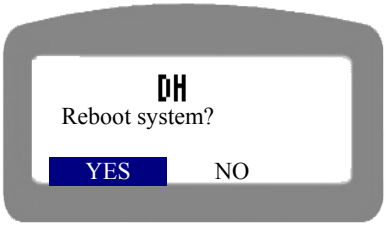
- Use navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 3 You can see the following display for about a few seconds.



- Please wait for a few seconds.

STEP 4 Select 'YES' to reboot the system.



- Use navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

There are cases in which Internet access is possible only when the PC is connected directly to the cable modem. In this case, the PC that connected to the Internet phone will not get the internet connection properly. This is because some cable Internet

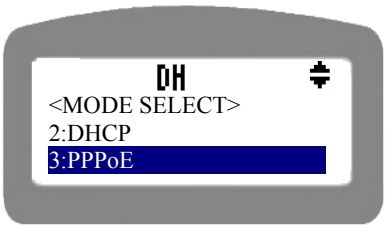
providers use the Mac address of the LAN card of the PC for authentication. In this case, please reset the cable modem memory by turning off its power, and turn it on again. If the cable modem is turned on, turn off the power of the Internet phone. After a few minutes, turn on the power of Internet phone again, and see if the Internet connection can be done from the PC.

③ PPPoE(ADSL) user

If you are a PPPoE(ADSL) user, please select this menu and setup the needed settings.

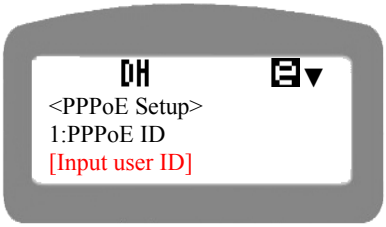
Warning : PPPoE users, before product installation, should remove the automatic ADSL connection program installed on the PC. If the automatic ADSL connection program is not uninstalled, there may be problems with Internet connection after product installation.

STEP 1 Select '3: PPPoE' to setup PPPoE related parameters.



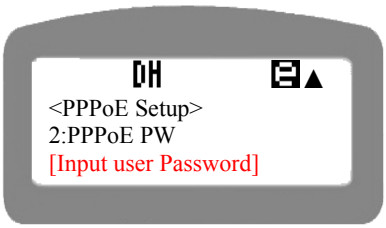
- Use Navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu..

STEP 2 Enter the PPPoE ID into the input line, and press 'OK' button.



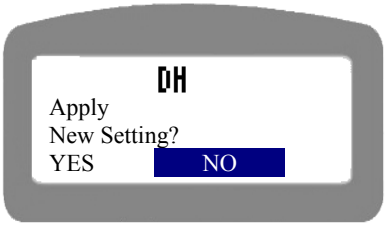
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the PPPoE password, and press 'OK' button.



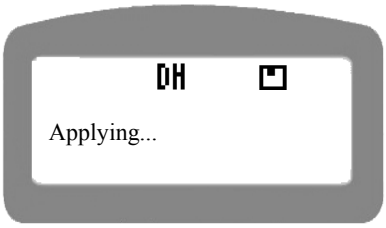
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 4 Select 'YES' to apply the new setting, and press 'OK' button.



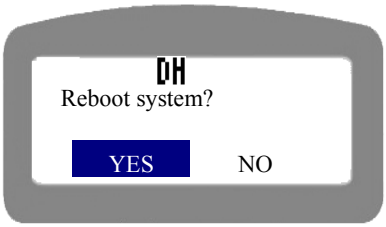
- Use navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 5 Please wait till the new setting is being applied.



- Please wait for a while.

STEP 6 Select 'YES' to reboot the system, and press 'OK' button.



- Use navigation key to select the menu.
- Press 'Cancel' key to return to the upper menu.

If you cannot obtain Internet connection, please check the registered ID and

password with the ADSL service provider, and please check if the entered Password is entered correctly in the IP Phone.

It may take rather long time for the phone to get the connection to the ADSL service provider. In this case, Internet Phone will continuously attempt to make a connection, so please wait for a while.

4.2.2.3. NAT

NAT function allows user to use the IP Phone and at the same time the Internet from his/her PC with sole Internet connection. User can select whether he will use NAT feature or not, and in case of using the NAT, the IP address of the PC. To use this function, user need to setup both the phone and the PC.

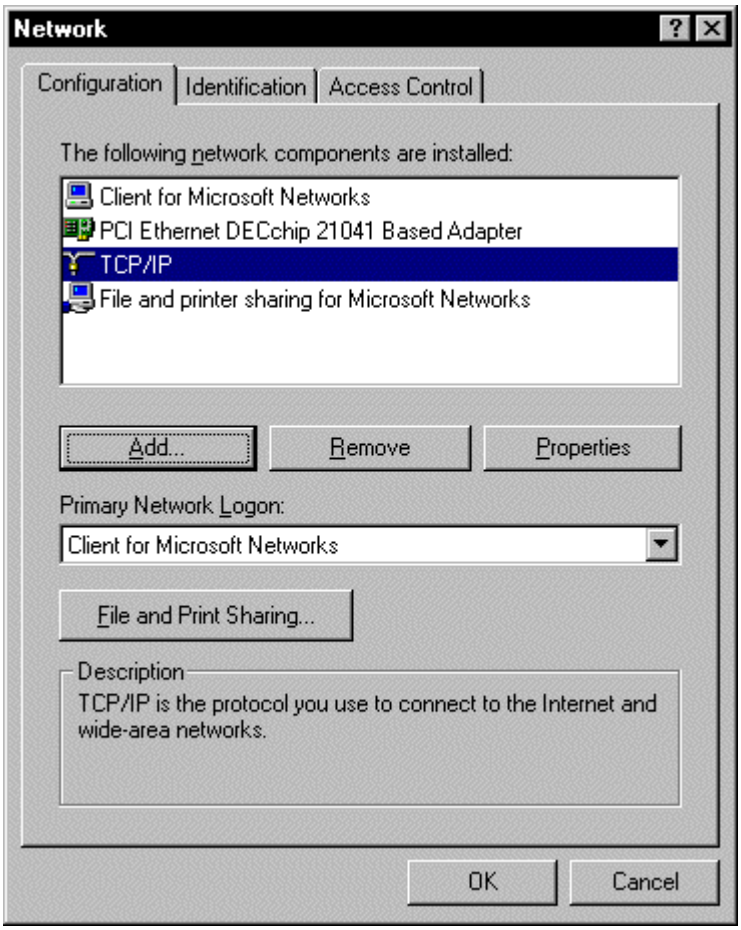
PPPoE(ADSL) users are required not to use automatic connection program. Those users who are already connected through this automatic connection program should terminate the connection or begin settings after rebooting the PC.

① Windows 95/98/ME

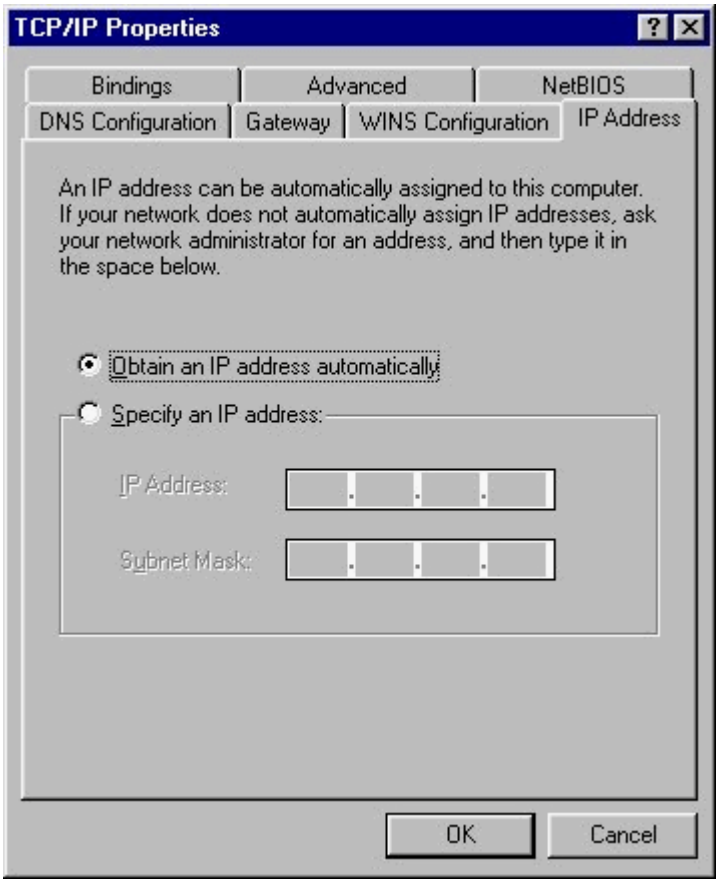
STEP 1 Select ‘Control Panel’ in the desktop.

STEP 2 Double click on ‘Network’ button.

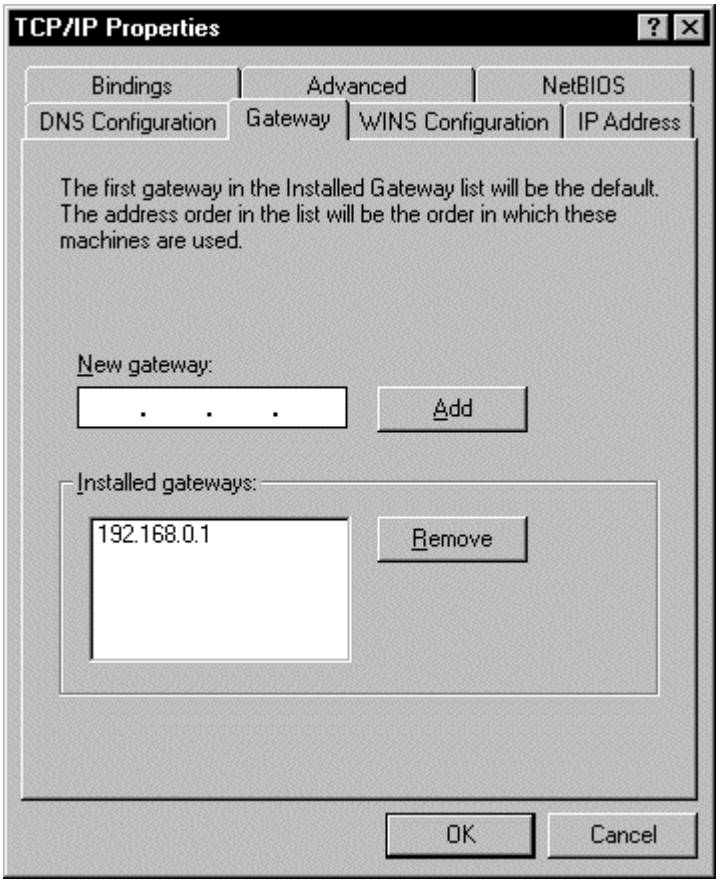
STEP 3 Select 'TCP/IP' item, and click on 'Properties' button. (Please select the 'TCP/IP' of the LAN card currently in use).



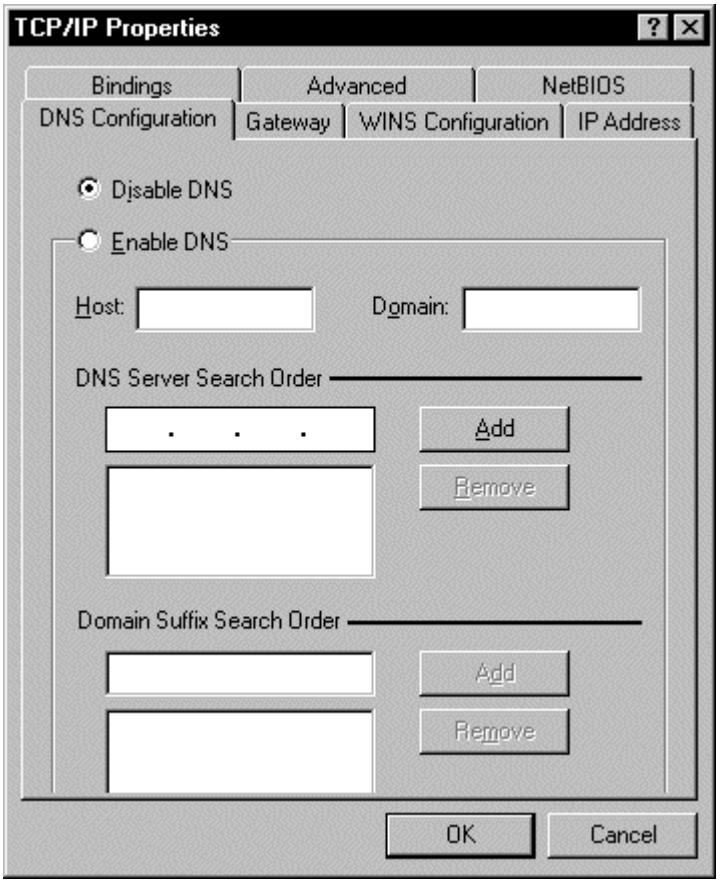
STEP 4 Check ‘Obtain an IP address automatically’ on IP address Tab.



STEP 5 Remove the current ‘Gateway’ IP address on the ‘Gateway’ tab.



STEP 6 Check ‘Do not use DNS’ on the ‘DNS Setting’ tab.



STEP 7 Click on 'OK' button. The 'Network' window will be displayed again, and after pressing 'OK' button, depending on the PC, Windows95/98/ CD will be required. Insert the Windows 95/98 CD and click on the 'OK' button. At the popup window, click 'OK' to reboot the system.

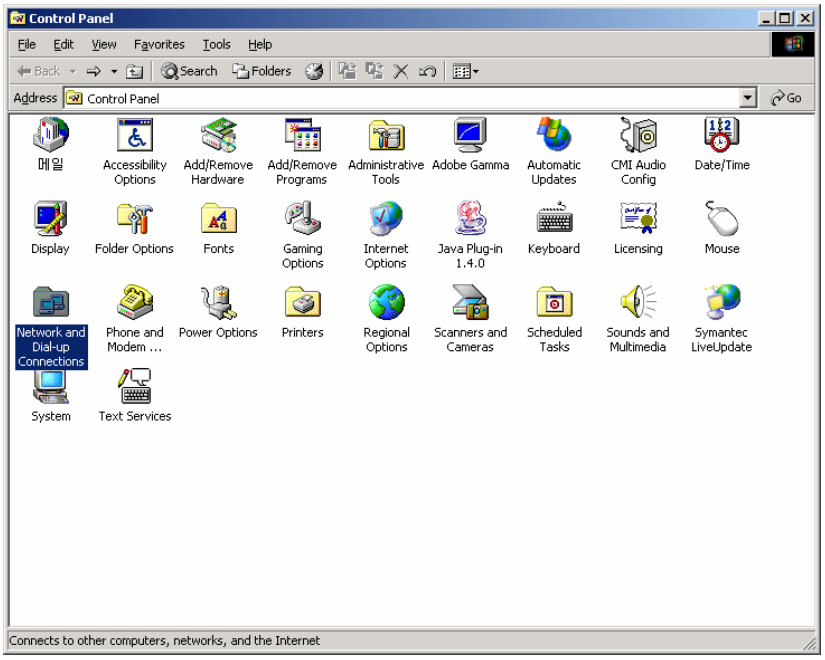
STEP 8 Once the computer is reboot, user can use the Internet in the PC.

② Windows 2000

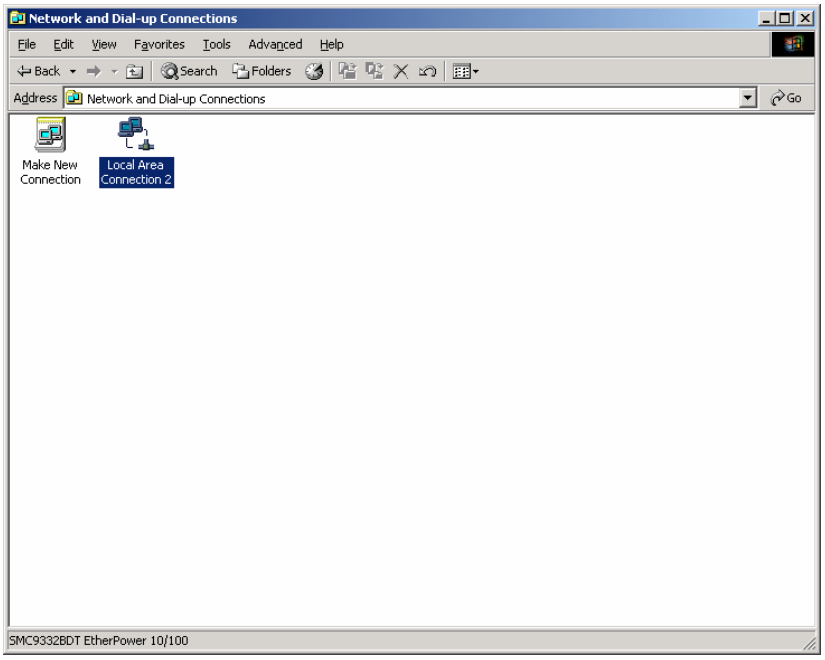
STEP 1 Press ‘Start up’ button in the bottom left of the screen.

STEP 2 Click on ‘Control Panel’.

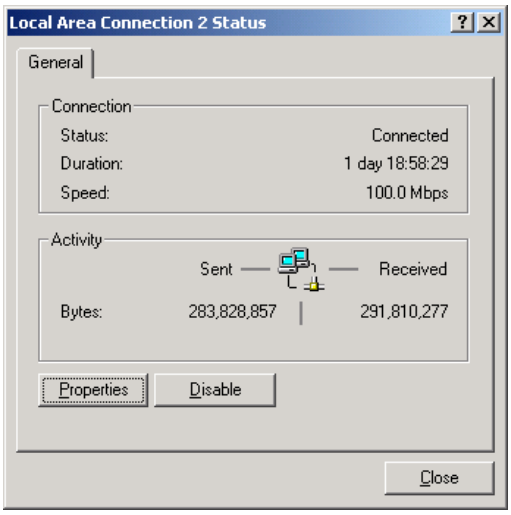
STEP 3 Click on ‘network and telephone connection’ icon.



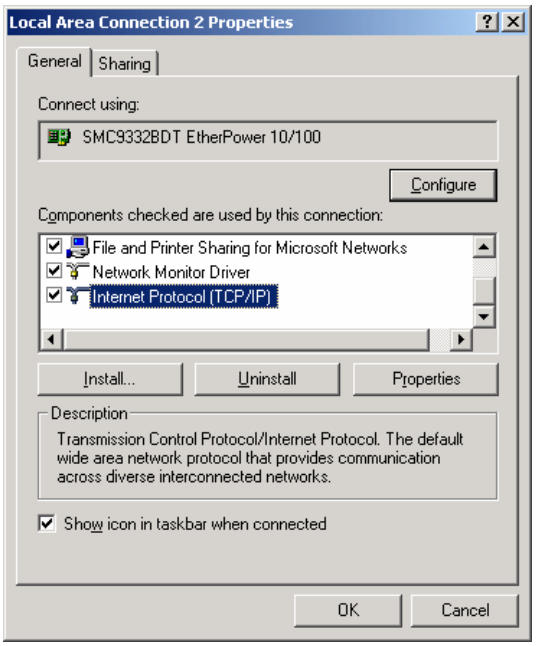
STEP 4 Double click on the ‘local network connection’ (there may be several connections depending on the user’s network, select the local network presently being used).



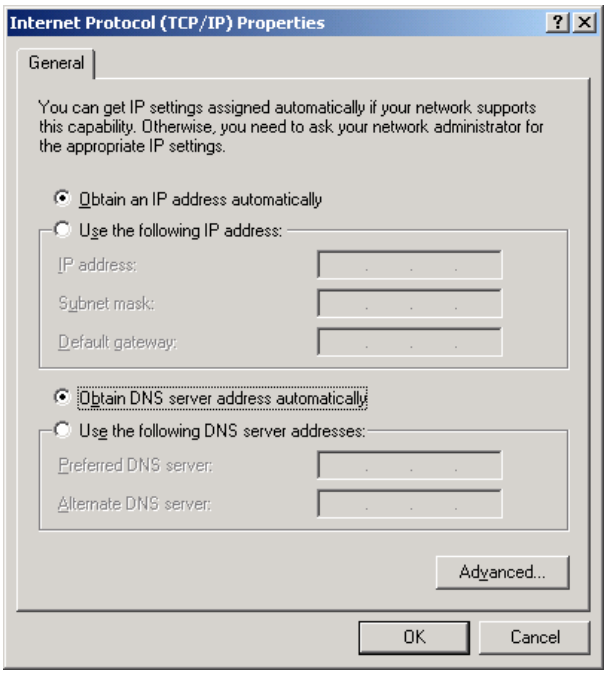
STEP 5 Click on 'Properties' of Local Area Connection status window..



STEP 6 Double click on 'Internet Protocol' (TCP/IP)', or select Internet protocol(TCP/IP) and click on 'OK' button.



STEP 7 Check 'Obtain an IP address automatically' and 'Obtain DNS server address automatically respectively, and press 'OK' button.



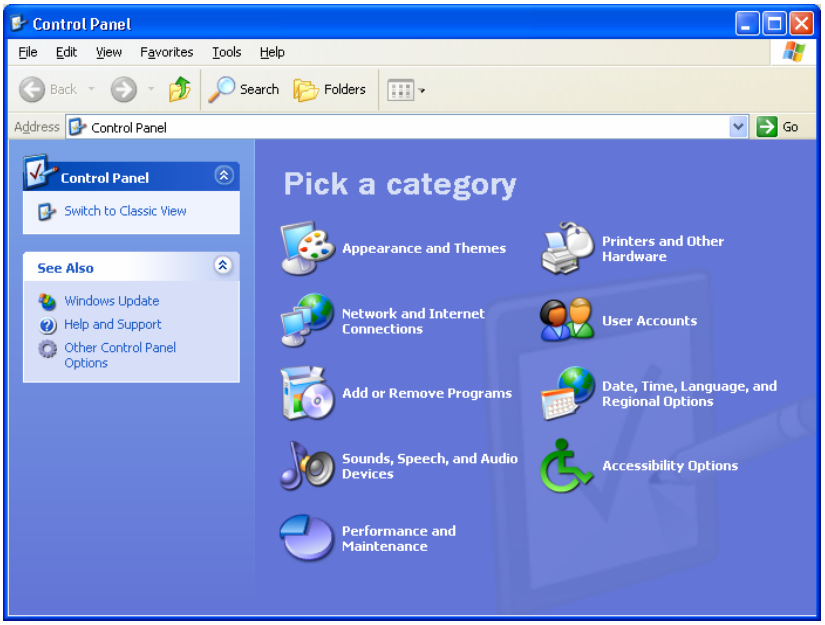
STEP 8 The 'local network connection' screen will be displayed again. Press 'OK' button and close 'network and Dial-up connection' window.

Once the setup is completed, user can use internet on his/her PC. In case of Windows 2000, the rebooting process is normally not required, but there are times when it is required.

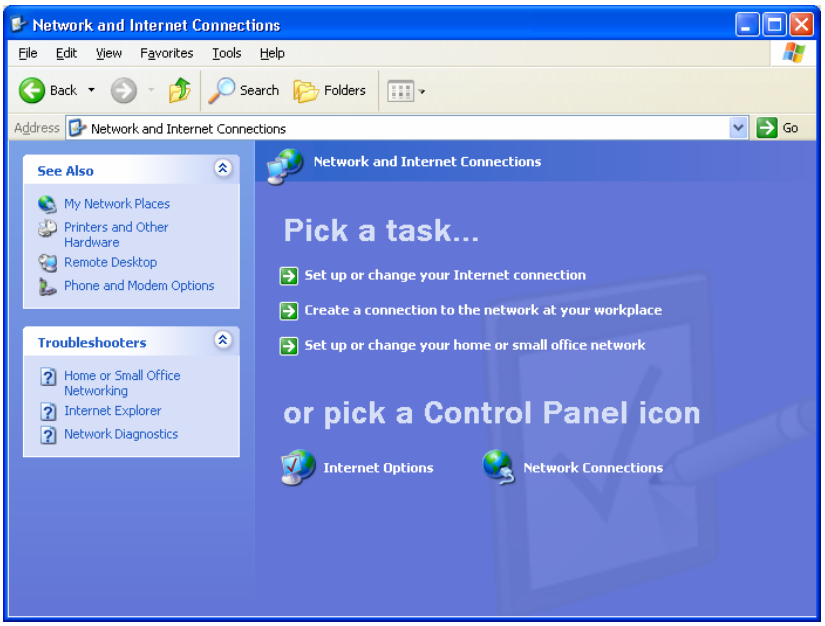
③ Windows XP

STEP 1 Press 'Start' Menu on the bottom left side of the PC screen.

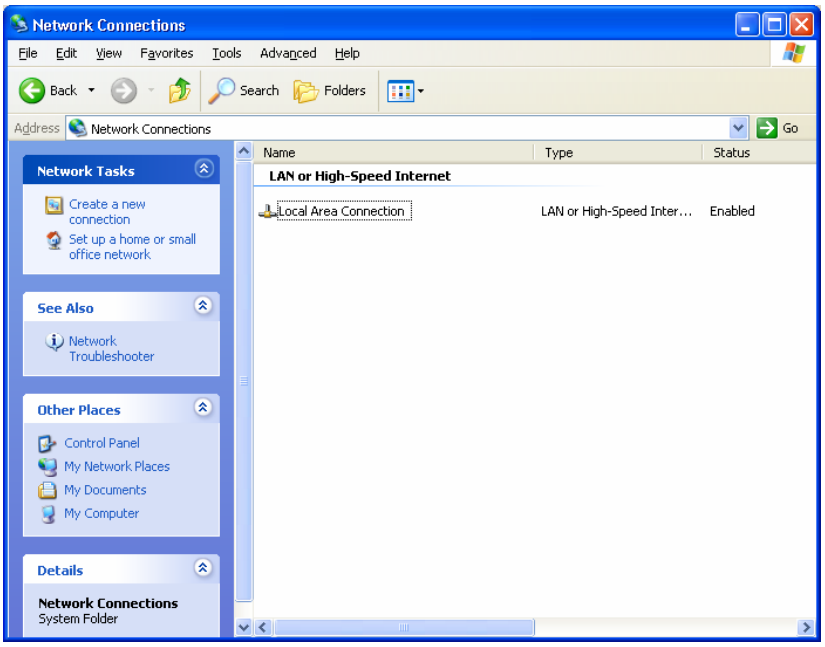
STEP 2 The following display will appear. Double click on the 'Network and Internet Connection'.



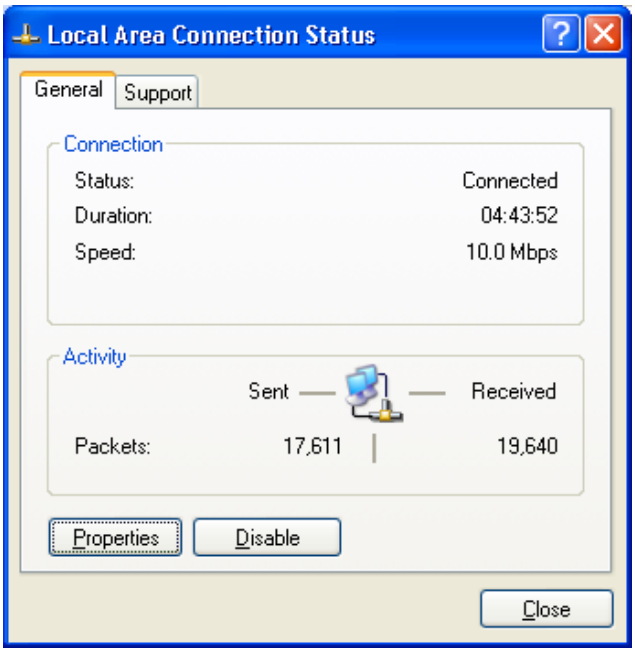
STEP 3 Double click on 'local network connection'.



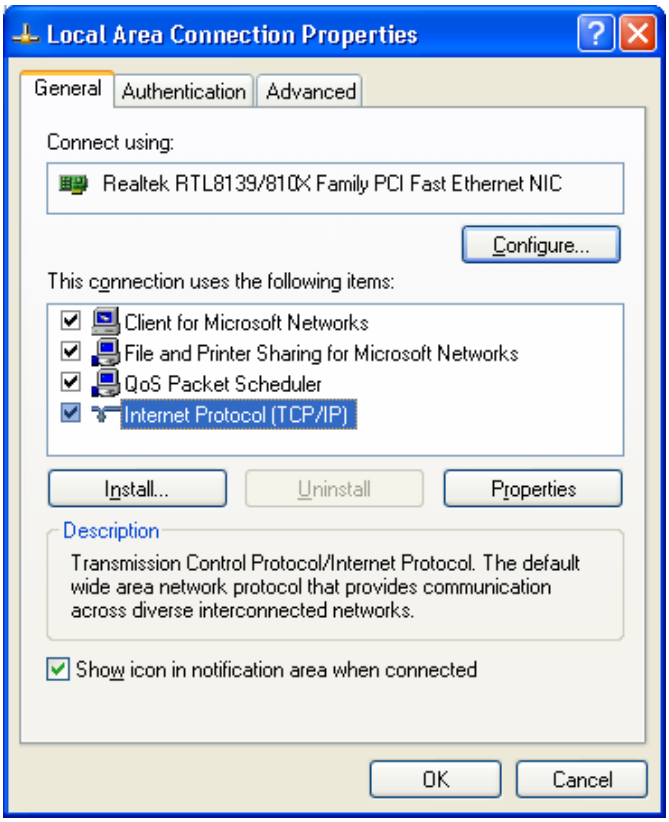
STEP 4 Double click on the 'Local Network Connection'. (There may be several connections depending on the user's network, select the local network currently being used).



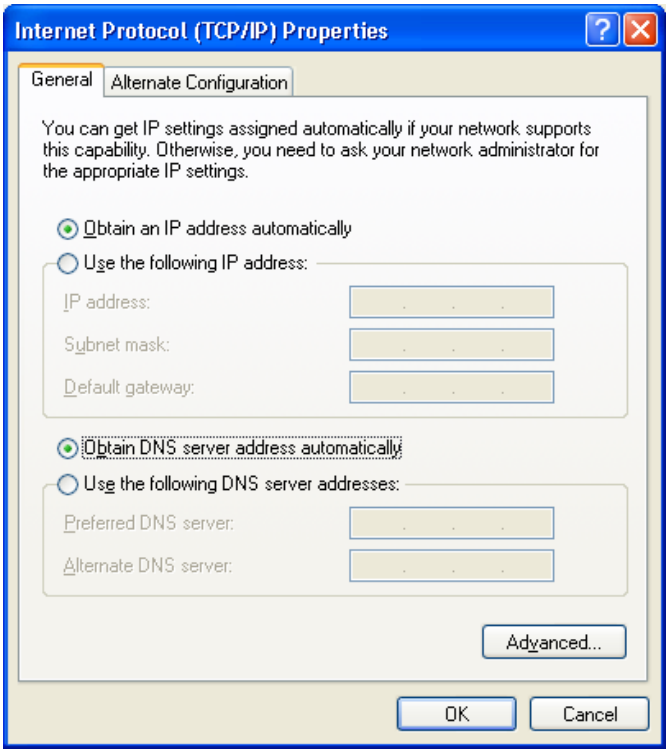
STEP 5 Click on ‘Properties’ button.



STEP 6 Select 'Internet Protocol' (TCP/IP) and click on the 'Properties' button.



STEP 6 Check 'Obtain an IP address automatically' and 'Obtain DNS server address automatically' respectively, and press 'OK' button.



STEP 7 The 'local network connection' screen will be displayed. Press 'OK' button and close all 'network and Internet connection' screens.

STEP 8 Once the setup process is finished, user can use the Internet on his/her PC.

4.2.2.4. Link Speed

This menu is to set the line rate from the Internet phone to the LAN or to the PC port. User can specify the line rate whether he will use 10M, or 'Auto link speed'. Auto

link speed will determine the link speed automatically. The default setting is 10M. If you need to specify the link speed to 10M, select ‘10M’, and in other cases, use ‘Auto’ option.

STEP 1 Press ‘Menu’ button.

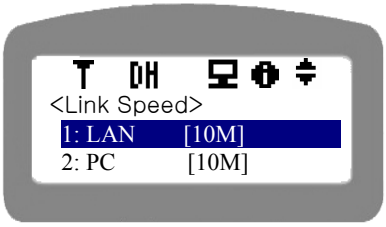
STEP 2 Select ‘4: Setup’.

STEP 3 Enter the password for user authentication.

STEP 4 Select ‘2: Network’.

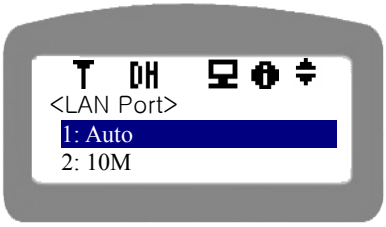
STEP 5 Select ‘4: Link Speed’.

STEP 6 You can see the following display. Please select the desired menu.



- Press ‘OK’ button or press the menu number to select the menu
- Press ‘Cancel’ key to move to the upper menu.

STEP 7 Select whether you will use ‘Auto’ or ‘10M’. If you select ‘Auto’, the phone will determine whether it will use ‘100M’ or ‘10M’. If you set the link speed at ‘10M’, the link speed will be fixed at ‘10M’.



- Press ‘OK’ button or press the menu number.
- Press ‘Cancel’ key to move to the upper menu.

STEP 8 As for Link Speed of PC port, please refer to the above description.

4.2.3. Call Setup

Navigation	Menu → 4. Setup → User Authentication → 3:Call Setup

This menu is to setup the call related setting needed to use call service through Internet Telephony Service Provider or own Gatekeeper. If these items are not set properly, the user can't use the call service.

STEP 1 Press 'Menu' button.

STEP 2 Select '4: Setup'.

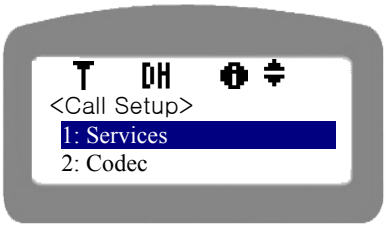
STEP 3 Enter the password for user authentication.

STEP 4 Select '3: Call Setup'.

4.2.3.1. Service

In this menu, administrators or user can setup the call related settings. Access to some menus inside of service is allowed to administrators only. Please follow the instruction given below.

STEP 1 Select '1: Service' to start the call related setting.

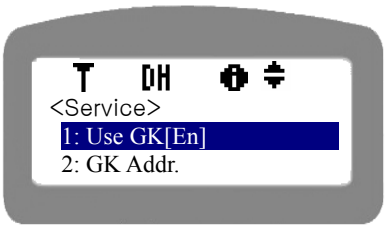


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

① USE G/K

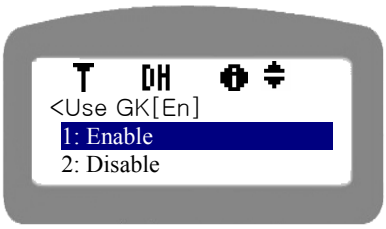
This menu is to select whether user will use Gatekeeper or not. If the user select Gatekeeper mode, the call will be routed through Gatekeeper deployed by ITSP or the internally installed to the destination. If the user select Gatekeeper disable, the internet phone will be changed to the direct mode, which means that the call will be connected between two Internet phones only. In direct mode, user can make a call by dialing the IP address of the destination device directly on key pad instead of the destination phone number. When you dial the IP address of the destination device, please use '*' for '.', for example, you can dial 'XXX*XXX*XXX*XXX' for 'XXX.XXX.XXX.XXX'.

STEP 1 Select '1: Use GK' button.



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select whether you will use GK or not.



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

② G/K address

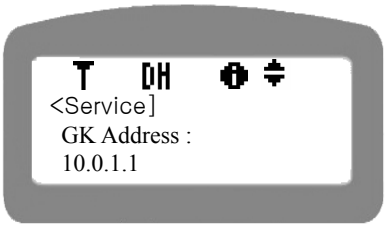
This is to enter the IP address of the Gatekeeper. If you don't know the IP address of

the Gatekeeper, please contact the Gatekeeper administrator or ITSP. Generally, this information is only for service providers.

STEP 1 Select '2: GK addr' in the menu selection.

- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Enter the IP address of the Gatekeeper. Please use navigation key to move the cursor to the input point. Also use '*' key to enter the '.' into the input line..

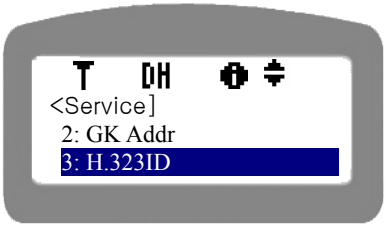


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

③ H323ID

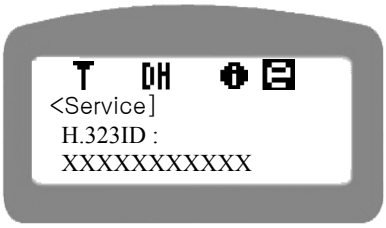
This is to enter the H.323 ID needed for user authentication by ITSP or Gatekeeper administrator. ITSP or Gatekeeper administrator will assign the H.323 ID for you.

STEP 1 Select '3: H.323 ID' in the menu selection.



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Enter the H.323 ID assigned by ITSP or your Gatekeeper administrator. Please use 'Menu' key to toggle the input mode.

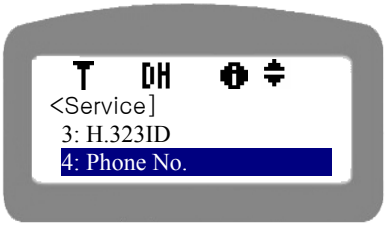


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

④ Phone No.

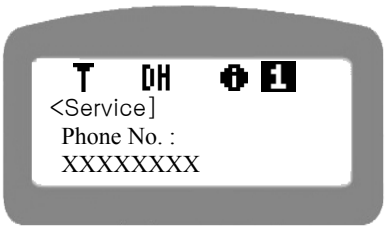
This is to enter the Phone number needed for user authentication by ITSP or Gatekeeper administrator. ITSP or Gatekeeper administrator will assign the phone number (E.164 number) for you.

STEP 1 Select '4: Phone No.' in the menu selection.



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Enter the Phone No assigned by ITSP or your Gatekeeper administrator. Please use 'Menu' key to toggle the input mode if needed.

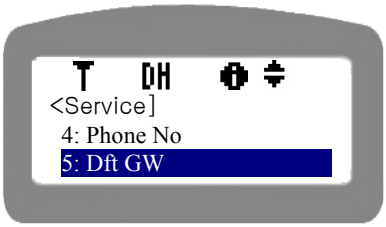


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

⑤ Default GW

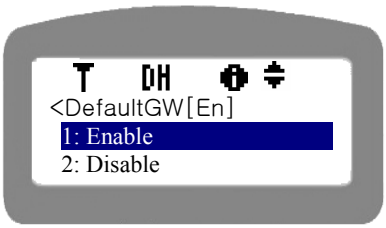
This menu can be useful when the user uses Gateway mode, which means the user uses Gateway instead of Gatekeeper for call routing. In Gateway mode, all the dialed call will be routed through the default Gateway directly. If you select Default Gateway disable, this mode will not work.

STEP 1 Select '5: Dft GW[Dis] in the menu selection.



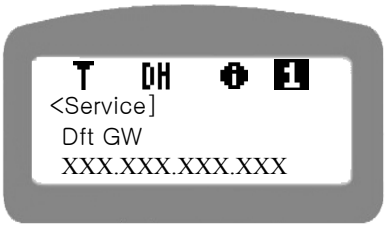
- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select '1: Enable' to have the Dft Gateway enabled, or '2: Disable' to have the Dft Gateway disabled. If you select '1: Enable', there will be a display to ask to input the Gateway IP address into the input line. For your information, if you select '2: Disable', no need to input any other information.



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the default Gateway IP address into the input line. Please use '*' key to input '.' into the input line.

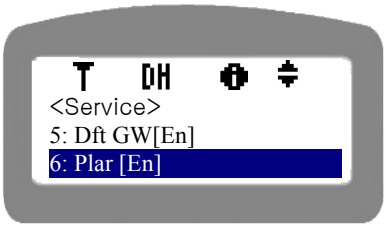


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

⑥ Plar

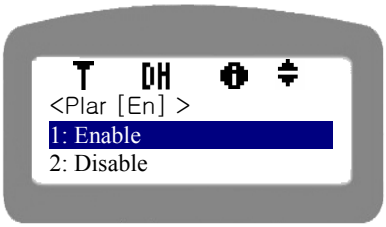
PLAR is a function to try to make a call to the preset phone number immediately after the user picks up the handset (Off Hook). For example, with PLAR mode enabled, if you have already registered a phone number through PLAR menu, when you pick up the handset, the call to the preset phone number will be made immediately.

STEP 1 Select '6: Plar [En]' in the menu selection.



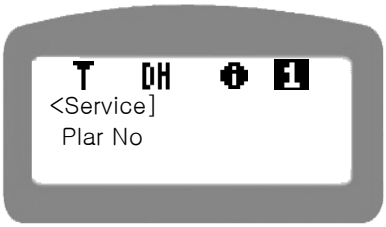
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select '1: Enable' to have the Plar mode enabled, or '2: Disable' to have the Plar mode disabled. If you select '1: Enable', there will be a display to ask to enter the Plar phone no into the input line. For your information, if you select '2: Disable', no need to input any other information.



- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the Plar phone number. The phone number entered here will be used to make a call when the user picks up the handset.

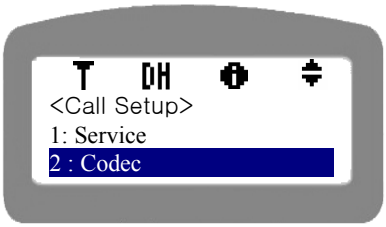


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

4.2.3.2. Codec

This menu is to select the preferred codec used in Fast start mode. The Internet phone supports G.711a, G.711m, G.723, and G.729 for codec selection. In other words, the audio capability of the Internet Phone is G.711, G.723, and G.729.

STEP 1 Select '2: Codec' in call setup menu selection.

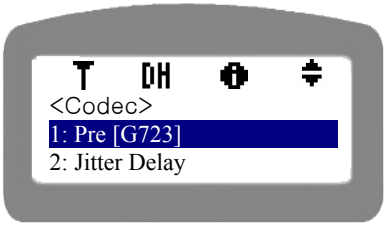


- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

① Prefer

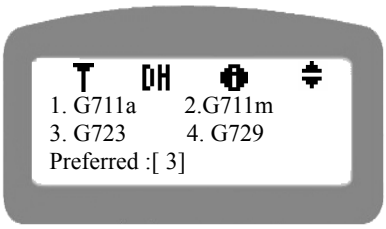
This menu is to select the preferred codec used in Fast start mode.

STEP 1 Select '1: Pre [G723]' to set the preferred codes.



- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Please use the number key to select your preferred codec. There will be a display to ask if you will apply the new setting. Select 'Yes' to apply the new setting, and you can see the preferred codec changed on LCD.



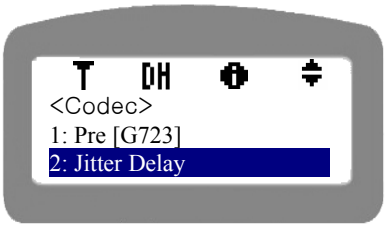
- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

② Jitter Delay

Jitter is generally understood as the interpacket delay variance; that is, the difference

between interpacket arrival and departure. Jitter is an important QoS metric for voice and video applications. This menu is to set the interpacket delay variance. The unit is in ms.

STEP 1 Select '2: Jitter Delay' to set the Jitter Delay.



- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 2 User can enter the Jitter delay value for each codec. The default Jitter delay for each codec is as follows.

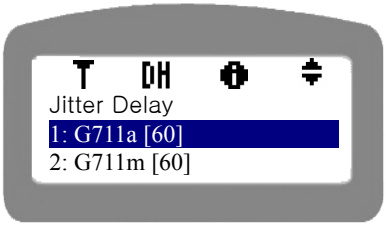
G.711a [60]

G.711m [60]

G.723 [120]

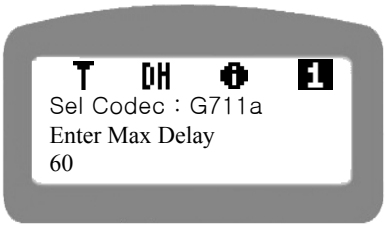
G.724 [80]

For instance, let's try to set the jitter delay for G711a. Select '1: G711a' to set the Jitter delay for G.711a.



- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the maximum Jitter delay for G711a.



- Press 'OK' button to proceed to the next step.
- Press 'Cancel' key to move to the upper menu.

4.2.4. Modem

This menu is to set the modem related settings. User can enter the information required for connecting to the dial-up ISP etc.

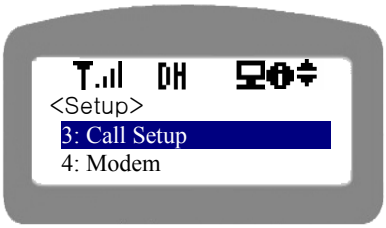
Navigation	Menu → 4. Setup → User Authentication → 4:Modem

STEP 1 Press 'Menu' button.

STEP 2 Select '4: Setup'.

STEP 3 Enter the password.

STEP 4 Select '4. Modem'.



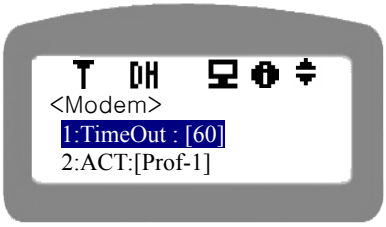
- Press 'OK' button or select the menu number.
- Press 'Cancel' key to move to the upper menu.

4.2.4.1. Time Out

This menu is to set the time value that make the dial-up modem

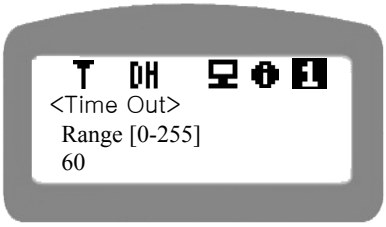
disconnected automatically after the time pre-set in case the user is not using the dial-up. The Time-out unit is minute.

STEP 1 Select '1: TimeOut'.



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Enter the Time Out value. The range is 0 ~ 255 minutes.

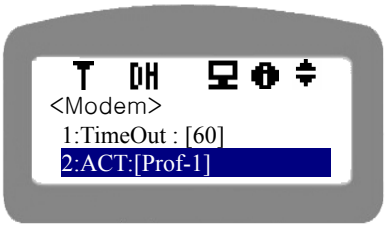


- Enter the time-out value, and press 'OK' button.
- Press 'Cancel' key to move to the upper menu.

4.2.4.2. ACT : [Prof-1]

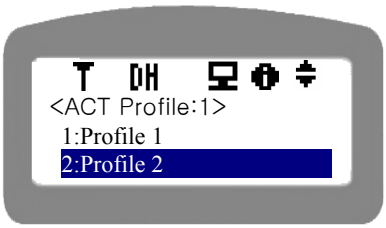
This menu is used to register the ISP account to be used to connect to a dial-up ISP. ISP account includes dial-up ISP access Phone number, User ID, and User Password. User can edit the profiles up to 3, and each profile consists of ISP TEL No., User ID, and User Password.

STEP 1 Select '2:ACT:[Prof-1]



- Press 'OK' button or select '2' key to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select the desired profile. For example, let's select '2: Profile'.

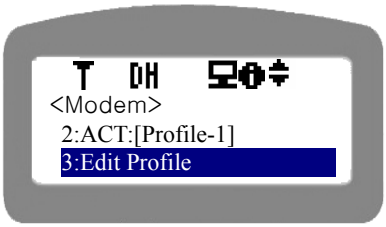


- Use the navigation key or menu number to select the menu, and press 'OK' key.
- Press 'Cancel' key to move to the upper menu.

4.2.4.3. Edit Profile

This menu is used to register the ISP account to be used to connect to a dial-up ISP. ISP account includes dial-up ISP access phone number, user ID, and user password. User can edit the profiles up to 3, and each profile consists of IST tel no., user ID, and user password.

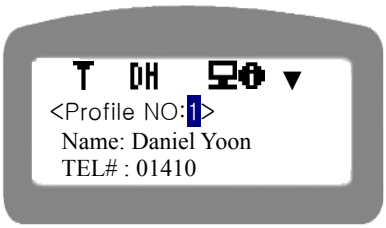
STEP 1 Select '3: Edit Profile'.



- Use the navigation key or menu number to select the menu, and press 'OK' button.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Enter the profile No. that you are going to view or edit. You can select the profile No. by the numeric key on the phone keypad. If you select the profile No.,

the corresponding information will be displayed.

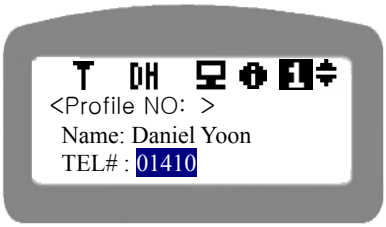


- Select the profile No., by push the numeric key.
- Use the navigation key(down arrow key) to edit the name.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the name to be used to discriminate the profile. If you want to edit the current name, use 'Delete' key.

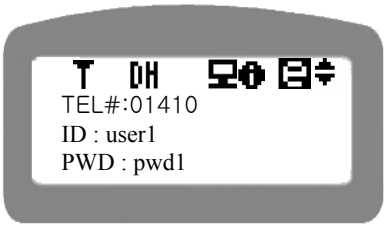
- Use 'Menu' key to toggle the character input mode.
- Use down arrow key to edit next item.
- Press 'Cancel' key to move to the upper menu.

STEP 4 Enter the dial-up ISP access Tel number.



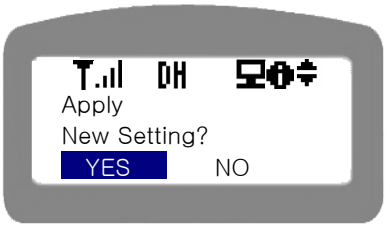
- If you entered the Tel number, press 'OK' button.
- Press 'Cancel' key to move to the upper menu.
- Use down arrow key to edit next item.

STEP 5 Enter the ID and password for dial-up ISP service.



- If you entered the ID and password respectively, press 'OK' button.
- Press 'Cancel' key to move to the upper menu.
- Use down arrow key to edit next item.

STEP 6 Press 'OK' key to save the changed setting. If there is no change, the 'OK' button will not work.

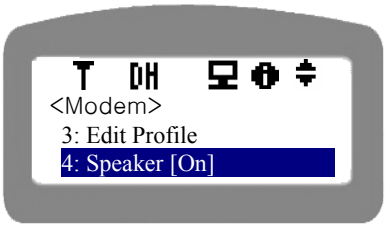


- Press 'Cancel' key to move to the upper menu.

4.2.4.4. Speaker

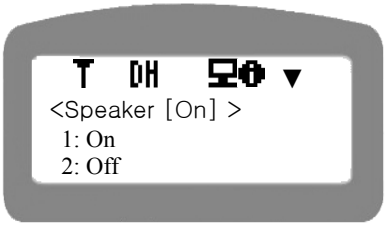
This menu is to select whether you will hear the modem connection beep sound or not. This menu allows user to select whether he will endure the modem sounds or not. Modem sound, though it is rather unpleasant to hear, it can be helpful to check the modem connection status by hearing the sound.

STEP 1 Select '4: Speaker' in menu selection.



- Use the navigation key or menu number to select the menu, and press 'OK' button.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select whether you will hear the modem sound or not. If you set the speaker heard, you can check whether the modem connection is properly carried out or not by the modem connection sounds. If the setting is changed, there will be a message to ask if you will apply the new settings.



- Select the profile No., by push the numeric key.
- Use the navigation key(down arrow key) to edit the name.
- Press 'Cancel' key to move to the upper menu.

4.2.5. Time

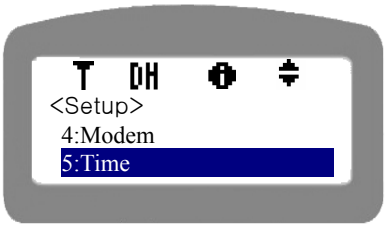
Navigation	Menu → 4. Setup → 5:Time

STEP 1 Press 'menu' key.

STEP 2 Select '4. Setup'.

STEP 3 Enter the password for user authentication.

STEP 4 Select '5. Time'. You can see the following display.

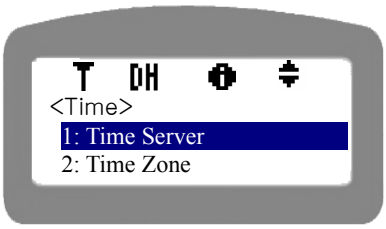


- Use the navigation key or menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

4.2.5.1. Time Server

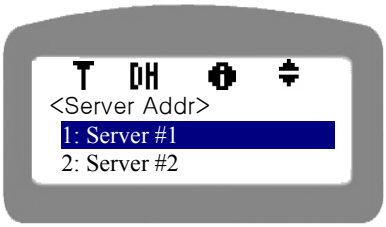
The time setting is used in the Internet phone. The preset time server is open Internet time server. In needed, the administrator can change the default time setting. But current time server is stable and consistent, therefore it is recommended to use the current time setting.

STEP 1 Select '1: Time server' to edit the time server IP address.



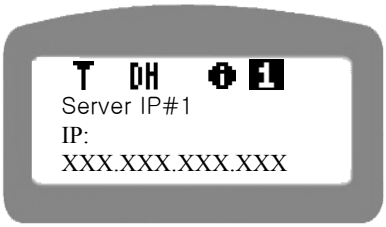
- Use the navigation key or menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select the desired server number. Total 3 time server list is supported. For instance, let's try with Server #1.



- Use the navigation key or menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the IP address of the Time server. If you press 'OK' button, the IP address will be saved and you can return to the upper menu.



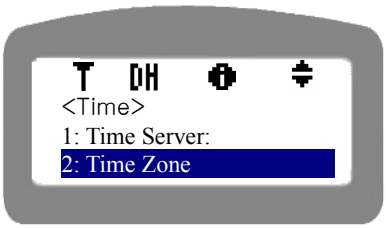
- Use the navigation key or menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

You can set up Timer server IP address up to 3 in this way..

4.2.5.2. Time Zone

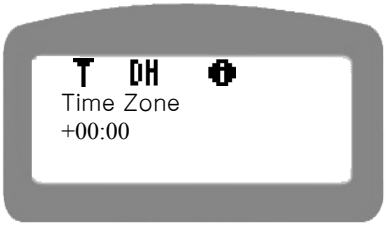
This menu is to set the time zone at your location.

STEP 1 Select '2: Time Zone'.



- Use the navigation key or menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Set the Time Zone. Please use the navigation key to set the Time Zone.



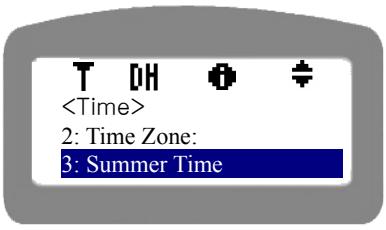
- Use up and down arrow key to change between '+' and '-'.
- Use left and right arrow key to move to the next item.
- Press 'Cancel' key to move to the upper menu.

STEP 3 If you set the Time Zone, press 'OK' key to save and move to the upper menu.

4.2.5.3. Summer Time

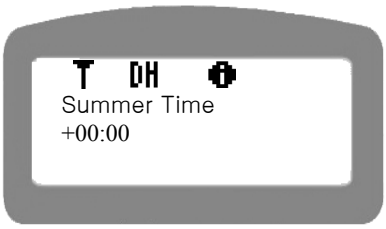
The purpose of Summer Time is to reduce wasted morning daylight by making the active period of the day (largely fixed by civil time) earlier in real time; clocks are put ahead by an hour for the Summer time period. This menu is to apply the summer time for your real time.

STEP 1 Select '3: Summer Time'.



- Use the navigation key or menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Set the Summer Time. Please use the navigation key to set the Time Zone.



- Use up and down arrow key to change between '+' and '-'.
- Use left and right arrow key to move to the next item.
- Press 'Cancel' key to move to the upper menu.

STEP 3 If you set the Summer Time, press 'OK' key to save and move to the upper menu.

4.2.6. PSTN

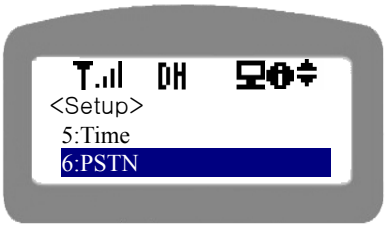
Navigation	Menu → 4. Setup → User Authentication → 6:PSTN

STEP 1 Select ‘Menu’ key.

STEP 2 Select ‘4. Setup’.

STEP 3 Enter the password for authentication.

STEP 4 Select ‘6: PSTN’.

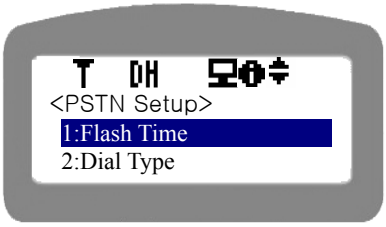


- Press ‘OK’ button or select ‘2’ key to select the menu.
- Press ‘Cancel’ key to move to the upper menu.

4.2.6.1. Flash Time

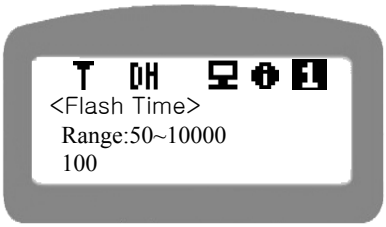
Flash Time is the time to recognize the Flash. The range is 50 ~ 10,000ms. The default is 300 ms.

STEP 1 Select ‘1: Flash Time’.



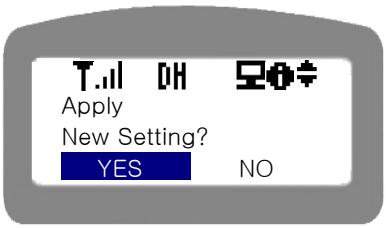
- Press ‘OK’ button or menu number to select the menu.
- Press ‘Cancel’ key to move to the upper menu.

STEP 2 Enter the Flash Time range. The range is 50~10000.



- Press 'OK' button or select '2' key to select the menu.
- Press 'Cancel' key to move to the upper menu.
- Default setting is 100.

STEP 2 Press 'OK' button to apply the changed setting.

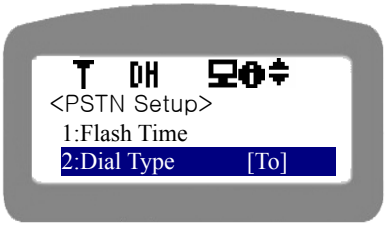


- Press 'Cancel' key to move to the upper menu.
- Use down arrow key to edit next item.

4.2.6.2. Dial Type

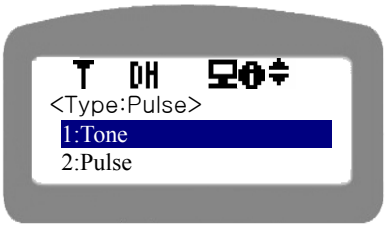
This menu is to set the dial type in PSTN mode. There are two types of dialing method in PSTN mode, tone and pulse. Tone is electronic dial type, while Pulse is mechanical dial type.

STEP 1 Select '2: Dial Type'.



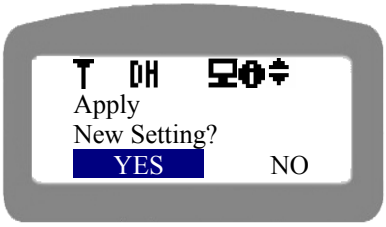
- Press 'OK' button or select menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select the dial type used in PSTN. You can select Tone or Pulse.



- Press 'OK' button or press the menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Select 'YES' to save the dial-type setting, and in other case, just select 'No'.

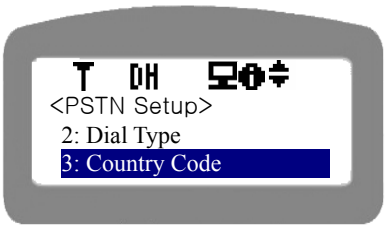


- Use navigation key to select 'YES" or 'NO'.
- Press 'Cancel' key to move to the upper menu.

4.2.6.3. Country Code

Every country has its own specific characteristics in their PSTN or Modem system. This menu is to select the country in which the Internet Phone is installed, which enables to meet each country's requirements for PSTN or Modem. The country code in the setup menu is a manufacturer index, but not the international dial code.

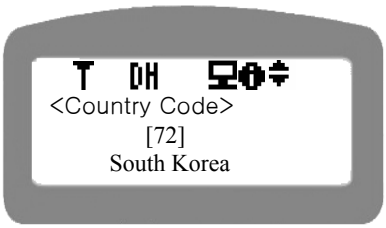
STEP 1 Select '3: Country Code' menu in menu selection.



- Press 'OK' button or press the menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select the country the Internet phone is located in and press 'OK' button.

Please use the navigation key (up and down arrow key) to select the country code.



- Press 'OK' button to save the country code setting.
- Press 'Cancel' key to move to the upper menu.

4.2.7. Default

Navigation	Menu → 4. Setup → User Authentication → 7:Default

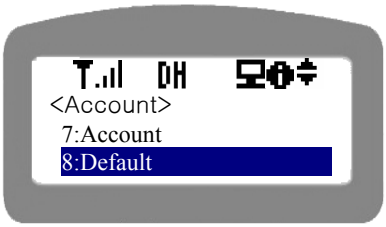
This menu is to reset the phone to the default setting. User can reset the settings or empty the phone book and delete all the phone number lists. Use this menu only when needed.

STEP 1 Press 'Menu' key.

STEP 2 Select '4 Setup'.

STEP 3 Enter the password for user authentication.

STEP 4 Select '8. Default'.

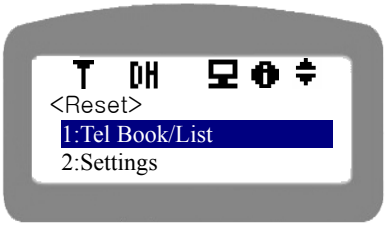


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

4.2.7.1. Phone Book/List Reset

This menu is to set the call log, phone book, and memory dial list to default, that is to delete them. Make sure whether the information might well be deleted before phone book/list reset.

STEP 1 Select '1: Tel Book/List' on the menu selection.

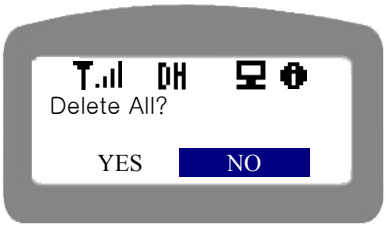


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 To clear all the phone numbers, you need to enter the password again for user authentication. Please enter the correct password, and press 'OK' button.

- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 3 If you want to delete the phone book list, and clear the phone book, select 'Yes', in other case 'No.' Please use the navigation key to select 'YES' or 'NO'.

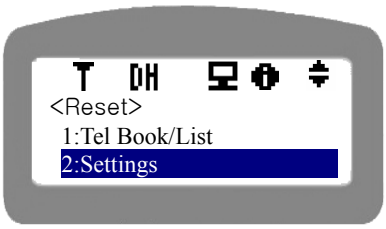


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

4.2.7.2. Settings Reset

This menu is to reset all the settings except the phone book related setting to the factory default setting. The password will be also reset to the default. Please use this menu only when inevitably needed.

STEP 1 Select '2: Settings'.

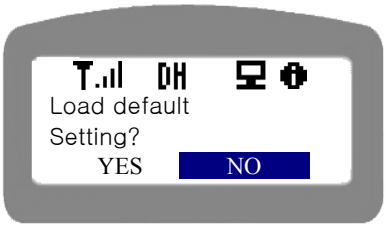


- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 2 Enter the password.

- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 3 The following message will appear. If you want to load the default setting, select 'Yes', in other case 'No.'



- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

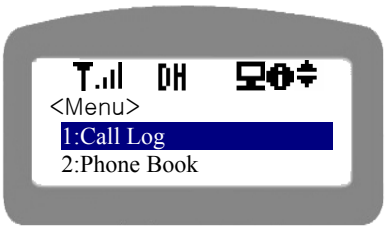
4.3. Call Log

This menu allows user to look up the transmitted and received call lists. User can look up the call lists up to 100 lists. User can make a call by using this call logs, and delete them if needed.

Navigation	"Call Log" Key Menu → 1:Call Log

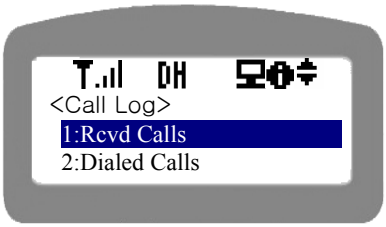
STEP 1 Press "Menu" key on the keypad in on-hook mode.

STEP 2 Select "1: Call Log".



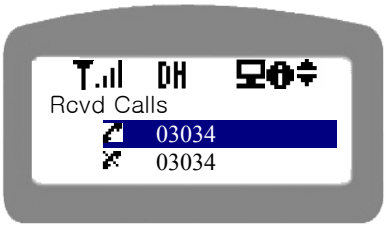
- Press 'OK' button or press the menu number to select the menu
- Press 'Cancel' key to move to the upper menu.

STEP 3 Select '1: Rcvd Calls'.



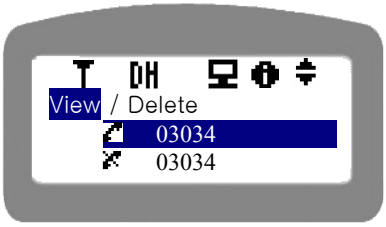
Press ‘OK’ button or select ‘1’ key.

STEP 4 Select the desired phone number in the received call lists and press ‘Menu’ button.



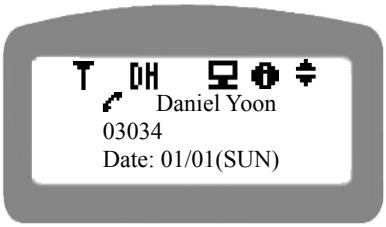
- Press ‘Cancel’ button to move to the previous screen.

STEP 5 Select ‘View’ by the left and right arrow key, and press ‘OK’ button.



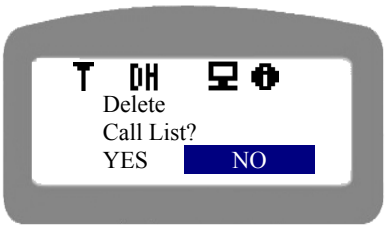
- Use the left or right arrow key to select ‘Delete’.
- Press ‘Cancel’ button to move to the previous screen.

STEP 6 View the information on the received call. You can see the information such as the caller Name, Caller ID, Date [Date/Month(day)], Call duration in minutes [HH:MM] etc.



- Use the navigation to mover to the next or previous call list.
- Press 'Cancel' key to return to the upper menu.

STEP 7 Press 'Menu' key to delete the call list. In other case, press 'Cancel' key to move to the upper menu. The deleted call list can't be recovered. Please make sure whether it is ok to delete the call list before you delete the call list.



- Use the navigation key to select the option.
- Press 'Cancel' key to return to the upper menu without deleting the call list.

4.4. Phone Book

Phone Book is used to save and find the contacts in the memory of the phone. User can also use the menu to make a call after finding the destination phone number in the phone book.

The phone book menu supports several character input mode, English lower-case, English capital, numeric, and special characters or symbols. In an input mode, if you press 'Menu' key, the input mode will be changed. The input mode will be changed from a:English lower-case to E:English-capital, and to 1:numerical, and to

#:special characters in order.

When you enter name into the input line, please use the navigation key on the key pad to move to the left or right in the input line. Use 'Delete' key to delete the characters or numeric, and the cursor will move to the left erasing the character.

When you enter the phone number into the input line, please press 'Menu' key until you can see the 1 icon on the right of the first line.

When you enter the special characters into the input line, please press 'Menu' key until you can see the # icon on the right of the first line. Please use '0' key on the keypad to select the desired special character.

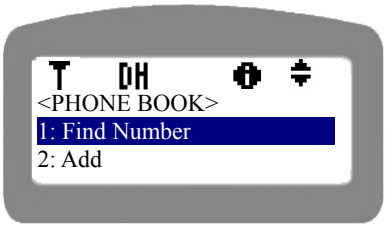
For English characters, press the number key corresponding to the alphabet more than once till you can get the desired alphabet.

4.4.1. Find Number

User can find the phone numbers either by index or name. Index means the registered address of the memory.

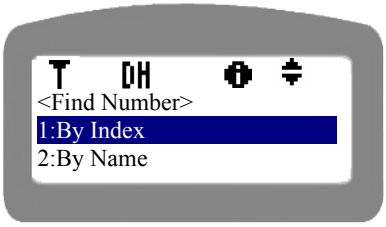
4.4.1.1. Find the number by Index

STEP 1 Select '1: Find Number' to find the telephone number registered in the phone book.



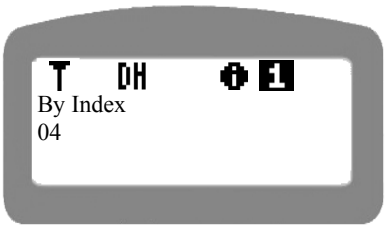
- Use the navigation key or press the menu number to select the menu, and press 'OK' button.
- Press 'Cancel' key to move to the upper menu.

STEP 2 Select either 'By Index' or 'By Name'. For example, let's try with 'By Index'.



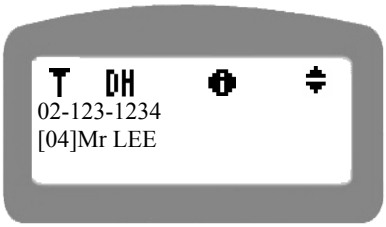
- Use the navigation key or press the menu number to select the menu, and press 'OK' button.
- Press 'Cancel' key to move to the upper menu.

STEP 3 Enter the desired Index number, and press 'OK' button.



- Press 'Cancel' key to move to the upper menu.

STEP 4 The telephone number and name corresponding to the Index number will be displayed.

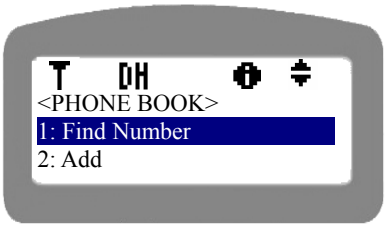


- Press ‘Cancel’ key to move to the upper menu.

STEP 5 If you want to make a call to the phone number, just pick up the handset. The call will be tried to the phone number.

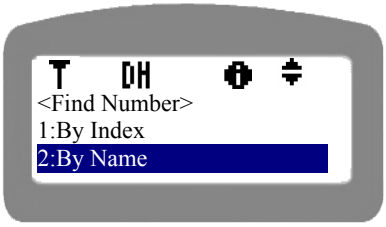
4.4.1.2. Find the number by Name

STEP 1 Select ‘1: Find Number’ to find the telephone number registered in the phone book.



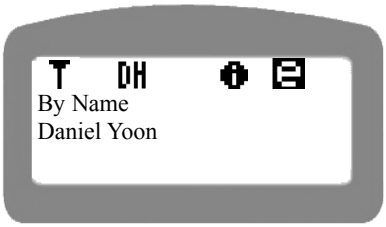
- Use the navigation key or press the menu number to select the menu, and press ‘OK’ button.
- Press ‘Cancel’ key to move to the upper menu.

STEP 2 Select either ‘By Index’ or ‘By Name’. For example, let’s try with ‘By Index’.



- Use the navigation key or press the menu number to select the menu, and press ‘OK’ button.
- Press ‘Cancel’ key to move to the upper menu.

STEP 3 Enter the desired name to find, and press ‘OK’ button.



- Press ‘Cancel’ key to move to the upper menu.

STEP 4 The telephone number and name corresponding to the Index number will be displayed.

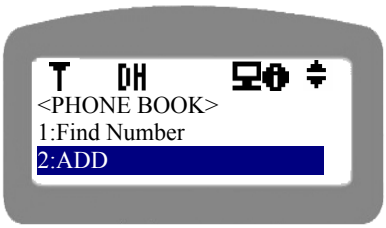
- Press ‘Cancel’ key to move to the upper menu.

STEP 5 If you want to make a call to the phone number, just pick up the handset. The call will be tried to the phone number.

4.4.2. Add

This menu is to register a new telephone number into the memory of the phone. The phone numbers can be registered up to 50 numbers.

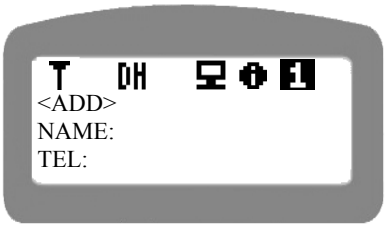
STEP 1 Select ‘2: ADD’ menu in menu selection.



- Use the navigation key or press the menu number to select the menu.
- Press ‘Cancel’ key to move to the upper menu.

STEP 2 Enter the name, telephone number and the register number(Index). Use

navigation key to move to the next item. The registering address will be used as index when finding the phone number.



- Use the 'Menu' key to toggle the input mode.
- Press 'Cancel' key to return to the upper menu.

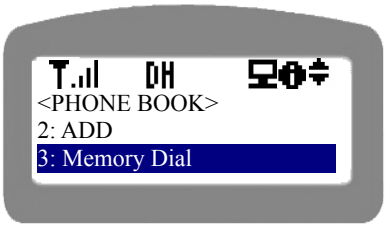
STEP 3 If you entered the name, Tel number, and address properly, you can see the following display. If you have omitted to enter the name or phone number, you can see the messages such as "No number to save!" or "No name to save!" etc.

- Please wait till this display disappears.

4.4.3. Memory Dial

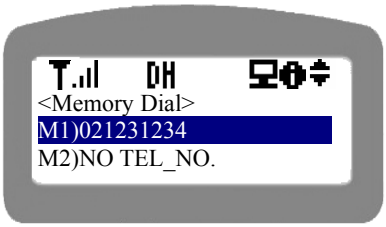
This menu is to register the frequently dialed telephone numbers in the memory of the Internet phone under three memory keys, and use to make a call by pressing just the memory key preset.

STEP 1 Select '3: Memory Dial' in the menu selection.



- Use navigations key or press the menu number to select the menu.
- Press 'Cancel' key to return to the upper menu.

STEP 2 To edit the phone number registered at memory key or register a new number to any memory key, select the desired memory key number, and press 'Menu' key.



- Use navigation key to select the desired memory key number.
- Press 'Cancel' key to return to the upper menu.

STEP 3 Enter the phone number into the input line, and press 'OK' button.

- If you want to edit the existing phone number, please use 'Delete' key to delete it and enter the new one.
- Press 'Cancel' key to return to the upper menu without change..

4.4.4. Delete All

This menu is to delete all the phone numbers registered at the phone book. But the memory dial numbers will not be deleted..

To use "Delete All" menu, the password will be required. Use this menu only when

needed.

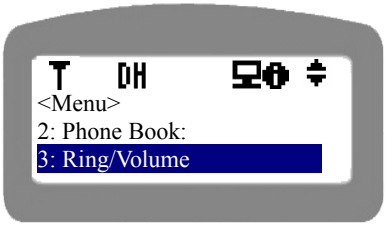
4.5. Ring/Volume

Navigation	Menu → 3:Ring/Volume

This menu is used to select the ringing tone. Currently, three kinds of bell rings are available.

STEP 1 Press 'Menu' key on the keypad of the Internet Phone.

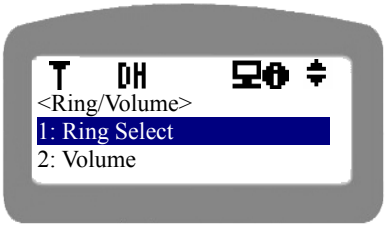
STEP 2 Select '3: Ring / Volume' menu in the menu selection.



- User the navigation key or press the menu number to select the menu.
- Press 'Cancel' key to move to the upper menu.

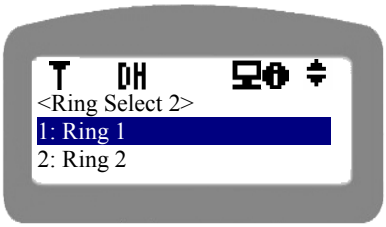
4.5.1. Ring Selection

STEP 1 Select '1: Ring Select' menu in the menu selection.



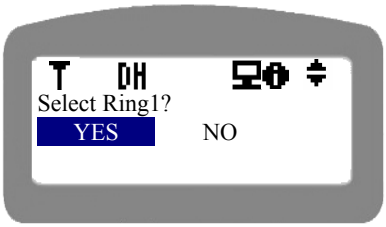
- Use navigation key or press the menu number to select the number.
- Press 'Cancel' key to move to the previous display.

STEP 2 The current ringing tone will be displayed in the second line of LCD. Select the preferred one of the three kinds of ringing tones.



- Use the navigation key or press the number of the desired one to select the ringing tone.
- Press 'Cancel' key to return to the upper menu.

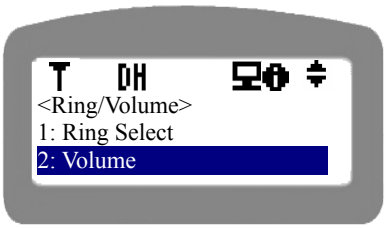
STEP 3 If you selected the ringing tone, you can see the following display on LCD. Meanwhile you will hear the ringing tone repeatedly till you select 'YES' or 'NO'.



- Use navigation key to select 'YES' or 'NO'.
- Press 'Cancel' key to move to the upper menu without changing the ringing tone.

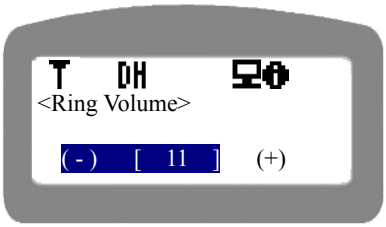
4.5.2. Ringing tone Volume

STEP 1 Press 'Volume' menu in menu selection.



- Use navigation key or press the menu number to select the number.
- Press 'Cancel' key to move to the previous display.

STEP 2 Adjust the ringing tone volume. Use the navigation key to adjust the volume of the ring tone.



- Press 'OK' button to save the volume setting and to return to the upper menu.
- Press 'Cancel' key to return to the upper menu without adjusting the volume.

4.6. Information

Navigation	Menu → 5: Information

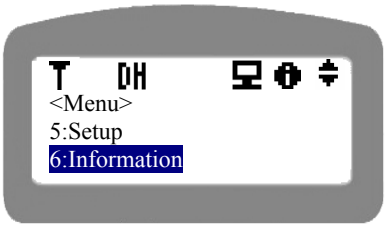
This menu is to provide users with the information on the Internet phone such as network setting and version, Mac address etc.

4.6.1. Network

This menu shows the network status the phone is employed, which includes IP address, subnet mask, default gateway, and DNS etc. In case of modem, it shows the speed of the built-in modem of the phone.

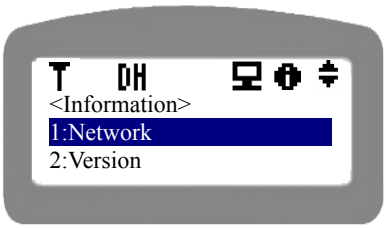
STEP 1 Press 'Menu' key.

STEP 2 Select '5: Information', and press 'OK' button.



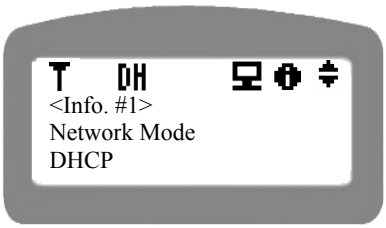
- Use navigation key or press the menu number to select the menu.
- Press 'Cancel' button to move to the upper menu or upper menu.

STEP 3 Select '1: Network', and press 'OK' button.



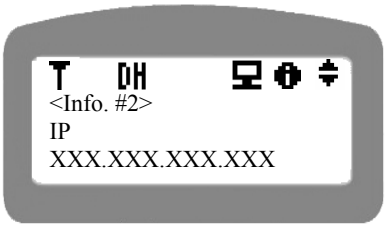
- Press 'Cancel' button to move to the upper menu.

STEP 4 You can see the network mode information. The following display shows that the current network mode is DHCP. The network mode can be either Static, DHCP, PPPoE, Dial-up, or PSTN.



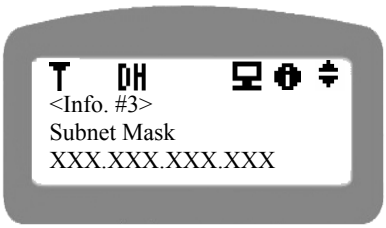
- Use navigation key to see the next information..
- Press 'Cancel' key to return to the upper menu.

STEP 5 You can see the Internet Phone IP information in the second information display.



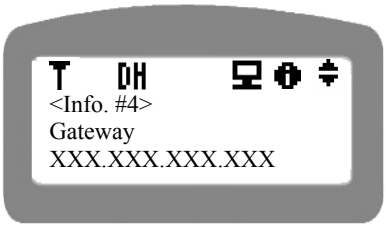
- Use navigation key to see the next information.
- Press 'Cancel' key to return to the upper menu.

STEP 6 You can see the subnet mask information in the third information display.



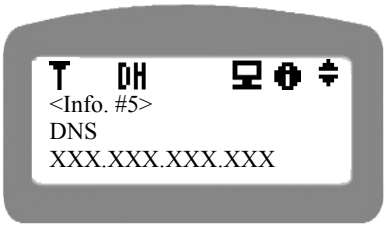
- Use navigation key to see the next information.
- Press 'Cancel' key to return to the upper menu.

STEP 7 You can see the gateway address information in the fourth information display.



- Use navigation key to see the next information.
- Press 'Cancel' key to return to the upper menu.

STEP 8 You can see the DNS address information in the fifth information display.



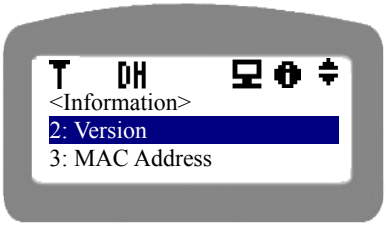
- Use navigation key to see the next information.
- Press 'Cancel' key to return to the upper menu.

4.6.2. Version

Version information is important especially when upgrading the firmware to the latest version. If you have any problem in the Internet phone, please report the version information, and the IP address of the phone to the service provider. User can get the boot ROM version and firmware version by this menu.

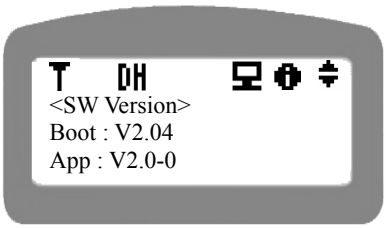
STEP 1 Press 'Menu' button on the key pad of Internet phone.

STEP 2 Select '5: Information' in menu selection.



- Use navigation key to see the next information.
- Press 'Cancel' key to return to the upper menu.

STEP 3 You can see the following display. 'Boot' means the boot ROM version, and App means the firmware version.



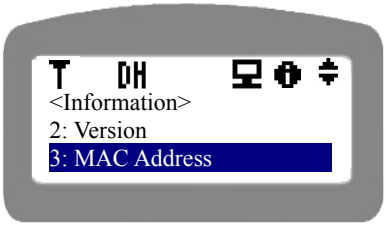
- Press 'Cancel' key to return to the upper menu.

4.6.3. Mac Address

Every hardware products has own hardware address peculiar to itself, that is, MAC address. The MAC address can be used not only by the ISP or ITSP but also by the manufacturer. When the ISP or ITSP or the manufacturer asks this information, you

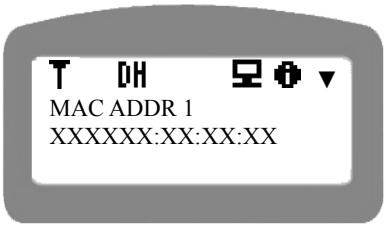
can verify the MAC address through this menu, and inform them of it. User can see both the LAN port MAC address and PC port MAC address.

STEP 1 Select 'MAC Address' menu in the menu selection.



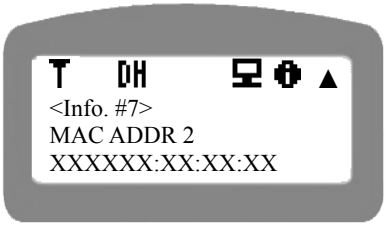
- Use navigation key to see the next information.
- Press 'Cancel' key to return to the upper menu.

STEP 2 You can see the first MAC address of the Internet phone. This is actually the MAC address of the Ethernet port of the Internet Phone.



- Use navigation key to move to the next information.
- Press 'Cancel' key to return to the upper menu.

STEP 3 You can see the second MAC address of the Internet phone. This is actually the MAC address of the PC port of the Internet Phone.



- Use navigation key to move to the next information.
- Press 'Cancel' key to return to the upper menu.

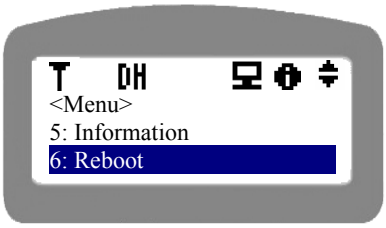
4.7. Reboot

This menu is used to reboot the system. The password is needed to reboot the system.

Navigation	Menu → 7:Reboot

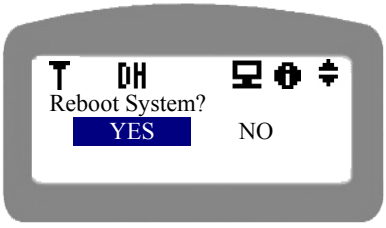
STEP 1 Press 'Menu' key on the key pad of Internet Phone.

STEP 2 Select '7: Reboot' in the menu selection.



- Use navigation key or press the menu number to select the menu.
- Press 'Cancel' key to return to the initial display.

STEP 3 If you want to reboot the Internet phone, select 'YES', and press 'OK' key.



- Use navigation key to select 'YES' or 'NO'.
- Press 'Cancel' key to return to the initial display.

5. Using Internet Phone

5.1. Making a call in Broadband Mode

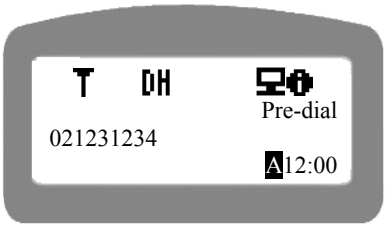
User can make or receive a call in either VoIP mode or PSTN mode. There are some differences between VoIP mode and PSTN mode. Please read carefully the following description not to make any confuse in making or receiving a call.

Notice : Use pound key(#) to make a call immediately after dialing the destination phone number in VoIP mode.

5.1.1. On Hook mode (Pre-dial)

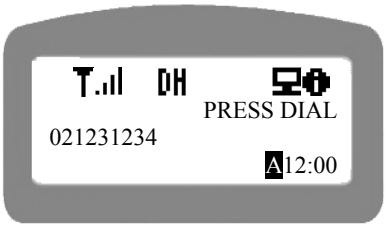
This is used to dial the destination number without picking up the handset.

STEP 1 Dial the destination number in on hook mode. The dialed number will be displayed on the LCD. (For example, 021231234).



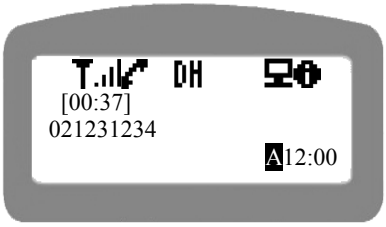
- Enter the full number of the destination device.

STEP 2 Pick up the handset. The call will be tried to the destination number automatically.



- Please wait till the call is placed successfully.

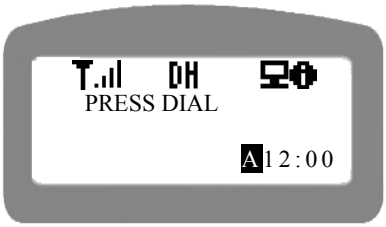
STEP 3 If the call is made to the destination TEL number, the calling time will appear on the LCD display.



- Once the call is connected to the destination party, starts to speak over the phone.

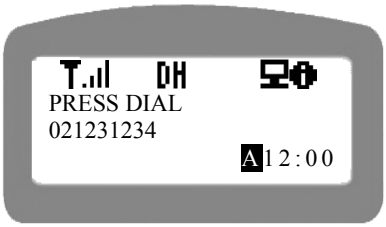
5.1.2. Placing a call in the Off Hook mode

STEP 1 Pick up the handset, and try to hear the dial tone.



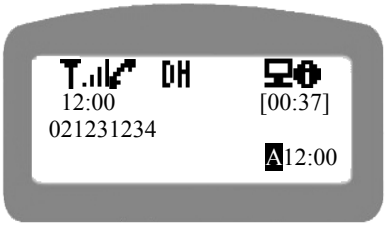
- If you want to cancel to make a call, just put down the handset on the hook switch.

STEP 2 Dial the destination telephone number.



- You can press '#' key to make the phone call immediately after dialing the destination number.

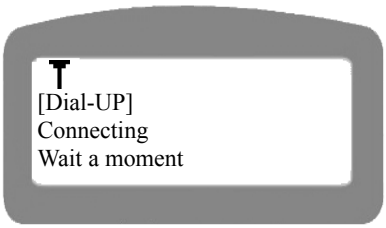
STEP 3 If the call is connected to the destination party successfully, the call starting time, and call duration time will be displayed on the LCD.



- If you can see the icon on the LCD, you can start to speak over the phone.

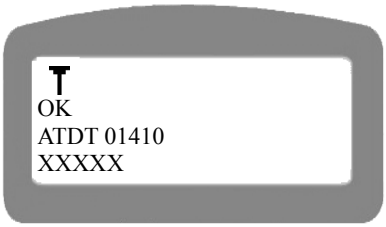
5.2. Making a call in Dial-up Mode

STEP 1 Pick up the hand set, and press Disp button on the key pad of Internet phone. The built-in modem will try to connect to the dial-up ISP preset in Modem setup.



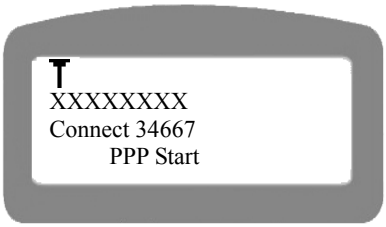
- If you want to cancel to connect to an ISP, please press 'Disp' button again.

STEP 2 If you can see 'ATDT + dial-up ISP Tel number' on the LCD, it means that the modem could connect to the dial-up ISP successfully.



- If you can't see the left display, please try again.
- If you can't see the left display even after you tried several times, please check if there is a problem in the modem.

STEP 3 If you can see 'PPP Start' message on the LCD, it means that the connection to the dial-up ISP is succeeded.

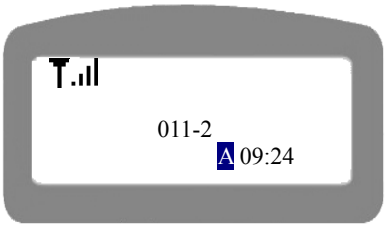


- If you can't see the left display, please try again.

STEP 4 If you can see the following display, it means that the connection is successful, and the Internet phone can obtain the IP address successfully from the dial-up ISP.

- If you can't see the left display, please try again.

STEP 5 If you can see the following display, you can dial the destination number to make a call.

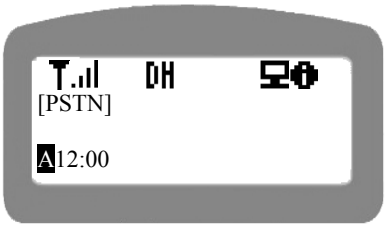


- Please wait till the Internet phone can be registered with the Gatekeeper of ITSP.
- If you can see the left display, you can dial the number.

5.3. Making a call in PSTN Mode

To use PSTN mode, you need to connect the PSTN port of Internet phone to the phone line. If and when the PSTN port of the Internet phone is connected to the PSTN network, you can make a PSTN call by pressing 'PSTN' button on the key pad of the Internet Phone. In case the Internet connection is not stable, and in this reason it's impossible to use VoIP mode, the Internet phone will be changed to the PSTN mode automatically.

STEP 1 Press the 'PSTN' key on the key pad of the Internet Phone.



- When you are using PSTN mode, you can see the [PSTN] message on the LCD.
- If you can dial tone, start dialing the destination number.

5.4. Making a call in Phone Book mode

STEP 1 Press ‘P-BOOK’ button, or press ‘MENU’ and select “2: Phone Book”.

STEP 2 Select ‘1 : Find Number’ in Phone Book menu.

STEP 3 Select either ‘By Index’ or ‘By Name’.

STEP 4 Select the desired name.

STEP 5 Pick up the handset. A dialing will be started.

5.5. Making a call in Call Log mode

STEP 1 Press ‘Call Log’ button, or press ‘MENU’ and select ‘1 : Call Log’.

STEP 2 Select either ‘Received Calls’, ‘Dialed Calls’, or ‘Tx/Rx Calls’.

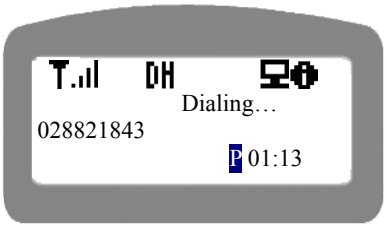
STEP 3 Select the desired number.

STEP 4 Pick up the handset. The call will be tried to the dialed number.

5.6. Redial the last number dialed

STEP 1 Pick up the handset.

STEP 2 Press ‘REDIAL’ button. The last number dialed will be dialed, showing the following display on LCD.



5.7. Memory Dial

STEP 1 Pickup the hand set.

STEP 2 Press the memory dial key [M1~M3] on the key pad of the Internet phone.

The one touch call will be made immediately.

6. Troubleshooting Guide

Problem: I cannot make a call after installation and reboot.

1. Check your Ethernet and PSTN connection to make sure that they are connected correctly – please refer to the earlier sections (Section 6) of this manual for the connection. If these are correct, please go on to the following checks.

   If you are on an ADSL modem, and the LED on the ADSL modem does not light up, please check your ADSL modem guide from your ISP (Internet Service Provider) and if there are problems with the ADSL connection or you cannot see the phone number on the last line of the LCD display, please contact your ISP. If these are not the problem, please press the menu button and select setup, network, PPPoE and check your ISP PPPoE ID and PPPoE Password and make sure that the information is correct and the correct case is used. For example, UserNameOne should have the respective upper case alphabets for U, N and O and lower case for the rest of the alphabets.

   If you are on dialup low bandwidth connection. Please press the menu button, select setup, modem, forward to edit profile and check your profile. Please check your ISP dialup number, ID and PWD and make sure that they are correctly setup under the modem setting in the menu function and the correct case is used. Please note that for dialup, the modem is already internally built and do not connect this through

another modem.

If you are a cable modem user, and cannot make call after connecting to the cable modem, please make sure the cable is connected correctly. Press the menu button, select setup, network, and mode select and then make sure that it is set to DHCP (cable modem). If these are correct, it seems that the Cable modem service provider is still retaining the hardware address of the existing PC LAN card. In this case, please reboot the cable modem.

Finally, if all the above is not your problem, do this final check. Please look into the LCD display. If you can see the flashing, please contact your ISP service provider. If you are an ADSL user, and the ADSL is set as Disable, please contact ISP service provider. If you are satisfied that all the above is in good order and you are not behind a firewall, please call your ITSP for assistance.

Problem: I have a firewall and the Internet phone cannot work within my firewall.

A. The Internet Phone can only work outside the firewall. Operation within a firewall is not supported.

Problem: I can make outgoing off-net calls to analog phone numbers but on-net calls to another Internet Phone is demonstrating only one-way audio – the recipient can hear me but I cannot hear him.

A. Check if you are on a Win 2000 Internet sharing feature that is a simple proxy application. This proxy does not support on-net calls.

Problem: The phone does not disconnect up after I hang up my call.

A. Check if your receiver is properly rested on the cradle.

Problem: I accidentally disconnect my power in the middle of my phone call and now I cannot make calls.

A. Your call might still be connected. Please call your ITSP to disconnect the call.

Problem: The modem does not disconnect after I hang up my call.

A. You will have to press the forward button again to disconnect the call. If you have a habit of forgetting to do this and you are not on unlimited access, you may wish to change the timeout in the menu setup for the modem and reduce the time-out.

However, if the modem still does not disconnect even after pressing the forward button, please report the problem to your ITSP or phone distributor.

Problem: When I am trying to input characters, the cursor does not advance to the next character.

A: The cursor will follow the last character entered. If you key in the next character, the phone will automatically insert the new character in the next space. If you need to use the same key to enter different character, use the → arrow to advance to the next space.

If none of the above describes your problem, please contact your ITSP or phone distributor.

Problem: Immediately after disconnecting the dial-up connection, I fails to connecting to the dial-up ISP even though I pressing the 'Disp" button several time.

A : When you disconnected dial-up connection, please wait for about 3 ~ 5 seconds till the line is initialized properly.

Please note the following:

i. The country code in the setup menu is a manufacturer index, not the international dial code.

ii. Please reboot after any setup changes to make sure that the setup is correctly reflected.

iii. The built-in NAT is meant for broadband connection does not work with dialup mode.

Dialup mode and PSTN calls cannot be supported concurrently. PSTN calls can only be received or made when the dialup is disconnected since the 2 modes use the same telephone line.

7. Safety Notices

Please read the following information before installing or using your Internet Phone. These safety notices apply to all the Internet Phone models.

CAUTION:

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
AVERTISSMENT RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR		
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVISIBLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

Explanation of Graphical Symbols

The lighting flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instruction in the literature accompanying the product.

PRECAUTIONS

Safety:

- Should any liquid or solid object fall inside the casing, unplug the unit and have it checked by the qualified personnel before operating it any further.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Do not place the unit in surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

Installation:

- So not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.
- The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning:

Clean the unit with a slightly damp soft cloth.

Use a mild household detergent. Never use strong solvents such s thinner or benzene as they might damage the finish of the unit.

"CAUTION: DISCONNECT TELEPHONE LINES BEFORE REMOVING THIS COVER"
"ATTENTION: DEBRANCHER LES LIGNES TELEPHONIQUES AVANT D'ENLEVER CE COUVERCLE".

Certification of Warranty

Thank you for purchasing this the Teliphone. We are trying its best striving to provide faultless products to our consumers by manufacturing best products under rigorous quality control. However, in case of a factory defect in the product despite our efforts, however, please contact the customer service center, and our technical staff will take care of your problem as soon as possible.

In the event that the product is found to be fatal defective, please contact us for a Return Materials Authorization ("RMA") number before returning the Product, freight and insurance prepaid, to our designated repair facility. Before issuing an RMA, we will require the part number, serial number, date of purchase and a description of the suspected problem.

Once we receive return of defective goods or sub assemblies, we will decide to repair or replace with new one – then we will send written notice to you containing (1) To Repair or Replace (2) estimated delivery date.

Product	
Serial No.	
Date	(MM/DD/YY)
ITSP	

Guarantee and Service

This product is guaranteed by the service provider for a period of one year, after the date of purchase against defects due to faulty workmanship or materials. The guarantee is not valid if the defect is due to:

1) accidental damage,
2) natural disasters including fire, earthquake, flood, thunder etc,
3) misuse or neglect,
4) use of wrong power,
5) use of faulty connection device,
6) repair or remodeling by others without permission.
7) wrong firmware upgrade

However, in these cases, we can repair the product at cost to the customer.