

WirelessIP 5000

VoIP WiFi Phone



User Guide

Version 2.0.0

May 2005

COPYRIGHT NOTICE

UniData Communication Systems is registered trademarks of UniData Communication Systems Inc. Other referenced trademarks are trademarks (registered or otherwise) of the respective trademark owners.

This document is confidential and proprietary to UniData Communication Systems Inc. No part of the document may be reproduced, stored, or transmitted in any form by any means without the prior written permission of UniData Communication Systems Inc.

Information furnished herein by UniData Communication Systems Inc., is believed to be accurate and reliable. The authors have used their best efforts in preparing this material. These efforts include the development, research, and testing of the theories and programs to determine their effectiveness.

However, UniData Communication Systems assumes no liability for errors that may appear in this document, or for liability otherwise arising from the application or use of any such information or for any infringement of patents or other intellectual property rights owned by third parties which may result from such application or use. The products, their specifications, and the information appearing in this document are subject to change without notice.

Printed in Korea

© 1998-2005 by UniData Communication Systems Inc. All rights reserved.

Table of Contents

1. SAFETY INFORMATION.....	3
2. PACKAGE CONTENTS	4
3. OVERVIEW	5
4. HOW THE KEY WORKS.....	6
5. ACCESSORY.....	7
5.1 GUIDELINES FOR USE OF ACCESSORY.....	7
5.2 AVAILABLE ACCESSORY.....	7
5.3 AC POWER ADAPTER	7
5.4 USB CABLE.....	8
5.5 INSERTING BATTERY	8
5.6 RELEASING BATTERY	8
5.7 CHARGING BATTERY WITH DESKTOP CHARGER.....	9
5.8 CHARGING BATTERY WITHOUT DESKTOP CHARGER.....	10
6. TIPS FOR USING BATTERY.....	11
6.1 RELEASING BATTERY	11
7. ICONS ON DISPLAY	12
8. INPUT METHOD	13
9. APPLICATION	14
9.1 OUTBOUND CALL.....	14
9.1.1 APPENDIX (OPTIONSS)	14
9.2 INBOUND CALL	15
9.3 PHONE BOOK MENU	15
9.3.1 ADD NEW ENTRY	15

9.3.2 CALL FROM PHONE BOOK	1 6
9.3.2.1 APPENDIX (SUB MENU)	1 7
9.3.3 EDIT GROUP	1 8
9.3.4 DELETE ALL.....	1 9
9.4 MESSAGE MENU	1 9
9.4.1 RECEIVED MESSAGE BOX	2 0
9.4.1.1 APPENDIX (SUB MENU)	2 0
9.4.2 WRITE MESSAG	2 2
9.4.3 TEMPORARY BOX	2 3
9.4.4 SENT MESSAGE BOX	2 3
9.4.5 DELETE ALL	2 4
9.5 CALL LOG MENU	2 5
9.5.1 APPENDIX (OPTION, DIAL MODE).....	2 6
9.5.2 SHOW MORE INFORMATION AND CALL FROM CALL LOG.....	2 6
9.6 PRESENCE MENU	2 7
9.7 SETUP MENU	2 9
9.7.1 BELL / VIB.	2 9
9.7.2 PHONE LOCK	3 0
9.7.3 ALARM	3 1
9.7.4 VOLUME	3 2
9.7.5 ERROR NOTIFY	3 2
9.7.5.1 SERVICE LAMP	3 2
9.7.5.2 ERROR MSG.	3 2
9.7.6 INFORMATION.....	3 3
9.7.7 ADVANCED	3 5
9.7.7.1 TIME.....	3 5
9.7.7.2 CONTRAST.....	3 7
9.7.7.3 FONT SIZE.....	3 7
9.7.7.4 CALLER ID	3 7
9.7.7.5 USER DATA RESET	3 7
9.8 NETWORK	3 8
9.8.1 SITE SCAN.....	3 8
9.8.2 PING TEST.....	3 8
9.8.3 NETWORK RELOAD.....	4 0
<u>10. ADDITIONAL USEFUL FUNCTIONS.....</u>	<u>4 1</u>

10.1 MULTI CALL SERVICE	4 1
10.1.1 CALL HOLD	4 1
10.1.2 CALL TRANSFER.....	4 1
10.1.2.1 ATTENDED TRANSFER.....	4 1
10.1.2.2 UNATTENDED TRANSFER.....	4 2
10.1.3 CALL SWITCH.....	4 2
<u>11 WEB CONFIGURATION TOOL</u>	<u>4 3</u>
11.1 ABOUT WEB CONFIGURATION TOOL	4 3
11.2 LOGIN PROCESS	4 3
11.3 USING THE WEB CONFIGURATION TOOL	4 4
<u>12. FAQ.....</u>	<u>4 5</u>
<u>13. GLOSSARY</u>	<u>4 6</u>
<u>14. MENU CONSTRUCTION</u>	<u>4 8</u>

List of Figures and Tables

Figure 1-1.....	4
Figure 1-2.....	4
Figure 1-3.....	4
Figure 1-4.....	4
Figure 1-5.....	4
Figure 1-6.....	4
Figure 2.....	5
Figure 3.....	7
Figure 4.....	8
Figure 5.....	9
Figure 6.....	9
Figure 7-1.....	11
Figure 7-2.....	11
Figure 7-3.....	11
Figure 8.....	12
Figure 9.....	43
Figure 10.....	43
Figure 11.....	44
Table 1.....	44

Revision History

Version	Date	Description	Release Version	
			Application	Bootrom

1. Safety Information

These safety warnings apply to the Wireless IP Phone WirelessIP 5000. Please read the following sections before Installing or using your WirelessIP 5000.

1.1 Emergency Services Warning

This phone will not be able to access emergency services during a power outage because of reliance on utility power for normal operation. Alternative arrangements should be made for accessing emergency services.

1.2 Explosive Gas Warning

The use of the WirelessIP 5000 in hazardous environments where high level of explosive gas may be Present is not recommended. Check with the site safety engineer before using any type of wireless device in such an environment.

1.3 Battery Disposal Warning

Do not dispose of the battery pack in fire or water. The battery may explode if placed in the fire.

1.4 Battery Safety Notices These Battery safety notices apply to the batteries that are approved by the WirelessIP 5000 manufacturer.

- Ø Do not disassemble, crush, puncture, or incinerate the battery pack.
- Ø To avoid risk of fire, burns, or damage to your battery pack, do not allow a metal object to touch the battery contacts.
- Ø Handle a damaged or leaking battery with extreme care. If you come in contact with the electrolyte, wash the exposed area with soap and water. If the electrolyte has come in contact with your eye, flush the eye with water for 15 minutes and seek medical attention
- Ø Do not charge the battery pack if the ambient temperature exceeds 40 degrees Celsius.
- Ø Do not keep the battery pack in temperatures above 60 degrees Celsius.
- Ø When discarding a battery pack, contact your local waste disposal provider regarding local restrictions on the disposal or recycling of batteries.
- Ø To obtain a replacement battery, contact your local dealer. Use the batteries that are provided by WirelessIP 5000 manufacturer only.
- Ø Use the power supply that is provided by WirelessIP 5000 manufacturer only.

1.5 Regulatory Compliance Standards

WirelessIP 5000 does not comply with any standards. Use only as a Marketing Sample.

2. Package Contents

The following items are included in your phone package

- Ø One phone body
- Ø One extended battery
- Ø One DC 5V 1A Adapter
- Ø One USB Cable
- Ø One Desktop Charger
- Ø One Quick Installation Guide
- Ø One CD Manual



Figure 1-1. Phone Body



Figure 1-2. Extended



Figure 1-3. DC 5V 750mA Adapter



Figure 1-4. USB Cable



Figure 1-5. Desktop Charger



Figure 1-6. Quick Installation Guide and CD Manual

3. Overview

The side and front views of the WirelessIP 5000 are depicted in **Figure 2** below



Figure 2. WirelessIP 5000 side view and front view

- 1. HEADSET JACK**
- 2. VOLUME UP**
- 3. VOLUME DOWN**
- 4. LOCK**
- 5. LEFT SOFT**
- 6. RIGHT SOFT**

- 7. MULTI FUNCTION KEY**
- 8. CLEAR**
- 9. SEND**
- 10. END**
- 11. DIAL PAD**

4. How the key works

VOLUME UP	Pressing the VOLUME UP key will increase volume of handset, or ringer.
VOLUME DOWN	Pressing the VOLUME DOWN key will decrease volume of handset, or ringer.
LOCK	Pressing the LOCK key will prevent keys being accidentally pressed by user.
LEFT SOFT	Use it for entering menu, editing something, saving phone number, and changing character input.
RIGHT SOFT	Use it for searching, going back to previous screen, shortcut to presence menu, and muting.
MULTI FUNCTION KEY	1. Menu browsing 1) Pressing the key to LEFT direction changes the display to the previous screen 2) Pressing the key to RIGHT direction changes the display to the next screen for the item you selected in either menu or setup. 3) Pressing the key to UP or DOWN direction allows you to scroll up or down the menu or setup screen. 2. Editing 1) Pressing the key to LEFT direction moves the cursor left. 2) Pressing the key to RIGHT direction moves the cursor right.
CLEAR	In text editing, deletes one character (backspace). While browsing menu, goes back to the previous menu.
SEND	Use this key to make and receive calls.
END	During a call, it disconnects the call. While browsing menu, it exits menu. Power ON: holding it down till 'Loading...' message shows up. Power OFF: holding it down for a second or longer.
DIAL PAD	Dial pad is for dialing just like the normal telephone and entering alphanumeric characters when editing names and phone numbers. Also, it can be used for quick menu browsing.

5. Accessory

5.1 Guidelines for Use of Accessory

Follow these guidelines in using accessories with your Wireless IP Phone WirelessIP 5000.

- n** When disconnecting the power cord of any accessory, grasp by the plug, not the cord and pull.
- n** Keep the accessories away from children.
- n** Use only charger, batteries, accessories that are approved by the WirelessIP Phone manufacturer. Using unapproved charger, batteries, and accessories may be dangerous, and may invalidate the warranty on your phone.

5.2 Available Accessory

- n** Extended Battery
- n** AC Adapter
- n** Desktop Charger
- n** USB Cable

5.3 AC Power Adapter

The Ac adapter as shown in **Figure 3** enables you to charge your phone battery quickly.

To use the adapter, plug it into a wall outlet, and insert the connector into base of your WirelessIP 5000 or the back of the desktop charger. You can use the phone while battery charging.



Figure 3. AC Adapter

5.4 USB Cable

The USB Cable as shown in **Figure 4**, connects your phone to the PC, enables you to either configure or to change the phone. When configuring the phone, make sure that your PC and the phone are connected directly to each other by the USB cable.



Figure 4. USB Cable

5.5 Inserting Battery

Place the battery into the battery bay on the back side of the phone and push up towards the release button until it clicks.

5.6 Releasing Battery

Take the battery off from the phone by pressing the release button and pull out the battery towards the bottom of the phone.

Note : For more information about releasing battery, refer to page 10.

5.7 Charging Battery with Desktop Charger



Figure 5. Charging with AC Adapter

DETAIL



Figure 6. Charging with USB Cable

Step 1. Plug the AC adapter into a wall outlet, and insert the connector into back of the battery charger.

Step 2. Insert the phone into the upper compartment of the charger as shown in **Figure 5**.

Note : It is also possible to charge the phone by using the USB cable instead of the AC adapter as shown in **Figure 6**.

5.8 Charging Battery without Desktop Charger

Step 1. Plug the AC adapter into a wall outlet.**Step 2.** Remove the protective connector cover of the phone.

Step 3. Insert the AC adapter connector into base of the phone.

Note : It is also possible to charge the phone by using the USB cable instead of the AC adapter as shown in **Figure 6**.

6. Tips for using battery.

6.1 Releasing Battery



Figure 7-1

Push the button right above the battery.

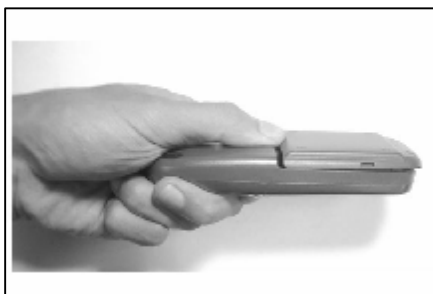
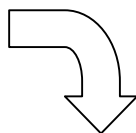


Figure 7-2

After pushing the button, release the battery pack from the phone body.

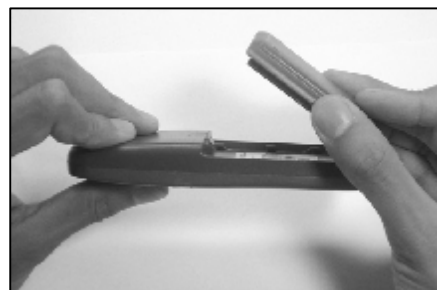
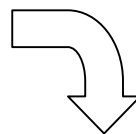


Figure 7-3

Now you can lift up from the phone body.

Note : Before separating a battery from the phone, check if the phone is powered off.

7. Icons on Display

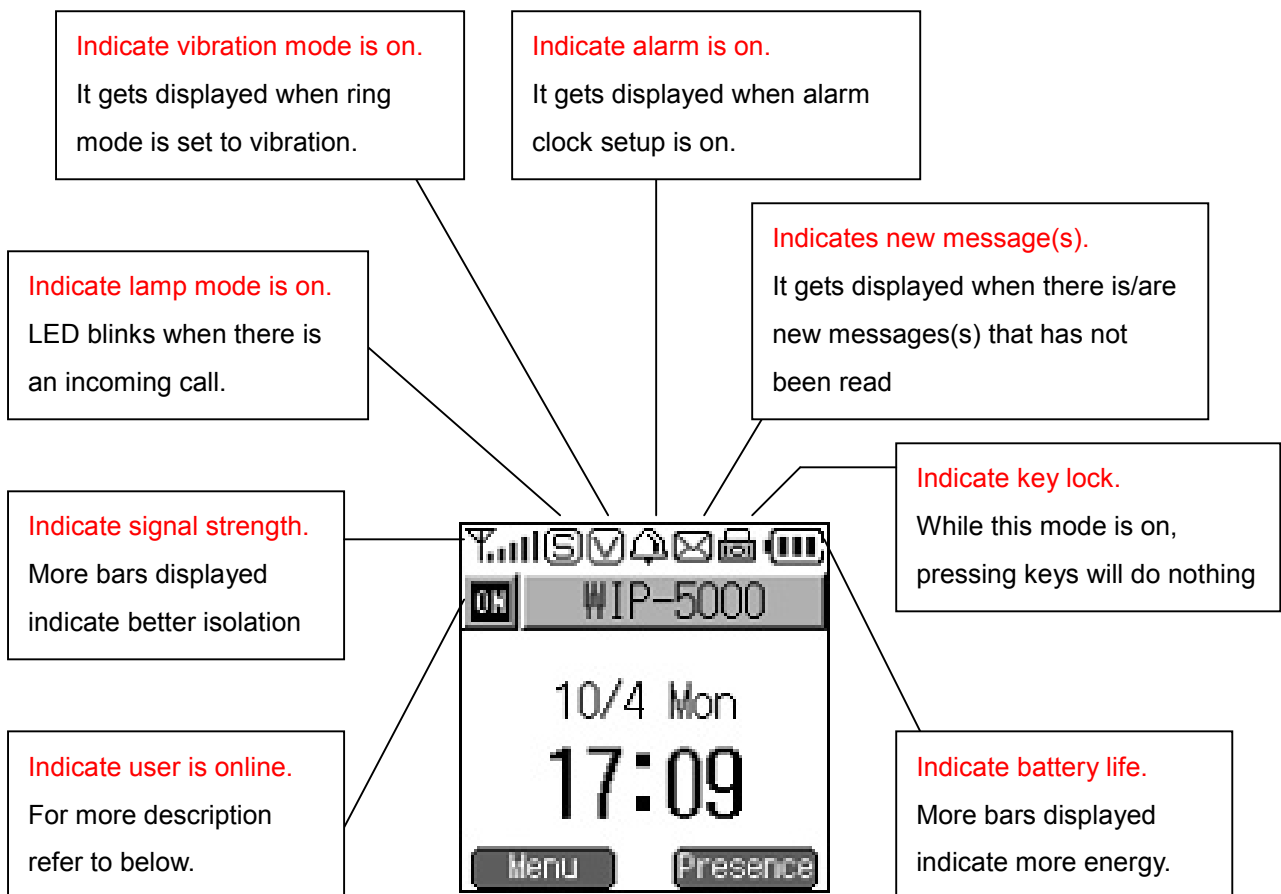


Figure 8. Icons on Display

Status message of idle mode display

-  Indicates user is online.
-  Indicates user is busy.
-  Indicates user is going to be right back.
-  Indicates user is away for a while.
-  Indicates user is on the phone.
-  Indicates user is out to lunch.
-  Indicates user is offline.

8. Input Method

Dial pad is formed with integer 0~9, *, and # and used for inputting 3 or 4 alphabet letters and some symbols. Once a Dial key has been pressed, pressing it again while the rectangular cursor keeps blinking will change the current input to the next letter assigned for that specific key. See the table below for the Dial key assignment. Note that after the rectangular cursor blinks couple of times, it will change into a vertical bar cursor.

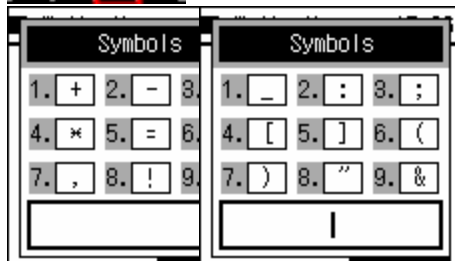
A a Et 1

Dial Pad												
Key	1	2	3	4	5	6	7	8	9	0	*	#
F O N T	.	A	D	G	J	M	P	T	W	Space	*	#
	@	B	E	H	K	N	Q	U	X		.	@
		C	F	I	L	O	R	V	Y		-	_
							S		Z			

A a Et 1

Dial Pad												
Key	1	2	3	4	5	6	7	8	9	0	*	#
F O N T	.	a	d	g	j	m	p	t	w	Space	*	#
	@	b	e	h	k	n	q	u	x		.	@
		c	f	i	l	o	r	v	y		-	_
							s		z			

A a Et 1

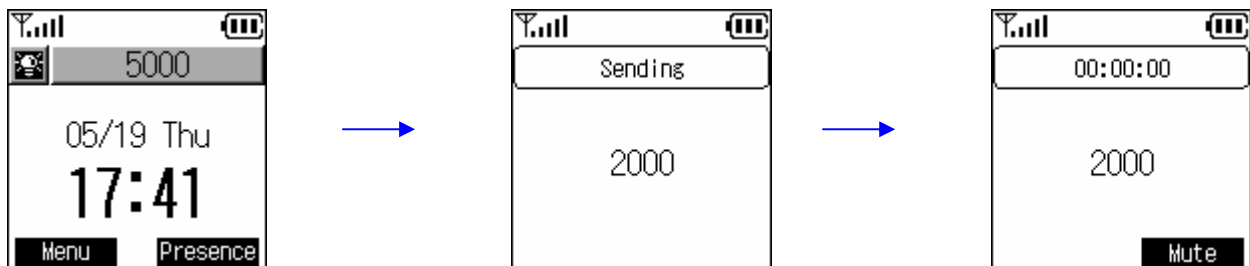


A a Et 1

Dial Pad										
Key	1	2	3	4	5	6	7	8	9	0
Font	1	2	3	4	5	6	7	8	9	0

9. Application

9.1 Outbound Call

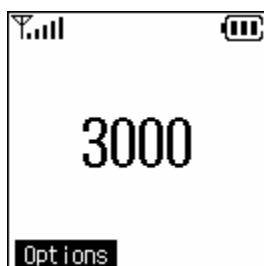


Once registered, you can make calls to others that are registered to the same SIP server.

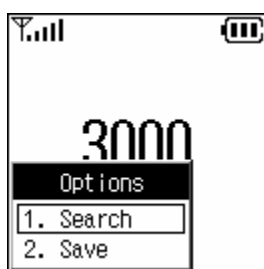
Dial number & press Send Key. If your call reach the other party, you will hear ring back tone

If Callee receives your call, timer starts activating on the top of the screen.

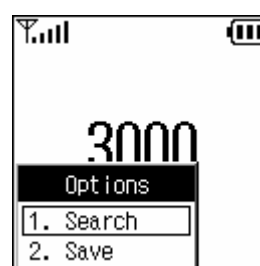
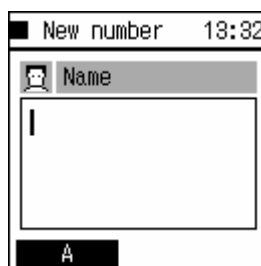
9.1.1 Appendix (OptionsS)



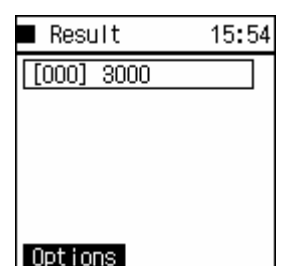
If you dial a desired number, you can see the Option Menu and Dial Mode. Let's see what can we do with this menu.



You can save the dialed number as Phone Book Menu.

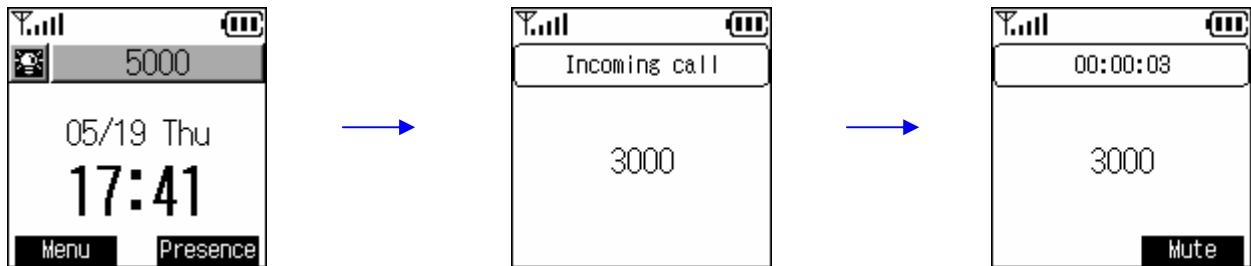


You can see the search result that the number you dialed.



Note : You can see the search result of dialed number only if the number was already saved in Phone Book.

9.2 Inbound Call



Once registered, you can also receive calls.

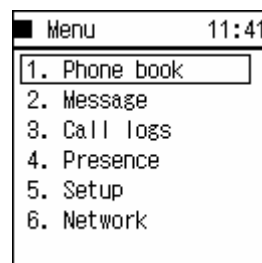
If someone calls you, it says "Incoming call" on the top of the screen and displays caller number.

If you receive a call, timer activates on the top of the screen.

9.3 Phone Book Menu



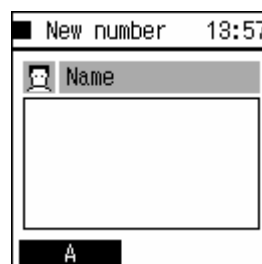
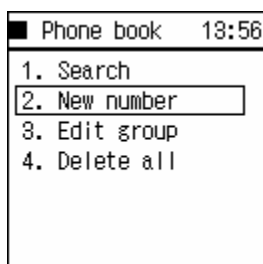
Use Left Soft Key to enter the menu from idle screen.



Enter Phone book.

9.3.1 Add New Entry

You can store info such as phone number of your family, friends and others. It must have at least one stored number in the phone book to search.



Input information: Name → Read Name → Phone Number → Group → Index. After done inputting information you need, press Enter Key to save. It is not required to fill everything out but the Phone number is essential.

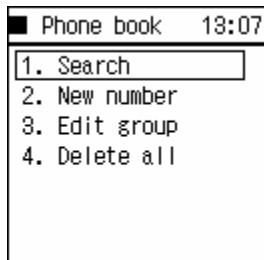
If you press Enter Key to save without entering any data, <Warning> message pops up.



9.3.2 Call from Phone Book

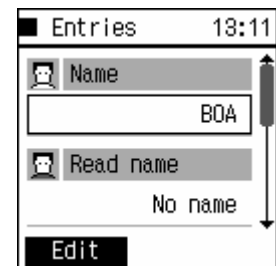
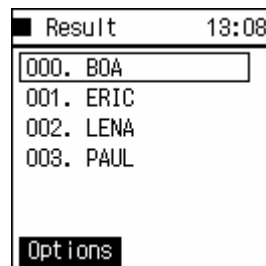
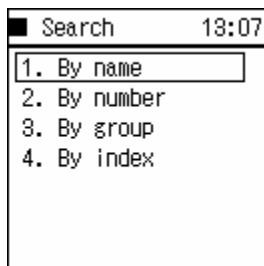
Calling from the Phone Book is another way to make a call instead of dialing from idle screen.

So as to do, you need to search phone number stored in Phone Book by following the steps below.



There are 4 ways to search the number.

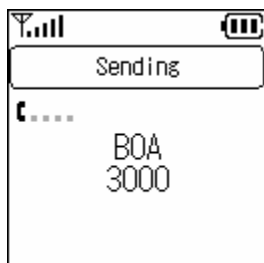
- ① By Name
- ② By Phone Number
- ③ By Group
- ④ By Index



If you didn't input the exact information whichever way among the above, phone will search the name or number that contains the input character that you entered.

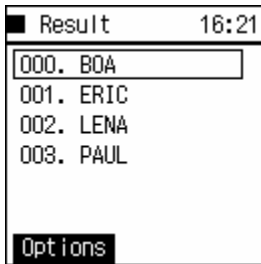
Select Boa and press Enter Key then it will show Boa's information: Read Name, Phone Number, Group and Index.

Note : For example, let's say that one person is Kim, and second person is Kimberly. They both have 'K' in their name. So if you don't want to enter whole name to search one person by Name, you can just input one letter 'K' then press Enter Key. Result will show Kim and Kimberly.

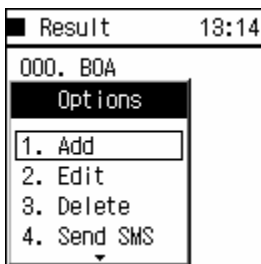


Press Send Key or Enter Key wherever the focus at can make a call to the person.

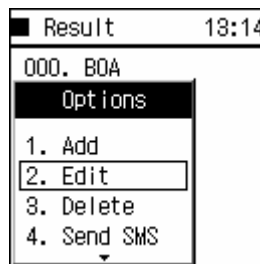
9.3.2.1 Appendix (Sub Menu)



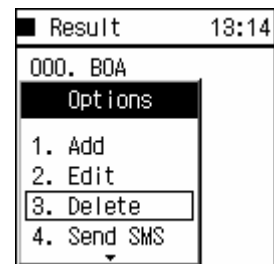
You can see the Appendix Menu at Search Result by name.
Press Left Soft key to enter Sub Menu.



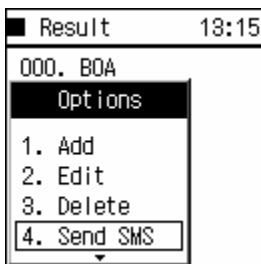
You can store another phone number in here.



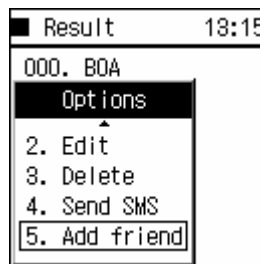
You can edit the stored number in here.



You can delete the stored number in here.



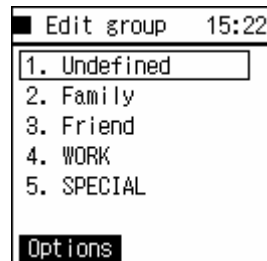
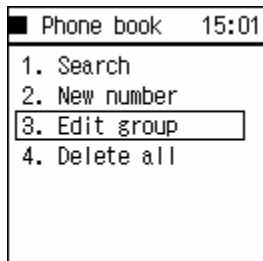
You can send SMS message directly in here, Instead of sending at message menu.



You can add a friend to presence menu friends list.

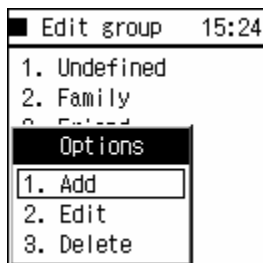
9.3.3 Edit Group

This section explains you how to add, delete or edit group.

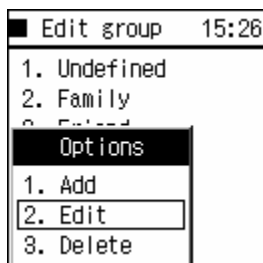


Undefined is a default group, which cannot be edited or deleted. You can add or edit a group by using Options menu.

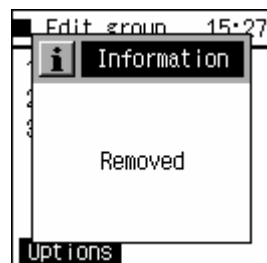
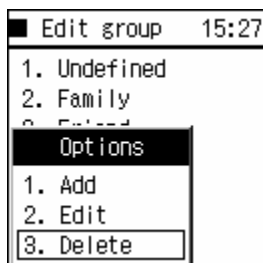
Note : Maximum 10 groups can be made.



The picture on the left shows adding a group named as "WirelessIP". Press Enter Key to save a new group and it goes back to Phone Book menu.



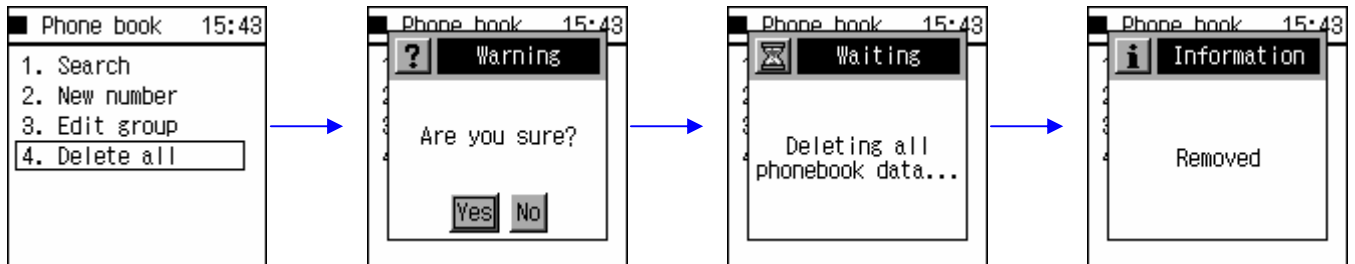
Use Options menu or select a group you want to edit and press Enter Key. Press Enter Key again to save and it goes back to Phone Book menu.



Before using Options menu to delete the cursor should be at the group you want to delete. Press Enter Key to delete. Removed dialog will disappear in a second; it goes back to Phone Book menu.

9.3.4 Delete all

This function deletes all the phone numbers stored in Phone Book but the groups don't get deleted.



Select "Delete all" and press Enter Key.

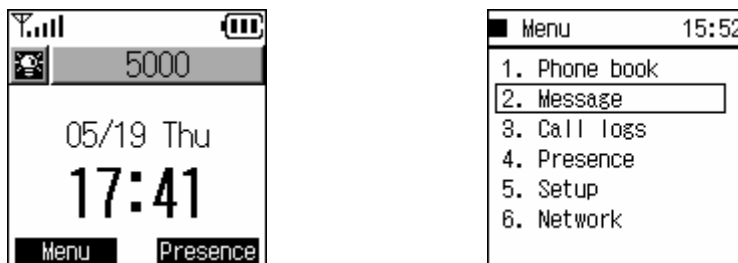
Phone will ask you to make confirmation. Use <|> key to choose "Yes" or "No".

Selecting "Yes" will show the process of deleting the entire Phone Book datum.

In a second, "Removed" dialog shows and it goes back to Phone Book menu.

9.4 Message Menu

Message is used for short communication by transmitting words to each other.



Use Left Soft Key to select the menu from the idle screen.

Select "Message" and press Enter Key.

9.4.1 Received Message Box

All the messages you received get stored in here. If you want to see old/new messages check the “Received Message Box”.



Select “Recv. Msg Box” and press Enter Key.

If there are unread messages, it will show the dialog how many unread messages are left. Right after that dialog disappears, it will show the list of messages.



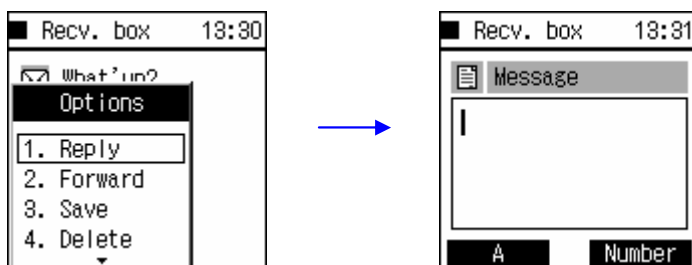
Select the message you want to read in larger window and press Enter Key then screen will look like picture on the left.

Ø You can see the entire message manually by using $\triangle$ ∇ key.

*Message contains the date, time, phone number and contents.

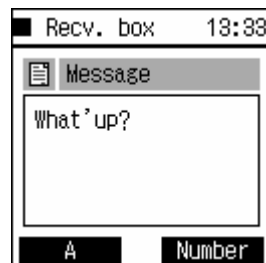
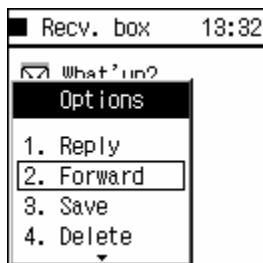
9.4.1.1 Appendix (Sub Menu)

u Reply



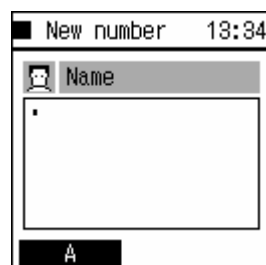
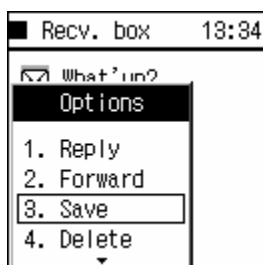
You can reply straightly to the person who has sent the message to you.

u Forward



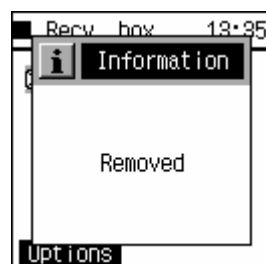
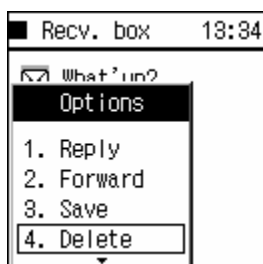
You can forward received message to another person.

u Save



You can store the number who has sent you the message.

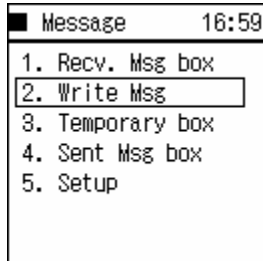
u Delete



You can delete a message here.

9.4.2 Write Message

You can write and send message here.



Select "Write Msg" and press Enter Key.



Use dial pad and Left Soft Key to write a message.

* Holding down a Clear button clears the whole text.



Enter the number that you want to send a message to.

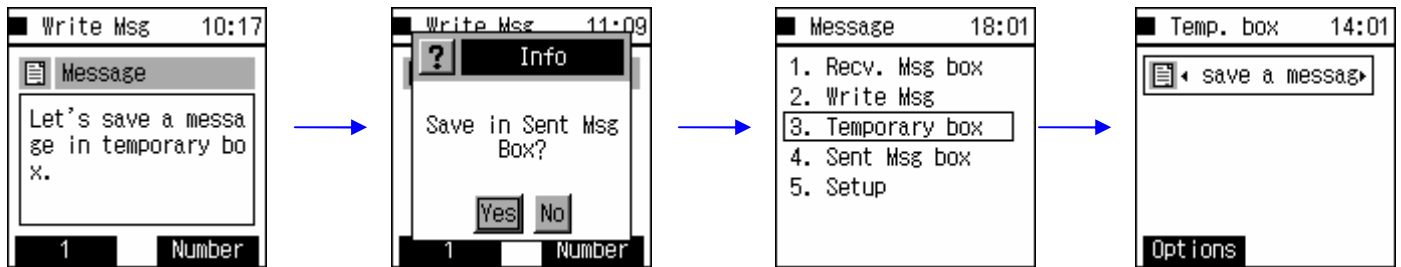


It shows the process of sending a message.



Select "Yes" by using <> key and press Enter Key to delete.

9.4.3 Temporary Box



When you don't want to send a message at that moment and save the message for the later use, press End Key.

If you want to save it at Temporary Msg box, select "yes".

Select Temporary box.

You can see the message you saved.

9.4.4 Sent Message Box

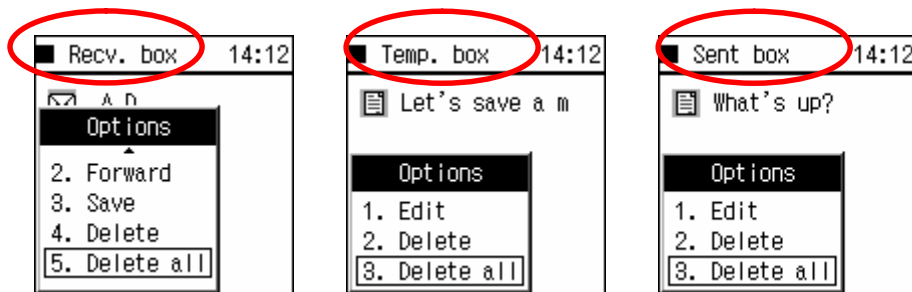
All the sent messages get stored in here.



Select Sent Msg box.

You can see the messages you sent.

9.4.5 Delete All



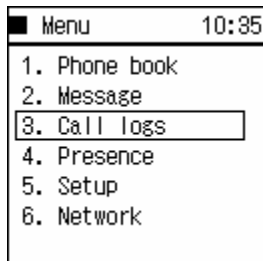
To delete all, use the option menu at each Msg. box,
then select Delete all to clear all the messages.



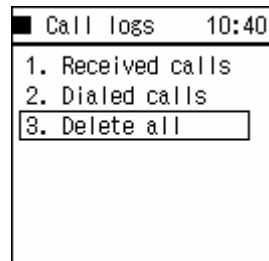
This shows the deleting process.

9.5 Call Log Menu

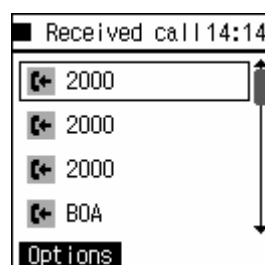
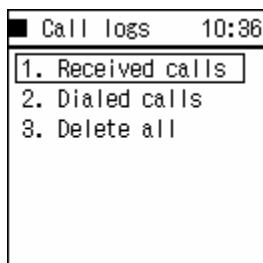
This menu keeps the history of Inbound and Outbound calls.



Select Call logs to enter.



Note : You can also enter Call logs menu by using Multi Function Key left or right at idle mode.

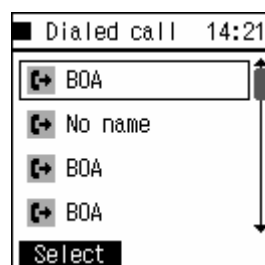
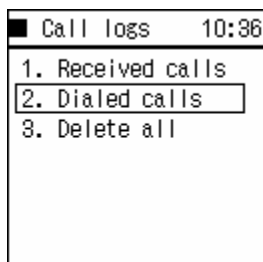


Enter 1. Received calls.

Then you can see the history of received calls.

For further information to see, press enter.

It contains date/time, name/number, and status.



Enter 2. Dialed calls.

Just like the Received calls it displays numbers that user has called.

For further information to see, press enter.

It contains date/time, name/number, and status.

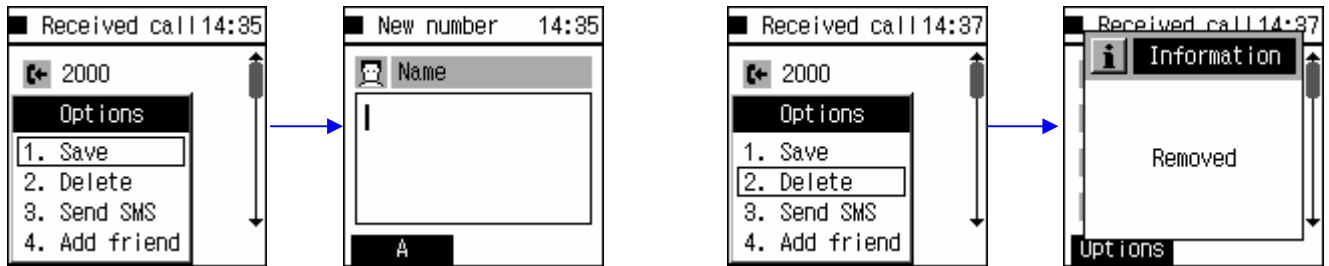
Note : If you want to delete whole call histories enter 3.delete all and select yes.

Note.

-  Missed Call
-  Dialed Call
-  Received Call

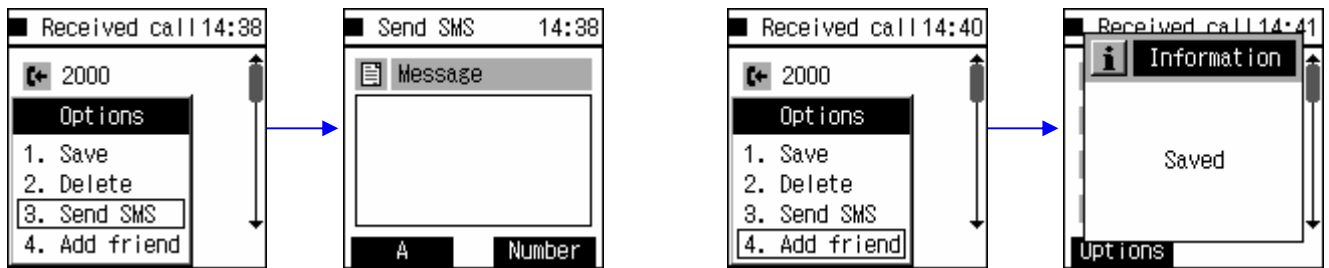
9.5.1 Appendix (Option, Dial Mode)

Use Left Soft Key to enter Sub Menu at Received Call logs window.



You can store the number that it is in Received Call Logs.

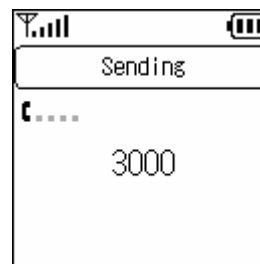
You can delete the each received call number.



You can send a SMS message directly to the number that is in received call list.

You can add the number that is in received call list as friend.

9.5.2 Show More Information and Call from Call Log

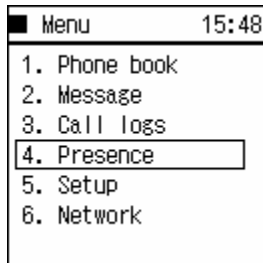


Press Enter Key on the number that you want to get more information then information window will show up like the picture on the right.

Information contains: date/time, name/number and duration how long you were on the phone.

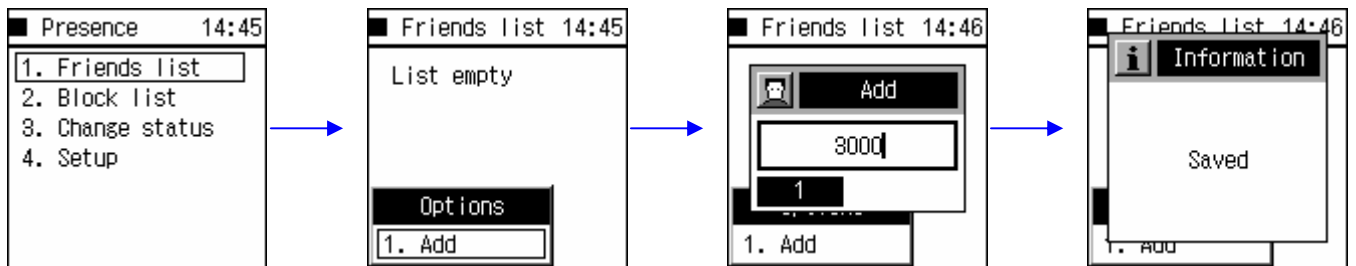
From the Call logs screen, press Send Key on the number that you want to call again then phone will automatically dial the number.

9.6 Presence Menu



Note : You can also reach “Presence” menu directly by using Right Soft Key from idle screen.

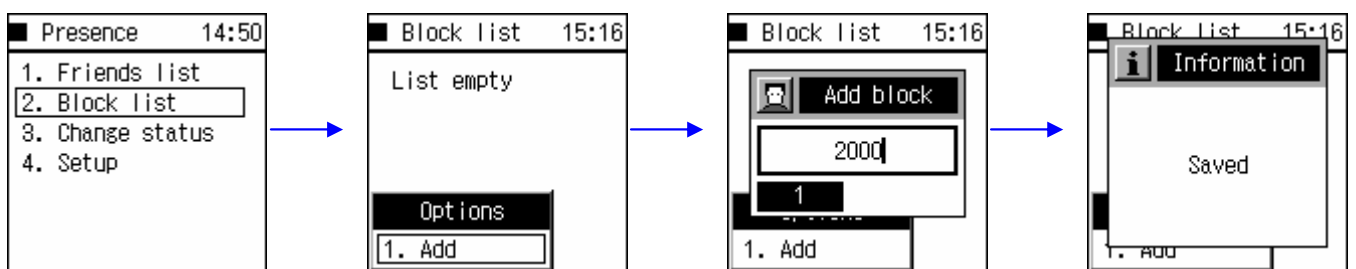
u Friends List



It shows list of all friends and you can see the their status.

To add a user to the list, press Left Soft Key and select “Add”. Enter the user’s phone number and press enter to save.

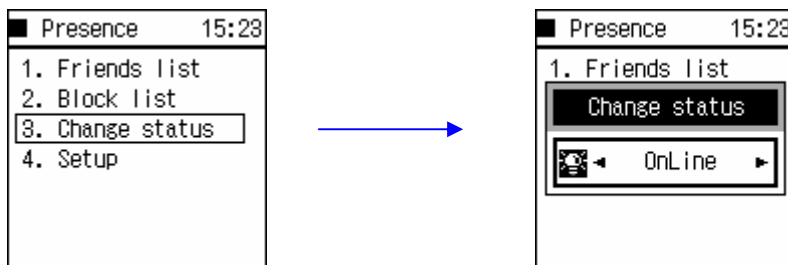
u Block list



It shows list of all blocked friends.

To add a block list, press Left Soft Key and select “Add”. Enter the user’s phone number and press enter to save.

u Change Status

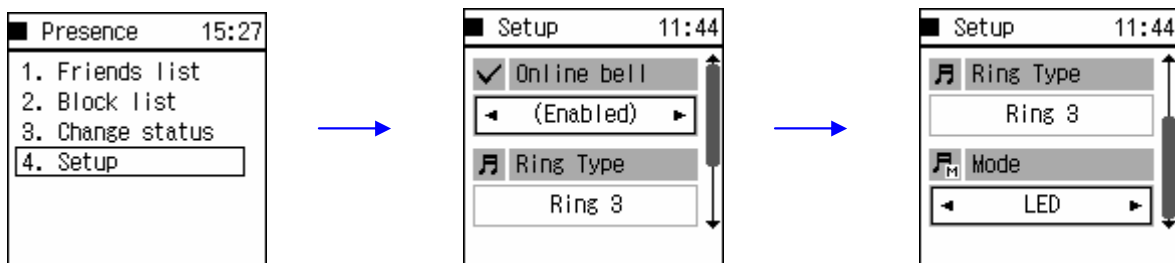


To see the current status, enter "Status" menu.

User can set the status by using <|> key and then press Enter Key to apply.

Note : For description of status message, Refer to page 9.

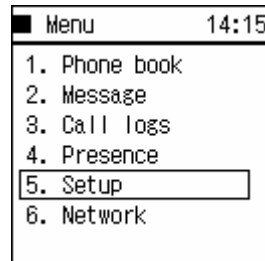
u Setup



To setup the Online Bell indication enter "Setup" menu.

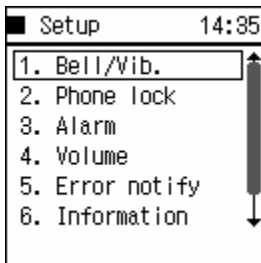
You can change configuration by using multifunction key. It contains Online bell, Ring Type, Mode.

9.7 Setup Menu



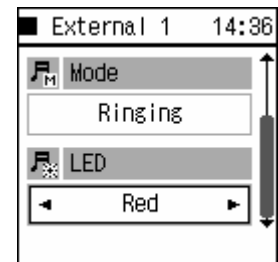
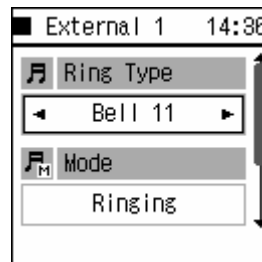
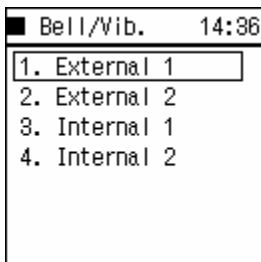
Enter “Setup” menu to setup your phone’s configurations.

9.7.1 Bell / Vib.



Select “Bell / Vib.” and press Enter Key.

u External

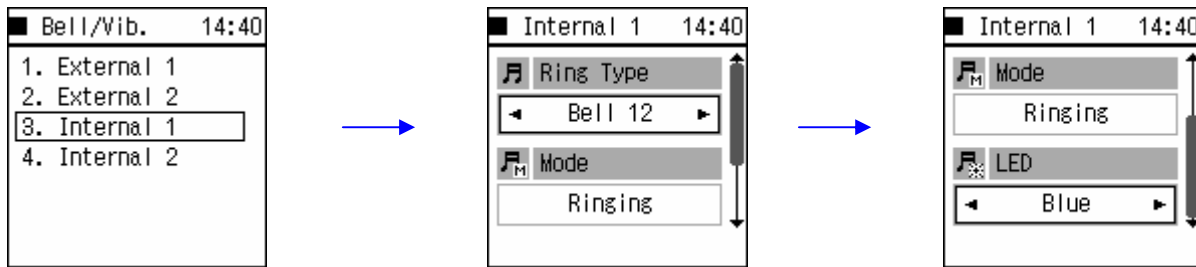


There are two modes for each Ring Type.

You can setup Ring Type, Mode, and LED type in here.

Note : There are total 16 types of Ring.

u Internal

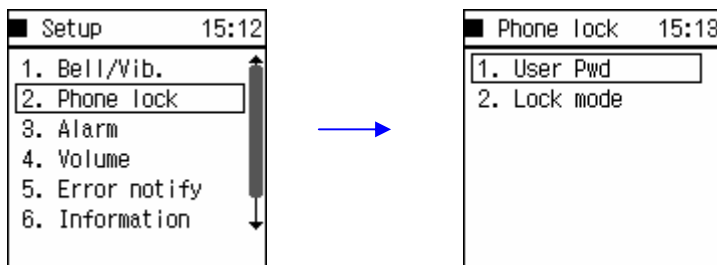


There are two modes for each Ring Type.

You can setup Ring Type, Mode, and LED type in here.

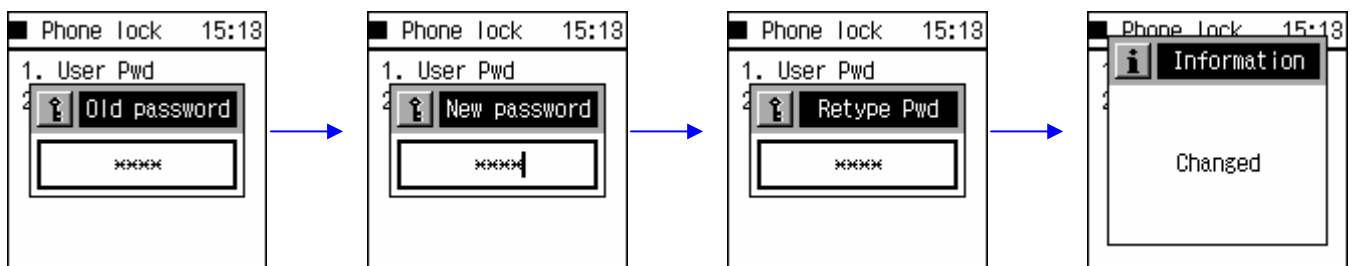
Note : There are total 16 types of Ring.

9.7.2 Phone lock



You can set User password and Lock mode in here.

u User Pwd



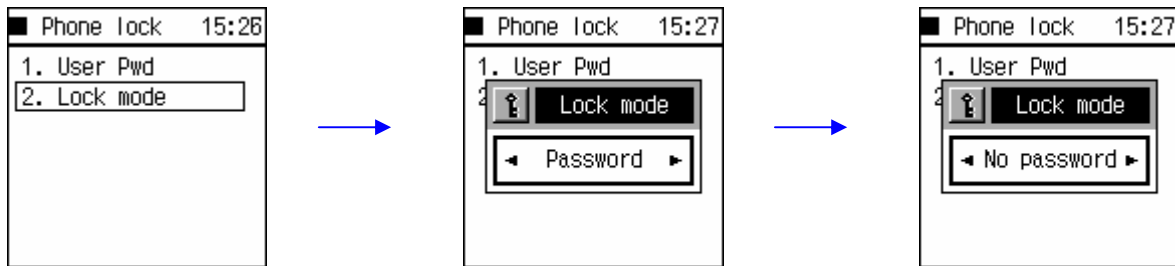
Enter old password.
Default password is "0000".

Enter new password.

Input new password again.

If you see this dialog, the It's done.

u Lock Pwd

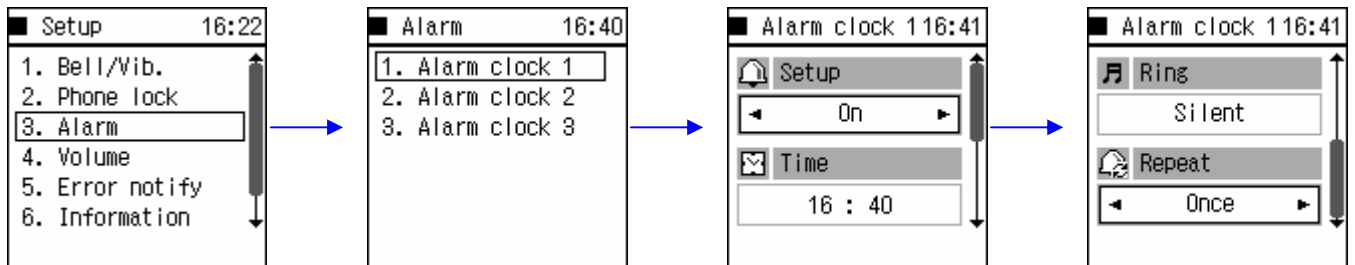


You can choose Lock mode in here.

If you set to "Password", you have to input password every time you lock your phone.

If you set to "No password" you can lock your phone without inputting password.

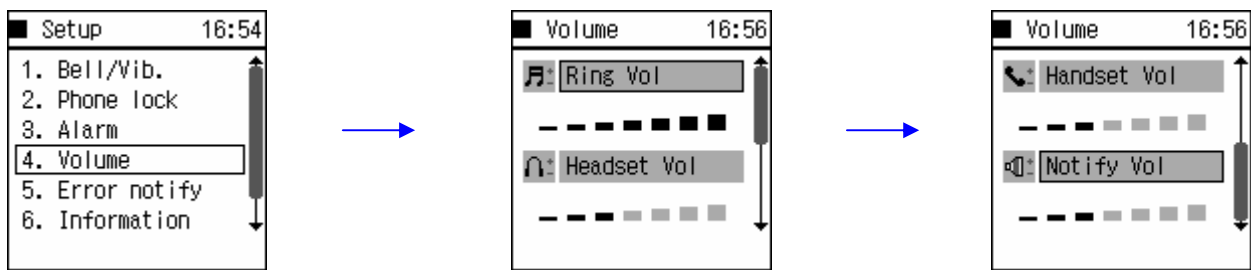
9.7.3 Alarm



You can set alarm clock up to 3

After setting each field to what you like, leave it to "On" and use Enter Key to save & exit.

9.7.4 Volume



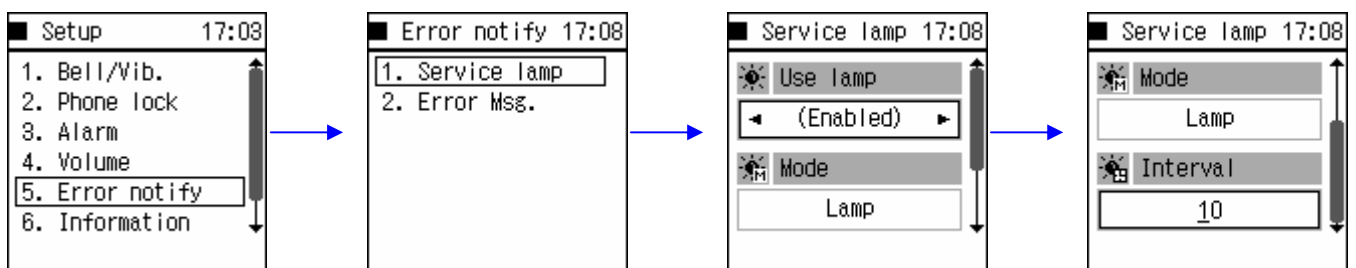
You can set the volumes here.

Use ◀▶ key to control volume and press
Enter Key to apply.

9.7.5 Error notify

In this menu you can turn on or off the Error Msg, which briefly explains the error to user within pop up dialog, and you can set service lamp configuration.

9.7.5.1 Service lamp

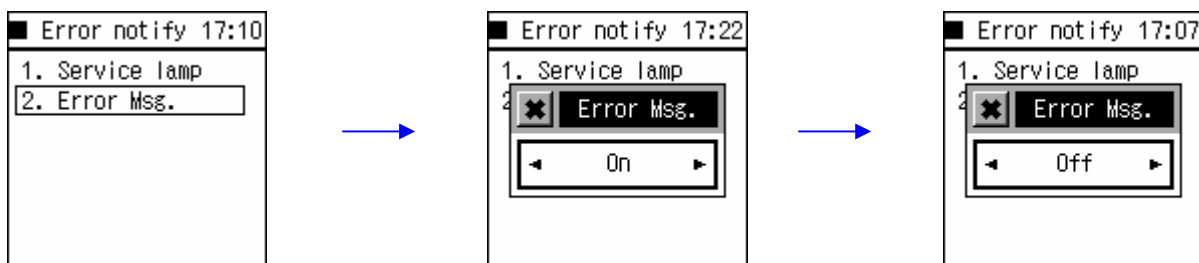


Enabling the Service LED let user to select two types of mode between “LED” and “LED + beep”.

LED: LED blinking every interval value tells the phone is in WLAN service area.

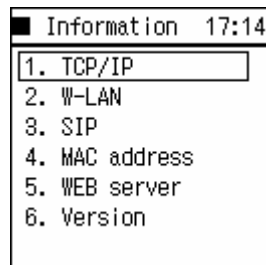
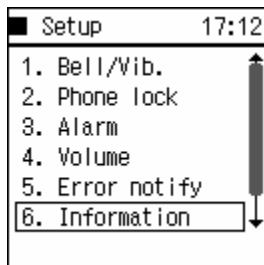
LED + beep: If WLAN status is out of service area, Phone makes beep sound.

9.7.5.2 Error Msg.



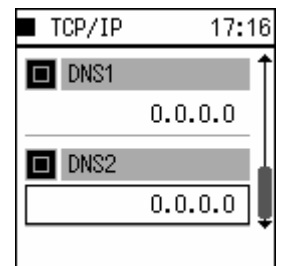
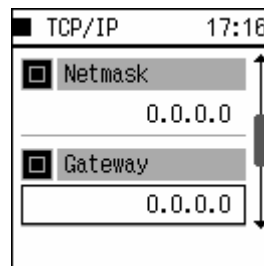
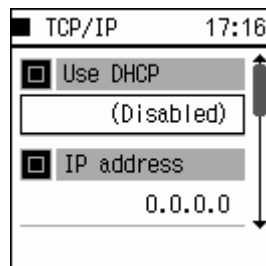
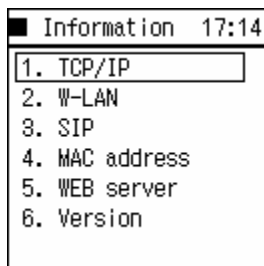
Use ◀▶ key to turn On or Off Error Msg. and
press Enter Key to apply.

9.7.6 Information



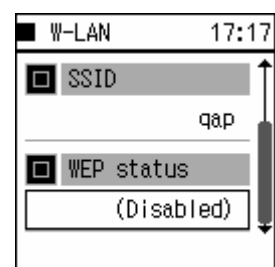
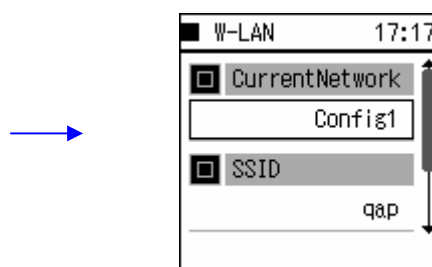
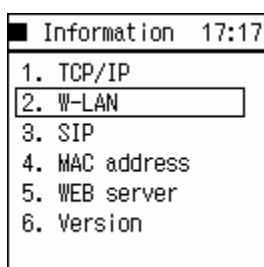
This menu is where you can see information about phone's SIP, Network, MAC address, WEB server Bootrom / software version.

u TCP/IP

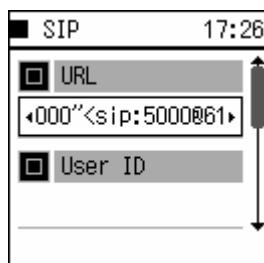
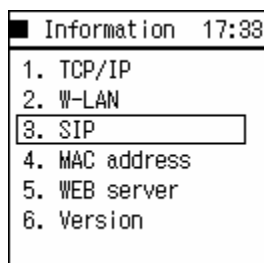


It shows information of DHCP mode, IP address, Netmask, Gateway, and DNS.

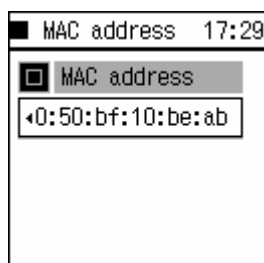
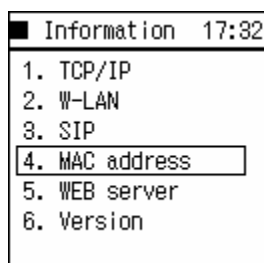
u W-LAN



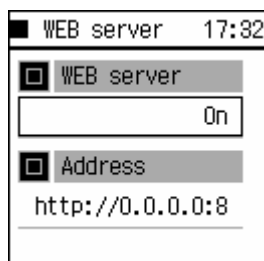
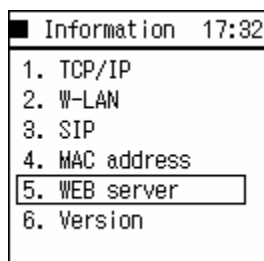
It shows W-LAN information: Current Network, SSID, Signal strength, AP's channel, WEP status, AP's MAC address, mode, and Beacon interval.

u SIP

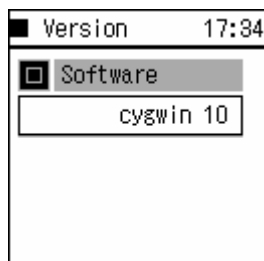
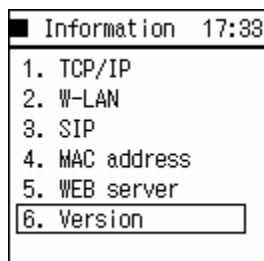
It shows SIP server Information:
SIP URL, User ID, Proxy server,
Registrar and Outbound proxy

u MAC address

It shows your phone's MAC address.

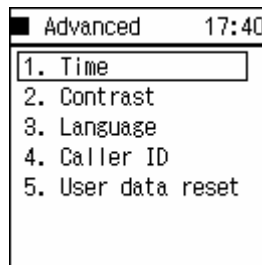
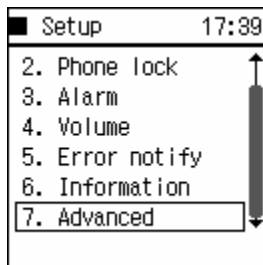
u WEB server

It shows WEB server status and it's
address.

u Version

It shows current software version.

9.7.7 Advanced

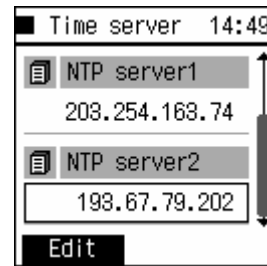
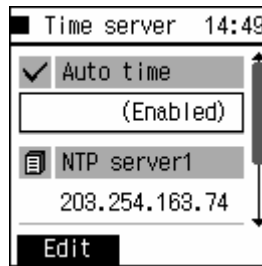
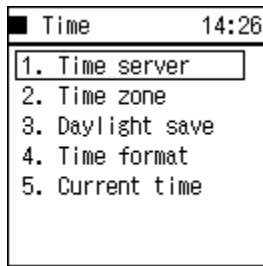


Advanced menu contains Time, Contrast, Language, Caller ID and User data reset.

9.7.7.1 Time

You can control all the time settings, formats and additional functions in here.

u Time (Time server)

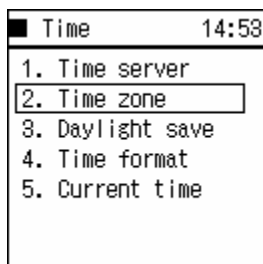


Use ◀▶ key to change the NTP Enabled/Disabled and press Enter Key to apply.

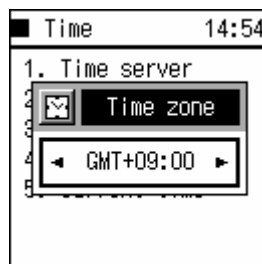
Enabled: WirelessIP 5000 gets the date and time from the NTP server.

Disabled: WirelessIP 5000 displays the date and time, which has set in "Current time".

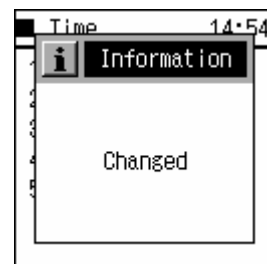
u Time (Time zone)



Enter "Time zone".

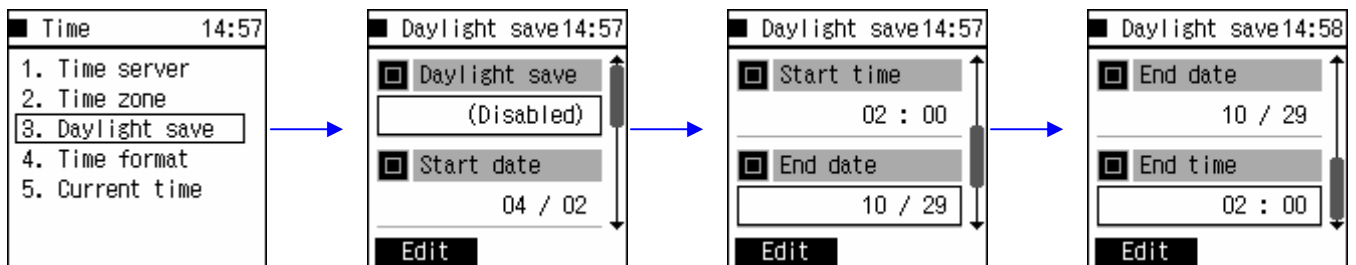


You have to select proper time zone in here.



Press Enter Key to apply and exit.

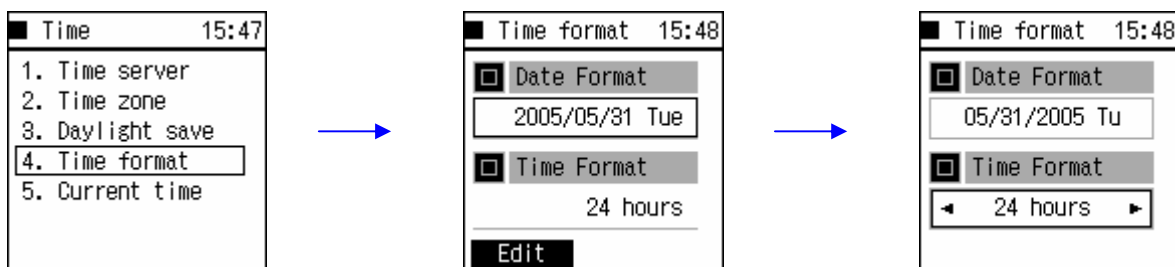
u Time (Daylight save)



Enter "Daylight save".

Use Left soft Key to edit settings.

u Time (Time format)

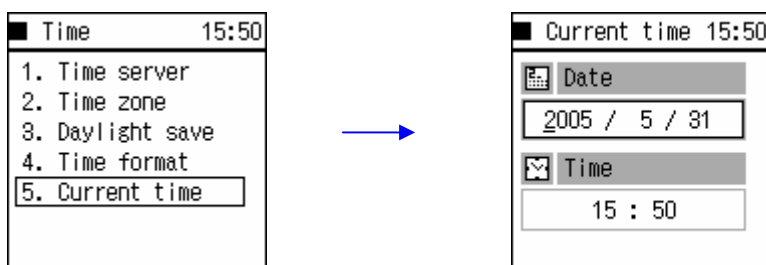


Enter "Time format".

Use Left Soft Key to edit settings.

You can change the time format to what you want.

u Time (Current time)

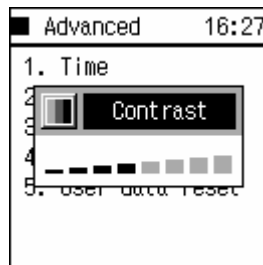
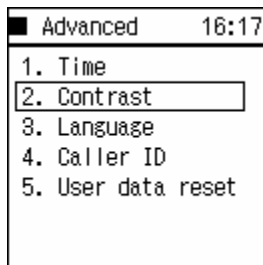


Enter "Current time".

It shows current date and time.

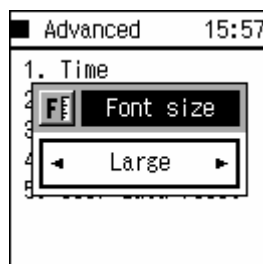
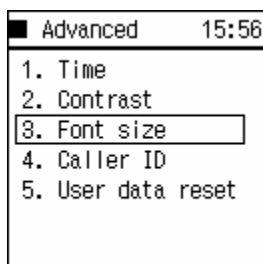
You can edit time in here.

9.7.7.2 Contrast



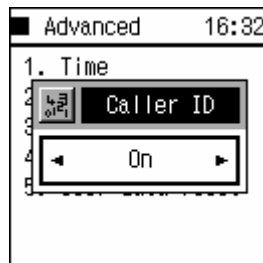
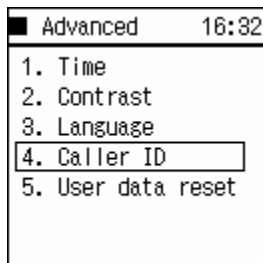
Enter “Contrast” and set your phone’s contrast using ◀▶ key.

9.7.7.3 Font size



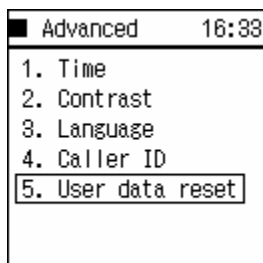
Enter “Font size” and choose your Font size between Large and Normal using ◀▶ key.

9.7.7.4 Caller ID



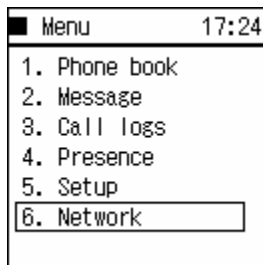
Enter “Caller ID” and set your caller ID mode using ◀▶ key.

9.7.7.5 User data reset



Enter “User data reset”.
Choosing “Yes” brings you the phone’s beginning.

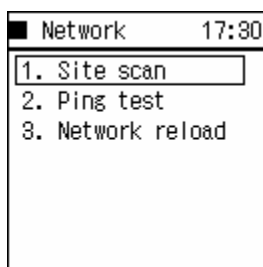
9.8 Network



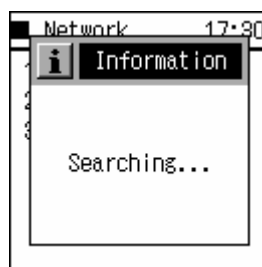
Network menu contains Site scan, Ping test and Network reload.

Other network configuration is for Admin menu.

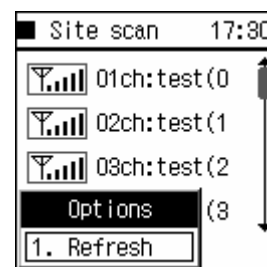
9.8.1 Site scan



Enter "Site scan".



It shows the process of searching.

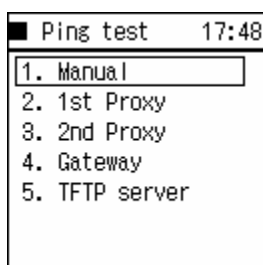


After searching is done, it will list the AP's ssids nearby. If you want to see more information about that ssid, move to it and press Enter Key.

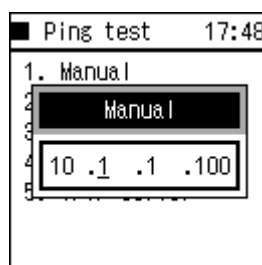
Note : Stronger WIFI strength goes up to top.

9.8.2 Ping test

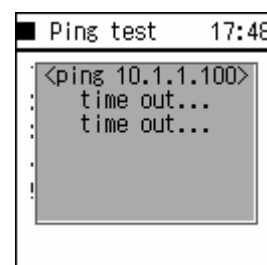
u Manual



Enter "Manual" for manual ping test.

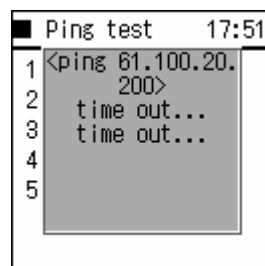
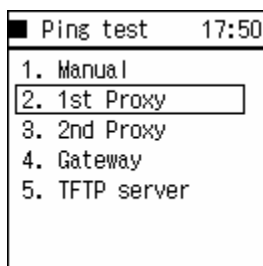


Enter the IP address you want to ping when IP input box shows up. Press Enter Key to start Ping-test.



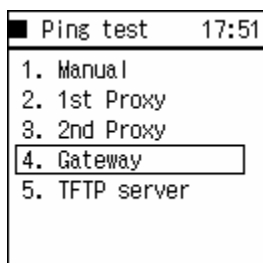
Phone starts pinging.

u Proxy



Phone will ping automatically at first proxy server that has set.

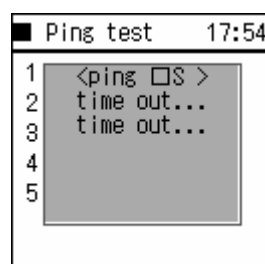
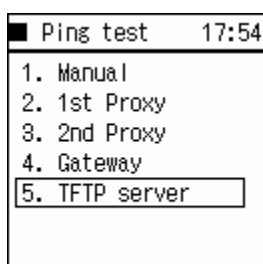
u Gateway



Phone will ping automatically at gateway that has set.

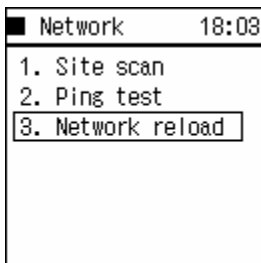
Note : If you did not set gateway then ping test won't work.

u TFTP serverS

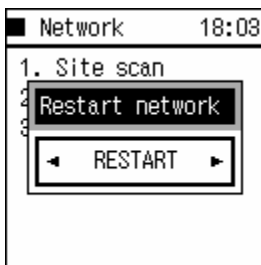


Phone will ping automatically at TFTP server that has set.

9.8.3 Network reload



u Restarting network



Restarting network.

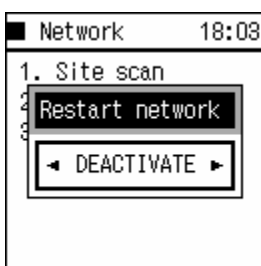


Use < > Key to select "Yes".

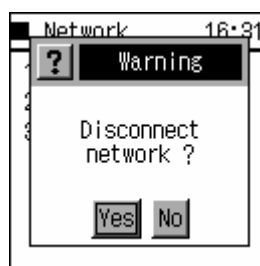


If it's done, the phone network may get restarted.

u Deactivating network



Deactivating network.



Use < > Key to select "Yes".

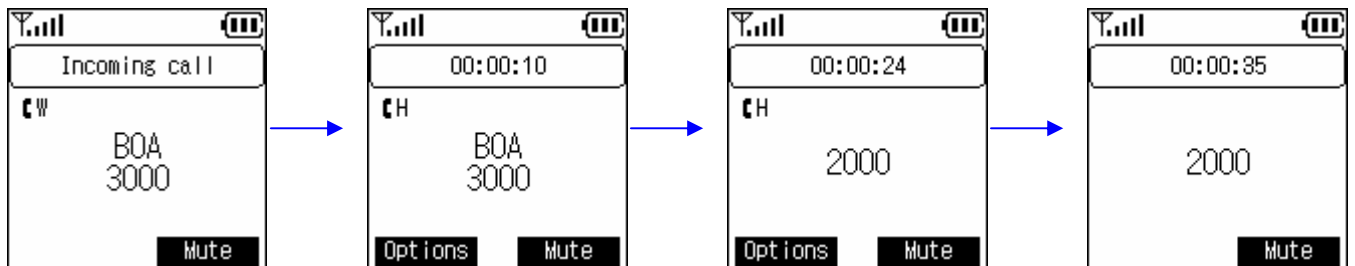


If it's done, the phone network will be disconnected.

10. Additional Useful Functions

10.1 Multi Call Service

10.1.1 Call Hold



When there is an incoming call while you are on the phone, you will hear call waiting beep sound for about 2 seconds.

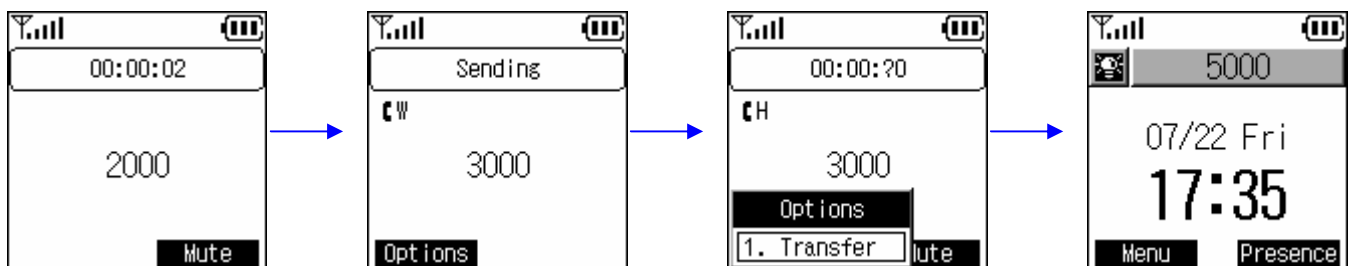
Press send key to answer incoming call.

Press send key again to switch to the previous person on the phone.

If call with second person got hung up, phone line automatically transfers back to the previous person.

10.1.2 Call Transfer

10.1.2.1 Attended Transfer



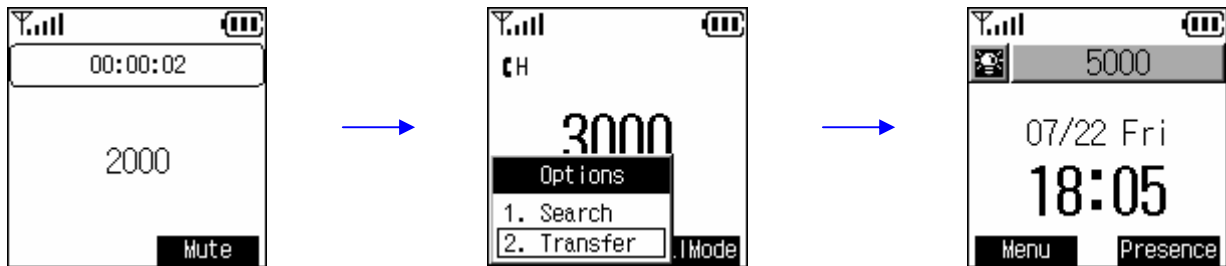
While A and B are on the line. A tries to transfer B to C.

Hold B by pressing send key and enter the dial number then press send key again.

When C answers, use the option key and select "Transfer".

A gets disconnected and goes back to idle screen. At that moment B and C can have conversation.

10.1.2.2 Unattended Transfer

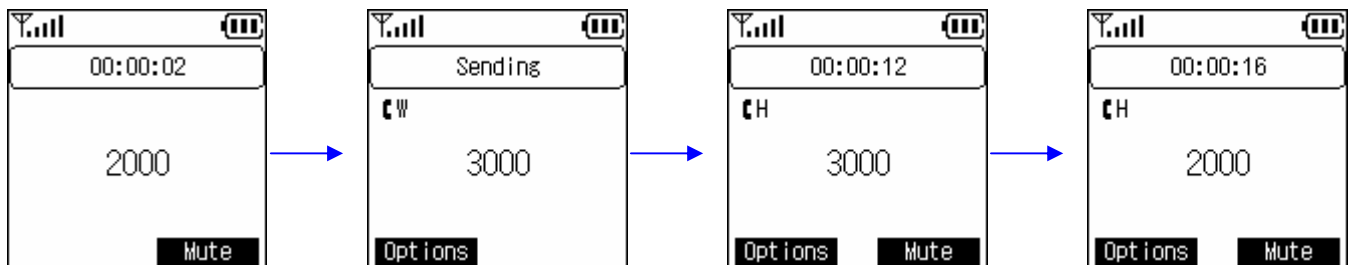


While A and B are on the line. A tries to transfer B to C.

Hold B by pressing send key and use the option key and select "Transfer" right after you enter the dial number.

When C answers, A gets disconnected and goes back to idle screen. At that moment B and C can have conversation.

10.1.3 Call Switch



While A and B are on the line, A tries to have a call with C.

Hold B by pressing send key and enter the dial number then press send key again.

While A is on line with C, B is on hold.

If you press send key again, A goes back to B and C is on hold. Pressing send key switch the line back and forth.

11 Web Configuration Tool

This chapter explains how to access WirelessIP 5000's web server and configure the settings.

11.1 About Web Configuration Tool

Web Configuration Tool contributes the convenience by allowing you to configure basic functions, which you could do it with the device directly, or view current information of settings on WirelessIP 5000 through web browser.

11.2 Login Process

1. Make sure your WirelessIP 5000 is connected to the Wireless LAN before accessing its web server.
2. Launch a web browser.
3. Enter the IP address on the address field from web browser with port number "8080" followed by colon. (Ex. <http://<IP address>:8080>). To find out the IP address of your WirelessIP 5000, go to menu Setup > Information > TCP/IP.

Figure 9. Phone IP address



4. When Login screen pops up, enter your user name and password then click OK. (Default User Name: "user" and Password: "0000")

Figure 10. Login Screen



Note: It is strongly advised to change the ID and password when first time you login. Please do not forget your new ID and password.

11.3 Using the Web Configuration Tool

The figure below gets displayed after the login process.

Figure 11. Web Configuration Tool Main Screen

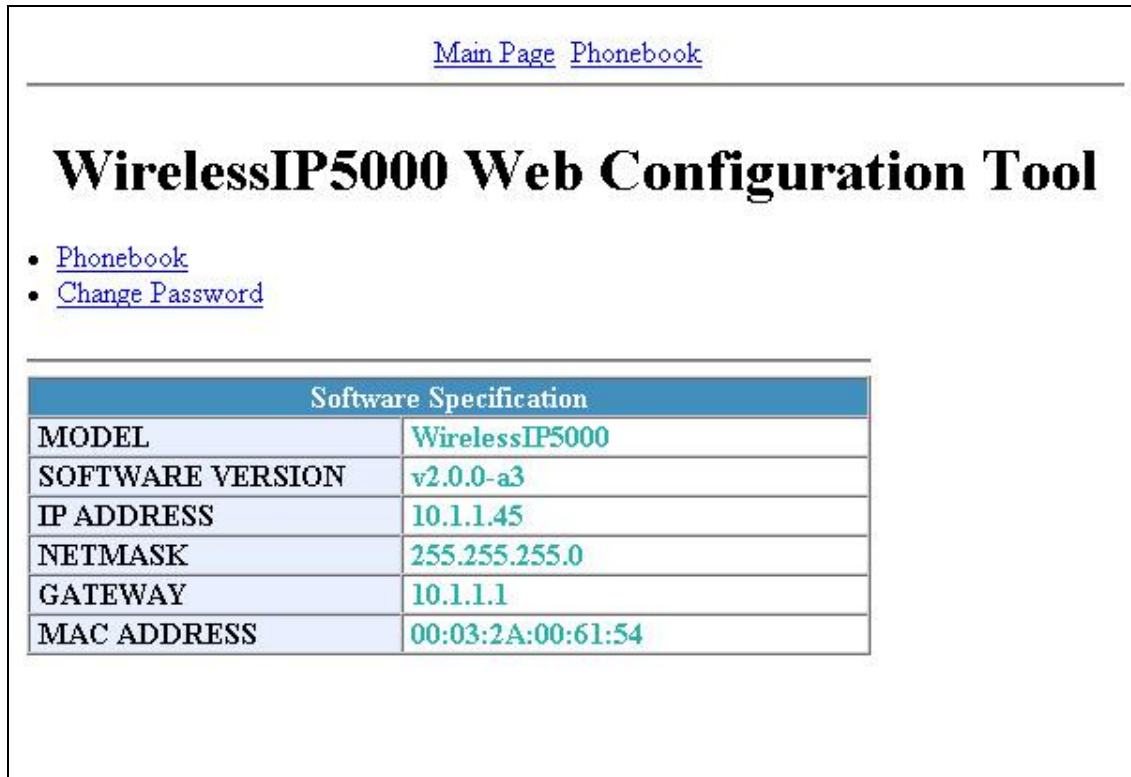


Table 1. Link Description

Links	Description
Main Page	This takes you to the first page when you get logged in.
Phonebook	This option operates same as the menu in WirelessIP 5000 device. You can search, add, or edit the phone number. Please refer to [1.1 Phonebook] for the details.
Change Password	This option let you change ID and Password.

12. FAQ

Q. Does WirelessIP 5000 support Layer 2 roaming while on the phone?

A. Yes, WirelessIP 5000 can roam between access points with same ssid while user is on the phone.

Q. Does WirelessIP 5000 support Layer 3 roaming while on the phone?

A. Yes, WirelessIP 5000 can roam to different network while user is on the phone but another different network configuration must be set before in the Admin > Network > Config menu.

Q. Which codecs does the WirelessIP 5000 support?

A. WirelessIP 5000 supports G.711 and G.729 codecs.

Q. Where can I purchase a new battery?

A. Please contact WirelessIP 5000 manufacturer.

Q. Why antenna signal is unstable and voice sound is not clear?

A. This could happen if user is far away from access point or user is at basement, tunnel, mountains, place surrounded. These factors could effect antenna signal.

Q. Does WirelessIP 5000 supports out-of-band DTMF?

A. Yes. You can set up SIP INFO method by setting DTMF type entry to 1, and also you can set up RFC 2833 by setting DTMF type entry to 2.

13. Glossary

802.1x

As the IEEE standard for access control for wireless and wired LANs, 802.1x provides a means of authenticating and authorizing devices to attach to a LAN port. This standard defines the Extensible Authentication Protocol (EAP), which uses a central authentication server to authenticate each user on the network.

AP (Access Point)

A transceiver that makes a connection between wired network and one or more wireless devices.

DHCP (Dynamic Host Configuration Protocol)

Automatically gets an IP address assigned to a device when it logs onto the network.

SIP

SIP is the real-time communication protocol for Voice over IP (VoIP), and it supports multimedia communications. SIP performs basic call-control tasks, such as session set up and tear down and signaling for features such as hold, caller ID and call transferring. With SIP, most of the intelligence for call setup and features resides on the SIP device or user agent, such as an IP phone or a PC with voice or instant-messaging software.

MD5 (Message Digest 5)

A secure hashing function that converts an arbitrarily long data stream into a digest of fixed size (128 bit).

NAT (Network Address Translation)

Sharing one incoming IP address by creating new multiple IP address to each devices.

Roaming

Movement from one AP coverage area to another with a wireless device without disconnection.

SSID

It's an identifier when wireless device tries to connect to the WLAN through AP. It's like a name that differentiate WLAN environments. Therefore both AP and wireless device must have the same SSID in order to connect to a certain WLAN.

TCP/IP

A protocol that makes smooth communication between LANs and WANs through computers. TCP/IP is made up with TCP plus IP protocol. TCP (Transmission Control Protocol) guarantees data transmission between server and client. IP (Internet Protocol) is the computer address.

TFTP

A protocol, which allows files to be transferred from a host to a client.

TLS (Transport Layer Security)

An IETF standardized protocol that provides data integrity and privacy between two communications. It allows client-server applications to communicate and is designed to prevent eavesdropping.

UAM (Universal Access Method)

It is a login process using HTTP or HTTPS protocol (http over SSL, which tunnels the http packet to ssl channel) through web browser for user ID and password input from html page, so that users can access the service.

uPnP (Universal Plug and Play)

uPnP is an architecture for peer-to-peer network connectivity of PCs and intelligent devices or appliances, particularly within the home. uPnP builds on Internet standards and technologies, such as TCP/IP, HTTP, and XML, to enable these devices to automatically connect with one another and work together to make networking particularly home networking possible for more people.

USB (Universal Serial Bus)

It is a connection between a PC and a peripheral that transmit data. USB 1.1 provides data rate of 12Mbps and new USB 2.0 is 40 times faster, which makes 480Mbps data rate. It supports Plug & Play and supply power.

VoIP (Voice over IP)

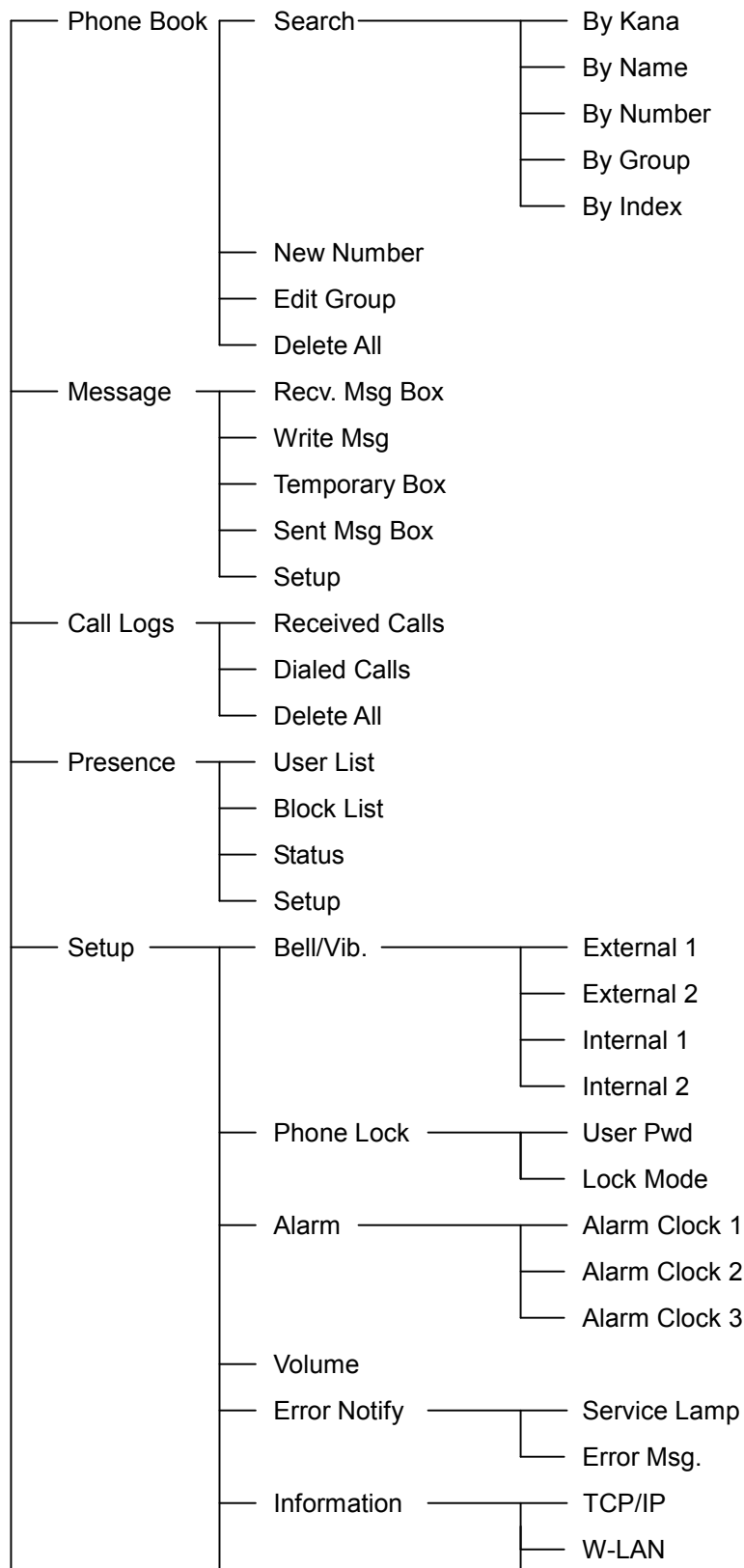
A term used in IP Telephony for a set of facilities for managing the delivery of voice information using the Internet Protocol(IP), which means sending voice information in digital packets.

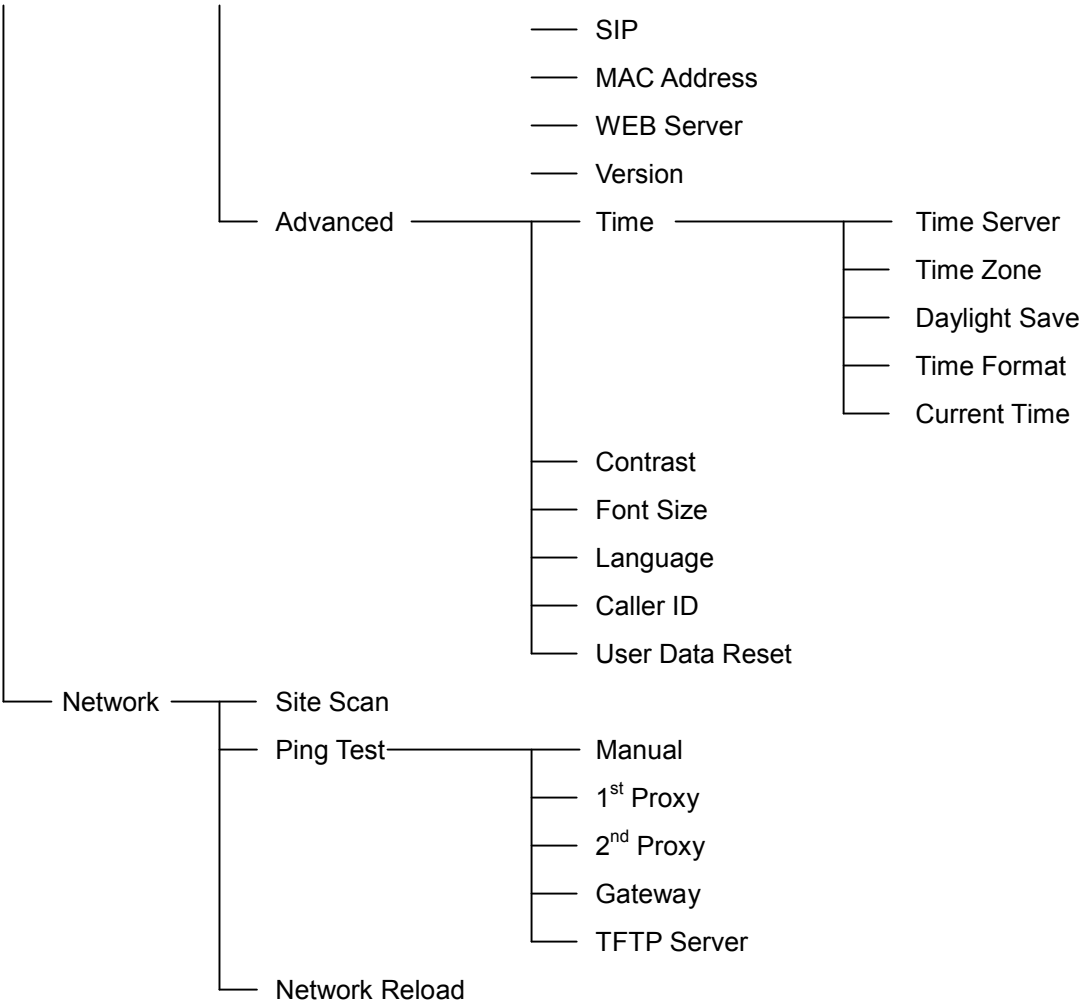
WEP (Wired Equivalent Privacy)

Data encryption method used to protect the transmission between 802.11 wireless clients and APs. However, it used the same key among all communicating devices. WEP's problems are well-known, including an insufficient key length and no automated method for distributing the keys.

14. Menu Construction

This chapter shows the whole menu construction of WirelessIP 5000.





THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

Operation is subject to the following two conditions; (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

CE 0678 !

CE application country

country	code
Austria	AT
Belgium	BE
Cyprus	VY
Czech Republic	CZ
Denmark	DK
Estonia	EE
Finland	FI
France	FR
Germany	DE
Greece	GR
Hungary	HU
Ireland	IE
Italy	IT
Latvia	LV
Lithuania	LT
Luxembourg	LU
Malta	MT
Netherlands	NL
Poland	PL
Portugal	PT
Slovakia	SK
Slovenia	SI
Spain	ES
Sweden	SE
United Kingdom	GB
Iceland	IS
Liechtenstein	LI
Norway	NO
Switzerland	CH
Bulgaria	BG
Romania	RO
Turkey	TR

15. Hardware Specification

A. Package Contents

- 1) **WirelessIP 5000 : 1ea**
- 2) **Cradle : 1ea**
- 3) **AC/DC Adaptor : 1ea**
- 4) **Battery : 1ea**
- 5) **USB Cable : 1ea**

B. Product specification

- 1) **Operating Temperature : -10℃ ~ 50℃**
- 2) **Standard : (HxWxT): 127 x 43 x 19.2mm**
- 3) **Weight : 103g**
- 4) **Adaptor**
 - **input voltage : AC100~240V, 50~60Hz**
 - **Rated output voltage : DC 5.0V ± 0.2V**
 - **Max. Output Current : 1A**
- 5) **Battery**
 - **Battery type : Li-ion**
 - **Rated Capacity : 1,300mAh**
 - **Battery output voltage : 3.7V**
 - **Time**
 - Stand by time 55 hour**
 - Talk time 4 hour**

16. Contact Us

Please have the following information ready when you contact customer support.

- Ø Product model and serial number.
- Ø Date that you purchased WirelessIP 5000.
- Ø Software version and Bootrom version.
- Ø Brief description of the problem and the procedure how it has occurred.

Address		Telephone / Fax	Homepage
UniData Communication Systems, Inc. GangNam-Gu NonHyun-Dong 82-15, OhSung-Bldg 2F, 135-010 Seoul, Korea		+82-2-3443-3390 +82-2-3443-7103	http://www.udcsystems.com
E-mail	Product	sales@udcsystems.com	
	Corporate	webmaster@udcsystems.com	
	Job	human@udcsystems.com	
	Partnership	sales@udcsystems.com	