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FCC Statement

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.

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

Conventions used in this User Guide

Listed below are the typographical conventions used in this User Guide.

- * In this User Guide, “press the key” means to release the key after you press it; “press and hold the key” means to press the key for over seconds before releasing it.
- * The text displayed on the screen is indicated in bold in this User Guide, for example **Phone Book**.

Getting to know your VoIP Phone

Congratulations on purchasing the VoIP Phone!

The VoIP Phone is a practical and highly manageable Voice over Internet Protocol (VoIP) phone that looks similar to a regular phone and uses the Internet for voice communication. The VoIP Phone is capable of communicating with regular telephones at very low costs. It can also be a highly stable, cost-effective communication tool with a traditional feel. This Guide will instruct you on quickly and easily connecting and using the VoIP Phone.

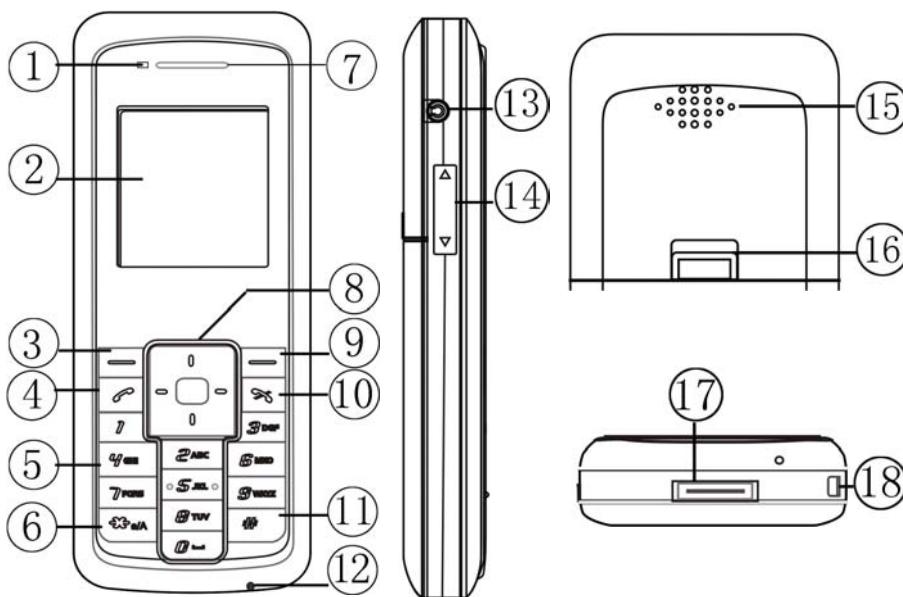
This chapter will introduce you to know about the VoIP Phone.

Package contents

When you get the VoIP Phone, you should have all the following components inside the package. If you find anything missing or if the documentation set is incomplete, contact your local phone dealer immediately.

- * VoIP Phone handset
- * User Guide
- * Charger

VoIP Phone overview



1. LED
2. LCD screen
3. Left function key

This key is used to perform the function indicated on the screen above it.

4. Call key

This key is used to make or receive a call. It can also be used to access dialed call logs in the idle screen.

5. Numeric keypad

These keys are used to enter number and characters.

6.  key

This key is used to enter “*” and switch the input method.

7. Earpiece

8. Navigation key

This key is used to scroll up and down through out the menu lists. Press  to enter.

9. Right function key

This key is used to perform the function indicated on the screen above it.

10. Power key

This key is used to switch the phone on and off, to end/reject a call, or to return to the previous screen.

11.  key

This key is used to enter “#” and punctuations.

12. Microphone
13. Earphone socket
14. Volume button
15. Speaker
16. Battery release button
17. Charging socket
18. Strap hole

Menu overview

Press the left function key  to access the main menu.



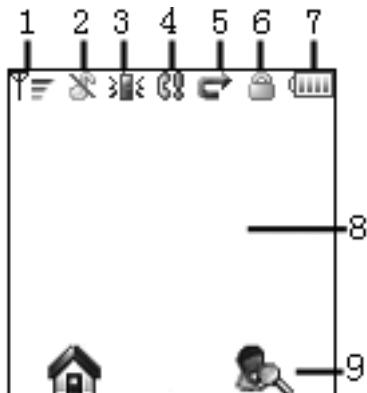
1. Phone Book 
2. Call History 
Missed Calls Received Calls Dialed Calls
3. Call Features 
Call Forward Speed Dial Call Waiting Direct IP
4. Phone Conf 
Audio Ringer Date/Time Theme Language

5. Admin Conf

WLAN Conf User Conf STUN Conf Others
Version

Display indicators

Icons on the status bar



1. Show the current signal strength
2. Ringer volume is set to mute
3. Ring mode is set to vibration
4. Missed call
5. Call forward
6. Key locked (Press  and the left function key  to lock/unlock the keyboard)
7. Battery indicator
8. Content display area: Shows the time and date
9. Function key display area: Shows the functions of the left function key  (access main menu) and right function key  (access **Phone Book**)

Function key description

Function key	Descriptions...
	Go to menu
	Go to Phone Book

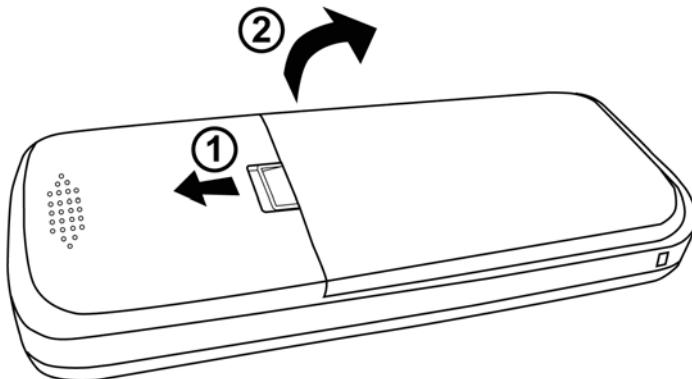
Function key	Descriptions...
	Clear one character where the cursor located
	Perform the functions of selecting, confirming, OK, etc
	Back one level of the menu, or exit the message box, No
	Save the settings in the edit mode
	More
	End the established call, and connect to the incoming call
	Add contacts
	Abort
	Hold the current call
	Unhold the current call

Removing and inserting battery

To remove the battery

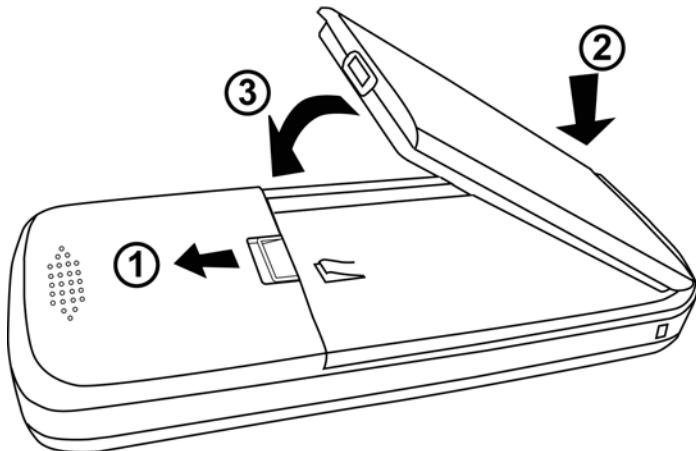
1. In the idle screen, press and hold the power key  to switch the phone off. (Otherwise, some user settings may be lost.)
2. Remove the battery.

With the back of the phone facing you, slide the battery release button upwards and lift the battery off in the direction of the arrow.



To insert the battery

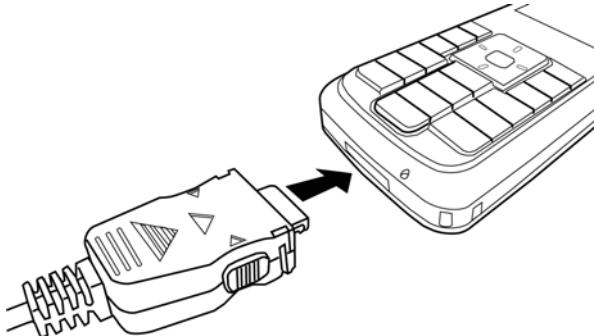
1. Slide the battery release button upwards.
2. Place the battery with the metal contact facing downwards in the battery compartment.
3. Press the battery downwards until it fits into the battery compartment, then release the battery release button.



Charging battery

When the battery power is low and needs recharging, the battery indicator  will flash continuously, the phone will be switched off automatically. To charge the battery, please follow the steps below:

1. Plug the charger to an AC wall outlet.
2. Connect the lead to the charging socket of the phone. And the LED light turns orange, the battery indicator bar starts to scroll ().



3. When charging is complete, the battery indicator bar stops scrolling and the LED light turns green.

4. It is normal that your charger and phone become warm to touch when the battery is being charged.
5. If the phone is turned on while charging, you can still make and receive calls as usual.

Battery use and care

- A. We recommend that you fully charge the battery before you use your phone for the first time.
- B. A new battery or one which has not been used for a long time may have reduced capacity for the first few times it is used.
- C. It is important that you always turn off your phone before removing the battery. Failure to do so can cause corruption of data in memory.
- D. Always detach the charger before installing or removing the battery.
- E. Warning! Battery may explode if disposed of in fire. Do not expose the battery to liquid.
- F. Do not disassemble or modify the battery. Only use the battery for its intended purpose.

Input method

This phone supports English letter (Uppercase letter and Lowercase letter) and Digit input methods.

Switch input method

In text-editing mode, press  to switch between these input methods. The current input method indicator will be displayed at the upper right corner of the screen:

Input method	Indicator
Uppercase letter	A
Lowercase letter	a
Digit	1

Letters

Switch to Uppercase letter input method; “A” will be displayed at the upper right corner of the screen.

1. To enter a letter, press the corresponding key repeatedly until the letter you need appears.
For example: if you press  repeatedly, the following letters appear in turn: (A→B→C→2)
2. After you have entered the intended letter, press any other key on the keypad to enter the next letter. If the next letter you will enter and the current letter share the same key, simply wait for one second to enter again.
3. Press the right function key  to delete the character to the left of the cursor; press and hold the right function key  to delete all characters; press  to switch input methods.

The step to enter lowercase letter is quite same as the uppercase letter input method.

Digit

Switch to Digit input method; “1” will be displayed at the upper right corner of the screen.

To enter digits, press the corresponding number keys.



Note: When entering letters or digit, you can press - repeatedly to enter punctuations; press  to switch input methods; press  twice to enter a space.

Getting started

Switching the phone on/off

To switch on your phone

1. Press and hold the power key , the phone will display the power-on animation as the following screen.
2. A few seconds later, the idle screen displays, you can use your phone.



To switch off your phone

1. Press and hold the power key .
2. “Saving Config! Please Wait ...!” will be shown on the screen, then your phone will be switched off automatically.

Making a call

When you switch on your phone, it searches for a network automatically. Once network service is available, you can make or receive calls.

To make a call

1. Enter the phone number.

To delete the character or digit to the left of the cursor, press the right function key , To move the cursor,

press the navigation key . To delete all the numbers or characters, press and hold the right function key .

2. Press the call key  to dial out.
3. To end the call, press the power key (end call key) .



Note: Prior to making or receiving calls, the phone must be connected to a wireless Access Point (AP) and registered with the service network. See “Admin configuration” on page 45 for detailed instructions.

Answering and rejecting an incoming call

When you receive a call, the phone rings.

To answer an incoming call

1. When there is an incoming call, you may press the call key .
2. To end an incoming call, press the power key (end call key) .

To reject an incoming call

- * When there is an incoming call, press the power key (end call key)  to reject the incoming call.

During a call

While on a call, you can perform the following operations:

To mute the microphone

- * To resume the volume, press the left function key  and select **Mute/Unmute**.

To hold/unhold a call

1. During a call, press the right function key  (an icon displayed on screen ) to hold the current call.
2. To take the call off hold, press the right function key  (an icon displayed on screen ) to unhold the call.
3. To end the held call, press the power key .

To make a new call

1. While on a call, if you need to connect to a third party, press the left function key .
2. Press the navigation key  to select **Make a new call**.

3. Enter the third party's phone number, and then press the call key .
4. When the connection succeeds, you can start the call with the third party. The original call will be placed on hold.

Call features

Your phone also supply the following functions: Call forward, Speed dial, Call waiting and Direct IP.

Using speed dial

Select this option to assign a phone number to one of speed dial keys  -  for greater convenience when dialing.

To assign a phone number in speed dial

1. Select **Speed Dial** in **Call Features**.
2. Select the position you want to set the speed dial number from **1** - **9** for the speed dial feature.
3. Press the left function key **—**, enter the speed dial number.
4. Press the left function key **—** to save.

To make a call in speed dial

If you have assigned a phone number to one of the speed dial keys **1** - **9**, you can quickly call that phone number.

- * In the idle screen, press and hold the corresponding speed dial key to automatically dial out the number.

Call waiting

This option enables you to set the **Call Waiting** function.

To enable call waiting function

1. Press the left function key  to select **Call Waiting** in **Call Features**.
2. Select **Enable** to activate **Call Waiting** function.

To set the call waiting duration

1. Select **Duration** in **Call Waiting**.
2. Select the waiting duration in the list.

Call forward

If the **Call Forward** function is activated, you can forward a call to another phone number.

You can use the following forwarding functions:

- * **All calls:** Forwards all calls to another number.

- * **On Busy:** Forwards when you are busy.
- * **On No-Answer:** Forwards when you cannot answer the phone.

To set a call forward number

1. Press the left function key  to select **Call Forward**.
2. Select one of the forwarding options (e.g., All Calls), then select **Forward Add**.
3. Enter the phone number to that you want your calls to be forwarded.

To enable a call forward

1. Press the left function key  to select **Call Forward**.
2. Select one of the forwarding options (e.g., All Calls), then select **Enable**. Press the navigation key  to highlight **Yes** to enable the call forward function.

Direct IP

Select **Direct IP** in **Call Features**, enter the IP address you need to dial, and press the call key  to dial out. (Press the key  to enter “.”; and the address will be blank when you access next time.)

Call history

Your phone records missed, received and dialed calls.

In the idle screen, press the left function key  to access the main menu, then press the navigation key  to select **Call History** .

In the idle screen, you can press the call key  to quickly access **Dialed Calls**.

Missed calls

After you access this option, the phone will display the information of the most recent missed call: the caller's phone number or name (if the number is stored in the **Phone Book**).

When viewing a call history, you can dial the caller's phone number by pressing the call key .

Select **Missed Calls** in **Call History**, the caller's phone number will be displayed. You can save, remove or view the details of the number.

To save as new

1. Press the navigation key  to highlight the number you will save it as a new record.
2. Press the left function key  to select **Save as new** in **Missed Calls**.
3. Select the phone number type, press the left function key  to access **Add Contact** mode.

4. Edit the number and press the left function key  to save.

To add to contact

1. Press the navigation key  to highlight the number you will add to **Phone Book**.
2. Press the left function key  to select **Add to contact** in **Missed Calls**.
3. Select the contact existed in **Phone Book**, select the phone number type and press the left function key  to access **Edit contact** mode.
4. Edit the number and press the left function key  to save.

To view details

1. Press the navigation key  to highlight the number you will view the details.
2. Press the left function key  to select **View Details** in **Missed Calls**.

3. The name, address, date, time and call duration will be displayed in **View Details**.

To remove a call

1. Press the navigation key  to highlight the number you want to delete.
2. Press the left function key  to select **Remove**.
3. Press the left function key  to delete the entry; press the right function key  to cancel.

You also can view the received and dialed calls. They have quite the same function with missed calls, please refer to **Missed calls** for details.

Phone Book

You can store frequently used phone numbers and names in the **Phone Book**. Each entry may contain a name and two phone numbers.

Accessing the Phone Book

You can access the **Phone Book** in either of the following ways:

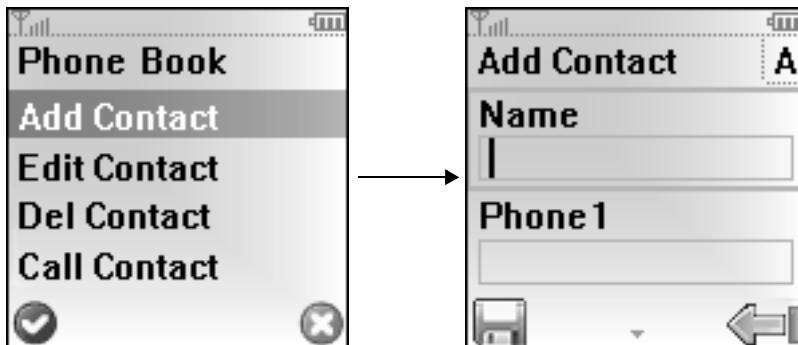
- * In the idle screen, press the right function key .
- * In the idle screen, press the left function key  to access the main menu, scroll to **Phone Book** and press the left function key .

- * Or in the idle screen, press the enter key , then press it again or left function key .

Adding an entry

All entries in **Phone Book** will be displayed in the contact list. To add a new entry in the following steps:

1. Press the left function key , select **Add Contact** to the entry edit screen.



2. Enter the name.

The name cannot be left blank; otherwise “Please enter a name.” will be displayed.

3. Use the navigation key , scroll to the number location and enter the number.

The phone number cannot be left blank; otherwise you will be alarmed “Please enter at lease one number.”.

4. Press the left function key  to save the entry when finish editing.

Editing an entry

Change names or numbers by doing the following steps:

1. Select an entry in the contact list.
2. Press the left function key , select **Edit Contact** to access the entry edit mode.
3. Change the name or number, press the left function key  to save.

Deleting entries

You can delete entries saved in **Phone Book**.

1. Select an entry in the contact list.
2. Press the left function key  to select **Del Contact/ Delete All**.
3. When get the prompt “The contact will be deleted. Are you sure?”, press the left function key  to delete the entry; press the right function key  to cancel your selection.

Making a call in Phone Book

You can enter numbers directly in the idle screen to make calls. Also, you can make calls in **Phone Book**.

1. In the contact list, select an entry and press the left function key .
2. Select **Call Contact**. Select the number you will dial and press the call key .

Phone configuration

Customizing your phone

There are a number of ways for you to change the phone's settings to suit your requirements.

Accessing phone configuration

To customize your VoIP Phone, access the **Phone Conf** first:

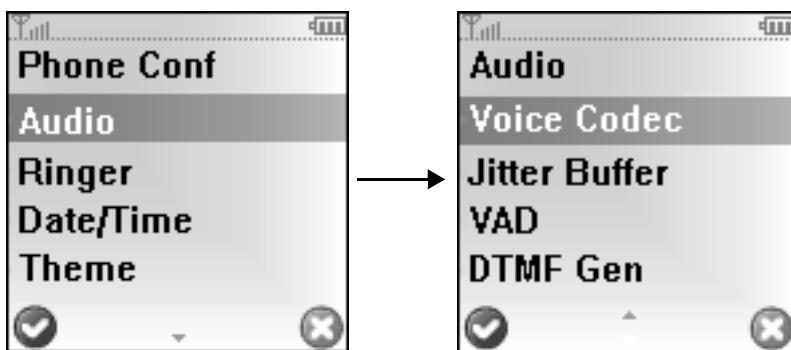
1. In the idle screen, press the left function key  or enter key  to access the main menu.
2. Scroll to **Phone Conf**  and select.

Audio

This item enables you to customize the phone alert settings to suit a variety of environments.

When you access this menu, the audio list will be displayed. You can customize each one and activate the one that suits your environment.

1. In the **Phone Conf** screen, select **Audio**.
2. Select the audio you will activate, press the left function key  to confirm your selection.



Ringer

This option enables you to select a special ring tone for the incoming calls.

Ringtone

1. In the **Phone Conf** screen, select **Ringer**.
2. Select **Ringtone**, scroll through the ringtones, listen to each and highlight the desired one, press the left function key  to confirm your selection.

Volume

Select this option in **Ringer** to adjust the ring volume level for incoming calls.

There are 10 volume levels, press the left or right navigation key to decrease or increase the ring volume level. When the volume level is set to 0, you can see  on the status bar.

Vibration

This function enables you to define how the phone will notify you of the incoming call.

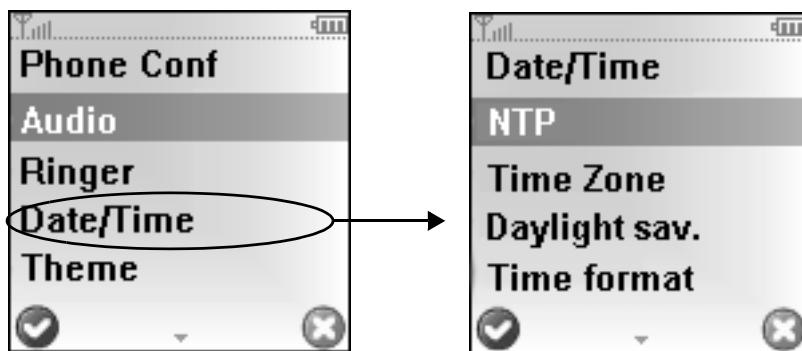
1. Select **Vibration** in **Ringer**.

2. Select **On** to enable vibration; select **Off** to disable.

Date/Time settings

This function enables you to set the phone's date, time, time format, etc.

1. Select **Date/Time** in **Phone Conf**.



2. Select **NTP**, select **NTP Svr Add** to enter the IP address. Press the left function key to save. Then scroll to **Enable**, select **Yes** to enable **NTP**.

3. Select **Time Zone**, some cities (time zones) will be displayed. Scroll to the desired one and press the left function key  to set it as the current time zone. The phone's time will change accordingly.
4. Select **Daylight sav.**, select **Standard time** to set the time as the standard time; or select **Daylight sav..**
5. Scroll to **Time format**, select **12 Hours** or **24 Hours**; scroll to **Date format**, select the date format, press the left function key  to save.

Theme settings

This function enables you to change the screen color.

1. Select **Theme** in **Phone Conf.**
2. Scroll to the desired theme, press the left function key  to confirm your selection.

Language selection

This function enables you to select the language of the phone's text display.

1. Select **Language** in **Phone Conf.**
2. Scroll to the desired language, press the left function key  to confirm your selection.

Admin configuration

Accessing admin configuration

From this function, you can perform the following settings.

In the idle screen, press the left function key  to access the main menu. Press the navigation key  to highlight **Admin Conf** to activate it.



***Note:** When accessing Admin Conf, you need enter the default key “1111”.*

WLAN conf

WLAN is the abbreviation of Wireless Local Area Network.

This option enables you to set up to five AP (Access Point) profiles. Each time you switch on your phone, the phone will try to connect to one of five APs according to their respective profile settings.

Select **WLAN Conf** in **Admin Conf**, press the navigation key  to highlight the desired AP profile (1-5), and then press the left function key  to select **Edit**. The following options will be available:

SSID (Service Set Identifier)

This option enables you to save an AP's SSID. After accessing this option, enter the SSID (32 alphanumeric characters maximum), and then press the left function key  to save.

Mode

This option enables you to set the mode for the AP profile.

After accessing this option, select **Infra** or **AdHoc**.

- * **Infra:** Infrastructure mode wireless networking joins a wireless network to a wired Ethernet network. It also supports central connection points for WLAN clients.
- * **AdHoc:** On wireless computer networks, ad-hoc mode is a method for wireless devices to directly communicate with each other. Operating in ad-hoc mode allows all wireless devices within range of each other to discover and communicate in peer-to-peer fashion without involving central access points (including those built in to broadband wireless routers).

Encryption

This option enables you to set the security mode for the AP profile.

After accessing this option, select **Mode**, **WEP Keys** or **WPA Personal**:

- * If **Mode** is selected, select the security mode for the AP.
- * If **WEP Keys** is selected, the options of **WEP keys** will be displayed.
- * If **WPA Personal** is selected, the options of **WPA Personal** will be displayed.

WEP Keys

If the AP profile's security mode is set to **WEP Keys**, select this option to set the WEP keys. After accessing this option, observe the following operations:

- * **WEP Bits:** Select **64bit** or **128 bit** according to the WEP keys settings, press the left function key  to save.
- * Select **WEP Key 1 - WEP Key 4** to set the key number. Then select **Def. Key ID** to access the key index.

Press the navigation key to highlight the desired one and press the left function key  to save.

WPA Personal

If the AP profile's security mode is set to **WPA Personal**, select this option to set the passphrase.

- * After accessing this option, select **Passphrase** and enter the **WPA Personal** key. Press the left function key  to complete the operation.

TCP/IP

This option enables you to set the network parameters.

DHCP (Dynamic Host Configuration Protocol)

If the DHCP function is active, the phone will obtain an IP address from the DHCP server automatically.

- * After accessing this option, select **Enable** or **Disable** to enable or disable DHCP.

Static IP

This option enables you to perform IP settings.



Note: *Only when DHCP is disabled, can the Static IP option be available.*

- * **IP Address:** Select this option to set the phone's IP address. Press the left function key  to save.
- * **Subnet Mask:** Select this option to set the subnet mask. Press the left function key  to save.
- * **DNS Server:** Select this option to set the IP address of the local DNS server. Press the left function key  to save.
- * **Def. Gateway:** Select this option to set the gateway IP address. Press the left function key  to save.

When finished the **WLAN** config settings, you can select **Current Conf** in **WLAN Conf** to access config index and select the desired one.

User conf

From this option to configure the phone's user settings.

- * **Profile name:** Enter the profile name, press the left function key  to save.
- * **Username:** Enter phone's user name, press the left function key  to save.
- * **Password:** Enter the security code, press the left function key  to save.
- * **Display Name:** Enter the display name, press the left function key  to save.
- * **Domain:** Set the server domain address, press the left function key  to save.
- * **Registrar:** Set the server registrar address, press the left function key  to save.
- * **Registrar Port:** Set the server port, press the left function key  to save.

- * **Outbound Proxy:** Set the user outbound proxy, press the left function key  to save.
- * **Ob. Proxy Port:** Set the user outbound proxy port, press the left function key  to save.

Stun conf (Simple Traversal of UDP over NAT)

This option enables you to set the STUN protocol.

- * **Enable:** Select Yes or None to activate or deactivate the Stun function.
- * **Stun Server:** Set the Stun server address, press the left function key  to save.
- * **Stun Srv Port:** Set the Stun server port, press the left function key  to save.

- * **Refresh Int.:** Select to set the time interval that device talks to STUN server, press the left function key  to save.

Others

Site survey

This option enables you to search the available AP profile.

Select **Others** in **Admin Conf**, press the navigation key



to select **Site Survey**, the phone will search available AP automatically. When available AP profile is found, the information will be displayed.

Factory Reset

This option enables you to reset your phone.

Select **Factory Reset** in **Others**, you need enter the password (system default value 2468) to perform factory reset.

Press the left function key  to reset your phone; press the right function key  to cancel.

MAC Address

Select **MAC Address** in **Others**. **MAC Address** is a hardware address that uniquely identifies each node of a network.

Trouble shooting

This chapter lists some problems you might encounter while you use your phone. Some problems require you to call your network service provider, but most of the problems you can easily correct yourself.

If you need to hand in your phone to repair, you might lose the data you save in your phone. So, we strongly recommend that you make a copy of this information before you hand in your phone for repair.

The phone cannot be switched on

- * Press and hold the power key  for more than 2 seconds.
- * Is the battery low? Charge the battery.

Cannot make calls

- * Ensure the phone's Wi-Fi settings are correct.
- * Move closer to the AP for better signal strength.

The battery cannot be charged

- * Connect the charger and phone correctly.

WLAN search didn't find my AP

- * Enable your AP's SSID broadcasting.
- * Make sure your phone is within range of your AP.

If the malfunction symptoms are not listed in the above, or the corresponding solution is invalid, please contact your local service provider.

- * **AC wall outlet:** Alternating Current wall outlet
- * **AP:** Access Point
- * **DHCP:** Dynamic Host Configuration Protocol
- * **DNS:** Domain Name Server
- * **LCD:** Liquid Crystal Display
- * **NAT:** Network Address Translation
- * **SSID:** System Set Identifier
- * **STUN:** Simple Traversal of UDP over NAT
- * **UDP:** User Datagram Protocol
- * **VoIP:** Voice over Internet Protocol
- * **WEP:** Wired Equivalent Privacy
- * **WLAN:** Wireless Local Area Network
- * **WPA:** Wi-Fi Protected Access
- * **TCP/IP:** Transmission Control Protocol and Internet Protocol