



ZEUS Wi-Fi SIP Phone User Manual

Version 1.1



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1

Overview

ZEUS positions as a Wi-Fi SIP Phone. It is intelligent communication device, adds Voice-over-IP communications with wireless installations, allowing simultaneous voice and data support on the same wireless backbone. It makes standard voice telephone calls when in range of and configured for an appropriate 802.11g access point. The Wi-Fi Phone has the same form factor, buttons and screens as a cell phone. Operation is almost identical to a cell phone as well. The Major difference is in coverage. The Wi-Fi Phone works only where 802.11g coverage is available.

1.1

Prerequisites

You will need to arrange with a VoIP service provider for VoIP (voice over internet protocol) service.

Your VoIP service provider must provide you with the following information:

- Your phone number, consisting of decimal digits.
- SIP server address, in dotted decimal notation only.
- SIP server port if different than the industry standard port 5060.
- SIP proxy address, (frequently the same as SIP server address).
- SIP proxy port if different than the industry standard port 5060.
- Proxy user name and password (if used).
- STUN server address, if required for NAT traversal.
- STUN server port, if different than the industry standard port 3478.
- Whether g711 or g729 codecs are supported. Usually, g711 codec is always supported.

You will need to arrange for 802.11g network connectivity.

For use of an open network as a guest (e.g. commonly available at coffee shops, motels, etc.) you will need to know only the SSID (name) of the access point(s), although even this information is frequently obvious from discovery (see Menu / Net Settings). **NOTE** that the handset does **NOT** support networks that require logging in or paying via a web page, because the handset does not display web pages.

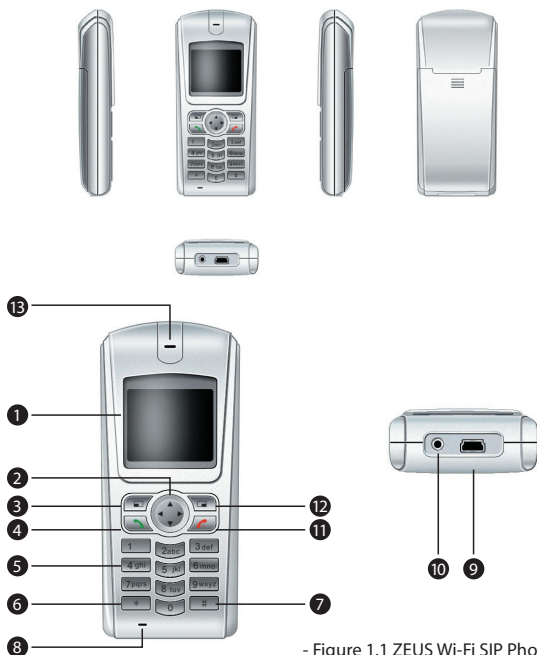
You may possibly need to give your network administrator the following information:

The MAC address of your Wi-Fi SIP Phone.

This consists of 6 pairs of letters and/or digits, with the pairs separated by colons. It can be found from the status menu item.

1.2

Function Description



- Figure 1.1 ZEUS Wi-Fi SIP Phone -

No.	Name	Description
1	LCD Display	Display screen
2	Navigator button	This key is used to scroll up and down through menu lists. Navigate from one function to another. Can be used also in : <ul style="list-style-type: none"> ◀ Phone book ▶ Menu ▲ Adjust speaker volume ▼ Adjust speaker volume
3	Left soft key	Function operating key: Used to perform functions indicated on the screen above it
4	Talk key	Used to answer a call or dial a number
5	0-9	Number key: Used to enter numbers and text
6	*	Asterisk Key: Used to enter " ", "@", " ", "
7	#	Pound key: Used to select among number, upper or lower case character
8	Microphone	Talk on phone
9	Mini-USB port	Connect to power adapter to charge battery
10	Head phone jack	Connect to ear phone
11	Power key / End key	Power on / power off: Press and hold for 3 seconds to switch off phone End key: used to end of reject a call. The END key may be briefly depressed at any time to return to the main window. Pressing END at the main window will terminate active call if any.
12	Right soft key	Function operating key: Used to perform functions indicated on the screen above it
13	Receiver	Listen

- Table 1.1: function description -

1.3 Wi-Fi SIP Phone Specification

Spec	
Item	Description
Memory	Flash:8MB SRAM:2MB
LCD Display	LCD Type: Monochrome Display Size: 1.8 inch With Backlight
Buttons	1-9, 0, star and pound keys, plus talk, end, navigator key and left and right soft select keys
Ports	Mini-USB port, Head Phone Jack 2.5
Battery	Rechargeable, Removable Li-Ion Battery (3.6V, 600mAh)
Notification	Ringer / Vibration
Dimensions	107.8 (L) x 47 (W) x 20.6 (H) mm
Weight	81g
Accessories	Power adapter without cable (USB interface) (Input AC 110-240V/ Output DC 5V) <ul style="list-style-type: none"> ● User Manual ● USB Cable ● Quick Start Guide ● Li-Ion Rechargeable Battery

- Table 1.2: Specification -

1.4 Power On and Off

To power on, press the Power key for several seconds or until a display appears on the screen. To power down, press the Power key for several seconds until the display announces powering down.

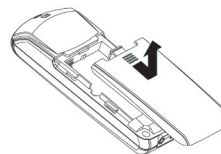
In event of a malfunction (e.g. handset freezes with menu displayed), pressing the Power key for several seconds to power off and then releasing and pressing the Power key for several seconds to power on should fix the problem. If that should fail, removing and replacing the battery will work. However, the current date and time are lost whenever the battery is removed or is drained dry.

1.5 Charge the battery

When the battery power is low and needs to recharging, the phone will show "Battery Low" information. Reminding you that the battery is running low and the phone will be switched off automatically. To charge the battery, please connect the power adapter to Mini-USB port.

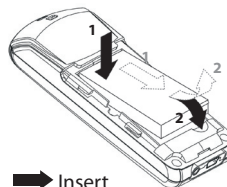
1.6 Install and Remove Battery

- 1 Please switch the phone off before inserting or removing the battery.



Turn to the back of the phone.
Pull the battery cover.

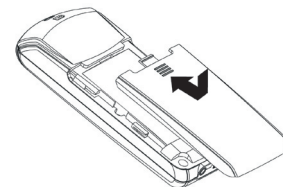
- 2 Insert or remove the battery.



➡ Insert

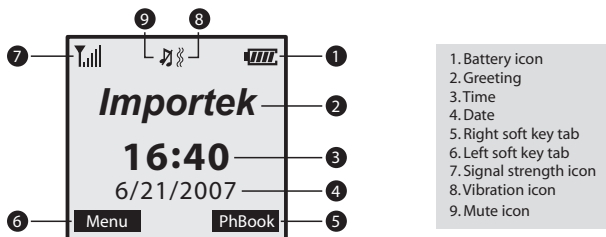
⇨ Remove

- 3 Push the battery cover.



1.7 Main Screen

After powering on, the phone enters standby mode, with the main screen displayed, as shown in Figure 1.2



- Figure 1.2 Main Screen -

1.8 Edit text

- Press pound key(#) to switch between upper case character, lower case character and numeric mode with the icon "ABC", "Abc", "abc", "123" shown at the middle of the bottom of LCD screen respective.
- Press Asterisk Key(*) to enter ".", "@", "/"
- Press ▲ or ▼ to move the cursor.
- Press Right soft key to clear the number/character that the cursor points to.
- Press End key to abort the editing.

1.9 Make a phone call

- You can enter phone number then press Talk key to make a phone call.
- You can search the Phone book by name to get the phone number and make a call.
- You can find the phone number from the Call History to make a phone call.
- You can press Speed Numbers to make a call.

1.10 Answer a call

To answer a call, press Talk key or "Answer" key. When talking, you can use ▲ or ▼ to adjust the speaker volume.

To reject a call, press End key or "No" key.

1.11 Keypad lock

Press Right soft key then # (Pound key) to lock/unlock the keypad.

The lock icon indicates the phone is now locked.

Press Right soft key then # until the lock disappear to unlock the phone.

1.12 Speed Numbers

Up to 9 phone book entries may be associated with digit keys 1 through 9 to allow calling of phone numbers with the entry of just a single digit.

Please see **section 7.3** to setup the speed numbers.

In the main screen, press digit keys 1 through 9 then press Talk key for making a call.

1.13 Multiple Call

The Wi-Fi SIP Phone can handle a maximum of two simultaneous calls. A call can be placed on hold, and an incoming call taken or another outgoing call made. It is possible to switch between the two calls.

While active call, press Right soft key for Hold or unhold, press Left soft key for Call Options.

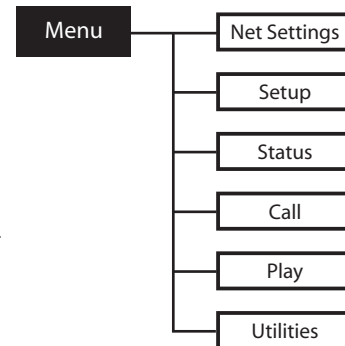
- 1. Speaker On/Off 2. Hold / unhold 3. Mute / unmute
 4. New call 5. Phone Book 6. Main Menu

2 Menu

In the standby mode, Figure 2.1 shows the main **screen**. Press the Left soft key to select the **Main menu**. Press the Right soft key to select the **Phonebook**. Press Talk key to show the **Call Log**. See section 7.2 for more information.



- Figure 2.1 Menu and Phonebook -



- Figure 2.1 Menu and Phonebook -

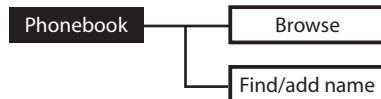
The main menu is displayed, as shown in Figure 2.2. You can select ▲ or ▼ to scroll through its submenu list and press Left soft key to select submenu.

3 Phonebook

This chapter provides information about accessing the Phonebook menu and using its features.

Figure 3.1 shows the architecture of the Phonebook menu.

The Wi-Fi SIP Phone supports up to 100 phone book entries, each of which may have a name and an optional customized ring tone. The phone book may be viewed sequentially, or an entry may be searched for by name. Selecting a phone book entry (and location choice for that entry, if more than one) allows calling without entry of phone number.



- Figure 3.1 Phonebook -

In Main screen, press Right soft key. The Phone Book menu is displayed, as shown in Figure 3.1

3.1 Browse the Phonebook

- In the Phonebook menu, press ▲ or ▼ to scroll to **Browse**. Then press Left soft key to select it.
- Press ▲ or ▼ to scroll to the name you want to browse. Then press Left soft key to select it.
- Now you can edit phone numbers, modify special ring, edit name, or delete this entry
- When viewing one record, you can call the number of that record by pressing the Talk key then make a call.

3.2 Create a new record

- In the Phonebook menu, press ▲ or ▼ to scroll to Find/add name. Then press Left soft key to select it.
- Now you can enter the user name and its phone number to the phonebook.

4 Net Settings

In the main menu, press ▲ or ▼ to scroll to Net Settings. Then press Left soft key to select it

- Enter this settings, it will do WLAN scan. Press ▲ or ▼ to scroll this menu for AP. Then press Left soft key to select it.
- Enter SSID, then press Left soft key for "Done". Press Right soft key for "Clear"
- Select Security Type (Open, WEP/Shared, WPA PSK/TKIP, WPA2 PSK/AES)
- Select Key Method (Hex Key, Passphrase/Text)
- Select WEP key index (Using the same index value as the settings in the Access Point)
- IP Setup
 - Use **DHCP** (IP address, Netmask, Gateway and DNS address will be assigned by AP)
 - Use **Static IP** (manually input data)
 - IP Address
 - Netmask
 - Gateway
 - DNS
- Enter phone number
- SIP server
 - SIP Server Address
 - SIP Server Port : (default: 5060)
- SIP Proxy: If there is no given SIP Proxy, please input SIP Server instead of

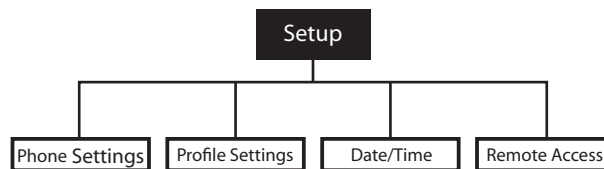
Notice: If you input outbound proxy address and port here, STUN server address must set to empty.

 - SIP Proxy Address
 - SIP Proxy Port : (default: 5060)
 - SIP Proxy User: username
 - SIP Proxy Password
- STUN server
 - STUN Server Address
 - STUN Server port (default: 3478)
- High Compression : Using G729 (Please ask your SIP service provider before swithcing this function on.)
 - Off : (default)
 - On
- Save Profile Setting (save the date above as a profile)

5 Setup

This chapter provides information about accessing the Setup menu and using its features. Figure 5.1 shows the architecture of the Setup menu.

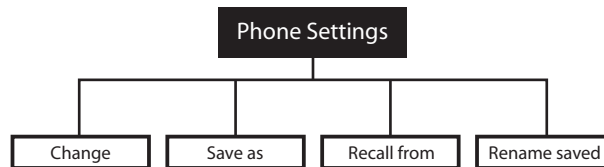
In the main menu, press ▲ or ▼ to scroll to Setup. Then press Right soft key to select it.



- Figure 5.1 Setup -

5.1 Phone Settings

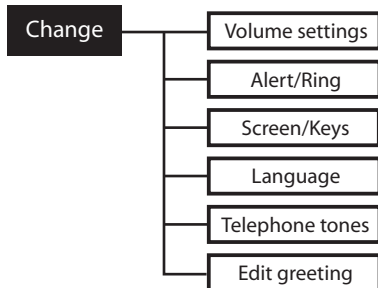
In the setup menu, press ▲ or ▼ to scroll to Phone Settings. Then press Left soft key to select it. In this settings, you may select "Change", "Save as", "Recall from", "Rename saved"



- Figure 5.2 Setup -

5.1.1 Change

In the Phone Settings menu, press ▲ or ▼ to scroll to Change. Then press Left soft key to select it.



- Figure 5.3 Phone Settings -

5.1.1.1 Volume Settings

- **Speaker volume:**
Press ▲ or ▼ to adjust the volume. Then press Left soft key while finish.
- **Ring volume:**
Press ▲ or ▼ to adjust the volume. Then press Left soft key while finish.
- **Key click:**
Press ▲ or ▼ to adjust the key click volume. Then press Left soft key while finish.

5.1.1.2 Alert/Ring

In the Phone Settings menu, press ▲ or ▼ to scroll to Change. Then press Left soft key to select it.

- **Ring Vibration:**
Vibrator can be turned on or off for incoming calls.
- **Ring tone:**
You can select ring tone from "Standard ring", "Ring melody", "Ring recording"
- **Ring test/volume:**
Test the ring. Use ▲ or ▼ for ring volume.

5.1.1.3 Screen/Keys

- **Contrast:**
Press ▲ or ▼ to adjust the contrast
- **Backlight:**
Off / 4 seconds / 7 seconds / 10 seconds / On
- **Key repeat:**
Off / Slow / Medium / Fast
- **Key click:**
Press ▲ or ▼ to adjust the key click volume

5.1.1.4 Language

- Traditional Chinese
- Simplified Chinese
- English

5.1.1.5

Telephone tones

- Default Tone
- North America Tone 1
- North America Tone 2
- Middle Europe Tone

5.1.1.6

Edit greeting

You can input text.

For text entry, the keypad entry mode is shown just below the entry box. Pressing the sharp (#) key will cycle between the entry modes. The entry modes are:

→ ABC

Capital letters and digits using 1-9; punctuation using star (*) key; space or 0 using 0 key. The sharp (#) key switches to Abc mode.

→ Abc

Like ABC except only first letter (or first letter following space) is capitalized, with other letters being lower case. The sharp (#) key switches to abc mode.

→ abc

Like ABC except only lower case letters. The sharp (#) key switches to 123 mode.

→ 123

Keys 1-9 and 0 are digits only. The star (*) key produces certain punctuation characters. The sharp (#) key switches to ABC mode.

5.1.2

Save as

In the Phone Settings menu, press ▲ or ▼ to scroll to Save as. Then press Left soft key to select it. You may save the current phone setting to the storage.

5.1.3

Recall from

Load the phone setting.

5.1.4

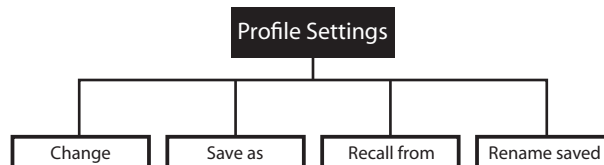
Rename saved

Rename the settings.

5.2

Profile Settings

In the setup menu, press ▲ or ▼ to scroll to Profile Settings. Then press Left soft key to select it.



- Figure 5.4 Profile Settings -

5.2.1

Change

- Enter SSID, then press Right soft key for "Done"
- Select Security Type (Open, WEP/Shared, WPA PSK/TKIP, WPA2 PSK/AES)
- Select Key Method (Hex Key, Passphrase/Text)
- Select WEP key index (Using the same index value as the settings in the Access Point)
- IP Setup
 - **Use DHCP** (IP address, Netmask, Gateway and DNS address will be assigned by AP)
 - **Use Static IP** (manually input data)
 - IP Address
 - Netmask
 - Gateway
 - DNS
- Enter phone number
- SIP server
 - SIP Server Address
 - SIP Server Port : (default: 5060)
- SIP Proxy: If there is no given SIP Proxy, please input SIP Server instead of

Notice: If you input outbound proxy address and port here, STUN server address must set to empty.
- SIP Proxy Address
 - SIP Proxy Port : (default: 5060)
 - SIP Proxy User: username
 - SIP Proxy Password
- STUN server
 - STUN Server Address
 - STUN Server port (default: 3478)
- High Compression : Using G729 (Please ask your SIP service provider before swithcing this function on.)
 - Off : (default)
 - On
- Save Profile Setting (save the date above as a profile)

5.2.2

Save as

You can save the current profile setting to the storage.

5.2.3

Recall from

Load the profile setting.

5.2.4

Rename saved

Rename the settings.

5.2.5

Profile Info

Select the profile to see the information.

5.2.6

Erase settings

Delete the profile.

5.3

Date/Time

- **Auto set**
You can enable or disable the function of synchronizing Wi-Fi SIP Phone's time to SNTP servers.
- **Set time**
Press ▲ or ▼ to adjust the time
- **Set date**
Press ▲ or ▼ to adjust the date

5.4

Remote Access

The Zeus provides the means to drive all of the Zeus menus via a web interface. This can be useful for changes to the database, including phone book and configuration.

- **To use the web interface, you must first enable it.**

Enabling the web interface makes your handset vulnerable to intruders. Do not enable it if you have doubts about the security of your wireless surroundings, and do not enable it for longer than necessary.

- **Next, find your current IP address via Menu → Status**
And scroll down to where your IP address is listed.
- **From your PC web browser, enter the following URL:**
<http://www.xxx.yyy.zzz/menu/menu.html>
where www.xxx.yyy.zzz is the IP address from the Status screen.

6

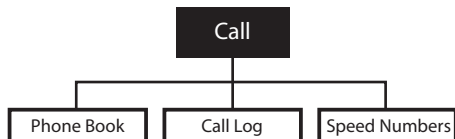
Status

This chapter provides phone information about accessing the Status menu and using its features. In the main menu, press ▲ or ▼ to scroll to Status. Then press Left soft key to select it.

- VoIP status
- IP status
- WLAN status
- Signal strength
- Storage free
- Battery percent life
- Charging information
- Phone number
- MAC address
- Firmware version
- IP Address
- Netmask
- Gateway
- DNS
- SIP server
- Proxy server
- STUN server

7 Call

This chapter provides information about accessing the Call menu and using its features. Figure 7.1 shows the architecture of the Call menu. In the main menu, press ▲ or ▼ to scroll to Call. Then press Left soft key to select it.



- Figure 5.2 Setup -

7.1 Phone Book

Please see section 3.

7.2 Call Log

The call log remembers the last 40 calls received, missed or dialed. Information recorded includes start time; call type (missed, received, or dialed); name of other party (if known); and phone number of other party (if known). The call log may be viewed sequentially. Selecting a call log entry allows calling the phone number, and copying of information to the phone book.

- In the call menu, press ▲ or ▼ to scroll to Call Log. Then press Left soft key to select it.
- In the Call Log Menu, press ▲ or ▼ to scroll to each log. Press Right soft key for "Back". Press Left soft key for "Open". Press Talk key for making a call.

7.3 Speed Numbers

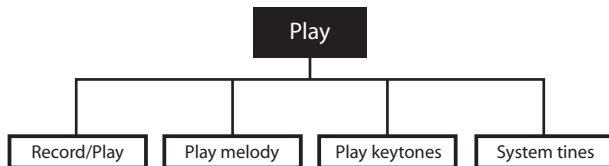
Up to 9 phone book entries may be associated with digit keys 1 through 9 to allow calling of phone numbers with the entry of just a single digit.

How to setup the **speed dialing**

- Enter Phone Book
- Browse and select the name in phone book
- Enter "Phone numbers" setting
- Select "General", "Home", "Cell", "Work" or "Other"
- Enter "Set speed dial" and select the location what you want to save

8 Play

This chapter provides information about accessing the Play menu and using its features. Figure 8.1 shows the architecture of the Play menu. In the main menu, press ▲ or ▼ to scroll to Play. Then press Left soft key to select it.



- Figure 8.1 Play Menu -

8.1 Record/Play

The Wi-Fi SIP Phone supports recording of voice messages. Messages can be recorded and played back both off line and while connected to another party. If connected to another party or parties, the audio from the user and all other parties is recorded when recording, and both the user and other parties will hear any messages played. (This does not apply if the other party is put on hold). While recording a phone conversation, other parties will hear a timed warning tone.

8.2 Play melody

The Wi-Fi SIP Phone includes several built-in melodies that can be selected by the user as ring tones, or played for amusement. The melodies are in midi format and can play basic midi instruments.

8.3 Play keytones

This will play keytones. Press Right soft key for Back.

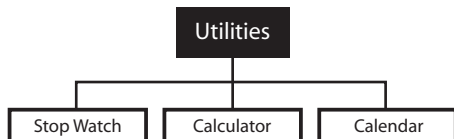
8.4 System tones

This will play System tones. Press Left soft key for next.

9 Utilities

This chapter provides information about accessing the Utilities menu and using its features. Figure 9.1 shows the architecture of the Utilities menu.

In the main menu, press ▲ or ▼ to scroll to **Utilities**. Then press Left soft key to select it.



- Figure 9.1 Utilities Menu -

The Wi-Fi SIP Phone displays the time of day and date on the main display and saves this information in the call log. You can use the phone as a stop watch; view monthly calendars; and use a simple arithmetical calculator.

10 Troubleshooting

Symptom	Solution
Cannot make call	Confirm the called party phone number. The called party phone number must be registered.
The network connection is lost	Ensure the following settings are the same as the Access Point. (1.)The SSID is the same as the Access Point SSID (2.)The WLAN Settings are the same as the Access Point (3.)WEP used:Encoding is the same as the settings at the Access Point. (4.)WPA used:Using the same PSK as the Access Point
No Power	Insufficient power in battery. Please charge the battery.
Recharging does not work	Please replace the battery.
Does not function	Power on or power off
VoIP not ready	Make sure the DHCP has been enabled or whether the phone has the IP address: DHCP enabled: (1.)able to get IP address, subnet mask and default gateway? (2.)Is the DHCP server function enabled at the Access Point? DHCP disabled: (1.)Are the IP address, subnet mask, default gateway values set correctly? (2.)Is the DHCP server function disabled at the Access Point?

- Table 1.2: Specification -

WARNING

Note: This equipment has been tested and found to comply with the limits for a

Class B device, pursuant to Part 15 of 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.

Notice:

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

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.