User Guide
of
Wi-Fi Phone CP300A

Giant Electronics Limited

Revision	Update History	Updated on
0.1	First Draft	15 Aug, 2006
0.2	Add EN instruction to Safety Information	19 Sep, 2006
0.3	Add FCC statement	5 Oct, 2006
0.4	Update on EN instruction to Safety Information	23 Oct, 2006
0.5	Update battery type	24 Oct, 2006
0.6	Update of b&g support	1 May, 2007

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1. SAFETY and IMPORTANT INFORMATION

NOTE:

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.

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 needed.
- Consult the dealer or an experienced radio/TV technician for help.

Warning:

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

1. Plug the adaptor to the socket-outlet that near the equipment and shall be easily accessible.
2. **CAUTION**

   Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. Use only with **Giant Electronics Ltd**., type no. **li-ion CP300-MB** rechargeable battery.

2. WELCOME

Thank you for choosing the CP300A IP Phone. It will allow you to make phone calls using your broadband connection, whether you're at home or in your office.

CP300A can connect to your wireless router or access point to receive telephone service through your cable or DSL Internet connection.

Note: For information about your Internet phone service, refer to the materials provided by your Internet phone service provider.

3. GETTING STARTED

3.1 Conventions Used in this User Guide

3.2 Package Content

Please check the package contents by comparing them with the following list.

- 1 x Model CP300A
- 1 x Rechargeable battery
- 1 x Charging Cradle
- 1 x adapter

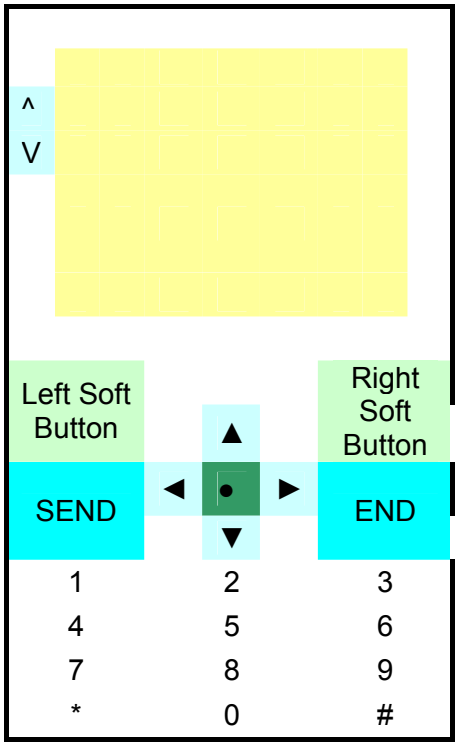
3.3 Product Features

- 1.4” CSTN Color Display (Resolution: 128x 128)
- SIP based voice over IEEE 802.11b/g Wi-Fi technology
- Data Rate : 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2 and 1 Mbps
- Channel: Support 1-14, subject to country regulation
- G.711A-u and G.729 a/b voice codec
- Extended call features like call waiting, call transfer and call forward
- DHCP and static IP address configuration
- WEP 64/128, WPA encryption
- Speaker Phone and phone jack
- Support for multiple access point profiles and Wi-Fi roaming
- Firmware upgrade over the air (through HTTP server)
- Operation Mode: Infrastructure mode, Adhoc mode
- Call features: Proxy numeric call, Direct IP call, Speed dial, Redial, Mute, Call hold, Call waiting, Call transfer, Call forward, Call log, Caller ID
- 100 Phone book entries
- Time: Real time clock, DST, NTP(Network Time Protocol)
- Alert: Ring tone, Vibration
- Languages: Multiple European languages
- Setting tools: Embedded web server for configuration thru PC, and configuration menu
- Compact design (105 x 42 x 18.5mm)
- Lithium ion battery
- Internal antenna & vibrator alert
- 100 phone book entries

- 2 way charging (Direct pug with adapter or charging through cradle)

3.4 Phone Description

Front Panel



Left Soft Button:	Menu, Select, Yes, Add contact, Save, Replace, Abort, Unlock, More
Right Soft Button:	Cancel, No, Hold, Unhold, Phonebook, Clear
Send:	Answer call, Dial a call
End:	End call, reject call, power off, power on
1,2,3,4,5,6,7,8,9,0,*,#:	Numeric Keys

^:	Speaker, handsfree, handset volume up
V:	Speaker, handsfree, handset volume down
●:	Function same as left soft button

Side Panel - TBC

Back Panel - TBC

Bottom Panel - TBC

3.5 Display Description

Please refer to the table below for a list of icons that appear on the home screen and their meanings.

	Signal Strength: Indicates the signal strength of the access point you're IP Phone is connected to.
	Mute icon
	Vibration is on.
	Key lock icon
	Call forward icon
	Battery Level: Indicates the amount of battery power you have remaining.
	Left-Soft-Key: Enter to **MENU**
	Right-Soft-Key: Enter to **PhoneBook**
SSID	Display name of current **SSID**

3.5 Insert and Charge the Battery

Install and Charge the Battery Pack:

1 Open the battery compartment by sliding the cover down.
2 Plug the Rechargeable Battery into the Handset socket
3 Slide the battery cover back into place.

4 Plug the power cord into the corresponding jack on the bottom of the handset or place the handset in the charging cradle properly.
5 Connect the power supply to a live outlet.
6 Leave the Handset for 15 hours so that the battery pack is fully charged.
7 The battery icon will flash during charging. While the battery is fully charged, it stops flashing.

4. BASIC OPERATION

4.1 Switch the Phone On/Off

Press and hold the [END] key for 2 seconds to turn the Phone on or off. The phone will display the power on / off graphic.

4.2 Setting Up the Phone (Run Easy Setup)

NOTE: Before you begin, make sure you have an active Internet connection and the account information provided by your Internet phone service provider.

1. Press and hold the [Power key] for 2 seconds to turn on the Phone.
2. Press [Left-Soft-key] to enter **MENU**.
3. Scroll to **Admin Conf,** and then press the [Left-Soft-key] to enter.
4. Input the **Admin Password.** Default Admin Password is 1111. You can press **[*] key** to change the input method.
5. When you are finished entering a password, press [Left-Soft-key] to confirm.
6. Scroll to **Others,** then press [Left-Soft-key] to enter.
7. Scroll to **Easy Setup,** then press [Left-Soft-key] to enter.
8. Select your desired SSID or input the SSID name manually, then press [Left-Soft-key] to confirm.
9. Select the **Encryption Mode** (None, WEP or WPA Personal)
10. Select **WEP Bits** (64 or 128). If you select None or WPA in step 9, just press [Left-Soft-key] to jump to next step.
11. Input the **WEP Key**. If you select None or WPA in step 9, just press [Left-Soft-key] to jump to next step.
12. Input the **Passphrase** of WPA. If you select None or WEP in step 9, just press [Left-Soft-key] to jump to next step.
13. Input the **Username** of your Internet phone service provider's account.
14. Input the **Password** of your Internet phone service provider's account.
15. Input your **Display Name** of your Internet phone service provider's account.
16. Input the **Domain** of your Internet phone service provider's account.
17. Input the **Registrar** of your Internet phone service provider's account.

18. Input the **Registrar port** of your Internet phone service provider's account.
19. Input the **OB proxy** (Outbound Proxy) of your Internet phone service provider's account.
20. Input the **OB proxy** (Outbound Proxy) of your Internet phone service provider's account.
21. Input the **OB proxy port** of your Internet phone service provider's account.
22. Easy setup finished.

4.3 Make a call

NOTE: Before making or receiving calls, the phone must be associated with wireless Access Point (AP) and registered to your Internet phone account provided by your Internet phone service provider.

1. In home screen, key in the phone number. Press [Right-Soft-key] to clear input.
2. Press [SEND] key to call the number.
3. To end the call, press the [END] key.

4.4 Speed Dial

If you have assigned a phone number to one of speed dial key 1 to 9, you can make a quick call to that number.

1. In home screen, press and hold the corresponding speed dial key to automatically dial the assigned phone number.
2. For details of speed dial settings, refer to **PHONE MENU.**

4.5 Answer a Call or Reject a Call

When there is an incoming call, you may press [SEND] key to answer the call or press [END] key to reject a call.

4.6 Mute/Unmute

- While on a call, press [Left-Soft-Key] to open **More**. Select **Mute**.
- After mute the call, press [Left-Soft-Key] to open **More**. Select **Unmute** to turn off the mute function.

4.7 Speaker on/off

- While on a call, press [Left-Soft-Key] to open **More**. Select **Speaker on**.

- After mute the call, press [Left-Soft-Key] to open **More**. Select **Speaker off** to turn off the speaker function.

4.8 Dial a New Call

There are 2 ways to dial a new call while on a call.

Dial a New Call from [Left-Soft-Key]

1. While on a call, if you need to connect to a third party, press the [Left-Soft-Key] to open **More.**
2. Select **Dial new call** and input the new phone number of third party.
3. Press [SEND] key to dial the new phone number,
4. When the connection succeeds, you can start the call with the third party. The original call will be placed on hold.

Dial a New Call from [Right-Soft-Key]

1. While on a call, if you need to connect to a third party, press the [Right-Soft-Key] to activate **Hold** function**.** You can press the [Right-Soft-key] again to **unhold.**
2. After holding a call, press [Left-Soft-Key] to open **More.**
3. Select **Dial new call** and input the new phone number of third party.
4. Press [SEND] key to dial the new phone number.
5. When the connection succeeds, you can start the call with the third party. The third party call becomes an active call. The active call icon is turned on. The original call will be placed on hold. The call hold icon is turned on.

4.9 Call Hold/Call Transfer/Call Swap

While holding two calls, you can transfer the call to third party or swap the calls.

Call Transfer

1. While holding two calls, press [Up] or [Down] key to select the active call (the call with active call icon), then press [Left-Soft-Key] to open **More**.
2. Select **Call transfer.**
3. The call placed on hold would be transferred to the active call.
4. The phone returns to home screen.

Call Swap

1. While holding two calls, press [Up] or [Down] key to select the active call (the call with active call icon), then press [Left-Soft-Key] to open **More**.
2. Select **Swap.**
3. The call originally placed on hold would be swapped to be active call and the active call would be swapped to be placed on hold.

Note: You can also active swap function by selecting the call placed on hold.

4.10 Redial

1. In home screen, press [SEND] key to enter **Dialed Calls.** The dialed numbers are shown.
2. Press [SEND] key to dial the number.

4.11 Adjusting Earpiece / Speaker / Hands free Volume

- While on a call, press [Volume up] or [Volume down] key to adjusting the volume of earpiece.
- If speaker is turned on, press [Volume up] or [Volume down] key to adjusting the volume of speaker.
- If earphone (optional accessories) is being used, press [Volume up] or [Volume down] key to adjusting the volume of hands free.

5. PHONE MENU

You can refer to the Menu Structure in below.

1. In home screen, press [Left-Soft-key] to enter **Menu.**
2. Press [Left-Soft-Key] to select or press [Right-Soft-Key] to cancel.

5.1 Phone Book

1. Phone Book
   - View Contact
     - Press [Left-Soft-Key]
       - Add contact
       - Edit contact
       - Del contact
       - Call contact

5.2 Call History

- 2. Call History
  - Missed Calls
    - Saved as new
    - Add to contact
    - View Details
    - Remove
    - Remove All
  - Received Calls
    - Saved as new
    - Add to contact
    - View Details
    - Remove
    - Remove All
  - Dialed Calls
    - Saved as new
    - Add to contact
    - View Details
    - Remove
    - Remove All

5.3 Call Features

- 3. Call Features
  - Call Forward
    - All Calls
      - Forward Add.
      - Enable
        - Yes
        - No
    - On busy
      - Forward Add.
      - Enable
        - Yes
        - No
    - On No-Answer
      - Forward Add.
      - Timeout
        - 5 seconds
        - 10 seconds
        - 15 seconds
      - Enable
        - Yes
        - No
  - Speed Dial
    - 1 to 9
  - Call Waiting
    - Duration
      - 5 seconds
      - 10 seconds
      - 15 seconds
    - Enable

5.3.1 Call Forward

User can set their preference according to 5.3 chart (to enable/disable, forward situation and time out duration, etc.)

5.3.2 Speed Dial

The Speed Dial menu allows you to assign up to nine phone numbers you frequently call to the number keys on the phone. Follow the steps below to assign a contact to your Speed Dial list.

1. If necessary, press [Left-Soft-key] in home screen to enter MENU (Call Features (Speed Dial.
2. Highlight the number your would like to assign a contact's phone number to. If you already have a contact assigned to the speed dial location, you see the phone number next to speed dial number.
3. Press [Left-Soft-Key] to select.
4. Enter a phone number, then press [Left-Soft-Key] to save.
5. Press the [END] key to return to the home screen.

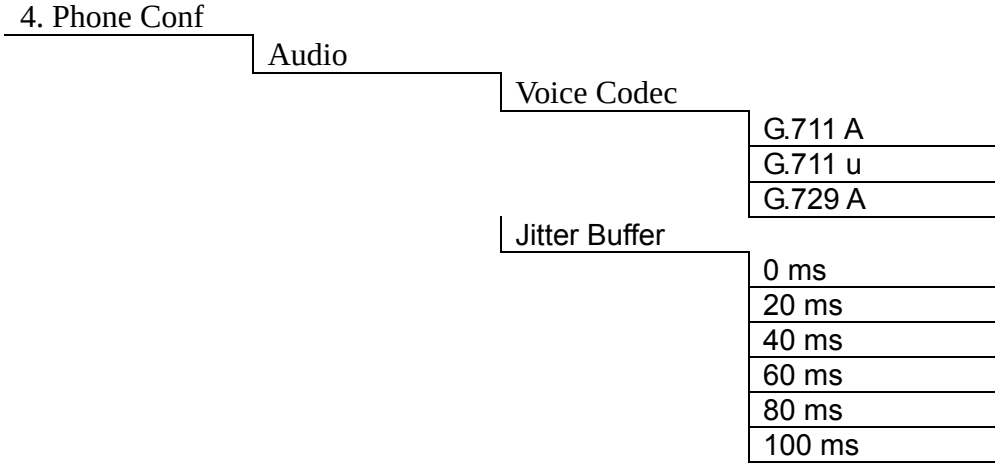
5.3.3 Call Waiting

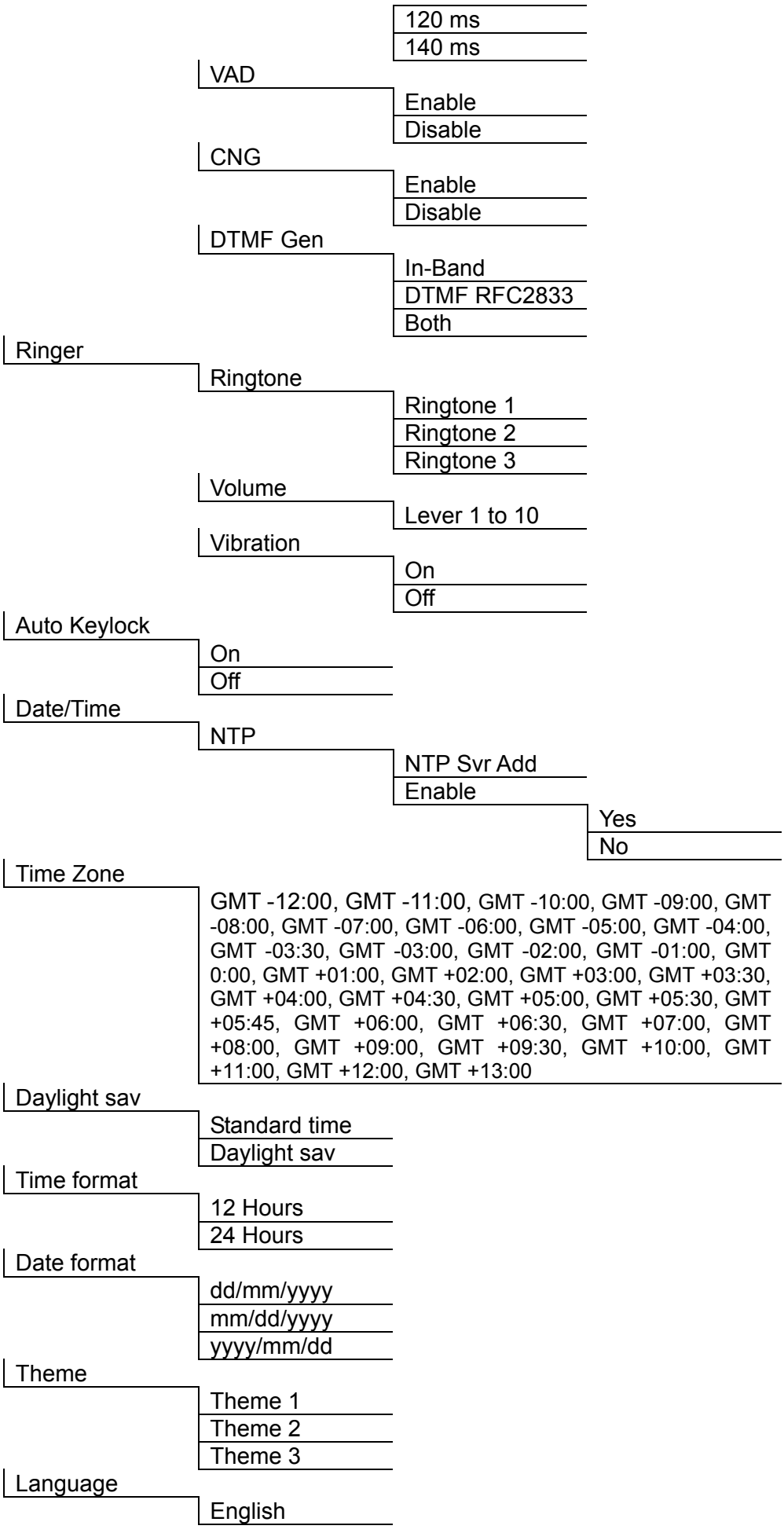
User can set their preference according to 5.3 chart (to enable/disable, call waiting duration.)

5.3.2 Direct IP Call

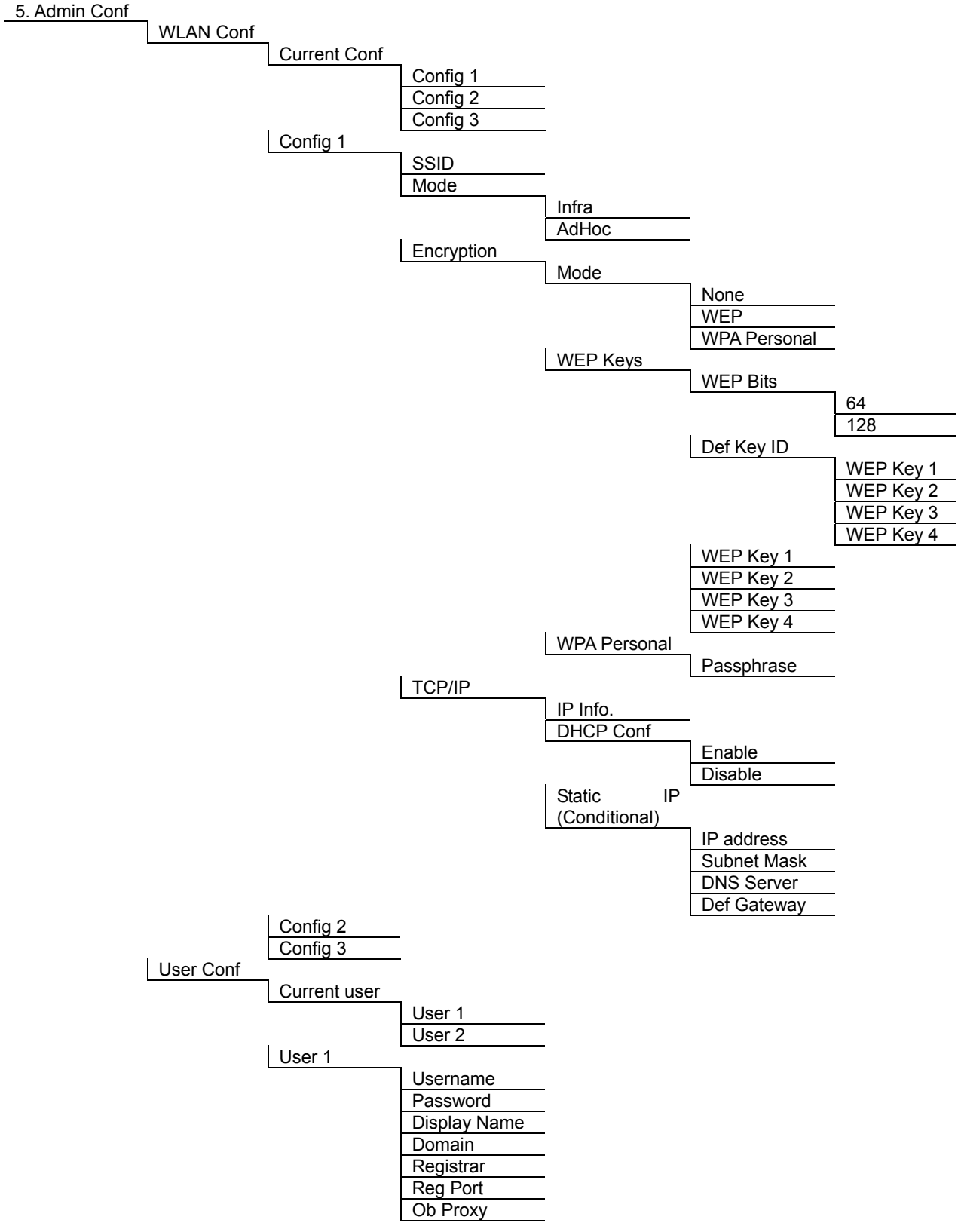
User can refer to the 5.3 chart to enter the direct IP menu to place an IP call. For example, to dial IP address 123.456.789.123, the key pressing shall be [123*456*789*123], then press [SEND] key.

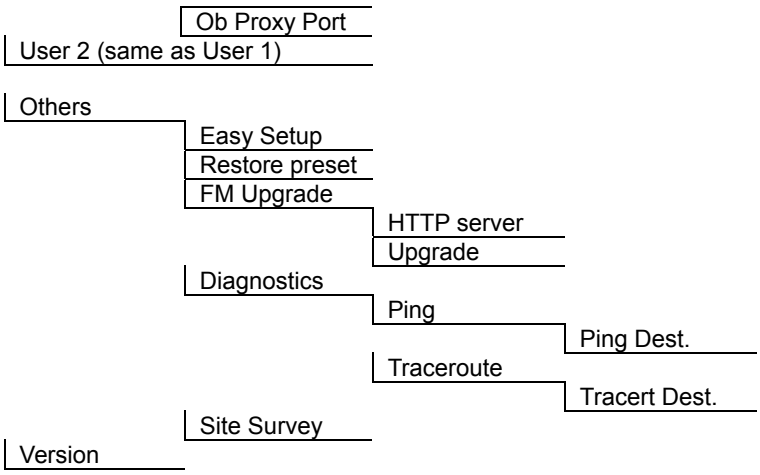
5.4 Phone Configuration




120 ms
140 ms
VAD
Enable
Disable
CNG
Enable
Disable
DTMF Gen
In-Band
DTMF RFC2833
Both
Ringer
Ringtone
Ringtone 1
Ringtone 2
Ringtone 3
Volume
Lever 1 to 10
Vibration
On
Off
Auto Keylock
On
Off
Date/Time
NTP
NTP Svr Add
Enable
Yes
No
Time Zone
GMT -12:00, GMT -11:00, GMT -10:00, GMT -09:00, GMT -08:00, GMT -07:00, GMT -06:00, GMT -05:00, GMT -04:00, GMT -03:30, GMT -03:00, GMT -02:00, GMT -01:00, GMT 0:00, GMT +01:00, GMT +02:00, GMT +03:00, GMT +03:30, GMT +04:00, GMT +04:30, GMT +05:00, GMT +05:30, GMT +05:45, GMT +06:00, GMT +06:30, GMT +07:00, GMT +08:00, GMT +09:00, GMT +09:30, GMT +10:00, GMT +11:00, GMT +12:00, GMT +13:00
Daylight sav
Standard time
Daylight sav
Time format
12 Hours
24 Hours
Date format
dd/mm/yyyy
mm/dd/yyyy
yyyy/mm/dd
Theme
Theme 1
Theme 2
Theme 3
Language
English

5.5 Admin. Configuration




Ob Proxy Port
User 2 (same as User 1)
Others
Easy Setup
Restore preset
FM Upgrade
HTTP server
Upgrade
Diagnostics
Ping
Ping Dest.
Traceroute
Tracert Dest.
Site Survey
Version