



Signamax™ Connectivity Systems

VoIP IP Phone

Model:065-9013

User's Manual

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1. TECHNICAL PARAMETERS INTRODUCTION

1.1 Contents

1.1.1 Standard:

Telephone base unit

Handset

Handset cord

Power adaptor

User's manual

1.1.2 Optional:

RJ-45 Ethernet cable

Headset

CD

1.2 Support Protocol

SIP: RFC3261

DTMF: inband, RFC2833, SIP Info

RTP: RFC1889

RTCP: RFC3605, RFC3611

DNS: RFC1035

FTP: RFC959

TFTP: RFC1350

HTTP: RFC1945, RFC2616

SNTP: RFC1361, RFC2030

SNMP: RFC1157

STUN: RFC3489

DHCP: RFC2131, RFC2132

PPPoE: RFC2516

NAT: RFC1631, RFC2663

1.3 Support Codec

G.711a

G.711 μ

G.722*

G.723.1 5.3/6.3

G.729AB

1.4 Hardware Parameters

1.4.1 Standard:

CPU: Infineon PSB21553

Data Memory: 8MB SDRAM

Software Memory: 2MB Flash memory

Ethernet Port: 2 RJ-45 plugs, IEEE802.3 10/100 Base-T

Power Adaptor: Input 110-250V, Output 5V DC, 1A

Keypad: 36keys

LCD: 4x20 char-based, white backlight

LED: 2 Leds

1.4.2 Optional:

Data Memory: 16MB/32MB SDRAM

Software Memory: 4MB/8MB Flash memory

PoE: 802.3af

LCD: 128x64 Pixel-base with blue/white backlight

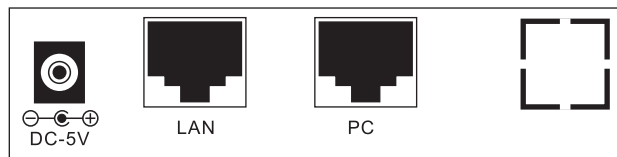
Headset Port: RJ-7 or 3.5mm plug set

1.5 Environment

Operating Temperature: 0°C to 50°C (32°F to 122°F)

Storage Temperature: -10°C to 60°C (14°F to 140°F)

Relative Humidity: 10% to 90%, non-condensing



2.2 Description

NO.	TITLE	DEFINITION	NOTE
1	OK	Soft key for the guiding text shown on the bottom-left of the screen: "OK", "Select", "Erase" or "YES" ✓ Enter the menu ✓ Confirm the changes made ✓ Start a 3-way conference call	
2	CANCEL	Soft key for the guiding text shown on the bottom-left of the screen: "Cancel", "Back", "Exit" or "NO" ✓ Quit the menu ✓ Cancel the changes made ✓ Delete input digit/character	
3	◀	✓ Move the pointer to the option above ✓ When editing, move the cursor to the left	
	▶	✓ Move the pointer to the option below ✓ When editing, move the cursor to the right	
4	MIC + -	✓ When pick up the handset, adjust the handset volume	
	VOL + -	✓ When press hands free, adjust the speaker volume	
5	HANDSFREE	✓ Enable handsfree mode and seize the line ✓ Receive a call ✓ Dial out when selecting a phonebook entry	

6	REDIAL	<ul style="list-style-type: none"> ✓ Dial out the last called number in talk/speakerphone mode ✓ Switch the input mode between the number and the character when editing ✓ Enter the list of number dialed 	
7	HOLD	<ul style="list-style-type: none"> ✓ During the call, put a call on hold ✓ Press and hold to enter the upgrade firmware menu ✓ Check the phone's IP in idle mode 	
8	TRANSFER	<ul style="list-style-type: none"> ✓ Transfer the call during a call 	
9	FORWARD	<ul style="list-style-type: none"> ✓ Enter call forward setting menu 	
10	DND	<ul style="list-style-type: none"> ✓ Enable Do Not Disturb function 	
11	LINE1	<ul style="list-style-type: none"> ✓ Receive the new call during the call ✓ Make a new call during the call ✓ Switch between different conversations 	
	LINE2		
	LINE3		
12	CONF	<ul style="list-style-type: none"> ✓ Diagnose network status when in idle mode ✓ Establish platform supported conference call 	
13	PHONEBOOK	<ul style="list-style-type: none"> ✓ Add/search/edit/erase the phonebook entries 	
14	CALL LOG	<ul style="list-style-type: none"> ✓ Check/edit/erase/empty the received, called and missed entries 	
15	MESSAGE	<ul style="list-style-type: none"> ✓ Access platform's voice mail 	

16	RECORD	<ul style="list-style-type: none"> ✓ Record call during conversation ✓ Play and Access the recorded messages 	
17	SPEED DIAL	<ul style="list-style-type: none"> ✓ Configure speed dial numbers ✓ Press the location number and 【SPEED DIAL】 to dial out 	
18	MUTE	<ul style="list-style-type: none"> ✓ Turn off the volume of the microphone during the call or ringing 	
19	1 . @ , : % ! ? < > () & ' "	<ul style="list-style-type: none"> ✓ CCITT keys, while entering words, press number key successively until the desired character appears. ✓ Press [#] after telephone number entered to ensure to dial out the number 	
	a b c A B C 2		
	d e f D E F 3		
	g h I G H I 4		
	j k l J K L 5		
	m n o M N O 6		
	p q r s P Q R S 7		
	t u v T U V 8		
	w x y z W X Y Z 9		
	(blank) 0		
* / + - =			
#			
20	LINK LED	<ul style="list-style-type: none"> ✓ Turn on if service is not available 	
	MESSAGE LED	<ul style="list-style-type: none"> ✓ Turn on when there is new voice mail 	
21	LAN	<ul style="list-style-type: none"> ✓ RJ-45 connector for connecting to LAN or WAN 	
22	PC	<ul style="list-style-type: none"> ✓ RJ-45 connector for connecting to PC 	
23	DC-5V	<ul style="list-style-type: none"> ✓ Interface of power supply 	

3. PHONE CONFIGURATION

NOTE:

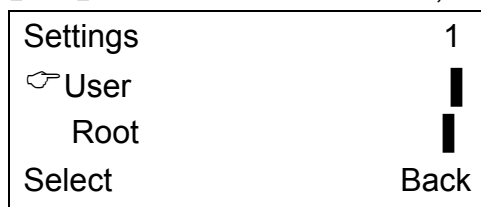
1. It will take 15 seconds to start up because of network initialization. Please wait and DO NOT cut off power.
2. DO NOT cut off power during upgrading. Maybe it will lead to fatal error.
3. The default user name and password of the phone and web configuration are user/000000 and root/111111. Please DO remember your password if you have it changed.

3.1 Network Configuration

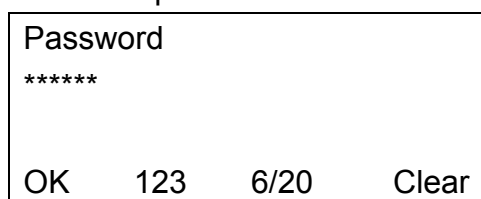
- If the network administrator assigns your phone a static IP or the DHCP function has been disabled (generally enterprise users having LAN network use this mode), please refer to Static Mode.
- If the network administrator has enabled the DHCP function, and the phone get IP address by DHCP, please refer to DHCP Mode.
- If you connect to the Internet directly by ADSL (most home users and company users without LAN use this mode), please refer to PPPoE Mode.

3.1.1 Select IP Addressing Mode

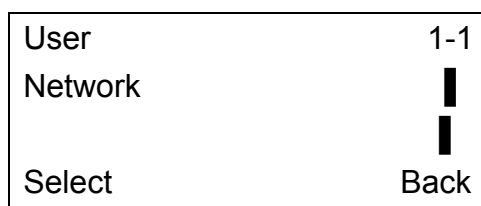
1. In idle mode, Press **【OK】** to enter the main menu, select **【User】** .



2. You are prompted to enter the password.



3. Select **【Network】** , And the current setting is displayed. The example below is in Static Mode.



Network	1-1-1
External mode	█
	STATIC █
Select	Back

4. Enter the【External Mode】 menu. Select a correct IP addressing mode: Static, DHCP or PPPoE.

	1-1-1-1
☞ STATIC	█
DHCP	█
Select	Back

3.1.2 Configure Network Parameters

◇ STATIC Mode

Select 【STATIC】 mode, enter the network parameters by the telephone keypad.

1. Enter the IP address. It is default separated into 4 parts; each part consists of 3 digits. For example: 192.168.1.58 can be entered as in sequence as “1921681【RIGHT】58” or “1921681*58”.

Ext ip address	
192.168.1.58	
OK	Back

2. Enter the gateway address.

Ext gw address	
192.168.1.4	
OK	Back

3. Enter the subnet mask address.

Ext subnet mask	
255.255.255.0	
OK	Back

4. Enter the DNS address. You can input 3 DNS servers, it is no need to input all 3 DNS entries.

Ext dns1	
192.168.1.4	
OK	Back

◇ DHCP Mode

1. Select【DHCP】mode and return, there is no need to input any other parameter.

Network	1-1-1
External mode	<input type="checkbox"/>
	DHCP <input checked="" type="checkbox"/>
Select	Back

◇ PPPoE mode

1. Select 【PPPoE】 mode.

Network	1-1-1
External mode	<input type="checkbox"/>
	PPPoE <input checked="" type="checkbox"/>
Select	Back

2. Enter the PPPoE user ID provided by the service provider. The username for example below is “user”.

PPPoE user ID			
User			
OK	abc	4/40	Back

3. Enter the password.

Password			

OK	abc	6/40	Clear

4. Return and reboot the phone, The LCD will be displaying “ PPPoE connecting...” until registration succeeds. If not, the phone will prompt to reconnect again.

PPPoE connecting

If fail, please check your configuration or contact your ADSL service provider.

Retry?	
Yes	No

3.1.3 Review Network Parameters

Enter **【External NIC】** menu or press **【HOLD】** in idle mode, then use **【◀】** and **【▶】** to review all the parameters.

3.2 User Account Configuration

1. In idle mode, press **【OK】** to enter the main menu and select **【Root】** menu. And enter the root password.

Settings	2
User	█
☞ Root	█
Select	Back

Password:			

OK	123	6/20	Back

2. Enter **【Line1 Settings】** menu, select **【Line1】** menu.

Root	2-1
Line1 Settings	█
	█
Select	Back

Line1 Settings	2-1-1
Line1	█
☞ Crypto1	█
Select	Back

3. Enter the proxy server edit mode, then input the proxy server address.

Line1	2-1-1-1
Proxy Server	█
	xxx.xxx.xxx █
Select	Back

Proxy Server			
xxx.xxx.xxx			
OK	abc	11/40	Clear

4. Enter the proxy server port.

Line1	2-1-1-2
Proxy Port	xxxx
Select	Back

Proxy Port	xxxx		
OK	123	4/6	Clear

5. Enter the username provided by service provider.

Line1	2-1-1-3
UserName	123456
Select	Back

UserName	123456		
OK	123	6/40	Clear

6. Enter the auth name (This parameter maybe is the same as username, or you can leave it blank).

Line1	2-1-1-4
Auth Name	
Select	Back

Auth Name	123456		
OK	abc	6/40	Clear

7. Enter the password.

Line1	2-1-1-5
Password	*****
Select	Back

Password			

OK	123	6/40	Clear

8. Enter the realm address.

Line1	2-1-1-6
Realm	xxx.xxx.xxx
Select	Back

Realm			
xxx.xxx.xxx			
OK	abc	11/40	Clear

9. If you need to setup parameters for register interval, heartbeat interval, options interval or DTMF mode and so on, configure them in a similar way.

10. Return the menu to one level up, select **【Crypto1】** menu, input the encrypt server address.

Line1 Settings	2-1-2
Line1	
☞ Crypto1	
Select	Back

Crypto1	2-1-2-1
Encrypt server ip	xxx.xxx.xxx
Select	Back

Encrypt server ip			
xxx.xxx.xxx			
OK	abc	11/49	Clear

11. Enter the encrypt server port.

Crypto1	2-1-2-2
Encrypt server port	55060
Select	Back

Encrypt server port	55060
OK 123 5/6	Clear

12. Enter the encrypt depth, 128 or 256.

Crypto1	2-1-2-3
Sip Encrypt depth	256
Select	Back

Sip Encrypt depth	256
OK 123 3/10	Clear

13. Select the Cryptographic algorithm.

Crypto1	2-1-2-4
SIP crypt	None
Select	Back

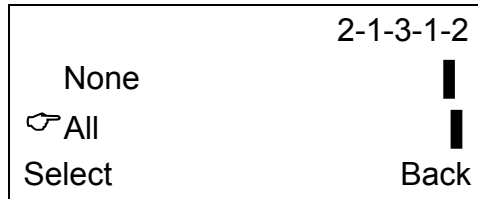
SIP crypt	2-1-2-4-2
None	
<input checked="" type="checkbox"/> AES	
Select	Back

14. Return the menu to one level up, select **【Forward1】** menu to configure forward parameters.

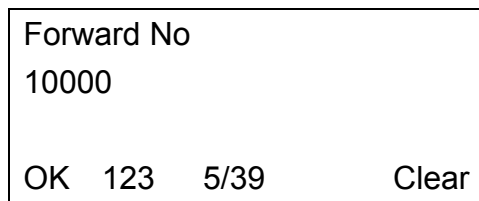
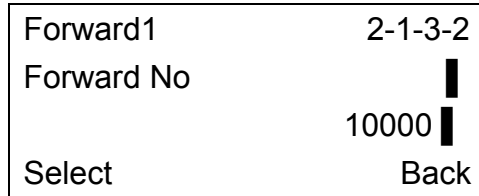
Line1 Settings	2-1-3
Crypto1	
<input checked="" type="checkbox"/> Forward1	
Select	Back

Forward1	2-1-3-1
Forward Type	None
Select	Back

15. Select a forward type from **【None】** , **【All】** , **【Busy】** , **【No Answer】** .

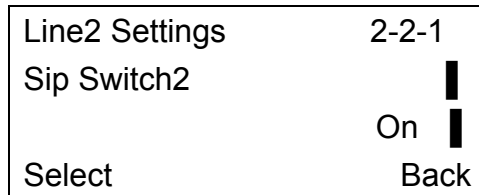


16. Enter the forward number.



You can also press **【FORWARD】** key in idle mode to configure forward parameters, input the password of root, enter Forward menu to set them.

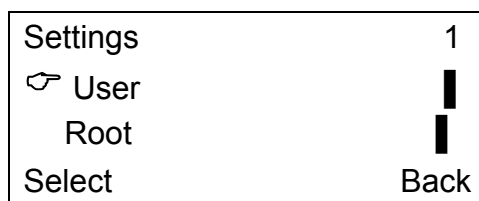
17. If you have more accounts, configure Line2 and Line3 in similar way. Please set the switch of Line2 and/or Line3 to **【on】**, if you want to enable Line2 and/or Line3. If not, please set them to **【off】**.



18. Return to reboot the telephone. If the registration is successful, the “**×**” on the upper left corner of LCD will be disappeared, the link led will be turned off, the telephone is ready for making calls.

3.3 Change Passwords of User and Root

1. In idle mode, press **【OK】** to enter main menu, select **【User】** menu, input the password of User.



2. Select **【User Password】** menu.

User	1-4
User Password	*****
Select	Back

3. Enter the new password then press **【OK】** to save. To change root password in a similar way.

Password:	*****		
OK	123	6/20	Clear

3.4 Configure the Parameters of Upgrade and Upgrade

1. In idle mode, press and hold **【HOLD】** key, input the password of root.

Password	*****		
OK	123	6/20	Back

Update	1
☞ Update config	Update
Select	Back

2. Enter **【Version】** menu to check the software version and date.

Update	3
☞ Version	Update config
Select	Back

3. Enter **【Update config】** menu to configure the parameters of upgrading.

Update	1
☞ Update config	Update
Select	Back

Select	Back
--------	------

If using default setting, the route of upgrade will be directly to our update server, the parameters about such upgrade cannot be changed.

Update config	1-1
Use default	<input checked="" type="checkbox"/>
	Yes <input type="checkbox"/>
Select	Back

If you want to set the route by yourself or set it to another address, please change "Use default" to "No".

Use default	1-1-1
<input type="checkbox"/> No	<input checked="" type="checkbox"/>
Yes	<input type="checkbox"/>
Select	Back

Enter the update server address.

Update config	1-2
FTP Serveraddr	<input type="text"/>
	xxx.xxx.xxx <input type="text"/>
Select	Back

FTP Serveraddr
xxx.xxx.xxx
OK abc 11/30 Clear

Enter the update server port.

Update config	1-3
FTP Port	<input type="text"/>
	21 <input type="text"/>
Select	Back

FTP Port
21
OK 123 2/6 Clear

Enter the path of files.

Update config	1-4
FTP Path	
	/update
Select	Back

FTP Path			
/update			
OK	abc	7/30	Clear

Enter the username of server.

Update config	1-5
FTP User	
	user
Select	Back

FTP User			
user			
OK	abc	4/30	Clear

Enter the password of server.

Update config	1-6
FTP Password	
	password
Select	Back

FTP Password			
password			
OK	abc	8/30	Clear

- 4. Make sure that the parameters are correct, then back to select **【Update】** and press **【OK】** , the phone will connect the update FTP server to check version of program and upgrade.

Update	1
Update config	
↶ Update	
Select	Back

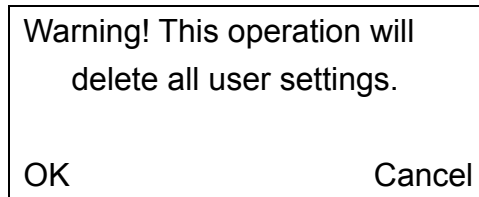
3.5 Factory Settings

NOTE: This operation will erase all parameters and reset them to factory settings, please consult the network administrator first.

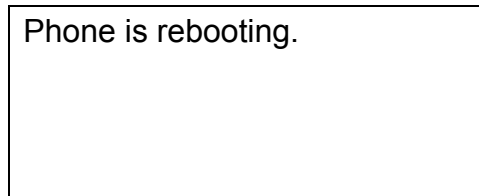
1. Enter **【ROOT】** menu, select **【RESET】** .



2. Press **【OK】** , the phone will display warning message.



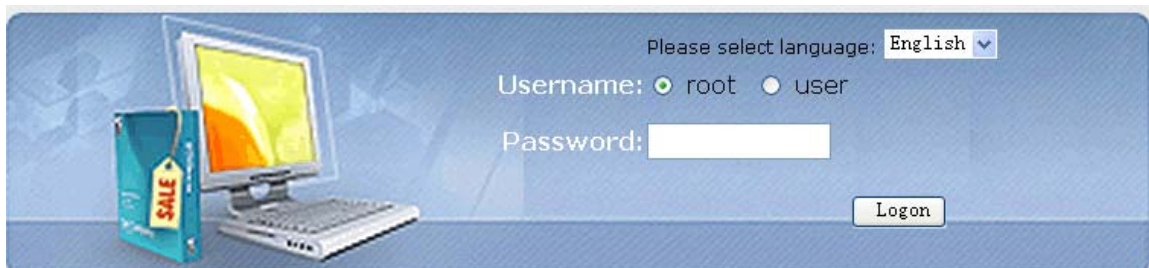
3. Press **【OK】** , the phone will restart automatically.



3.6 Configure by Web Browser

065-9013 IP Phone has a built-in HTTP server for the user to do the configuration via web browser. Editing the parameters on the web, then press “apply” at lower right corner and reboot the phone to make the change activated.

1. Launch IE on a computer. In the address field of IE, enter the IP address of the phone (press **【HOLD】** in idle mode to check the Phone’s IP address), and then select the user name (user or root) and input password to logon.



2. After logon, the page will show the current settings about account and network.

Current Configurations	Current Configurations
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

Account:
 Username:
 Password:

Network Configurations:

LAN Port IP Mode:
 Static DHCP PPPoE

IP Parameters:
 IP Addr.:
 Subnet Mask:
 Gateway:
 DNS1:
 MAC:

ADSL Username:
 ADSL Password:

NAT:
 Off On

- In the Basic Configurations page, parameters about network, time server and time zone can be set.

Current Configurations	Basic Configurations
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

Network Configurations:

LAN Port IP Mode:
 Static DHCP PPPoE

LAN Port IP Parameters:
 IP Addr.:
 Subnet Mask:
 Gateway:
 DNS1:
 DNS2:
 DNS3:

ADSL Username:
 ADSL Password:

PC Port IP Parameters:
 IP Addr.:
 Subnet Mask:

NAT Switch:
 Off On

DHCP Server Switch:
 Off On

SNTP Configurations:
 SNTP Server:
 Time Zone:

Apply

- In the Advanced Configurations page, some common parameters for example: logo, VAD switch, Mic equalizer and Codec can be configured.

Advanced Configurations

Logo:
 Logo-1 :
 Logo-2:

VAD Switch:
 Off On

MIC Equalizer:
 Option :

Codec PRI:
 Primary:
 Secondary:
 Tertiary:
 Quartus:

SNMP Server:

Apply

- Line1 Configurations, Line2 Configurations and Line3 Configurations are used to set parameters of accounts from Line1 to Line3.

Current Configurations Basic Configurations Advanced Configurations Line1 Configurations Line2 Configurations Line3 Configurations Updating Configurations Provision Configurations User Management Factory Reset Rebooting System Logout	Line2 Configurations
<p>Line2 Switch: <input checked="" type="radio"/> Off <input type="radio"/> On</p> <p>Line2 Dial Plan: Sequence: <input type="text"/></p> <p>Line2 Parameters: Username: <input type="text"/> Display Name: <input type="text"/> Auth. Name: <input type="text"/> Password: <input type="text"/> Server Addr.: <input type="text"/> : <input type="text"/> (Port) Realm/Domain: <input type="text"/> Register Interval: <input type="text" value="3600"/> (s)(0 indicates OFF) Heartbeat Interval: <input type="text" value="20"/> (s)(0 indicates OFF) Options Interval: <input type="text" value="0"/> (s)(0 indicates OFF)</p> <p>Line2 DTMF Parameters: DTMF Mode: <input type="text" value="RFC2833"/> Payload: <input type="text" value="101"/></p>	

	Line2 Configurations
<p>Line2 DTMF Parameters: DTMF Mode: <input type="text" value="RFC2833"/> Payload: <input type="text" value="101"/></p> <p>Line2 Crypto Support: Crypto Server Addr.: <input type="text"/> Crypto Server Addr.: <input type="text"/> Cipher Algorithm: <input type="radio"/> Off <input checked="" type="radio"/> AES Cipher Blocksize: <input type="radio"/> 128 <input checked="" type="radio"/> 256</p> <p>Line2 STUN Switch: <input checked="" type="radio"/> Off <input type="radio"/> On</p> <p>Line2 RTCP Switch: <input checked="" type="radio"/> Off <input type="radio"/> On</p> <p>Line1 Forward Parameters: Forward No.: <input type="text" value="10000"/> Forward Type: <input type="text" value="NONE"/></p> <p style="text-align: right;"><input type="button" value="Apply"/></p>	

- In the Updating Configurations page, you can configure the route of updating FTP server.

Current Configurations	Updating Configurations
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

Use Default Server:
 Off Yes

FTP Server Parameters:
 Server Addr.:
 Server Port:
 Directory:
 Username:
 Password:

[Apply](#)

7. In the Provision Configurations page, parameters of provision can be set.

Current Configurations	Provision Configurations
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

Provision Switch:
 Off On

Provision Parameters:
 Server Addr.:
 Server Port:
 Username:
 Password:
 Group:
 Provision Interval: (Days)(0 indicates OFF)

[Apply](#)

8. The User Management page can be used to change the password of user and root.

Current Configurations	User Management
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

User Management

Username:

Password:

Retype Password:

9. In the Factory Reset page, you can reset all settings to factory settings.

Current Configurations	Factory Reset
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

Factory Reset

Factory reset will change all settings to default.
Are you sure?

Yes

10. After all change have been done, click “Rebooting System” ,select “Yes”, then click “Apply” to restart.

	Rebooting System
Current Configurations	<p>The settings will take effect after rebooting the system.</p> <p>Reboot now?</p> <p><input checked="" type="radio"/> YES</p> <p><input type="radio"/> NO</p>
Basic Configurations	
Advanced Configurations	
Line1 Configurations	
Line2 Configurations	
Line3 Configurations	
Updating Configurations	
Provision Configurations	
User Management	
Factory Reset	
Rebooting System	
Logout	

4. PHONE FUNCTIONS OPERATION

4.1 Call Functions

4.1.1 Make a Call

- In idle mode, pick up the handset or press **【HANDFREE】**, or press **【Line1】** **【Line2】** **【Line3】**, dial the telephone number, press **【#】** to make a call. If there is a dial plan, the call number will be limited by the dial plan.

Pick up the handset:

1	Dialing	00:00:00
2	Idle	
3	Idle	

During calling:

1	Calling	00:00:00
	1234567	
2	Idle	
3	Idle	

Dialed number connected:

1	Connected	00:00:04
	1234567	
2	Idle	
3	Idle	

Called party hangs up:

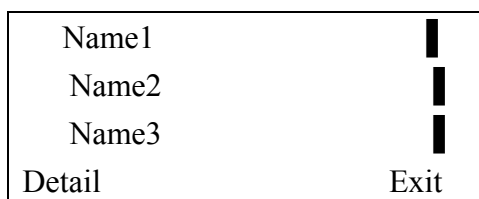
1	Closed	00:00:00
	1234567	
2	Idle	
3	Idle	

Call failed:

1	Fail	00:00:00
	1234567	
2	Idle	
3	Idle	

- Make a call from phonebook (also refer section 4.5 for editing phonebook entry):

In idle mode, press **【◀】** or **【▶】** or use “search” function in phonebook to find the party you want to make a call.



Select the name, press **【OK】** , then select the tel number or mobile number, pick up handset or press **【HANDFREE】** to start the call.

3. Make a call from call log:

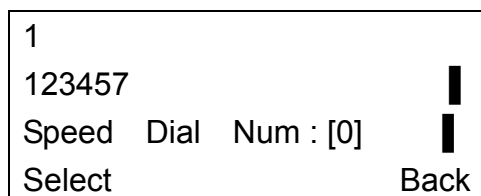
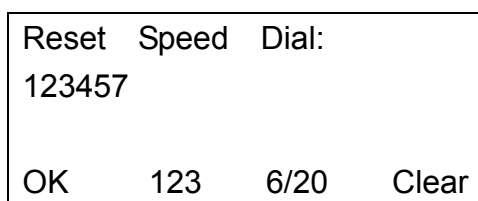
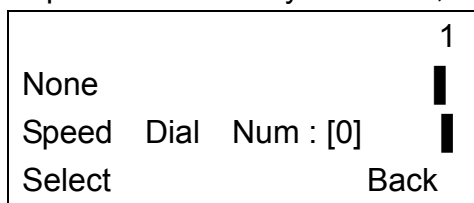
In idle mode, press **【CALL LOG】** to select Missed/Received/Dialed call list and then select the number, then pick up handset or press **【HANDFREE】** to start the call.

4.1.2 Redial

In dialing mode, press **【REDIAL】** to call the last number dialed.

4.1.3 Speed Dial

In idle mode, press **【SPEED DIAL】** to enter speed dial menu, Select an empty item which shows “None” and at the bottom of this item, “Speed Dial Num: [0]” means its speed dial number is 0. Press **【OK】** and input telephone number, then return. There are total 10 speed dial memory locations, from 0 to 9.



1. In idle mode, press the speed dial number, and then press **【SPEED DIAL】**, the phone will dial out the number stored in that memory location.

2. In idle mode, press and hold the speed dial number, the phone will then dial out the number stored in that memory location.

4.1.4 Receiving a Call

When the phone is ringing, the incoming call number will be displayed on the LCD. Pick up the handset or press **【HANDFREE】** to answer the call.

Ringing:

1	Ringing	00:00:00
	1234567	
2	Idle	
3	Idle	

Connected:

1	Connected	00:00:04
	1234567	
2	Idle	
3	Idle	

Calling party hangs up:

1	Closed	00:00:00
	1234567	
2	Idle	
3	Idle	

4.1.5 Call Hold

During a call, press **【HOLD】** to put the call on hold. Press **【HOLD】** again to resume the call.

1	Holding	00:00:00
	1234567	
2	Idle	
3	Idle	

4.1.6 Call Transfer

During a call, press **【TRANSFER】** and enter the phone number to which you want the call to be transferred, then press **【#】** to transfer the call.

NOTE: The usages of TRANSFER may be different according to different VoIP service providers. Please consult your server provider if any problem.

4.1.7 Call Waiting

When new call comes during a call (assume using LINE 1), user will hear a hint tone. If user does nothing, the new call will be ignored. Or user can press

【LINE2】 to receive the new call (assume the new call is from LINE 2), and then the previous call will be held. And then press 【LINE1】 to resume the previous call and the new call becomes to be held.

4.1.8 Call Forward

If call forward function is enabled, the incoming call will be forwarded to the number as per the configuration. Also refer to section 3.2, item 15 for the setup of call forward.

4.1.9 Shared Lines Function

When new call comes or user wants to make a new call during a call, the use can use the Shared Lines function if supported by service provider. While making a new call or the LCD indicating a new call coming, user can press another line key (for a new coming call, press the line as LCD indicated). The original call is put on hold, press the corresponding 【LINE】 to Switch between different conversations.

4.1.10 3-way Conference

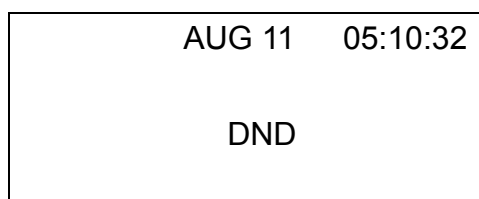
If the user want to make a conference for three persons, first establish call with A, press another 【LINE】 and dial to B, then press 【OK】 to establish the conference call.

4.1.11 Conference Function

This function needs platform support. First establish call with A, then press 【CONF】 and dial to B, press 【CONF】 to have B joined the conference. Repeat the steps to get other people to join the conference call. Finally press 【CONF】 once more to make yourself join the conference call.

4.1.12 Do Not Disturb (DND)

In idle mode, press 【DND】 and the unit will be in Do Not Disturb mode. Press the key again, it will disable the function. In DND mode the phone will not ring. (The information received by the call will depend on the platform).



4.1.13 Mute

During talk mode, press 【MUTE】 to turn off the microphone. Press 【MUTE】 again

to deactivate the function. When the phone is ringing, press **【MUTE】**, the ring will be shut off.

4.2 Time Setting

- In idle mode, enter User setting menu. Select the option **【Clock】**. Set the date by entering year, month and day.

User	1-3
Clock	█
Select	Back

Clock	1-3-1
Date	█
	Fri 2006-08-04 █
Select	Back

Current date:	
2006-08-04	
OK	Back

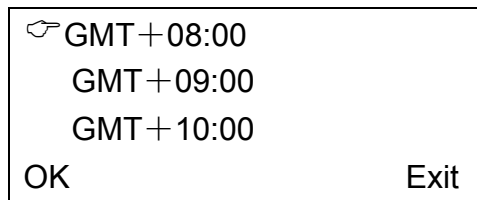
- Select **【Time】**. Set the time by entering hour, minute and second.

Clock	1-3-2
Time	█
	15:36:18 █
Select	Back

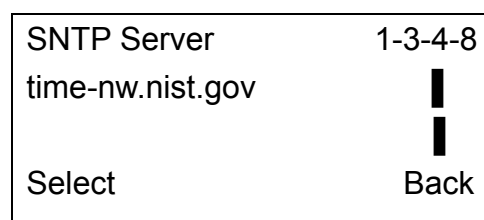
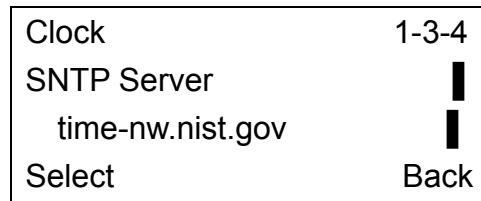
Current time:	
15:36:18	
OK	Back

- Select **【GMT offset】**. The default is “+08:00” meaning Eastern District 8.

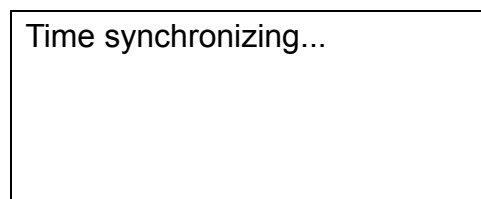
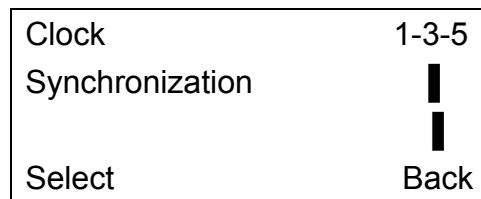
Clock	1-3-3
GMT Offset	█
	+08:00 █
Select	Back



- To get the time from network time server, select **【SNTP Server】** . The phone has 9 time network servers. Select the desired server.

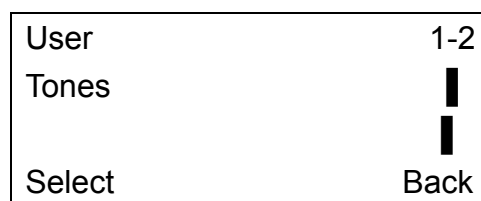


- Select **【Synchronization】** . The phone will start synchronizing with the network time server.



4.3 Ring, Volume and Sidetone

- In idle mode, enter the User menu and select **【Tones】** . Press **【OK】** again to enter Ringing tone menu. Select the ringer type (type 1 to type 5) for incoming call.



Tones	1-2-1
Ringing tone	<input type="checkbox"/>
	Type 2 <input type="checkbox"/>
Select	Back

Ringing tone	1-2-1-2
<input type="checkbox"/> Type1	<input type="checkbox"/>
Type2	<input type="checkbox"/>
Select	Back

2. Select **【Ringing volume】** . User can select the volume level (from level 1 to level 5).

Tones	1-2-2
Ringing volume	<input type="checkbox"/>
	Level 2 <input type="checkbox"/>
Select	Back

	1-2-2-1
<input type="checkbox"/> Level1	<input type="checkbox"/>
Level2	<input type="checkbox"/>
Select	Back

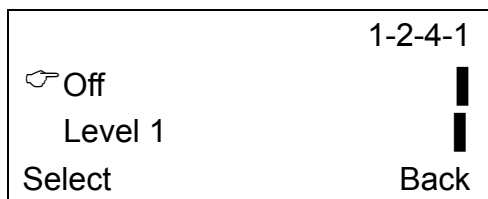
3. Incoming call alert.

Tones	1-2-3
Incoming call alert	<input type="checkbox"/>
	Ringing <input type="checkbox"/>
Select	Back

	1-2-3-1
<input type="checkbox"/> Ringing	<input type="checkbox"/>
Off	<input type="checkbox"/>
Select	Back

4. Adjust sidetone (level 1-10, and off)

Tones	1-2-4
Sidetone Volume	<input type="checkbox"/>
	Off <input type="checkbox"/>
Select	Back



4.4 SpeVolume of Call Adjusting

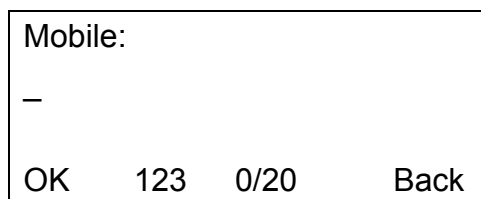
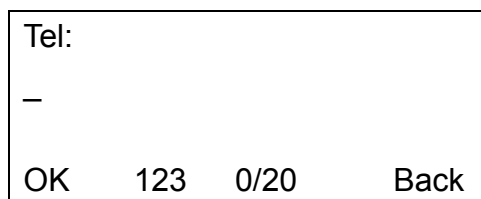
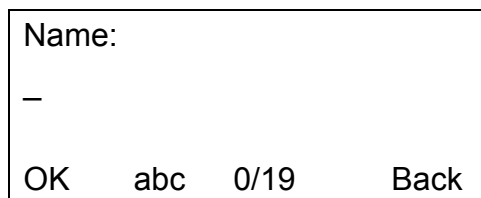
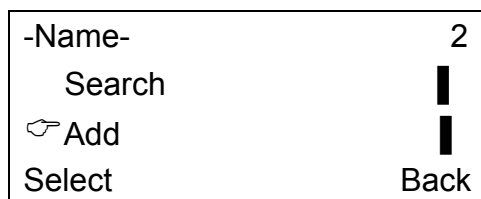
In dialing mode or during a call, press **【MIC】** to adjust the microphone volume. Press **【VOL】** to adjust the volume of receiver (in handset mode) or speaker (in speakerphone mode).

4.5 Phonebook

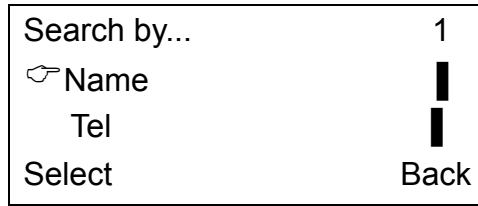
In idle mode, press **【PHONEBOOK】** to enter phonebook menu.

1. Select **【ADD】** to add new entry to the phonebook. You are prompted to input name. If no name is entered, it will be saved as "Noname".

Then edit telephone number and mobile number. At least input one number or the item will not be saved.

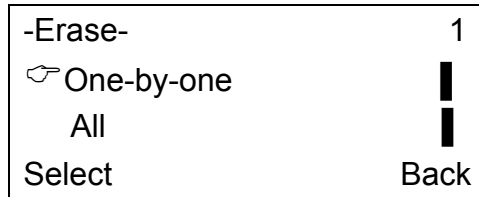


2. Select **【Search】**. There are 3 methods: Name, Tel and Mobile. Select a method and input number or name. Then the results will be indicated.



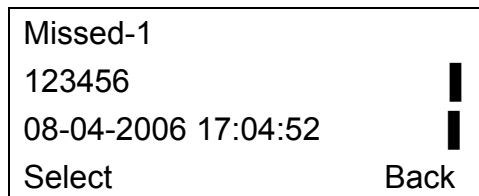
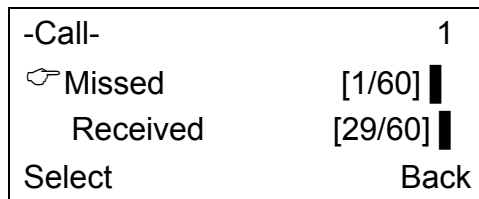
3. Select **【Erase】** . User can delete items one-by-one or delete all items.

NOTE: The deleted items cannot be recovered, so please be cautious when performing this operation.

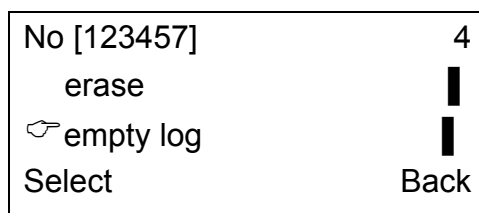
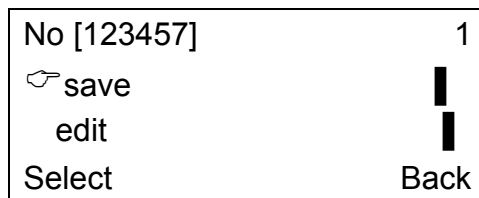


4.6 Call Log


1. In idle mode, press **【CALL LOG】** to enter the call log menu. Select missed calls, received calls or dialed call list.



2. While an entry is selected, press **【OK】** to enter the edit mode. The edit mode has 4 options: SAVE, EDIT, ERASE, and EMPTY LOG.



- i . SAVE: User can save the number as Tel or Mobile to Phonebook.

Save number to...	1
 Tel	<input type="checkbox"/>
Mobile	<input checked="" type="checkbox"/>
Select	Back

Name			
-			
OK	abc	0/20	Back

ii. EDIT: User can edit the telephone number.

Reset number to:			
123457			
OK	123	6/20	Clear

iii. ERASE: The unit will prompt you if you are sure to erase the entry.

Erase 123457?	
Yes	No

iv. EMPTY LOG: The unit will prompt you to confirm if you want to empty the all entries of the selected call log.

NOTE: The operation will delete all entries of selected log and cannot be recovered.

Empty log?	
Yes	No

4.7 Message and Record

4.7.1 Message

1. This function requires platform support. In idle mode, press **【MESSAGE】** will call directly to the mailbox of the platform and the user can hear messages recorded in his/her mailbox.
2. Some platforms show on the LCD how many new messages and/or the total number of messages left in the mailbox, for example: Msg:1/5.

4.7.2 Recording Function

1. Recording: Press **【RECORD】** during a call to record the phone conversation. Recording can be pauses and stopped.
2. Play back recording messages: In idle mode, press **【RECORD】** .
3. Delete recording messages: During message playback, press **【OK】** .

WARNING: Recording of phone conversation may be illegal in some countries or areas. This phone only provides recording function and the company is not responsible for any legal disputes that may arise.

4.7.3 Recording Message Specifications

Recording time: total 10 minutes

Recording format: high quality compressed digital stream

Messages storage: Flash memory (messages will not be erased in case of power failure)

NOTE: When rebooting the phone, all recorded messages will be deleted.

4.8 Network Checking

In idle mode, press **【CONF】** to diagnose network status. The LCD will indicate the speed connecting to the server.

4.9 Phone Logo

Through the web browser, it can configure the phone logo to be displayed on the LCD. Logo1 will be shown on the second line of the display and Logo2 will be shown on the third line. For example, if “VOIP” is entered in Logo1 and “Welcome” is entered in Logo2:

Aug 11 17:53:12
VOIP
Welcome

4.10 Phone Lock

In idle mode, long press **【MUTE】** to lock phone. Input either the user or the root password to disable the phone lock. Under phone lock condition, user can only receive call and cannot dial any number.

```
Aug 11 17:53:12
System locked
Password<_ >
IME:123 0/8
```

4.11 Hardware Examination

The Phone has the hardware test program which is under **【Root】** menu. If user enter the menu by mistake, he/she can power off the unit to exit. Then power on the unit will reboot the phone back to idle mode.

```
Root                2-9
HD_TEST             |
                   |
Select              Back
```

4.12 Provision

Provisioning is a convenient way for the service providers to configure some of the settings to specific values for all its customers. The detail operation of this feature is provided in a separate manual.