



UniData Communication Systems

WPU-7700














User Manual









This manual includes product specifications and instructions for Wi-Fi phone operation. This manual must be read before operating the product.

⚠ A Wi-Fi phone access point is required to use this product. Usage of the Wi-Fi access point provided in the full package is recommended.

Safety Precautions

-  Do not put the WPU-7700 in or on heating appliances such as heaters and microwave ovens to dry it if the device is wet. This may cause explosions, deformation or other problems. If this occurs, free repair services will not be provided.
-  Do not use the WPU-7700 in places that are too hot or too wet (keep it indoors between 0° and +50°C). If the device becomes wet from rain, or through spilled beverages, or is used in extremely hot/wet places such as public saunas, such conditions may cause battery explosions.
-  Be careful that metal conductors such as necklaces, keys, and coins do not come into contact with battery terminals (the metal section). Since short circuits may cause explosions, be careful to prevent this.
-  Keep the WPU-7700 and chargers out of the reach of children or pets. Placing batteries in the mouth, or using broken batteries, may cause injury or electrical shock.
-  Be sure to use only the designated batteries and accessories provided by our company for the WPU-7700. If you use unauthorized batteries or accessories, it may reduce the life of the WPU-7700, cause explosions or damage. If this occurs, free servicing is not applicable.
-  Correctly install the WPU-7700 in compliance with the instructions. Otherwise, abnormal operation of the WPU-7700, or a reduction in its life span may occur.
-  Use standard chargers that obtained Unidata authentication for batteries. Otherwise, batteries will have their life reduced, face explosions or damage WPU-7700. In this case, free repair services will not be provided.
-  Never push the power button when the WPU-7700 is wet, and do not touch the WPU-7700, the charger or power cords with wet hands. This may cause fires or electric shocks. The WPU-7700 is not water-resistant. Keep it dry
-  Do not use chemical detergents such as benzene, thinners and alcohol to clean the WPU-7700. This may cause fires.

Safety Precautions

-  Do not hold the WPU-7700 close to your ears when turning on the power. This may cause hearing impairments or physical injuries.
Do not look at the infrared window in a direct way when using the remote control, as doing so may cause visual impairment.
-  Refrain from using the WPU-7700, and leave the power cord for the charger unplugged when it is thundering and lightning.
Lightning bolts may cause severe physical injuries or fires.
-  Do not disassemble the WPU-7700 temporarily or apply shocks to the device.
If the device is damaged when you disassemble it, or inflict shocks on the device, it may cause electrical shocks, electric leakage or fires.
-  Take precautions to avoid radio interference.
Since this radio equipment can have radio interference, services related to life safety are not provided.
-  Do not install the WPU-7700 in dusty areas.
Doing so may cause operational problems, or reduce phone life.
-  Install the WPU-7700 on flat places, not on shelves or slopes.
Otherwise, injury may result, or damage may occur if it falls.
-  Do not cover the WPU-7700 with plastic wrap or vinyl. The protective coating may be damaged.
-  Record and keep the information contained in the WPU-7700 separately.
Since important information stored in the WPU-7700 may be removed due to unavoidable circumstances such as user carelessness, maintenance and product upgrades, please keep a record of this important information. Take note that the manufacturer will not take responsibility for any damage from the loss of information.





Basic Components

Basic Components of WPU-7700

Please check whether the package includes all these items as shown in the picture below after purchasing the phone set. If you find that there is anything missing, please contact your dealer immediately.

For safety in use, please purchase authentic products.

If you want to purchase additional batteries or chargers, contact your dealer.

Phone	Battery	Cradle	AC Adapter
			

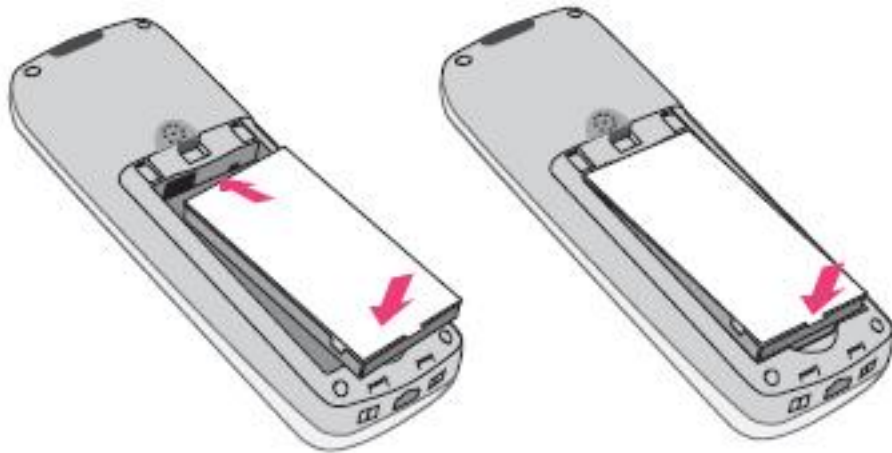
Battery Replacement

Battery Replacement

Only use batteries authorized by the company when you replace batteries, following the diagram below.

⚠ CAUTION
RISK OF EXPLOSION IF A BATTERY IS REPLACED WITH AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Battery installation method




If the battery is inserted upside down, the WPU-7700 phone will not work.

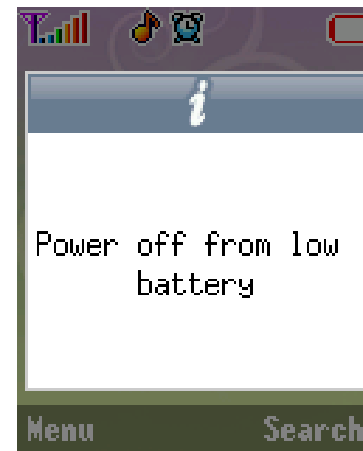
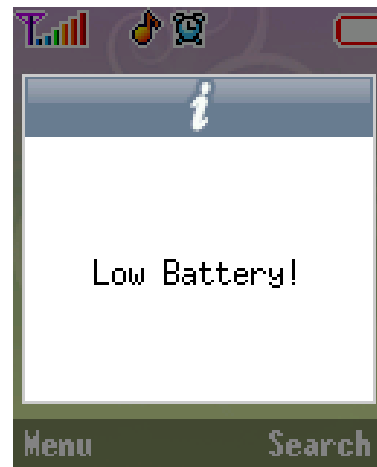
Battery removal



Please turn off the power before removing the battery from the WPU-7700 phone. (a sudden power shutdown can cause problems)

Battery Charging Signal

If the battery needs to be charged, it displays ,  and the beep is sounding. If the beep is sounding, begin charging immediately.



Time Taking to Charge / Battery Life

Time Taking to Charge / Battery Life

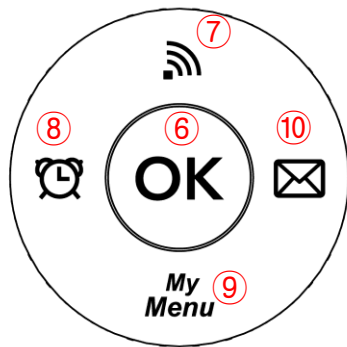
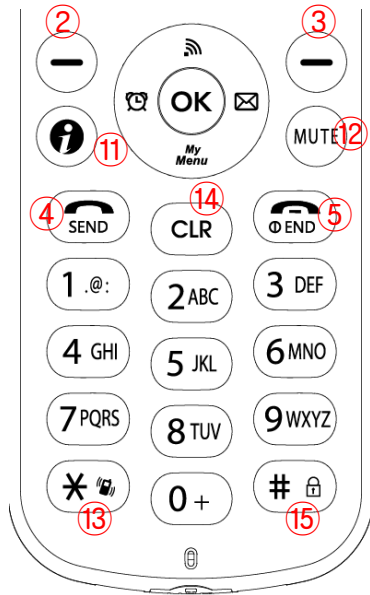
Model		Standard Model
Charging time		150 minutes
Battery life	Voice	3 hours 10 minutes
	Standby	40 hours

※ Battery life varies with the environmental temperature, battery age and movement of the user.

-Battery life is not permanent.

⚠ The successive use time and standby time of batteries are the estimates of the company's laboratory, which can vary from the figures in the manual depending on the patterns used.















Key Features



Key Name	Icon	Basic functions
Direction key		Function of Shortcuts (Alarm, Message, Wi-Fi). menu viewing, Can be pressed up and down, left and right
Left selection key		Submenu operation etc.
Right selection key	② ③	Function of Left and Right Selection Key
Send key	④	Receiving and making a call
End key	⑤	End a call and to switch the power ON/OFF
OK key	⑥	Used to confirm
AP search key	⑦	Searching Access Point
Alarm key	⑧	Alarm/Wakeup call
My menu key	⑨	Personal shortcuts for quick access
Message key	⑩	Using message function
Google Service key	⑪	Using Google service
Mute key	⑫	Mute ON/OFF
Vibration key	⑬	Silent ON/OFF
Clear key	⑭	Removing characters or moving to previous screens
Lock key	⑮	Key Lock

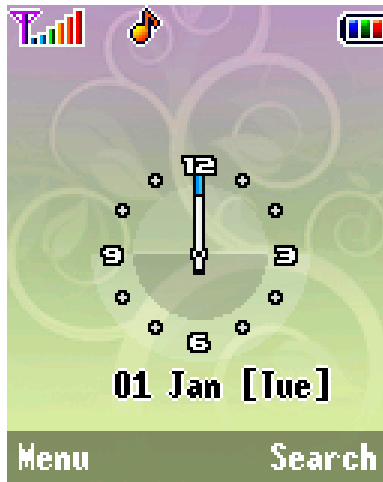
Display Indicators




	Signal strength
	Out of call coverage area
	Call in progress or connection
	Call not available
	You have selected the sound setting
	Mute button, displayed when the volume is set to "0"
	An alarm is set
	You have one or more unread messages in the Inbox folder
	Setting to call forwarding service
	Remaining battery life Full  Low  Empty 
	Connecting to network


Power On / Off

If you want to turn on the power, keep pressing  for 3 seconds or more.



If you want to turn off the power, keep pressing  for 3 seconds or more.

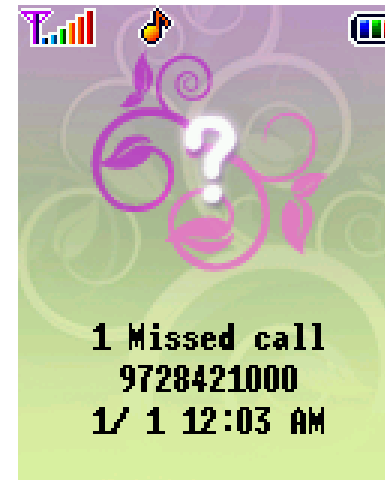
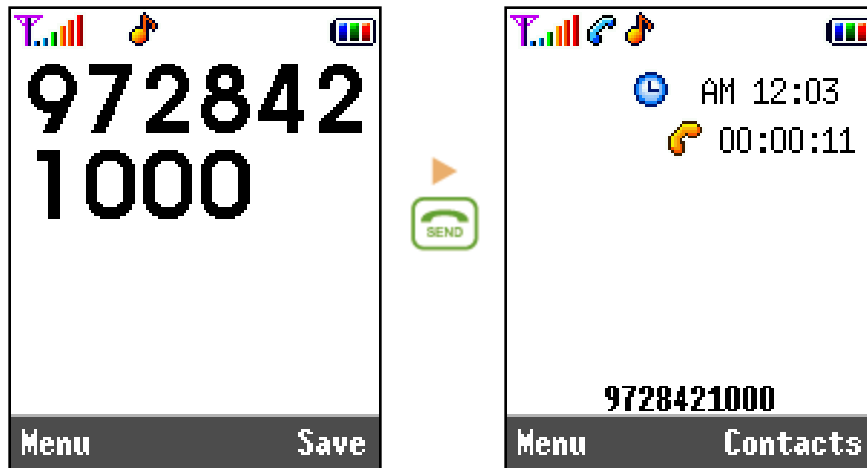



 If anything abnormal occurs, or if the power button does not work while using a Wi-Fi phone, start the phone after removing and inserting the battery. Turn on the power after waiting for 5 seconds or more when you restart the phone.



Making a call


Key in the phone number

To delete the number or digit, press the <CLR> button




In standby, enter the numeric keys and then press  key
* Call quality may become reduced with increased distance away from the access point.

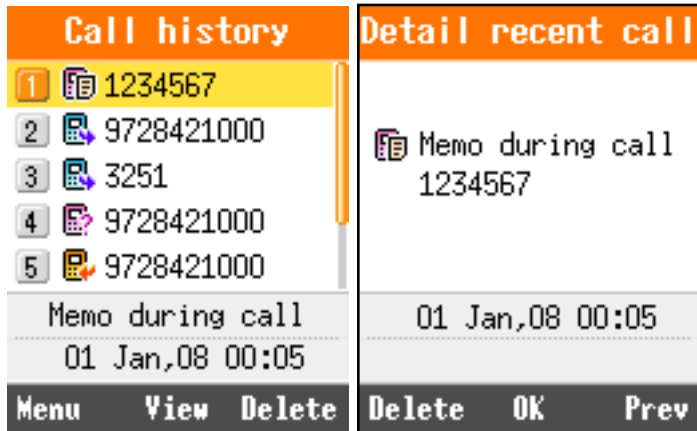
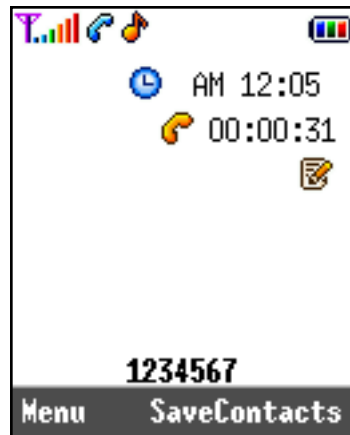
If you have a missed call, press  and the last one of those calls will be answered.
To see calls that have arrived in your absence from the call list, press  in stand-by mode

 Prior to making or receiving calls, the phone must be connected to a wireless Access Point (AP) and registered with a service network.

Calling functions

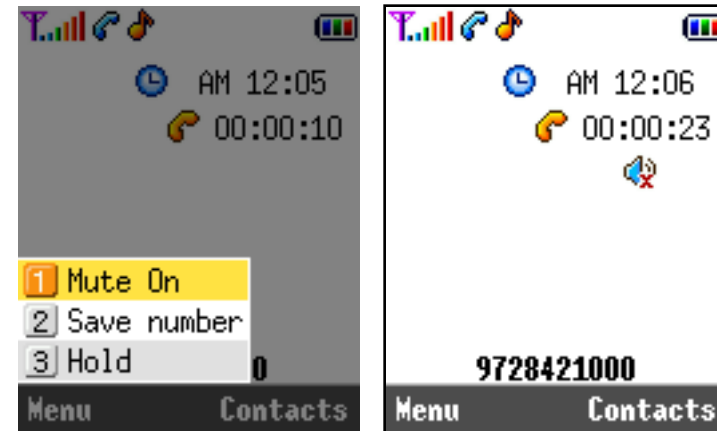
Write a memo on calling

To note something (numbers ONLY) , press the number key buttons during a call and select  button then you can find the notes in the call list.





Mute

To mute, select Left Selection Key  Menu > Mute On




There are two ways to view the call history:


1. Select  for shortcut in standby mode.
2. Select Left Selection key  (Menu) > Call history;

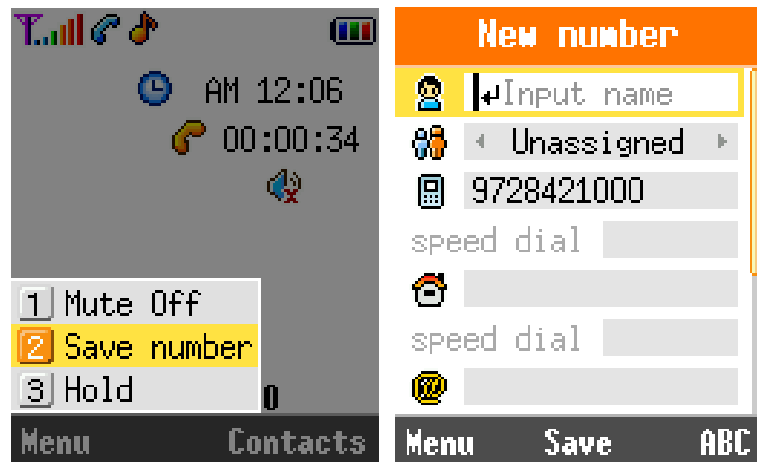
The list of incoming and outgoing calls can be stored up to 100 listed in the Call History.

Calling functions

Add a Phone Number on calling

To add a phone number on calling , select Left Selection key  (Menu) > Save number


To find a saved number in the phone book, use the Left Selection key  (Menu) > Contacts > Search



Volume Control


To adjust receiver volume on calling, select direction

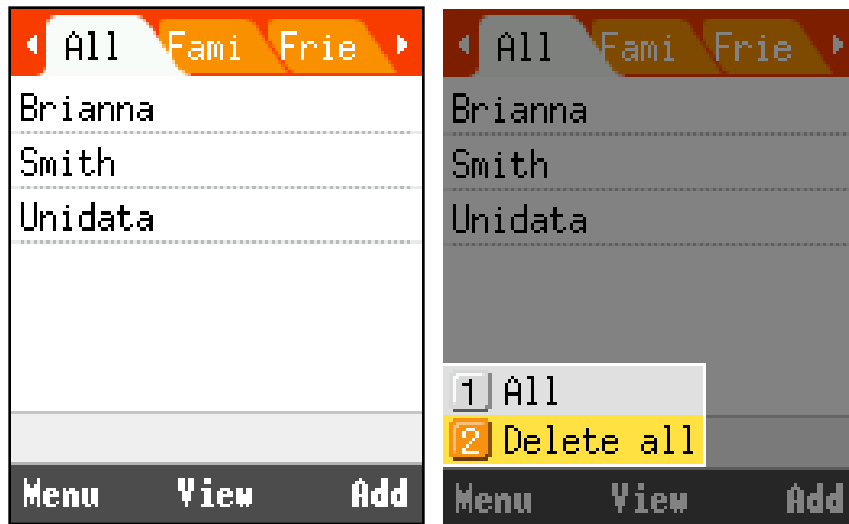
key  up and down.


To go to the previous screen after adjustment press  or wait for 3 seconds.



Phone Book

To Search for a phone number, select the Left selection key L
(Menu > Contacts > Search)



You can search for phone numbers just by pressing **<Search>** Right Selection Key) R in stand-by mode.

Search all: To search by a part (more than 1 character) of a name, phone number or e-mail address,


Select Left selection key > All


Then you can enter letters or digits, after entering the letters or digits, all names starting with these letters/digits will be displayed.

To search the number again, press 

Search by group: To select a group to search in (unspecified, standard groups, custom groups),

Select Left selection key > By group

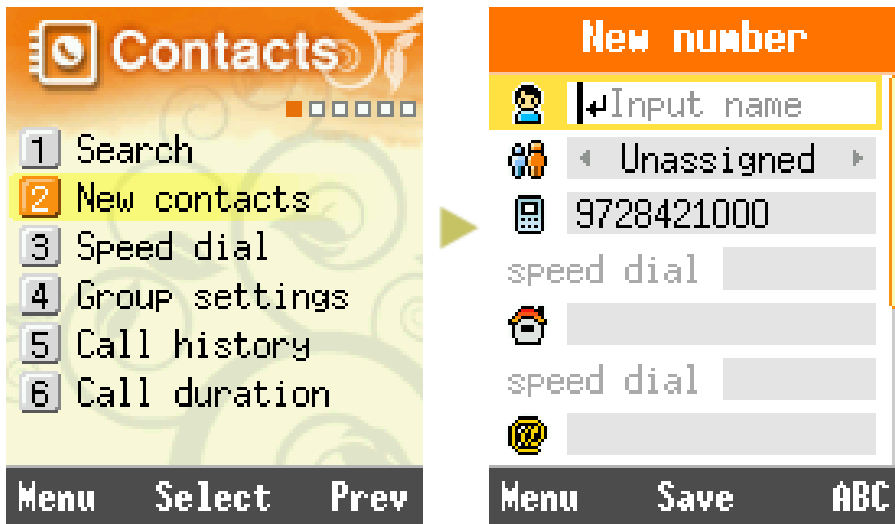
Press the  key to view and edit the saved details.

Press the  key to call a found number.

Phone Book












To add Phone Numbers, select Left Selection key \ominus L (Menu > Contacts > New contacts)

Add a new phone number and other details.



Up to 500 phone numbers can be saved.

※ Each type of phone number can be selected. If more than 2 phone numbers are to be saved, one phone number must be selected as the main phone number.

Name		Save a name. (Up to 16 alphabet characters)
Group		Assign a group. Use the direction key to assign the group.
Phone Number	    	Up to 5 different types of the number can be saved. To assign number type press the left selection key \ominus L <Type> To assign a speed dial number, press the right selection key. \ominus R <Short>
E-Mail Address		Save an e-mail address.
Messenger		Save messenger details.
Ringtone		Assign a ring tone.
Memo		Save a memo. Up to 80 alphabet characters can be saved.

Phone Book

You can add a new number in standby mode.

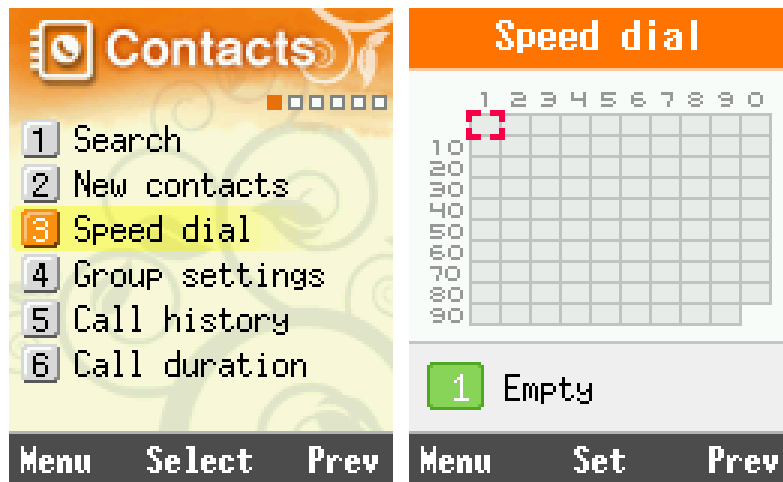
Dial a phone number and press the Right Selection Key \ominus R <SAVE> during stand-by to save phone numbers.



Phone Book

3. To set speed dial, select the left selection key \ominus L (Menu > Contacts > Speed dial)

Set speed dial numbers for phone numbers saved in the phone book that are frequently called (up to 99 speed dial numbers can be saved).



1. Select a speed dial number and press \odot <SET>.
 2. Search for a phone number in the phone book.
 3. Select a phone number and press \odot <SELECT> to complete the setting.
- \ominus R <Move>: Moves a phone number to a different speed dial number.
 - \odot <Clear>: Clears an assigned speed dial number.

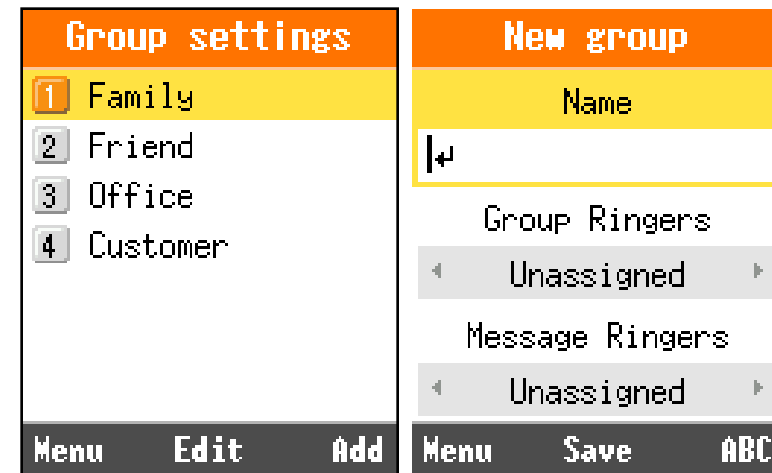
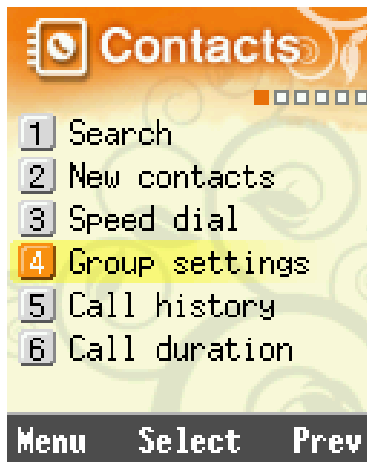
View Speed Dial Number List: Displays a list of saved speed dial numbers.

Clear All: Clears all saved speed dial numbers.

※ Select a speed dial number and press SEND to make a call.

Phone Book

Group Settings (Menu > Contacts > Group Settings)+ Edit a group to assign a phone number or add a new group.



Select a group to edit and change the group name and ring tone.

Up to 30 groups can be set.

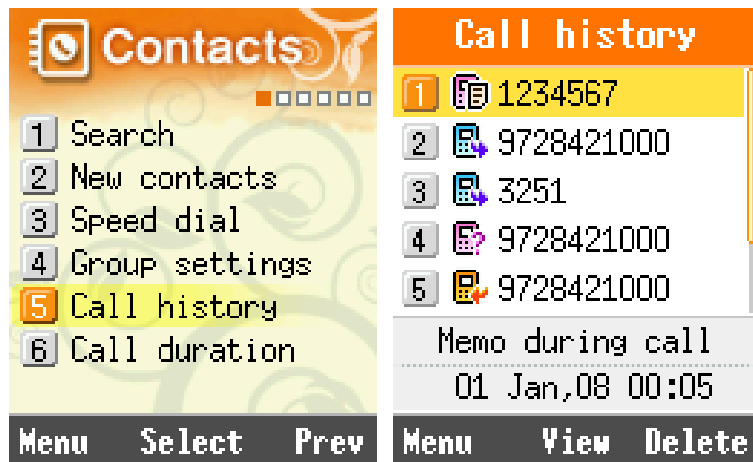
Group name: Enter a group name (24 alphabet characters)

Group ring tone: Assign a ring tone to a group.







※ Incoming calls from a phone number assigned to a group will sound the selected ring tone. However, the group ring tone will be ignored if another ring tone is assigned in the phone book.

Phone Book

Group Settings  L (Menu > Contacts > Call history) or press the  for shortcut to view the call history in stand-by



You can see the total number of calls: incoming, outgoing and missed calls up to 100.

	Outgoing calls
	Incoming calls
	Missed calls
	Memo during calling
	Call block
	Call forwarding

Call duration

To view the total time and number of outgoing or incoming calls and SMS, select **Menu > Contacts > Call duration**

Message

In message mode, you can read, write and send messages. The messaging service can only be used if it is supported by your network or service provider.

Left selection key \ominus L (Menu > Message) or press the shortcut key. 

Create a text message

Select menu > Message> Write Msg.

1. Enter the recipient's number and message.
2. To add recipients, scroll to the To: field, and enter the recipient's number.
or select Search to add recipients from the available options.
You can add up to 10 recipients.
3. To add symbols and emoticons when writing a text, select Menu.



Messaging folders

Inbox – All the incoming messages are stored in the <Inbox> folder with detailed date, time and sender of each message shown.

You can use <menu> to reply, forward, save number, save in saved box and delete the selected message or delete all messages in the Inbox.

Outbox – The Outbox is the place where the messages sent out are saved. The time the message was sent out and the receiver information are shown.

Draft – Draft is the place where messages in process are kept. Messages are put in <Draft> when you save the text you just keyed in the message and it is kept in Draft until sent out.

Message

To set the message display type, alert time and assign a message ringtone, Select the Left selection key \ominus L (Menu > Message > Settings) or press the shortcut key.

Settings folders

My phrase – You can assign your own phrasing up to 10.

Display type – You can assign the type of the message display.

Alert time – You can assign the time of the alert message.

Message alerts – You can assign the message alerts ringtone.

Save out box – You can set the storage of transmitted messages.

If you select <YES>/<NO>, the transmitted messages will automatically/not be stored in the Outbox.

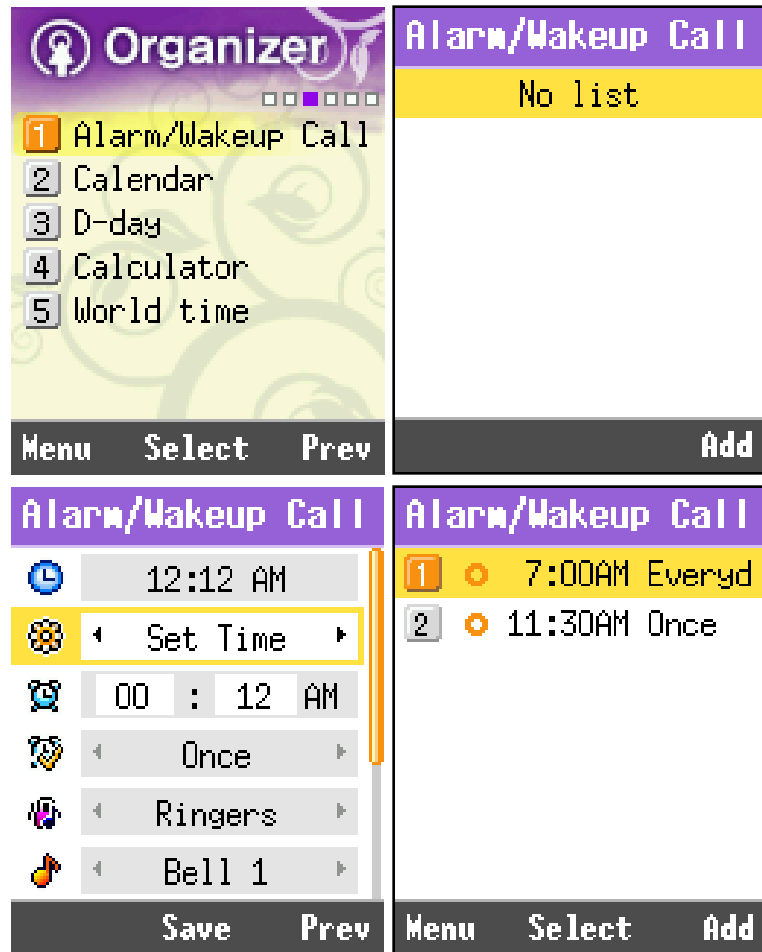
Reset Msg Box – You can initialize the message boxes. To reset the message box, enter the password and select the Message folder.











Organizer

Alarm/Wakeup Call

To set an alarm, select left selection  Menu > Organizer > Alarm/Wakeup Call



	Display the current time.
	Assign the time.
	Set the alarm time manually.
	Assign the alarm period.
	Assign the alarm ringtone.
	Assign the alarm repeat time.
	Assign the alarm repeat time period.
	Save a memo. Up to 40 alphabet characters can be saved.

You can set the alarm up to 10.

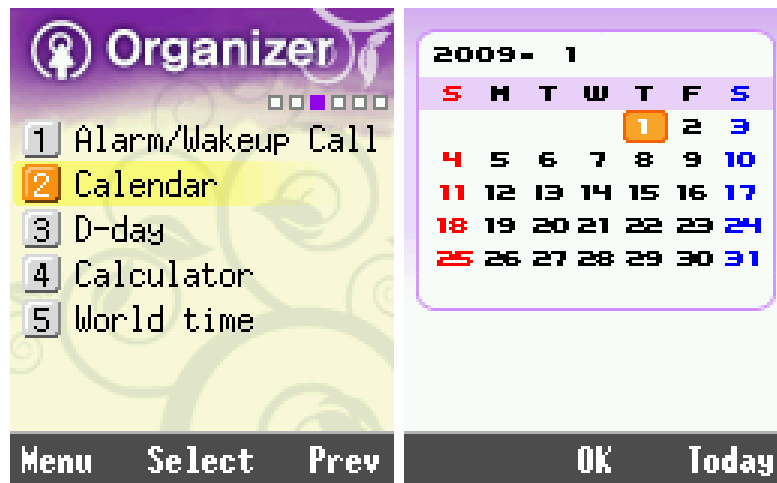
Organizer

Calendar

To view the date of the month and year, select left selection \ominus L

Menu > Organizer > Alarm/Wakeup Call.

It provides date choices between January 1970 and December 2020.



Birthday

To set your birthday, select left selection \ominus L

Menu > Organizer > D-day

World time

To view the 52 Of principal capital cities in the world time, select left selection \ominus L Menu > Organizer > World time

Calculator

To use the calculator, select left selection

Menu > Organizer > Calculator.



- You can enter the figure up to 15 digits.
- To enter the figure from the start, select \ominus L <AC>.
- To represent decimal points, select < * > button.
- To use negative numbers, select < # > button.
- Four fundamental rules of arithmetic are available in a consecutive way up to 10 times.

Sounds

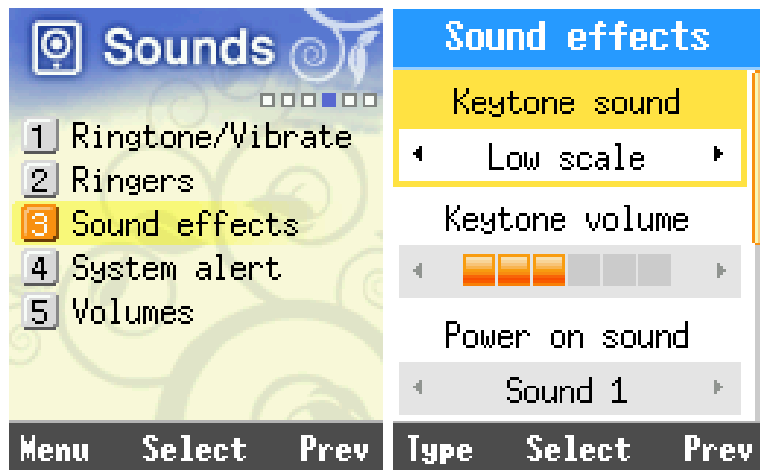
Ringtone/Vibrate

Select left selection **Menu > Sounds > Ringtone/Vibrate** to choose how the phone notifies you of an incoming voice call.

The alert type allows you to choose between Ringing (Ringtone), Vibrating and Silent.

System alert

Select **menu > Sounds > System alert** to choose how the phone notifies you of low battery, warning and service area sound.



Ringers

Select **menu > Sounds > Ringers** to change the type of the bell.



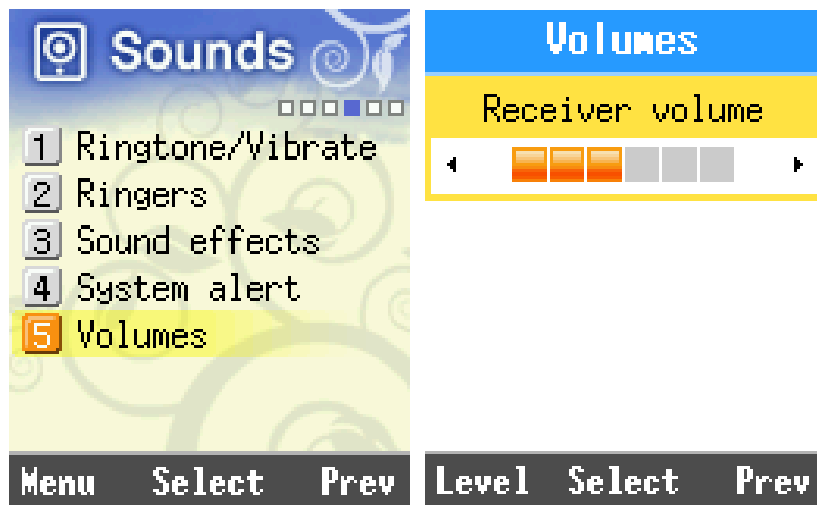
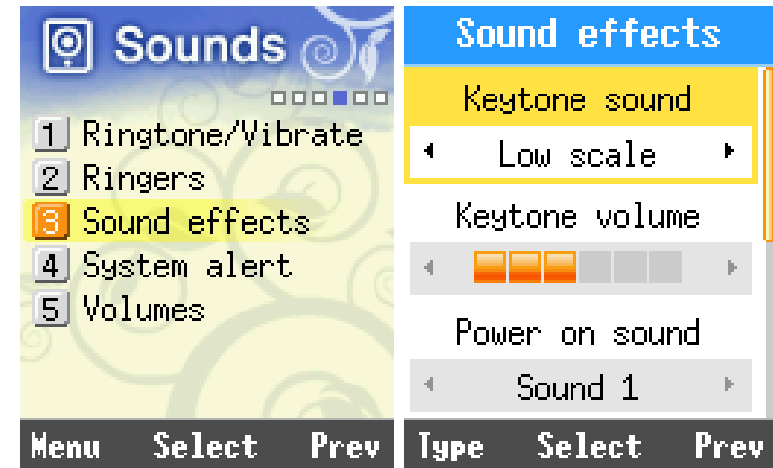
Sounds

Sound effects

Select **menu > Sounds > Sound effects** to assign the key tone sound when turning the phone on/off.

Volumes

Select **menu > Sounds > Volumes** to adjust volumes of the receiver.



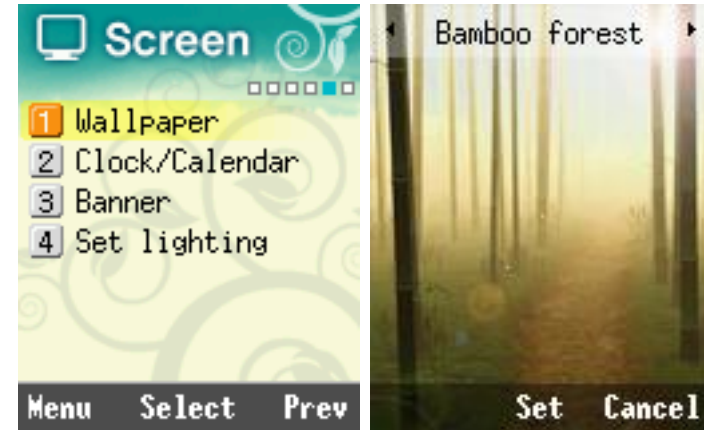
Screen

Wallpaper

To assign the wallpaper, select left selection **Menu > Screen > Wallpaper**.

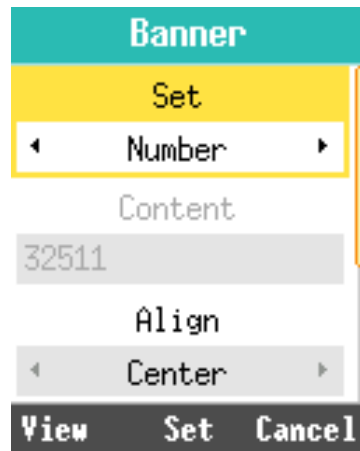
This feature enables you to set a picture as a wallpaper image in your phone's stand-by screen.

There are 14 built-in pictures for you to change the background image.



Clock/Calendar

To define the clock type of the time format in stand-by screen, Select **Menu > Screen > Clock/Calendar**.




Banner

To select the type of the banner as a phone number or greeting in your phone's stand-by screen, select **Menu > Screen > Banner**. This option enables you to set your phone number or welcome as a greeting to be displayed in your phone's stand-by screen.

Screen

Set lighting

To set the time to dim the display and adjust the brightness of the LCD light, select the left selection key  **Menu > Screen > Set lighting.**

- LCD backlight

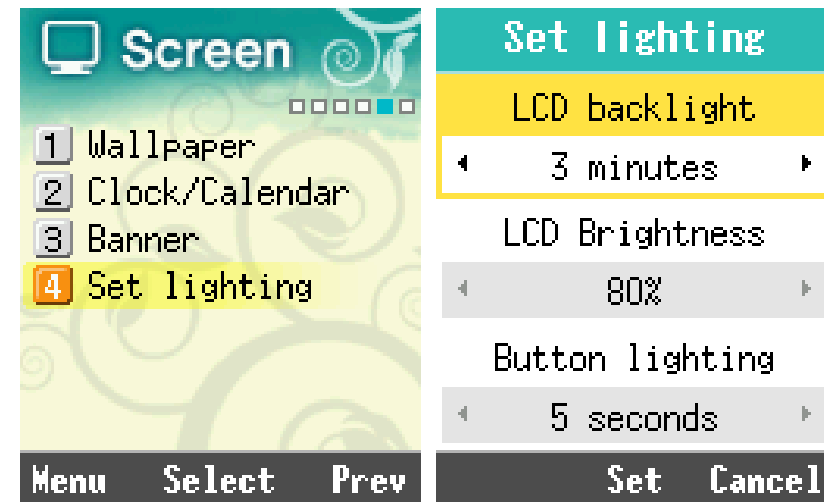
You can set the time to dim the display of the LCD backlight.

- LCD brightness

You can set the LCD screen brightness to 40%, 60%, 80%, or 100%, and it has been factory set to 80%.

- Button lighting

You can set the light time-out of the keypad.



Settings

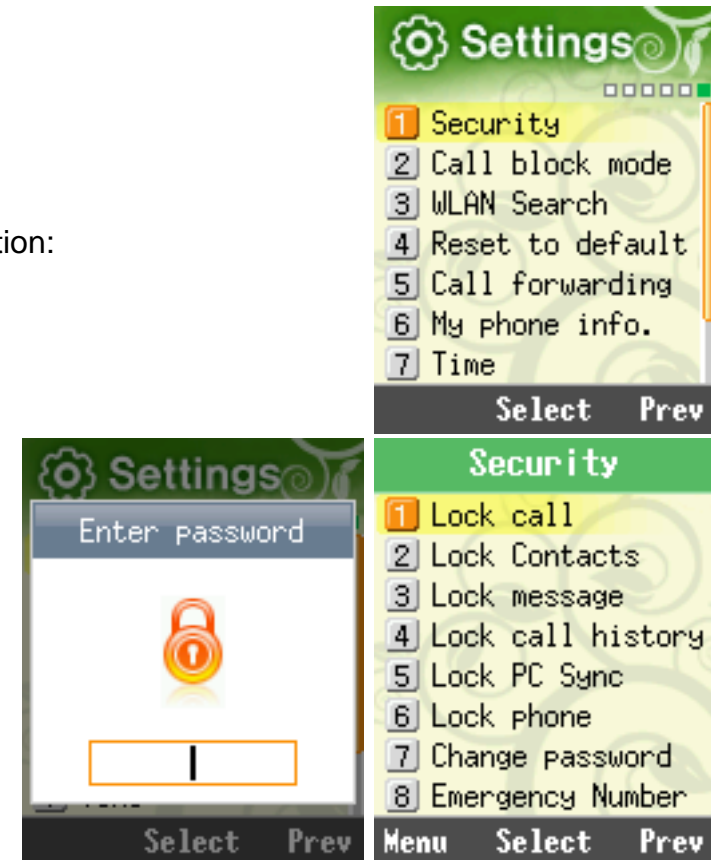
Security

Manage the data and software on your device, and protect the security of the device and its contents.

⚠ The default user password is 0000.


Select the left selection key  Menu > Settings > Security and from the following option:

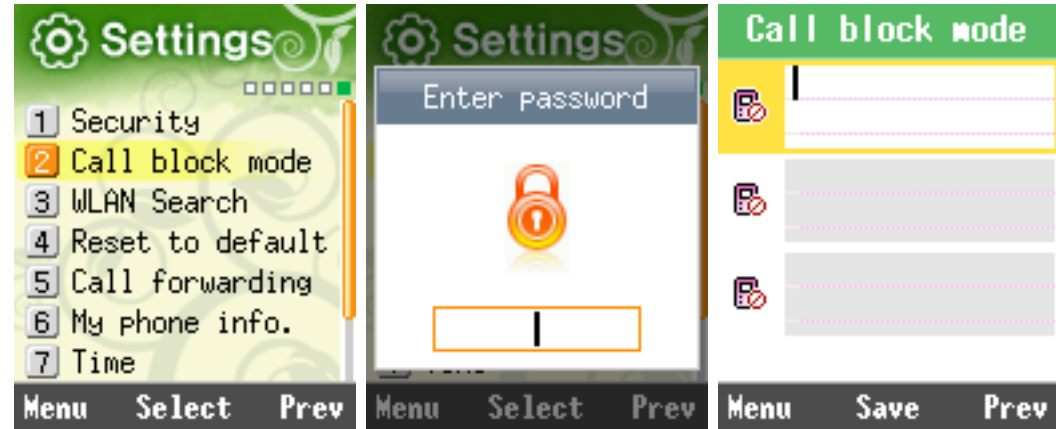
- Lock call – A password is required for outgoing calls from your phone.
- Lock Contacts – A password is required to access all of the contents of the contact.
- Lock message – A password is required to access all of the contents of the message.
- Lock call history – A password is required to access all of the contents of the call history.
- Lock PC Sync – In order to use Web configuration via a PC Web browser to configure the system of the phone, select <Enable> then enter the new password (6 to 12 digits) for a PC Web browser to connect between the phone and PC.
- Lock phone – Every time to dim the display, a password is required.
- Change password – Enter the new 4-digit password for lock code.
- Emergency Number – You can register an emergency phone number that you can call during the phone lock. The following is the standby screen when set to Main Lock.



Settings

Call block mode

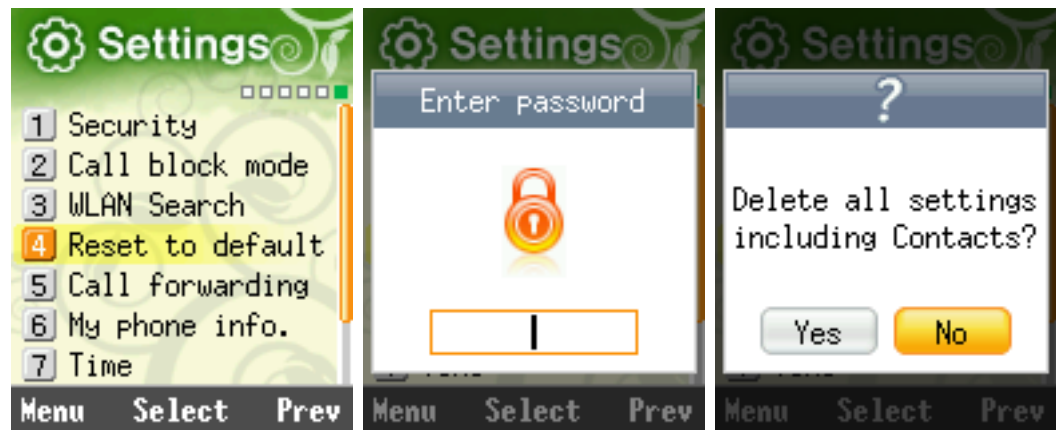
To add and remove a blocked number, select the left selection key  Menu > Settings > Call block mode
You can block up to 3 numbers.



Reset to default

To reset all preference settings and delete all personal data, such as contacts, messages, WLAN and SIP information, select the left selection key.

 Menu > Settings > WLAN Search



Settings

WLAN Search

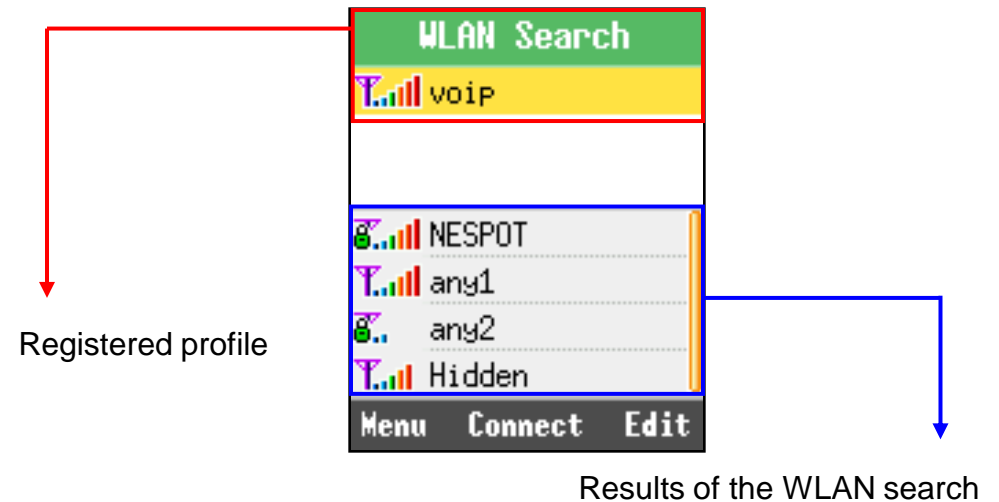
To search the WLAN, to add and remove a blocked number, select the left selection key \ominus L Menu > Settings >

WLAN Search

Or press the  in stand-by mode for shortcut.

If you select WLAN search, the following display will appear:

1. Display registered Wi-Fi profile (Top)
 - If there is no registered Wi-Fi, a default profile will appear
 - VoIP is a default profile.
 - WPU-7700 can register Wi-Fi up to 4.
 - Default Profile 1 + Registered from User 3.
2. Display scanned AP list. (Bottom)
 - Display strength signal and SSID of scanned AP.
 - Hidden AP will not be displayed.



 Have no encryption set in WLAN network

 Have an encryption set in WLAN network

Settings


WLAN search menu lists

- Refresh: Refresh the scanned AP.
- Details: Detail information of selected AP.
- Add profile: Add new profile.
- Delete: Delete selected item (It displays on the menu when you select registered AP list).
- Delete all: Delete all the registered AP list.
- Up/Down: The higher position of the AP is the higher priority when the phone connects to AP automatically.


WLAN settings

There are 3 ways to register AP:

1. Add profile from registered AP list menu:


Select  Menu > Add profile.
SSID setting : Enter SSID name.
Security setting : You can configure security to use.
Networking setting : You can set Network DHCP or manually.

2. Add profile from unregistered AP list menu

Select  add.
SSID setting : SSID will set to automatically.
Security setting : You can configure security to use.
Networking setting : You can set Network DHCP or manually.

3. Add profile as Temp from the unregistered AP list:

Select <OK>.
Security setting : You can configure security to use.
Networking setting : You can set Network DHCP or manually.

-  If you add a profile as <Temp>, it means it is connected as temporary so you should connect to the AP manually every time when you connect to the AP if it is not registered.

Settings

Call forwarding

To divert a call to another number, based on different conditions, select the left selection key \ominus L Menu > Settings >

Call forwarding.

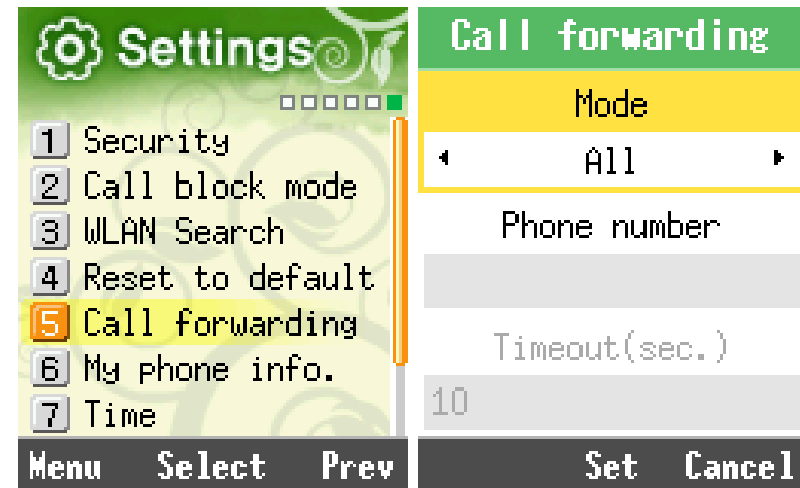
Activate Call Forwarding:

There are four features that you can choose:

- All: will transfer all calls under any conditions.
- No Answer: will divert the call when the call is unanswered.
- Busy: will transfer the call when the line is busy or the call is rejected.
- Disable Phone Number: will transfer the call to the designated number under specified conditions.


Timeout : You can set the time to divert the call when the call is unanswered.

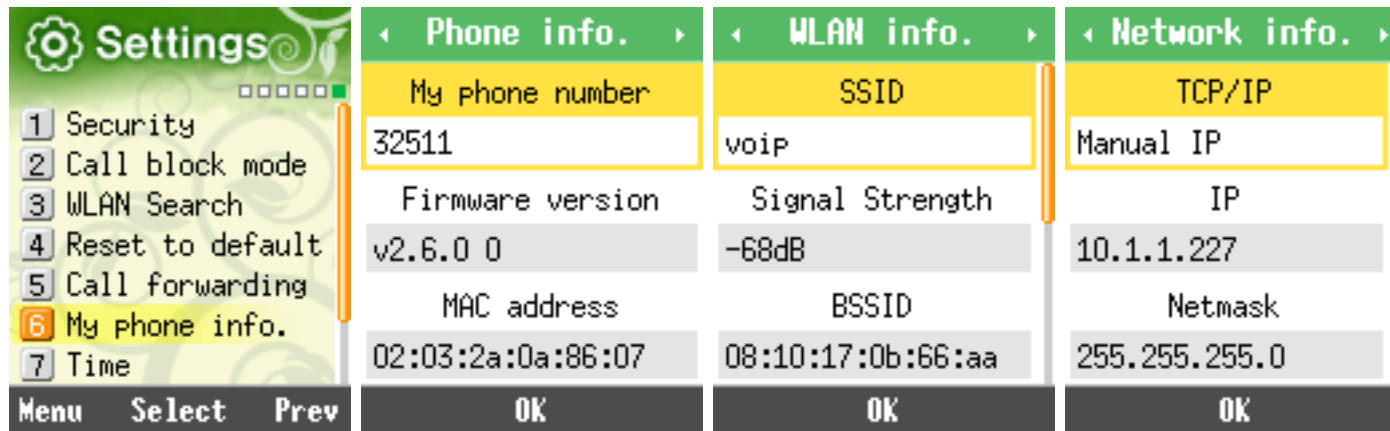
To deactivate the function, select mode to <disable>.



Settings

My phone information

To view the settings information of the phone, select the left selection key  Menu > Settings > My phone info.



Phone Information

My phone number, Firmware version, MAC address.

WLAN Information

Displays the access point or wired/wireless router the Wi-Fi phone is connected to.

SSID, Signal Strength, BSSID, Security, Channel, Beacon Interval.

Network Information

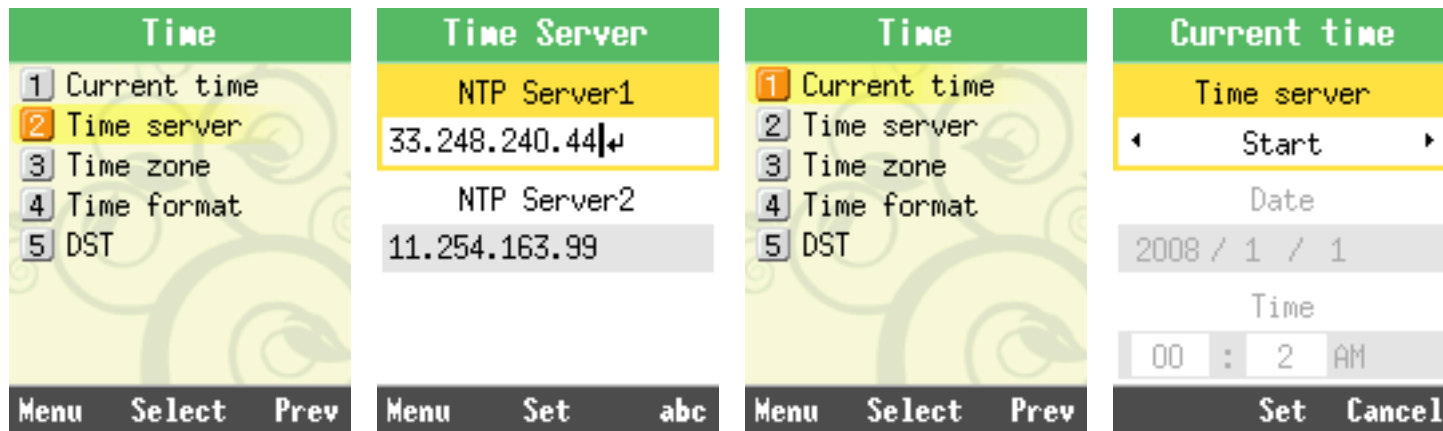
Displays the IP address, netmask, gateway and DNS address.

Settings

Time

To change the clock type, time, time zone or date, select the left selection key \ominus L Menu > Settings > Time.

To set the current time automatically, select the Time server and enter the NTP IP in NTP Server1 and 2 then, select Current time and Time Server to <Start>.



Time format

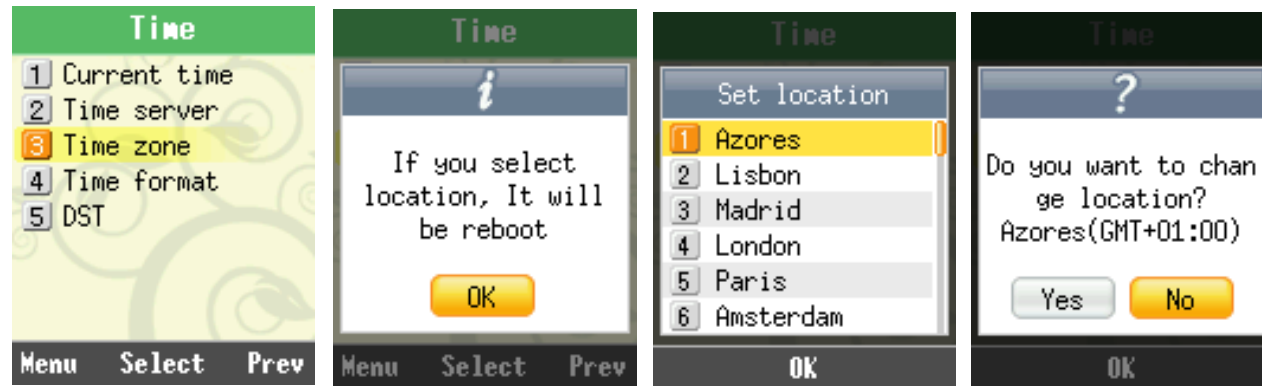
To change the clock type and date, select the left selection key \ominus L Menu > Settings > Time > Time format.

⚠ We strongly recommend using NTP server. Otherwise you should re-set the time whenever the phone is rebooted if you don't use NTP server.

Settings

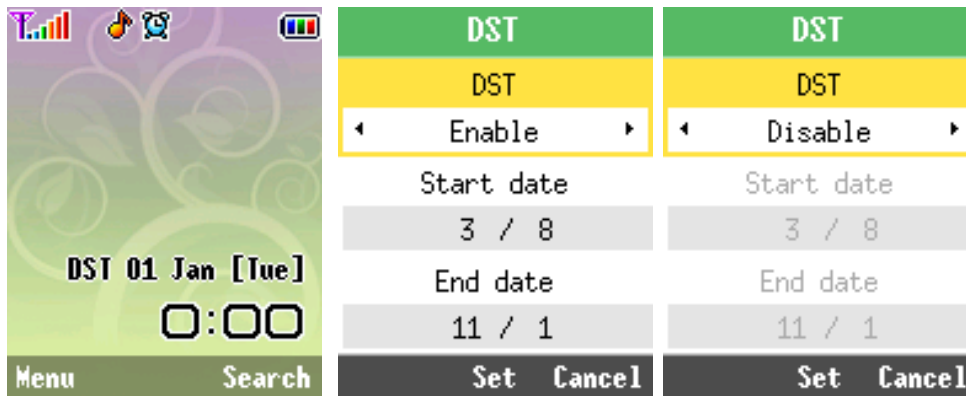
Time zone

To change the time zone, select the left selection key \ominus L Menu > Settings > Time > Time zone.
The WPU-7700 supports 53 of the capital cities in the world times and selects your location in GMT.
Finally the phone will be rebooted.



DST

To define Daylight Saving Time, select the left selection key \ominus L Menu > Settings > Time > DST and choose Disable or Enable.
After set DST time will be displayed on the screen.



Language

To set the language used on the device display, Select the Left selection key \ominus L Menu > Settings > Language.
The WPU-7700 supports 9 different languages.

System

Administration Menu

To set the overall contents of the Administration Menu, select the left selection key \ominus L Menu > Settings > Admin. Menu > Enter the password.

⚠ The default administrator password is 000000.

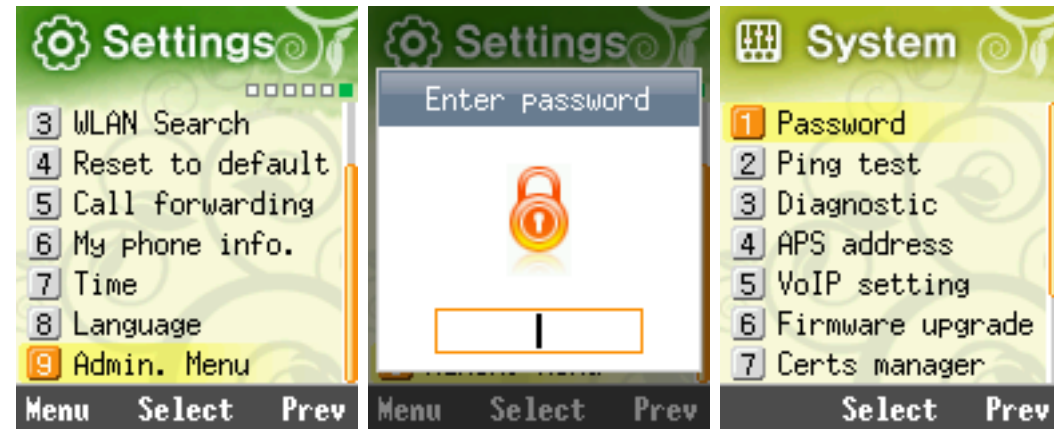
Password

To change the user or administrator password, select the left selection key \ominus L Menu > Settings > Admin. Menu > Enter the password > Password.

The required user/administrator password is 4 digits and 6 digits.


Ping test

To perform a simple diagnosis of the network such as Gateway, DNS server and APS server, select the left selection key \ominus L Menu > Settings > Admin. Menu > Ping test

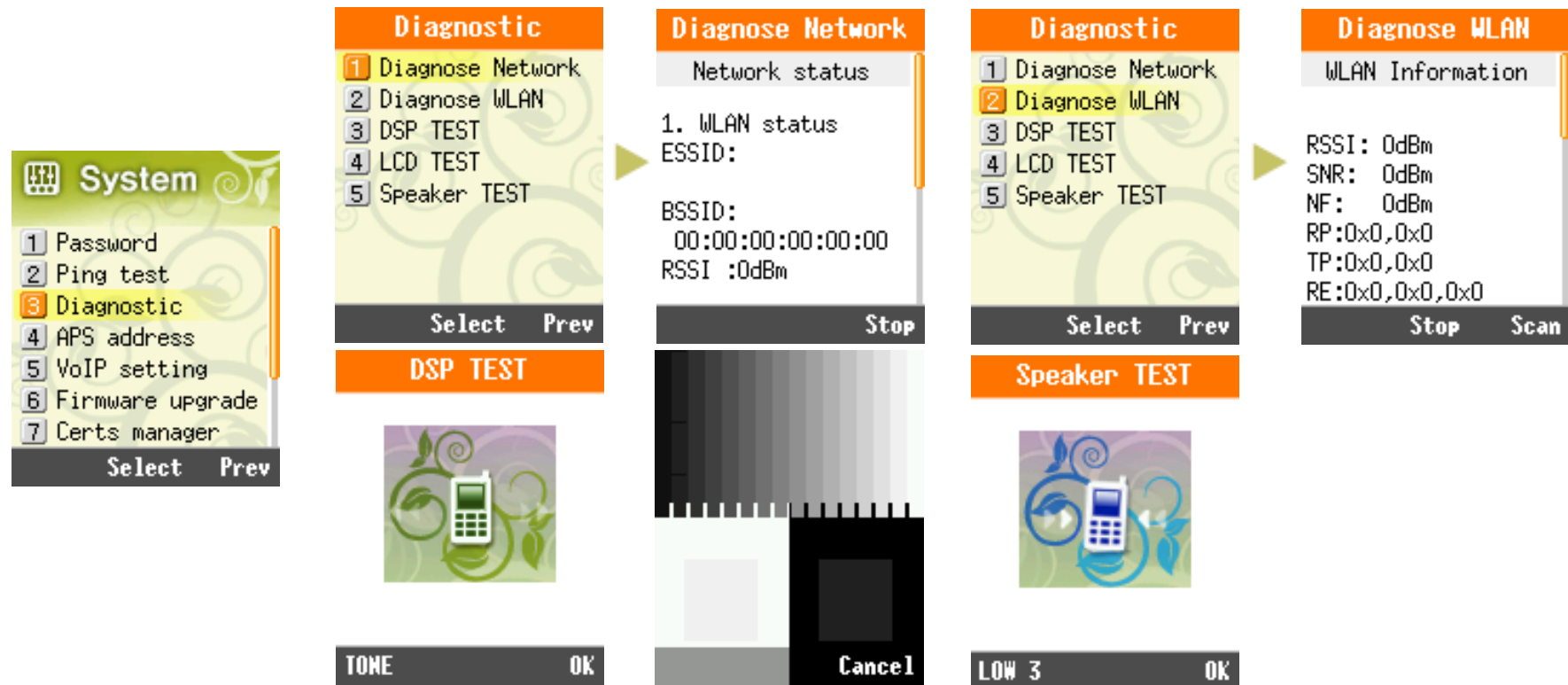



System

Administration Menu

To view the network status such as WLAN, TCP/IP and PER(Packet Error Rate) between Gateway and DNS and testing DSP, LCD and Speaker, select the left selection key  Menu > Settings > Admin. Menu > Diagnostic.

It takes about 3 to 5 seconds to finish the each diagnostic process, and all the keys will be inactive during the process.



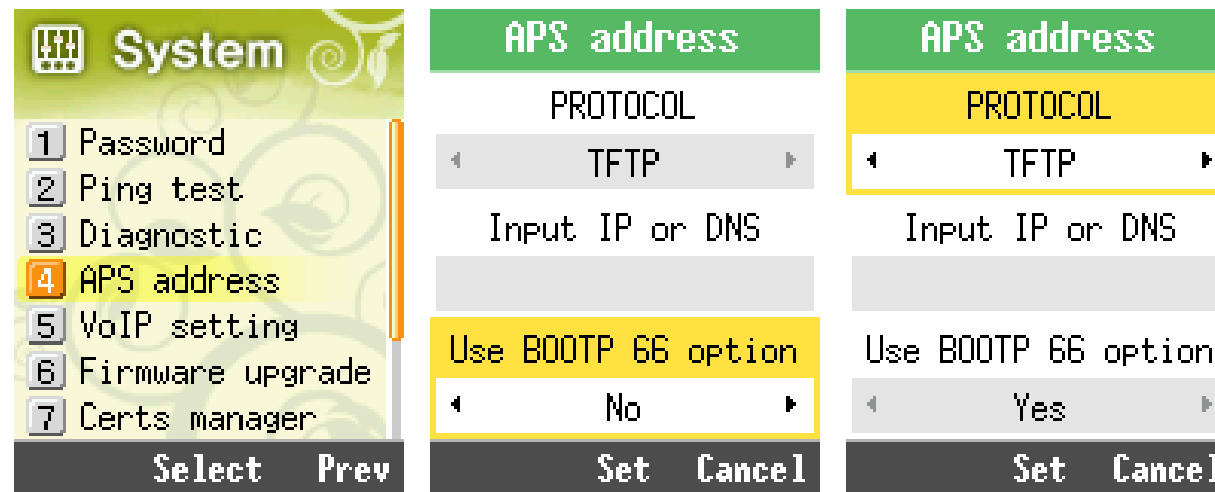
 For more information , please refer to the administration manual.

System

APS address

To set up the Auto Provisioning Sever address, select the left selection key  Menu > Settings > Admin. Menu > APS address.

It supports HTTP, HTTPs and TFTP.



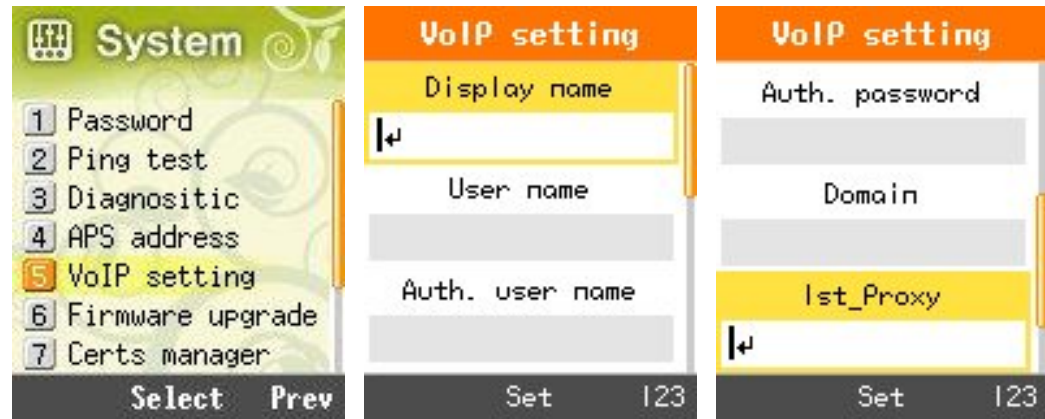
 For more information , please refer to the administration manual.

System

VoIP Setting.

Select the left selection key  Menu > Settings > Admin. Menu > VoIP setting.

You can set the information of the SIP server.




SIP Account.

If you select VoIP setting, the following options will appear:

- Display name – It is the type of the banner as a phone number or a greeting in your phone's stand-by screen.
- User name – Enter your registered phone number from SIP server.
- Authorized User name– Enter your authorized user ID.
- Authorized Password – Enter your authorized password.
- Domain – If SIP header includes Domain Name, please enter the domain name.
- Proxy – Enter the address of the SIP server

System

Firmware upgrade

To set the server address for upgrading firmware, select the left selection key  [Menu > Settings > Admin. Menu > Firmware upgrade.](#)

It could not be upgraded if the firmware version is the same or lower than the current version.

Make sure that the server is in root directory.

Certificate manager

To view or download the certificates, select the left selection key. 


[Menu > Settings > Admin. Menu > Certs manager.](#)



QoS (Quality of Service)


To adjust voice packet for quality, select the left selection key  [Menu > Settings > Admin. Menu > QoS.](#)

Coder

To set the coder for voice, select the left selection key  [Menu > Settings > Admin. Menu > Coder.](#)

SIP Outbound Proxy

To set the SIP outbound proxy, select the left selection key  [Menu > Settings > Admin. Menu > SIP Outb Proxy.](#)

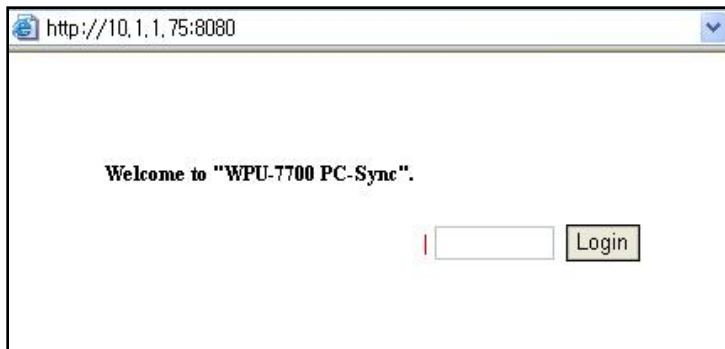
 For more information, please refer to administration manual.

PC Sync

Web Configuration Tool

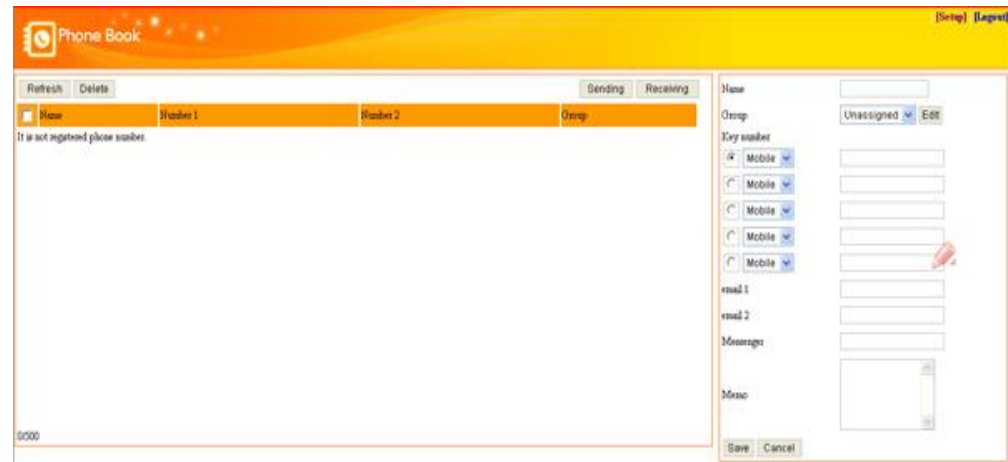
A PC browser can be used as an alternative to configuring the system. Ensure that the PC is connected to the same AP as the phone and enable <Lock PC Sync>.

Left selection key \ominus L Menu > Settings > Security > Enter user password > Lock PC Sync > <Enable > set the password for Web Configuration Tool.



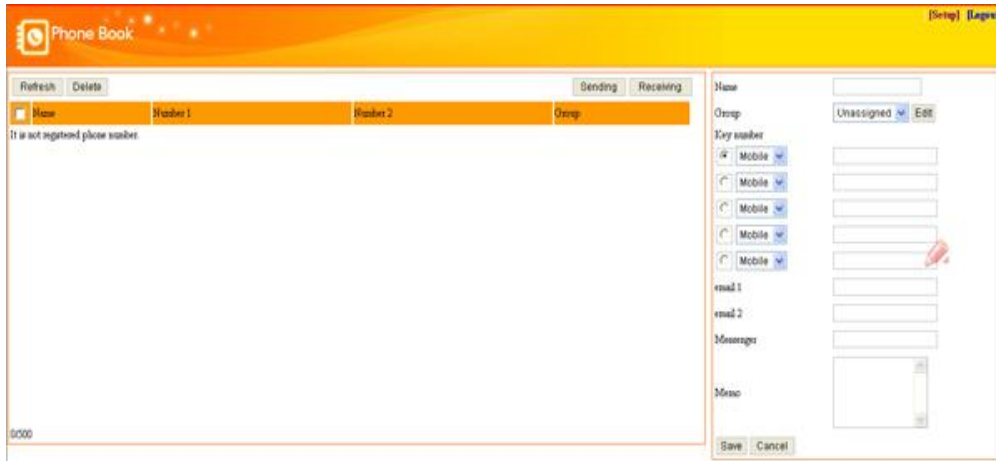
1. Enter the phone's IP address:8080 in the address bar of the PC's Web browser and press <Enter>.
2. Follow the screen prompts to enter the password for the Web Configuration tool and then click <OK>.

3. You can store frequently used phone number and names in the phonebook. You can also import or export saved information between the PC and WPU-7700.

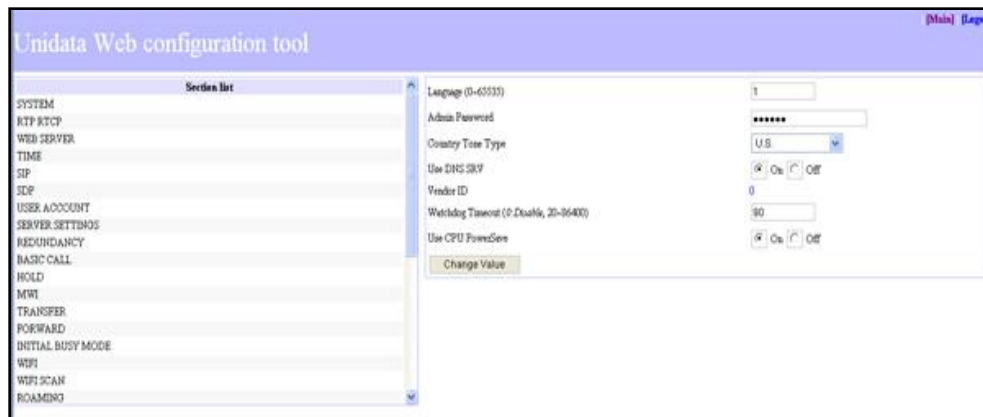
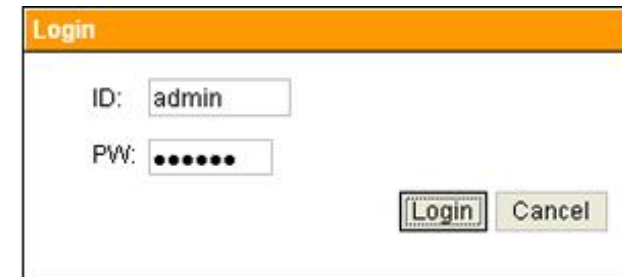


PC Sync

4. After displaying the Web Configuration Tool, click the <setup> button above the right side.



5. Follow the screen prompts to enter the user name (admin) and password for administration and then click <OK>.



To define the settings, please refer to appendix file of the administration manual for the configuration entry.

