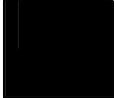


FGD-8900 & AVVIO9000

2005. 08.05



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1

SAFETY INFORMATION

SAFETY INFORMATION FOR FIXED PHONES

For the safe and efficient operation of your phone, observe the following guidelines:

EXPOSURE TO RADIO FREQUENCY (RF) ENERGY

Your wireless telephone is a high power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992)*

NCRP Report 86 (1986)*

ICNIRP (1996)*

★ American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1)

The design of your phone complies with the FCC guidelines (and those standards).

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

PHONE OPERATION

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.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

RF ENERGY INTERFERENCE / COMPATIBILITIES

Note : Nearly every electronic device is susceptible to RF energy interference from external sources if in adequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

MEDICAL DEVICE

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should :

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- Not carry the phone in the breast pocket
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

OPERATIONAL WARNING

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bog deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note : The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel, or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust or, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

BATTERIES

Batteries can cause property damage and / or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects. Use only FGD-8900 & AVVIO9000 original batteries and chargers.

Your battery or phone may contain symbols, defined as follows.

Symbol	Definition
	Important safety information will follow
	Your battery or phone should not be disposed of in a fire
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash

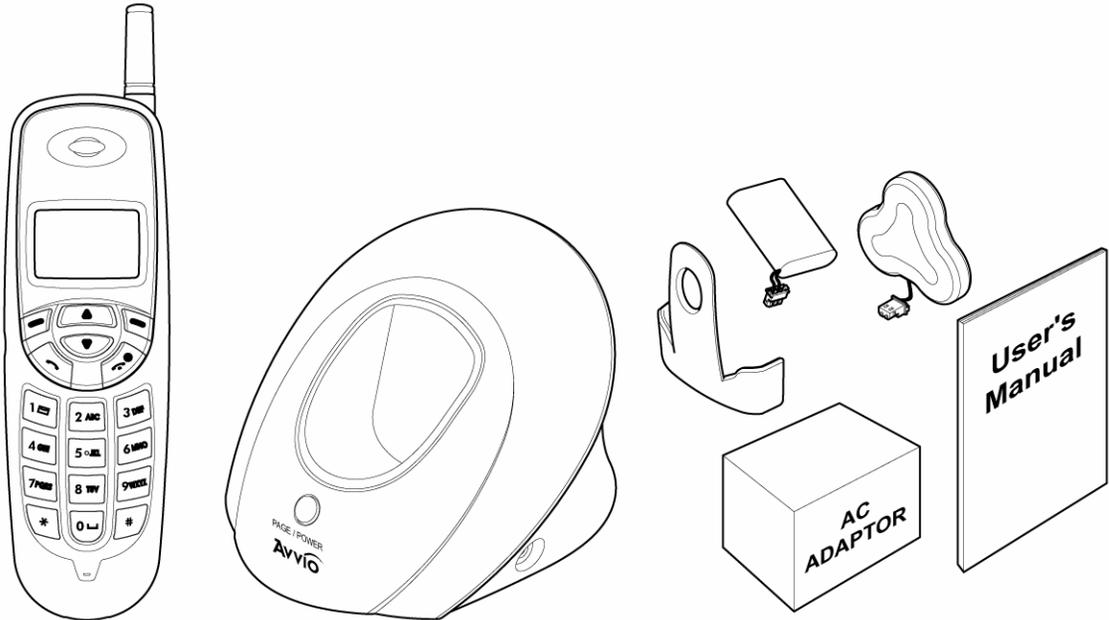
Seizures / Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

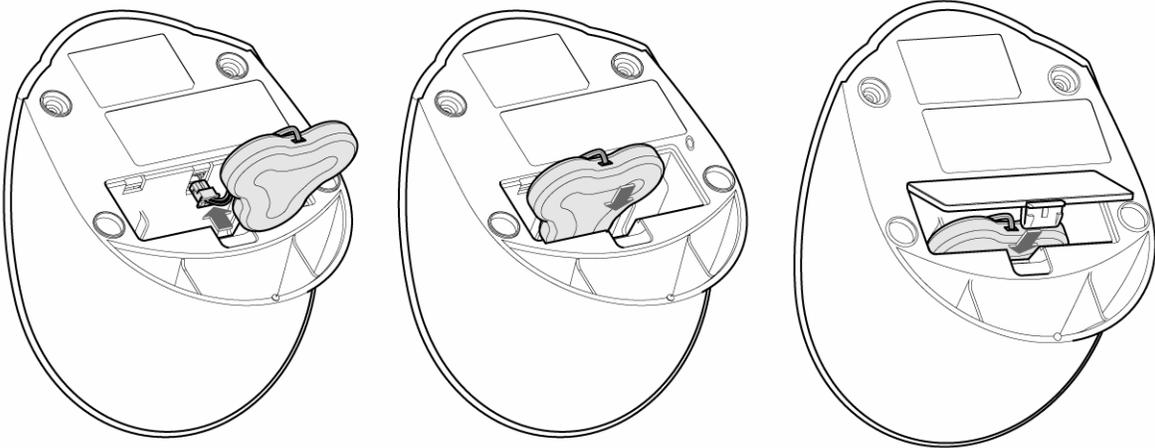
If you experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor.

2

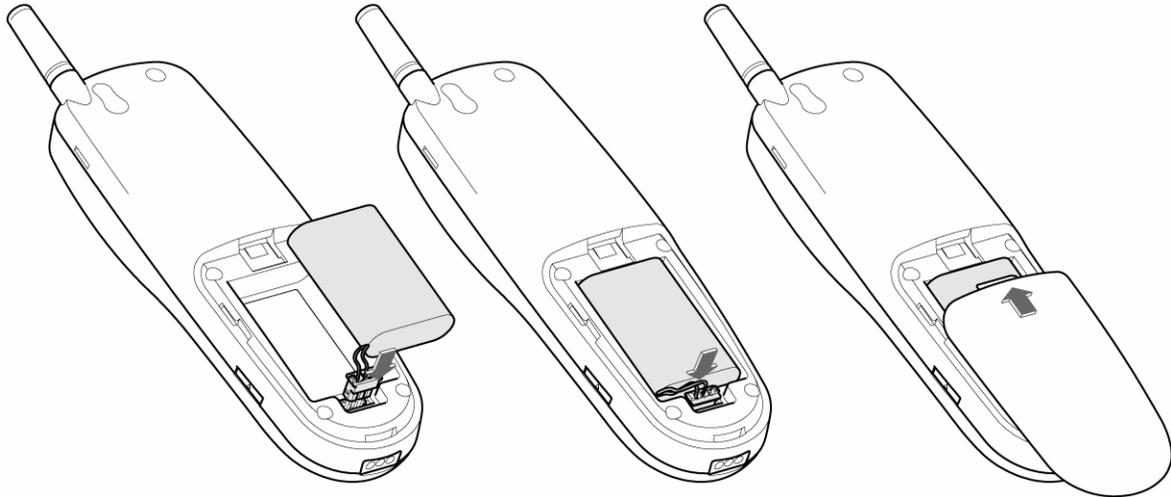
PREPARE YOUR PHONE FOR USE



2.1 Install Battery - Base



- Handy



Note : To use when sudden power failure, the base battery shall be installed at all times. Charge after you insert the battery to the handset.

Caution : To prevent injury or burns, do not allow metal objects to contact the battery terminals. Do not disassemble. Use only the original batteries. Batteries must be disposed of properly.

2.2 Charge the battery

Caution : At initial charging, phone should be charged at least 4 hours. After charging, handset will display “Charging Complete”.

2.2.1 Base

- ① Connect the lead from the charger to the side of the Base.
- ② Connect the charger to an AC wall outlet.

Note : When you turn on the power, red LED is on. If the handset is on the base, blue LED is on, which shows charging status.

2.2.2 Handy

- ① Put the handset on the base and check if charging indication appears on the screen.
- ② If the battery is totally discharged, it may take a few minutes before the charging indication appears on the screen.
- ③ When the battery indicator box fully colored and the phone displays “Charging Complete” text, it means battery is full charged. Charging time depends on a charger and battery used.

3.1 Install SIM card

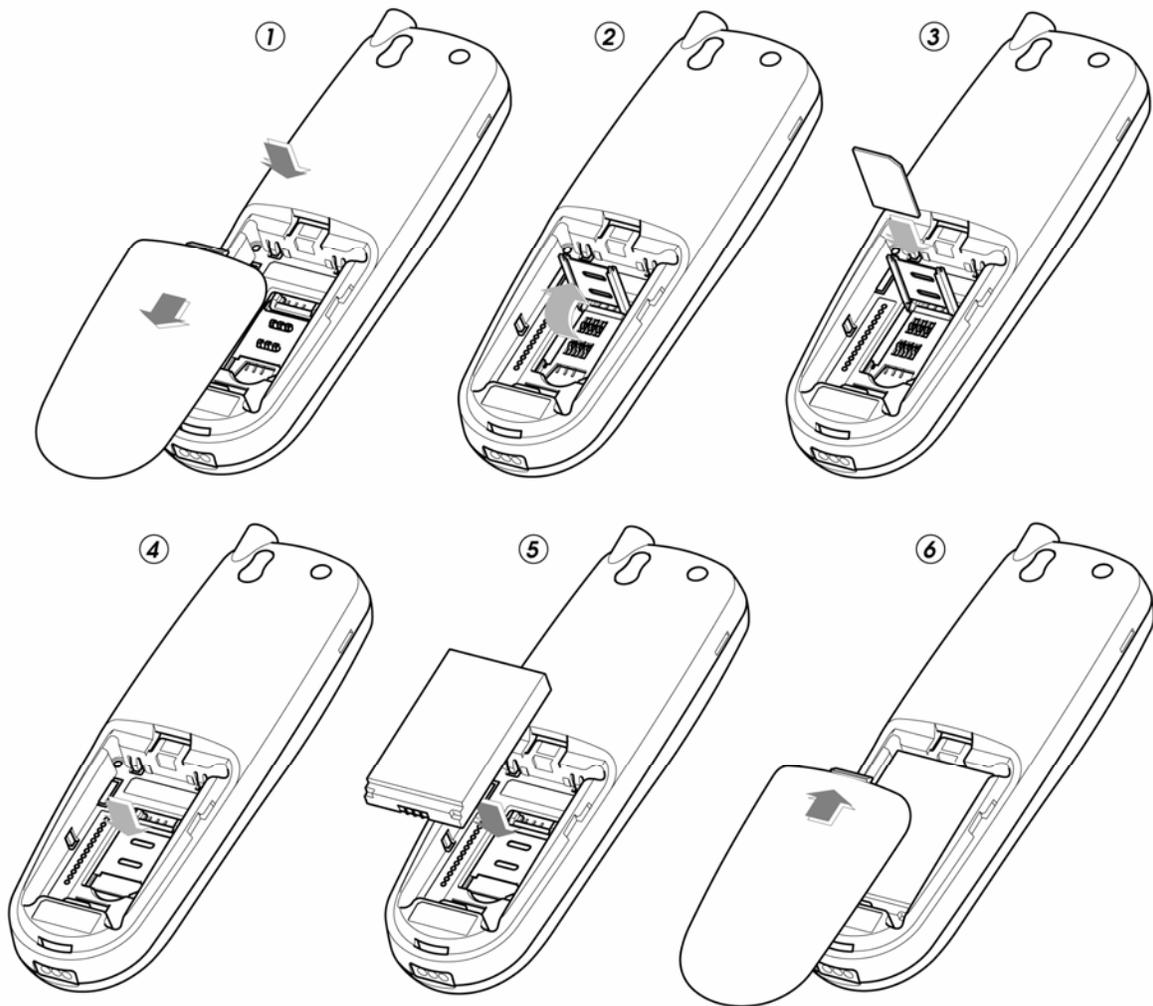
Your SIM (Subscriber Identity Module) card contains your phone number, service details, and memory for storing phone number and message.

Caution :

- ① SIM card for this Fixed Wireless Phone is prohibited to use in other GSM mobile phones. Once SIM pin number is entered, SIM pin is automatically changed so initial PIN is no longer valid. Therefore, it is highly recommended not to take out the SIM card once it is installed in this product.
- ② DO not bend or scratch your SIM card, and avoid exposing it to static electricity, water, or dirt.

3.2 How to install

- ① Push down release latch, slide back cover down, and remove.
- ② Slide SIM card door to upper and lift open.
- ③ Insert SIM card into tray.



④ Close SIM card door and slide to down to lock.

⑤ Insert battery.

⑥ Close the battery door.

3

FEATURE HIGHLIGHTS

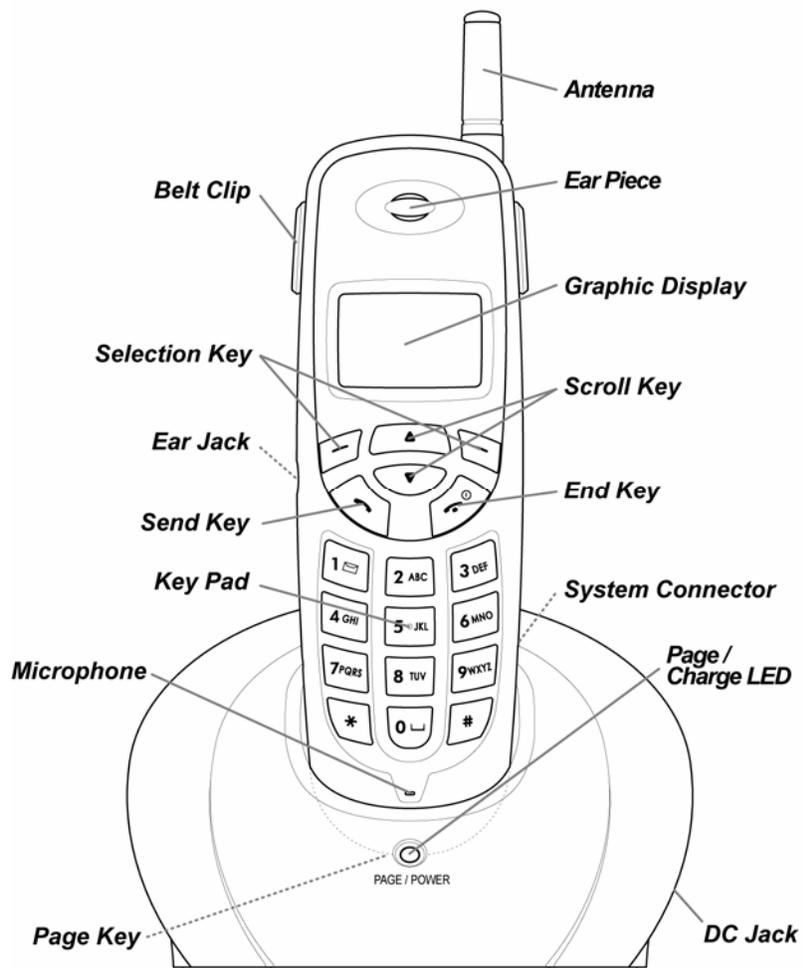
- Dial tone generation
- Auto Dialing
- Auto answer
- Voice mail
- Short Message Service
- Long Message Service upto 450 characters
- Emergency call
- Call logs
- Call restriction
- Caller ID
- Clock with alarm
- Calculator
- Cordless function (Out of range display and warning tone)
- Blue back light for LCD and keypad
- Multiple ring tones
- Adjustable ring tone
- Profile setting
- Pager button
- Graphic display
- Multi language (English, Spanish, Portuguese)
- 200 phone book memory
- Antenna bar
- Battery bar
- Ear phone / microphone jack
- Keypad lock

4

ABOUT THE PHONE

This phone operates in a different band. It supports dual band (850MHz / 1900MHz) or dual band (900MHz / 1800MHz)

4.1 Name and function



4.2 Key functions

4.2.1 Menu / Selection / Name key

- Press to perform the function (menu) indicated by the text on the screen above the key.
- Press right key to directly enter phone book list.

4.2.2 Send key

- Press to make a call to name / number shown on the screen.
- Press to answer a call.
- Press once to enter the list of recently dialed numbers.

4.2.3 End key

- Press to end a call.
- Press once to exit a function and to return to the start screen.

4.2.4 ~ , , ,

- Used for entering numbers and letters.
- Press and hold  to call the voice mailbox.
- Press  to toggle between upper case, lower case and numeric modes.

4.2.5 Scroll keys

- Press to increase the earpiece and ring volume.
- Press to decrease the earpiece and ring volume.

4.2.6 Using the selection keys

The functions of the selection keys depend on the guiding texts shown above the keys.

For example, when the text **MENU** is above the left selection key, press  this key enters the menu functions.

Similarly, pressing the right selection key  under the text **NAMES** accesses the phone book functions.

4.2.7 Using the scroll keys

The phone has two scroll keys,  and , located just below the screen. The scroll keys have up and down arrows on them; press these to scroll through the phone's menus.

4.3 About display indicators and icons

The display indicators and icons inform about the operation of the phone.

4.3.1 Start screen

The start screen displays when the phone is turned on. Several features can be used only when the phone is at the Start Screen.

4.3.2 Scroll bar

When you access the phone's menu, there is a scroll bar at the far right of the screen. This bar indicates user's location in the menu: each "tab" on the bar represents a different menu item.



4.4 Indicators and icons

On your phone, you have two types of identifiers: indicators and icons. Icons are graphical representations of a specific item or situation. For example, an icon appears when you have a voice message waiting to be heard.

Indicators show the status of something. The phone uses three types of indicators:

- Signal strength indicator: This indicator shows the signal strength of the wireless

network at your current location. The higher the bar, the stronger signal. 

- Ringer volume indicator: When you press  key once during stand by, you are able to enter the ringer volume adjustment. Scrolling up and down key adjust s ringer volume higher or lower.

The list below shows what each icon means.



You have an active call.



You have a missed call.

You have one or more new voice messages waiting.



You have one or more unread text messages waiting.



Any alpha characters you enter will be uppercase (capital letters). Press  to switch to lowercase.



Any alpha characters you enter will be lowercase.

Press  to switch to numeric mode.



You are in numbers mode. After switching to this numbers mode, you cannot enter any alpha characters. You can enter only numbers.



The alarm clock is set.



Charger indicator



Ring



Mute



Keypad lock



Missed call



Line switch. Line 1

5

BASIC OPERATIONS

5.1 Switch the phone ON and OFF

Case 1 :

- To turn the phone on, press and hold the  until the phone displays “Avvio” on the screen.
- To turn the phone off, press and hold the 

5.2 Make a call

Case 1:

- ① Deactivate the Keypad, if it is on.
- ② Enter the phone number including the are code and press 
- ③ Press  to end the call or to cancel the call attempt. If handy is placed in a base, call is automatically terminated.

Note : *The phone may generate heat during longer calls.*

Case 2:

- ① Press  to hear Dial tone
- ② Enter the phone number including the area code and press 
- ③ Press  to end the call or to cancel the call attempt. If handy is placed in a base, call is automatically terminated.

Note: The number is automatically dialed 6 seconds later you press the number without pressing. 

5.3 Answer a call

Case 1:

- ① When the handy is resting in its base, lift the handy.
- ② The ringing will stop and talk icon  will appear in the display.

Case 2:

- ① When the handy is out of base (cradle), and the phone rings, press any key to answer a call.

5.4 Adjust the Volume

5.4.1 Adjust the ring volume

You can adjust the ring tone volume by pressing the scroll keys on the phone.

- Press  to go into ring volume control screen
- Press  to increase the volume.
- Press  to decrease the volume.

5.4.2 Adjust earpiece volume

You can adjust the earpiece volume during a call by pressing the scroll keys on the phone.

- Press  to increase the volume.
- Press  to decrease the volume.

5.5 Redial the last-dialed number

The phone stores up to 10 recently dialed numbers. Stored numbers may be up to 20 digits long.

- ① Press  for about two seconds to find the most recently dialed numbers.
- ② Press  or  to scroll to the number you wish to dial.
- ③ Press  once.

Note: If no recently dialed numbers are stored, you are not able to use this function.

5.6 Caller ID

Caller ID is a network service that identifies incoming calls. Contact your service provider to find out how to get this feature.

When Caller ID is active, your phone shows the caller's phone number during an incoming call, as long as this number is a part of your service provider's wireless network.

The wireless network lets you know if it does not recognize the caller's phone number. The wireless network will also let you know if the calling party has blocked the Caller ID feature.

If you have stored the name and number of the calling party in your phone book and that number is supported by the wireless network, the caller's name can also appear.

5.7 Out of Range display and warning tone

If handy is out of range from the base, display shows "Out of Range". In this state, you are not able to make and receive a call and SMS function is not working.

① Standby

If handy is far away from the base, the handy displays "Out of Range" on the screen, and generates "Out of Range" warning beep sound every 2 minutes. This tone lasts for 20 minutes until you close to the base. If you try to make a call during this state, handy generates error beep sound and display "Hand-Out of Range".

When handy is close to the base, "Out of Range" disappears.

② During a call

During a call, if handy is far away from the base, the handy displays "Out of Range" on the screen and generates "Out of Range" warning beep sound every 3 second. You can continue the call if the handy closes to the base within 15 seconds after beep sound started. If not, call is automatically dropped.

Note : Exceptionally, you can make an emergency call although the handy is "Out of Range" from the base.

5.8 Paging

Press the page button to find out handy. Then, handy beeps.

After you find it out, press any key on the handy to stop the beep sound. From the base, you can also stop the beep if pressing page key one more time.

5.9 Handy and Base ID Settings

Once battery in the handy or in the base is replaced, you must configure ID settings as follows.

- ① Place handy on the base when a charger is connected to the base.
- ② When handy beeps and LED is on, ID setting is completed.

Caution : If ID setting is not properly completed, handy displays “Out of Range”. Retry 5.9 Procedure to properly configure ID settings.

5.10 SMS and Voice Mail

- ① A new SMS or Voice mail arrives when handy is on the base :
 - The back light of the handy is On and the handy displays “New Message(s)” on the screen.
 - The backlight is off if you lift up the handy from the base.
- ② A new SMS or Voice mail arrives when handy is off the base :
 - The handy beeps and backlight is on

6

USE PHONE MENUS

6.1 Navigate menus

A menu is a list of choices you can make. Your phone has 7 main menus. Each main menu contains numerous submenus that allow you to use the phone book, change the ringing tone, and so on. You can use menus and submenus two ways: by scrolling or by using shortcuts.

6.1.1 Scroll through menus

- ① From the Start screen, press **MENU**, and then scroll through the menus using the  and .
- ② Use the scroll and selection keys to navigate the submenus and to return to the Start screen.

6.1.2 Use a shortcut

You can use a shortcut to get to options directly without scrolling through lists.

6.1.3 Exit menu levels

- To return the previous menu level, press **BACK** or **CANCEL**.
- To return to the Start screen, press . No menu setting changes are saved.

6.2 List of Menus

Your phone's menu may differ from the following list, depending on the network services to which you have subscribed and the accessories you are using. If you have any questions, call your service provider.

1. Phone book

1. Search Entry
2. Add New Entry
 1. To SIM
 2. To Phone
3. Delete All
 1. From SIM

- 2. From Phone
- 4. Copy All
 - 1. From SIM
 - 2. From Phone
- 5. Owner Number
- 6. Memory Status
- 2. Messages
 - 1. Write Message
 - 2. Inbox
 - 3. Outbox
 - 4. Template
 - Call Me Now
 - How about lunch?
 - Be right back
 - I am busy now...
 - Sorry
 - Thanks you
 - How was the day?
 - “Long time, we met”
 - Lots of luv
 - How are you?
 - 5. Message Settings
 - 1. Profile Setting (MSC number, Validity, Type)
 - 2. Common Setting (Delivery report, Reply Path)
 - 3. Memory Status (SIM, Phone)
 - 6. Voice Mail
 - Number
 - Erase
 - Connect to Voice Mail
 - 7. Broadcast Message
 - 1. Receive Mode (ON, Off)
 - 2. Languages (all languages, English)
 - 3. Channel (Select, Add, Edit, Delete)

3. Call History
 1. Missed Calls
 2. Dialed Calls
 3. Received Calls
 4. Delete Call Log
 1. Missed Calls
 2. Dialed Calls
 3. Received Calls
 4. Delete All
 5. Call Time
 1. Last Call Time
 2. Total Sent
 3. Total Received
 4. Reset All time
 6. Call Cost
 1. Last Call Cost
 2. Total Cost
 3. Reset Cost
 4. Max Cost
 5. Price Per Unit
4. Settings
 1. Phone Setup
 1. Time and Date (Set Home City , Set Time / Date)
 2. Language (English, Spanish, Portuguese)
 3. Input Method (Multi Tap ABC, Multi Tap abc, Numeric)
 4. Display (Off, Show date and Time, Show Owner Number)
 5. Contrast
 6. Greeting Text
 7. Auto update of date and time (On, Off)
 2. Call Setup
 1. Caller ID (Set by Network, Hide ID, Send ID)
 2. Call Waiting (Activate, Deactivate, Query Status)
 3. Call Divert

1. All Voice Calls (Activate, Deactivate, Query Status)
2. If unreachable (Activate, Deactivate, Query Status)
3. If No Answer (Activate, Deactivate, Query Status)
4. If Busy(Activate, Deactivate, Query Status)
5. All Data Calls(Activate, Deactivate, Query Status)
6. Cancel All Divert
4. Call Barring
 1. Outgoing Calls
 - All Calls (Activate, Deactivate, Query Status)
 - International Calls(Activate, Deactivate, Query Status)
 - International Except Home (Activate, Deactivate, Query Status)
 2. Incoming Calls
 - All Calls (Activate, Deactivate, Query Status)
 - When Roaming (Activate, Deactivate, Query Status)
 3. Cancel All
 4. Changing Barring PW
5. Line Switching (Line 1, Line 2)
6. Call Time Reminder (Off, Single, Periodic)
7. Auto Redial (On, Off)
8. Closed User Group (Edit, Activate, Deactivate)
3. Network Setup
 1. Network Selection (Automatic, Manual)
 2. Band Selection
 1. 850
 2. 900
 3. 1800
 4. 1900
 5. Dual band (850 and 1900)
 6. Dual band (900 and 1800)
4. Security Setup
 1. SIM Lock (On, Off)
 2. Phone Lock (On, Off)

- 3. Auto Keylock
 - 1. None
 - 2. 5 sec
 - 3. 30sec
 - 4. 1 min
 - 5. 5min
- 4. Fixed Dial
 - 1. Mode (On, Off)
 - 2. Fixed Dial List (Name, Number)
- 5. Barred Dial
 - 1. Mode (On, Off)
 - 2. Barred Dial List (Name, Number)
- 6. Change Pwd
 - 1. PIN
 - 2. PIN 2
 - 3. Phone Lock
- 5. Restore Factory Setting
- 5. User Profiles
 - 1. General
 - 1. Activate
 - 2. Customize
 - 1. Tone Setup
 - 1. Incoming Call (List of Tone)
 - 2. Alarm (List of Tone)
 - 3. Power On (List of Tone)
 - 4. Power Off (List of Tone)
 - 5. Message Tone (List of Tone)
 - 6. Keypad Tone (Silent, Click, Tone)
 - 2. Volume
 - 1. Ring Tone
 - 2. Key Tone
 - 3. Ring Type
 - 1. Repeat

- 2. Ascending
- 4. Extra Tone
 - 1. Warning
 - 2. Error
 - 3. Camp On
 - 4. Connect
 - 5. Connect
- 5. Answer Mode
 - 1. Any Key
 - 2. Lift Answer
- 6. LCD Backlight
 - 1. 5sec
 - 2. 15sec
 - 3. 30sec
 - 4. 45sec

- 2. Meeting
 - 1. Activate
 - 2. Customize (Same as above tree)
- 3. Outdoor
 - 1. Activate
 - 2. Customize (Same as above tree)
- 4. Indoor
 - 1. Activate
 - 2. Customize (Same as above tree)
- 5. Headset
 - 1. Customize (Same as above tree)

- 6. Organizer
 - 1. To do List
 - 2. Alarm
 - 3. Calculator
- 7. Short cuts (example)
 - 1. User Profile

2. Inbox
3. Write Message
4. Missed Calls
5. Received Calls
6. To Do List
7. Alarm
8. Calculator
- 9 Call Divert
10. Search Entry

8. STK

7

ENTER LETTERS AND NUMBERS

You can enter letters, as well as numbers, when storing information into your phone by using your phone's keypad. To enter letters, press the key associated with the letter you wish to enter until it appears on the screen (numbers also appear).

7.1 Enter Letters

When you want to add new names or when you view names in the phone book, your phone automatically switches to the ABC mode and displays the **ABC** icon.

Key	Characters	Key	Characters
	. , ? ! ' " : ; @ _ S 1		P Q R S 7
	A B C 2		T U V 8
	D E F 3		W X Y Z 9
	G H I 4		_ 0 ()+ ¤ _ * = # %
	J K L 5		\ / ~ < > f\$ ¥ § £ ※ [] () ←
	M N O 6		Change letter case

Press a key once or several times to enter the letter(s) you want. For example, press 

three times to enter the letter C. The selection displays.

7.1.1 Edit name

To edit a name in the phone book:

- Use  to scroll the cursor to the left.
- Use  to scroll the cursor to the right.
- Press **Clear** to correct any mistakes.

7.1.2 Change case of letters and numbers

You can switch the mode among uppercase and lowercase letters and numbers by pressing



8

USE THE PHONE BOOK

8.1 About the phone book

New entries can be stored in SIM card or in your handset.

You can store up to 100 entries in the phone and additional 100 in SIM depending on SIM limitation.

Entries stored in Phone allow numbers of up to 30 digits, and names of up to 16 characters.

In standby mode, you can press  Name to enter immediately Phone Book List.

When the number is found pressing Name, you can choose to View, Edit, Delete, Copy, Move and Send message.



8.2 Use phone book menus

The phone book has several menus to select from. These menus appear when you press **Name** and select number. Press  option to select menu. Use   to scroll to the menu you want to use.

- **View** View name and number you selected.
- **Edit** Edit name and number you selected.
- **Delete** Delete single entry you selected.
- **Copy** Delete the complete entry of the selected name.
- **Move** Move name and number to the phone
- **Send Message** Write message and send to the number you selected.

8.3 Search Entry – by name

From Phonebook menu, select Search Entry and press  Ok.

Enter the first 1 or 2 letters of the name you need and press  Search.

Select name using   to scroll and press  option to select menu. Use   to scroll to the menu you want to use.

8.4 Add a new phone book Entry

To create a phonebook entry:

- ① Press **Menu > Phonebook**.

- ② Scroll to [**Add New Entry**] and press **Ok**.
- ③ Press **To SIM** or **To phone** where you want to store the phone entry.
- ④ Press  Edit to chose Name and number
- ⑤ Add Name and number
- ⑥ Press  Ok to complete input
- ⑦ Press **Done** to save the change.

8.5 Delete All

You can delete all phonebook entries :

- ① Press **Menu > Phonebook**
- ② Scroll to [**Delete all**] and press **Ok**.
- ③ Press **To SIM** or **To phone** where you want to delete all phone book entries.
- ④ Press **Ok**
- ⑤ Select **Yes** if you want to delete. Otherwise, select **No** to go back to previous menu.

Caution : Note that this action cannot undone once you perform this feature, all the stored information in your phonebook is deleted.

8.6 Copy All Entries

You can use this function to Copy numbers in the SIM card to your fixed phone, or vice versa :

- ① Press **Menu > Phonebook**
- ② Scroll to [**Delete all**] and press **Ok**.
- ③ Press **From SIM** or **From phone** where you want to copy all phone book entries from.
- ④ Press **Ok**
- ⑤ Select **Yes** if you want to copy. Otherwise, select **No** to go back to previous menu.

8.7 Owner Number

You can check, edit, erase and save your Owner Number :

- ① Press **Menu > Phonebook**
- ② Scroll to [**Owner number**] and press **Ok**.
- ③ Press **option** to chose **Edit** or **Erase**

8.8 Check Memory Status

You can check out memory status for phone book :

- ① Press **Menu > Phonebook**
- ② Scroll to[**Memory status**] and Press **Ok**
- ③ Check the memory status. For example, if you see “36/100”, it means the capacity is 100 entries and there are 36 entries saved.
- ④ Press **Back** to return to phone book menu.

Note : You can send a message from the phonebook menu. Please see 9.2.

9

SEND AND RECEIVE TEXT MESSAGES

You can send or receive text messages with your phone. Text messages that you receive can contain ring tones that you can store on your phone. It supports 450 characters and you can insert Use Template (already installed in your phone) to shorten the editing time.

After complete a message's contents, you can choose to send it out right away, or to save it as a draft.

- Write Message
- Inbox
- Outbox
- Template
- Message Settings
- Voice Mail
- Broadcast Message



9.1 Send a Text Message

You can send a text message to one or more recipients. You can manually enter each recipient's phone number, or you can select the numbers from the phonebook.

Note: The maximum length of a text message differs depending on the capabilities of the network from which it originated. Also, text messages may appear different at different times because messages can originate in networks other than your own.

Contact your service provider for more information about this feature.

- ① Press **MENU > Messages**
- ② Scroll to the **[Write Message]** and press **Ok**.
- ③ You can create the message.
- ④ When you press **OPTIONS**, you can scroll to one of the message options:
 - **Done** Finish creating a message.
 - **Use Template** Use stored message.
 - Call me Now

- How about lunch?
- Be right back
- I am busy now...
- Sorry
- Thank you
- How was the day?
- “Long time, we met”
- Lots of fun
- How are you?

⑤ Scroll to **DONE** and press **Ok**.

⑥ Scroll to send options :

- **Send only** Send message to only one number
- **Save and Send** Save and send message to only one number
- **Save** Save a message as a draft
- **Send to many** Send message to maximum 10 numbers.

Note : You need to enter phone number or search the number from the phone list.

9.2 View Inbox / Outbox

When a message arrived, a pop-up message displays and a new message icon  appears.

You can read it right away, or ignore it and later check it in Inbox.

Outbox stores messages sent and saved.

① Press **MENU > Messages**

② Scroll to the **[Inbox]** or the **[Outbox]** and press **Ok**.

③ From the list, highlight the one you need and press **Ok**

④ When you press **Option**, you can scroll to one of the message options:

- **Reply (Inbox)** Reply the chosen message.
- **Send(Outbox)** Send the chosen message.
- **Forward(Inbox)** Forward the chosen message.
- **Edit** Edit the chosen message.
- **Delete** Delete the chosen message.
- **Delete All** Delete all Inbox or Outbox messages.

- **Use Number** Extract and then dial or save the number(s) embedded in the message.

9.3 Use Template

The template consists of predefined or self-edit canned messages.

- ① Press **MENU > Messages**
- ② Scroll to the **[Template]** and press **Ok**.
- ③ From the list, select one you need and press **Option**
 - **Edit** Edit the original template and continue to compose it. After finish editing, press **Ok** to Save directly.
 - **Erase** Remove the template.

9.4 Message Settings

The configure settings of message include: Profile Setting, Common Setting and Memory status.

- ① Press **MENU > Messages**
- ② Scroll to the **[Message Settings]** and press **Ok**.
- ③ From the list, select one option you need and press **Ok**
 - **Profile Setting** Each profile has a unique set of settings: Profile Name, Message Center (network service), Valid Period (Set the duration that your message is stored at the message center. Select 1 hour, 12 hours, 1 day, 1 week or maximum) and Message Type (Text/Fax/Page/E-mail).
 - ✓ MSC(Message Service Center) No : The SMS Center Number is required to send messages. Ask your service provider for this number.
 - ✓ Validity : Set the period of time the message is stored in the service center. You can set the period for 1 hour, 12 hours, 1 day, 1 week, maximum. When the set period expires, the service center will delete all messages, even if the user does not receive the message.
 - ✓ Type : When you set the message type, the network will convert the message to the type you have set.
 - **Common Setting** Delivery Report (to receive the delivery report informing you when a message is delivered) and Reply Path (lets the recipient of your message send you a reply message through your message center if provided by

your network.).

- **Memory Status** Check out memory status in SIM and in Phone. It shows percentage remaining free space. For example, SIM : 30% means 30% capacity remains in SIM card out of 100%.

9.5 Use Voicemail (Network Service)

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network voicemail box, not on your phone.

- ① Press **MENU > Messages**
 - ② Scroll to the **[Voice mail]** and press **Ok**. If there is no network service numbers listed, “Empty” is displayed; press **Ok** and then select **Edit** to create one.
 - ③ From the list, select one option you need and press **Ok**
- **Empty & Edit** Enter or modify the network service number.
 - **Erase** Delete all pre-saved info of the chosen Voice Mail Server.
 - **Connect to Voice** Dial the network service number and connects you to the voice mail service.

9.6 Broadcast Message (Network Service)

You can receive broadcast message regularly from your service provider.

- ① Press **MENU > Messages**
 - ② Scroll to the **[Broadcast Message]** and press **Ok**.
 - ③ From the list, select one option you need and press **Ok** or **Change**
- **Receive Mode** On/Off.
 - **Languages** Select the languages of the broadcast message. It has two selections All Languages and English.
 - **Channels** You can either Select, Add, Edit or Delete broadcast channels. You can set upto 10 channels which has 3 digits and save those in the SIM. In the factory setting, the default is “Off” so you need to turn it “On” if you want to use this option.

10

USE CALL HISTORY

The Call History keeps track of:

- Missed Calls
- Dialed Calls
- Received Calls
- Delete Call Log
- Call Time
- Call Cost



Note : Your phone can store up to 30 call numbers including missed, received and dialed call.

When you miss a call(s), the message Missed calls,  appears on your phone's screen. You can press **Read** to view Missed Calls list or press **Back** to ignore the message and go back to Standby. The records will be stored in Call History.

You are notified of missed calls only when your phone is turned on in the service area from which the missed call originated.

10.1 Check Missed / Dialed / Received Calls

- ① Press **MENU > Call History**
- ② Select **[Missed Calls]** or **[Received]** or **[Missed Calls]** and press **Ok**.
- ③ From the list of records, select one that you need and press **Ok**
- ④ Screen shows Call Info. Including Number, Date, Time and Counter.
- ⑤ Press **Option** for the following options.
 - **Delete** Delete the chosen record.
 - **Save** Save this number into to SIM Card or to Phone. You can choose to save this entry to the SIM card or to the Phone.
 - **Dial** Dial the chosen number.
 - **Edit** Edit the number and then save it to Phone Book or SIM card. You can chose to save this entry to the SIM card or to the Phone.

Note : In Standby, the icon  indicates there are unread missed call records.

10.2 Delete Call Log

You can choose to delete Missed Calls, Dialed Calls or Received Calls and delete All.

- ① Press **MENU > Call History**
- ② Select **[Delete Call Log]** and press **Ok**.
- ③ Select **[Missed Calls]**, **[Dialed Calls]**, or **[Received Calls]** and press **Ok**.
- ④ Press **Yes** to delete or press **No** to quit.

You can also delete all with selection **[Delete All]** and Press **Ok**.

Caution : Note that this action cannot undone once you perform this feature, all the stored information in your phonebook is deleted.

10.3 Track / Reset Time Records.

In Call time menu, you can check :

- **Last Call Time** Check the duration of the last call.
- **Total Sent** Check the total duration of all outgoing calls.
- **Total Received** Check the total duration of all received calls.

You can select Reset All Time to reset the timer.

- ① Press **MENU > Call History** and **Ok**
- ② Select **[Call Time]** and press **Ok**.
- ③ Scroll to the **[Reset All Time]** and press **Ok**.
- ④ Delete? Message pops up. Press **Yes** to reset or **No** to quit.

Caution : Note that this action cannot undone once you perform this feature, all the stored information in your phonebook is deleted.

10.4 Check / Set / Reset Call Cost.

In Call Cost, you can check:

- **Last Call Cost** Check the cost of the last call.
- **Total Cost** Check the cost of all calls.
- **Reset Cost** Reset the cost record. You need to enter the PIN2 number to use this function.
- **Max Cost** This menu sets the maximum call cost you can use.
 - ① Select Max Cost, then a message appears asking you to enter PIN2 in the screen.
 - ② Enter the PIN2 in the screen.
 - ③ Then, the screen appears where you can enter the max credit.
 - ④ Enter the new max credit.

Caution : if PIN2 is entered incorrectly three times, you cannot start this function. Refer to the section 16, Trouble shooting to solve this problem.

- **Price Per Unit** Enable you to input the current unit price so the phone can estimate the cost. PIN2 code is required.

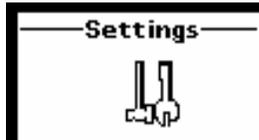
- ① Press **MENU > Call History**
- ② Press **[Call Cost]** and Press **Ok**
- ③ Scroll to the follow options :
 - ① Select **[Last Call Cost]** to view the cost of the last call and Press **Ok**
 - ② Select **[Total Cost]** to view the cost for all calls Press **Ok**
 - ③ Select **[Reset Cost]** and press **Ok**. Input PIN2 code and press **Ok**. Contact service provider for detailed operations if necessary.
 - ④ Select **[Max Cost]** and press **Set**. Input PIN2 code and press **Ok**. Contact service provider for detailed operations if necessary.
 - ⑤ Select **[Price Per Unit]** and press **Set**. Input PIN2 code and press **Ok**. Contact service provider for detailed operations if necessary.

11

SETTINGS

Setting menu includes :

- Phone Setup
- Call Setup
- Network Setup
- Security Setup
- Restore Factory Settings



11.1 Phone Setup

11.1.1 Set Time and Date / Home City

This menu guides you to set Home City, Time/Date.

- **Home City** Set the correct city where you are using this phone, so you can ensure the correction of World Clock.
- **Time/Date** Set the correct date and time to ensure the Alarm is working correctly.

Set Home City :

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Time and Date]**, and then press **Ok**.
- ④ Select **[Set Home City]** and press **Ok**.
- ⑤ Scroll to the city where you are using this phone and Press **Ok**

Set Time / Date :

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Time and Date]**, and then press **Ok**.
- ④ Select **[Set Time / Date]** and press **Ok**.

- ⑤ Press **Change** and use numeric keys to input current date and time and Press **Ok**.
- ⑥ After finishing, Press **Done**
- ⑦ **Save?** message pops up. Press **Yes** to complete or **No** to quit.

11.1.2 Select Language

You can select the language you need. The phones currently support three languages (English, Spanish, and Portuguese)

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Language]**, and then press **Ok**.
- ④ Select the language you need and press **Ok**

11.1.3 Input Method

The chosen input method will be used as the main input method while editing.

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Input Method]**, and then press **Ok**.
- ④ Scroll up and down arrow key to select one method and press **Ok**
 - Multitap ABC
 - Multitap acb
 - Numeric



11.1.4 Change display setup

In Display menu, you can set your favorite Display Characteristic to show Date and time or Owner Number.

Show Date and Time :

You can choose whether to display date and time in Standby screen or not.

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**

- ③ Select **[Display]**, and then press **Ok**.
- ④ Toggle Show Date and Time and press **Ok**

Show Owner Number

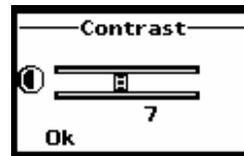
You can choose whether to display your phone number (or name) in Standby screen or not.

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Display]**, and then press **Ok**.
- ④ Toggle Show Owner Number and press **Ok**

11.1.5 Set Contrast

There are 15 levels for LCD Contrast.

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Contrast]**, and then press **Ok**.
- ④ Adjust contrast using ,  and  key
- ⑤ Press **Ok** to complete.



11.1.6 Greeting Text

The Greeting phrase is shown after power-on animation.

On / Off status :

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Greeting Text]**, and then press **Ok**.
- ④ Select On or Off depending on your current greeting text status and press **change**.
- ⑤ Toggle On or Off using  and  key to set Status to On or Off
- ⑥ Press **Ok** to complete.

Change Text :

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Greeting Text]**, and then press **Ok**.

- ④ Press  to highlight the Greeting Text and press **Edit**.
- ⑤ Edit the greeting text and then press **Ok**.

11.1.7 Auto update of date and time

This is a network or subscription dependent service.

If the function is enabled, the phone pops you NITZ(Network Identity Time Zone) messages and inquires you to change the date and time for the phone.

- ① Press MENU > **Settings**
- ② Press **[Phone Setup]** and Press **Ok**
- ③ Select **[Auto Update of date and time]**, and then press **Ok**.
- ④ Toggle On or Off.

11.2 Call Setup

11.2.1 Caller ID

You can choose to send/hide your phone number to/from the calling party.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Caller ID]** and Press **Ok**
- ④ Toggle **[Set by Network]**, or **[Hide Id]** or **[Send Id]** and then press **Ok**.



- ⑤ Toggle On or Off.
 - **Set By Network** Accept the default value set by Network.
 - **Hide Id** Not to show your phone number to the calling party.
 - **Send Id** Show your phone number to the calling party.

11.2.2 Call waiting

Call Waiting is a network or subscription dependent service.

If set to Activate, Call Waiting feature enables the network to remind you other incoming calls during a call in progress.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Call Waiting]** and Press **Ok**
- ④ Select **[Activate], or [Deactivate] or [Query Status]** and then press **Ok**.

- **Active** Activate Call Waiting function.
- **Deactivate** Deactivate Call Waiting function.
- **Query Status** Check current Call Waiting setting status.

11.2.3 Call Divert

Call Divert is a network or subscription dependent service. It allows you to forward a call to another number, based on different conditions.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Call Divert]** and Press **Ok**
- ④ Select One of options below and then press **Ok**.



- **All Voice Calls** Divert all incoming calls when you don't answer.
 - **If Unreachable** Divert all incoming calls when the phone is not reachable due to some network error or other reasons.
 - **If No Answer** Divert the incoming call if it is not answered.
 - **If Busy** Divert all incoming calls when there is at least one call in progress.
 - **All Data Calls** Divert all incoming data calls.
 - **Cancel All Divert** Deactivate Call Divert function.
- ⑤ Select Active, Deactivate or Query Status and press **Ok**.
 - **Activate** Activate the chosen Call Divert option. Type the number you want a call to be forwarded to. You can also chose the number from your phone book pressing **Searching**.
 - **Deactivate** Deactivate the chosen Call Divert option.
 - **Query Status** Check current Call Divert setting status.

11.2.4 Call Barring

Call Barring is a network or subscription dependent service.

This feature allows you to restrict or bar certain or all types of calls to and from your phone.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Call Barring]** and Press **Ok**
- ④ Select One of options below and then press **Ok**.



Outgoing Calls :

- **All Calls** Bar all outgoing calls.
- **International Calls** Bar all outgoing international calls.
- **International Except Home** Prevent users from making any international calls other than to home PLMN.

Incoming Calls:

- **All Calls** Bar all incoming calls.
- **When Roaming** Bar all incoming calls when the phone is roaming.

Cancel All : Password is required.

- ⑤ Select **[Active]**, **[Deactivate]** or **[Query Status]** and press **Ok**.
- **Activate** Aactivate the chosen Call Barring option.
 - **Deactivate** Deactivate the chosen Call Barring option.
 - **Query Status** Check current Call Barring setting status.

Note : To active and Deactive Outgoing, Incoming, and cancel calls, password which is provided by SIM company is required.

11.2.5 Line Switching

This feature allows you to switch different lines base on your needs.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Line Switching]** and Press **Change**
- ④ Toggle **Line 1** or **Line 2** and press **Ok** to switch different lines.

11.2.6 Call Time Reminder

Call Time Reminder alerts every specific time period to remind you the call duration.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Call Time Reminder]** and Press **Ok**
- ④ Toggle One of options below and then press **Ok**.
 - **Off** Set Call Time Reminder to Off.
 - **Single** Reminder beeps once. You have to set reminder time value (1-3000 sec.)
 - **Periodic** Reminder beeps periodically every minute at the number of seconds you set. You have to set reminder time value (30-60 sec.).
- ⑤ For Single and Periodic option, you need to type time value through numeric numbers and press **Ok**.

11.2.7 Auto Redial

Set Auto Redial to On enables the phone to keep trying dialing if the called party is not available.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Auto Redial]** and Press **Change**
- ④ Toggle On or Off and then press **Ok**.

11.2.8 Closed User Group

This feature allows you to program specific call-out and call-in rules. This is especially suitable for use in offices and restrict phones to company use.

You can create up to 5 groups.

- ① Press MENU > **Settings**
- ② Press **[Call Setup]** and Press **Ok**
- ③ Press **[Closed User Group]** and Press **Ok**
- ④ Screen shows Group List. Select one group you need and press **Option** (if there is no group listed, press **Add** to create group list.
- ⑤ Select one of options listed below and press **Ok**

- **Edit** Edit the group name.
- **Add** Add one new group.
- **Activate** Activate the chosen group.
- **Deactivate** Deactivate the chosen group.
- **Delete** Delete the chosen group.

11.3 Network Set up

11.3.1 Network Selection

You can set the phone to automatically search the most suitable network to camp on; or set to manually select the network you need.

- ① Press MENU > **Settings**
- ② Press **[Network Setup]** and Press **Ok**
- ③ Press **[Network Selection]** and Press **Ok**
- ④ Select **[Automatic]** or **[Manual]** and press **Ok**. If **Manual** is selected, the phone starts searching available networks. Use up and down key to find out the network list, and press **Ok** to set the highlighted network.

11.3.2 Band Selection

There are 3 options available: 900, 1800 and Dual Band (900&1800). Or 850, 1900 and Dual Band (850&1900)

- ① Press MENU > **Settings**
- ② Press **[Network Setup]** and Press **Ok**
- ③ Press **[Band Selection]** and Press **Ok**
- ④ Select the option you need and press **Ok**

11.4 Security Setup

There are 6 options available:

- **SIM Lock** Prevent unauthorized use of SIM card.
- **Phone Lock** Prevent unauthorized use of the phone.
- **Auto Keypad Lock** Prevent accidentally pressing the keypad in Standby.
- **Fixed Dial** The phone can dial out only the numbers set in Fixed Dial



list.

- **Barred Dial** The phone cannot dial out the numbers set in Barred Dial list.
- **Change Password** Change PIN, PIN2 or Phone Lock passwords.

11.4.1 SIM Lock

- ① Press MENU > **Settings**
- ② Press **[Security Setup]** and Press **Ok**
- ③ Press **[SIM Lock]** and Press **Ok**
- ④ Toggle On or Off to lock or unlock SIM card
- ⑤ Enter 8 digits PIN number and press **Ok**.

11.4.2 Phone Lock

The default password is “0000”.

- ① Press MENU > **Settings**
- ② Press **[Security Setup]** and Press **Ok**
- ③ Press **[Phone Lock]** and Press **Ok**
- ④ Toggle On or Off to lock or unlock phone.
- ⑤ Enter 4~8 digits password and press **Ok**.

11.4.3 Auto Keypad Lock

If you don't press the key for the certain period of time you set, key is automatically locked in order to prevent accidentally pressing keys.

- ① Press MENU > **Settings**
- ② Press **[Security Setup]** and Press **Ok**
- ③ Press **[Auto KeyLock]** and Press **Ok**
- ④ Toggle None to deactivate Auto Keypad Lock; or select timer duration: 5 sec., 30 sec., 1 min. or 5 min and Press **Ok**

Note : When key is locked, screen shows “unlock” in left bottom side. Press Unlock key then, message “Press # to unlock”. Press # to unlock.

11.4.4 Fixed Dial

Fixed Dial is a network or subscription dependent feature.

- ① Press MENU > **Settings**
- ② Press **[Security Setup]** and Press **Ok**
- ③ Press **[Fixed Dial]** Press **Ok**
- ④ Select **[Mode]** and toggle **On** or **Off** to activate or deactivate Fixed Dial feature.
- ⑤ Enter PIN2 code and press **Ok**.
- ⑥ Select **[Fixed Dial List]** and press **Ok**.
- ⑦ Screen shows FDN List. Press **Add** and then **Edit** to create new entries in FDN list.

Note : Please get PIN2 code from your Network Service Provider.

11.4.5 Barred Dial

Barred Dial is a network or subscription dependent feature.

- ① Press MENU > **Settings**
- ② Press **[Security Setup]** and Press **Ok**
- ③ Press **[Barred Dial]** Press **Ok**
- ④ Contact your service provider for detailed operations to finish Barred Dial setup.

11.4.6 Change Password

This feature allows you to change PIN code, PIN2 code or Phone Lock password.

- ① Press MENU > **Settings**
- ② Press **[Security Setup]** and Press **Ok**
- ③ Press **[Change Pwd]** Press **Ok**
- ④ Select one option you need (PIN, PIN2, Phone Lock) and press **Ok**
- ⑤ Enter the old and new codes and press **Ok**

11.5 Restore Factory Settings

This feature resets the current settings to factory default values. The default password is “0000”.

- ① Press MENU > **Settings**
- ② Press **[Restore Factory Settings]** and Press **Ok**
- ③ Press **[Change Pwd]** Press **Ok**
- ④ Enter 4 digit password and press **Ok**

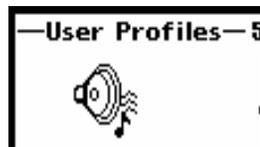
12

USER PROFILES

This feature enables you to customize each profile to suit your needs such as ring style, ring volume, LCD backlight. You may select different profiles depends on different environments.

User Profiles are available:

- General
- Meeting
- Outdoor
- Indoor
- Headset



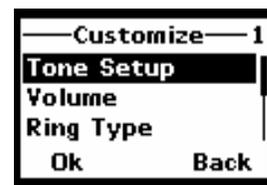
12.1 Activate a Profile

- ① Press MENU > **User Profiles** and Press **Ok**
- ② Select one profile and press **Option**
- ③ Select **Activate** and Press **Ok**
- ④ Enter 4 digit password and press **Ok**

Note : If you want to activate Headset, you need to insert headset first.

12.2 Customize a Profile

- ① Press MENU > **User Profiles** and Press **Ok**
- ② Select one profile and press **Option**
- ③ Select **Customize** and press **Ok**
- ④ Select each of the following items and press **Ok** to modify the values.



- **Tone Setup** Set tones
- **Volume** Set volume
- **Ring Type** Set ring type for repeat or for ascending
- **Extra Tone** Set additional option for tone in a specific phone's behavior
- **Answer Mode** Set Answer mode pressing any key or answer once handy is picked up from base.

- **LCD Backlight** Set Specific LCD and Keypad Backlight time.

12.2.1 Tone setup

Sets tones for Incoming Call, Alarm, Power On, Power Off, Message Tone and Keypad Tone.

Note : For each set tone setup, you can choose one from 10 sing Rings and 6 MIDI tones.

12.2.2 Volume

7 volume levels are available for Ring Tone and Key Tone. Adjust the volume per your preference.

12.2.3 Ring Type

You can set the ringer to play repeatedly or to play in ascending.

- ⑤ Select **[Ring Type]** and Press **Ok**
- ⑥ Toggle **Repeat** or **Ascending** and Press **Ok**

12.2.4 Extra Tone

Extra Tone includes Warning, Error, Camp on and Connect tones.

- ⑤ Toggle On or Off to following options to mark or clear the check box and press **Done**. If Camp on is set to On, the tone rings when camp on a network. If Connect is set to On, tone rings when an outgoing call is established successfully.
 - Warning
 - Error
 - Camp on
 - Connect

12.2.5 Answer Mode

This allows user to set answer mode. If any key is marked, user can answer an incoming call pressing any key. If lift answer is marked, when handy is in a cradle, if user picks up handy, call can be automatically answered without pressing any key.

- ⑤ Select **[Answer Mode]** and Press **Ok**
- ⑥ Toggle **Any Key** or **Lift Anser** and Press **Ok**

12.2.6 LCD backlight

Set Specific LCD and Keypad Backlight time.

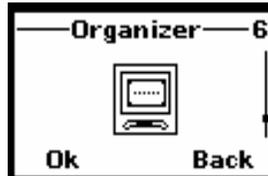
- ⑤ Select **[LCD Backlight]** and Press **Ok**
- ⑥ Toggle **5 sec, 15sec, 30 sec** or **45sec** and Press **Ok**

13

ORGANIZER

Organizer includes :

- To Do List
- Alarm
- Calculator



13.1 View / Edit / Add Tasks

You can memorize the date, time and task as an alarm.

- ① Press MENU > **Organizer** and Press **Ok**
 - ② Select [**To Do List**] and press **Ok**
 - ③ Press up and down key to browse the list. Highlight the task you need and press **Option**. The following options is shown.
- **Add** Add new task. Press **Change** and Input Date, Time, Note, set Alarm(On, Off, Once, Every Day), and then press **Done** and **Yes** to save the new added task.
 - **Edit** Edit the current task Press **Change** and Input Date, Time, Note, set Alarm(On, Off, Once, Every Day), and then press **Done** and **Yes** to save the modifications
 - **Delete Task** Delete the chosen task.
 - **Delete All** Delete all tasks.

13.2 Alarm

When Alarm is set, the icon  appears on Standby screen.

- ① Press MENU > **Organizer** and Press **Ok**
- ② Select [**Alarm**] and press **Ok**
- ③ Press **Change** to select On, Off, Once, and Everyday. Toggle one of them and press **Ok**.
- ④ Select alarm time and Press **Change**
- ⑤ Set time you wish to alarm using numeric keys and Press **Ok**

- ⑥ Press **Done** and **Yes** to save the alarm time.

13.3 Calculator

You can calculate upto 8 digits.

Key description:

+, -, /, x : Use up and down arrow keys to select.

Back  / Clear : Press once to clear one digit. Hold to clear all values except memory values.

- ① Press MENU > **Organizer** and Press **Ok**
- ② Select **[Calculator]** and press **Ok**
- ③ Start calculation

14

SHORTCUT

You can directly enter the menu that you want to use using shortcut function.
Maximum 10 menus can be selected in shortcut list.

How to use :

- ① Press down arrow key 
- ② Shortcut list shows in the screen
- ③ Select the menu you want and Press **Ok**
- ④ You can continue to follow procedure after entering to the menu you selected.



How to edit :

- ① Press MENU > **Shortcut** and Press **Ok**
- ② Total 10 shortcuts shows in a screen
- ③ Select the one which you want to edit or delete and Press **Edit**
- ④ Screen changes to show total 25 lists.
- ⑤ Select the one you want to add in the shortcut list and Press **Ok**

SIM Application Toolkit has been agreed and incorporated within the Global System for Mobiles (GSM) standard.

SIM Application Toolkit is designed as service application. Some services that the customer can have: Phone banking, information service, stock trading, mobile data and fax, etc.

Further details please contact with your network service provider.

16.1 Emergency Calls

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. Therefore, you should never rely solely on any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls, the phone must be switched on and be used in a service area that has adequate signal strength. Emergency calls might not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

16.1.1 Make an emergency call

① Enter the emergency number for your present location (for example, 911 or any other official emergency number emergency numbers vary by location).

② Press .

If certain features are in use (Keyguard, restrict calls, and so on), you might first need to turn those features off before you can make an emergency call. Consult this guide and your local cellular service provider.

When making an emergency call, remember to give all of the necessary information as accurately as possible. Remember that your wireless phone might be the only means of communication at the scene of an accident do not terminate the call until given permission to do so.

16.2 Troubleshooting

16.2.1 No service

If you are outside the wireless service area, No service will display on your phone. No calls can be made or received, however, emergency calls may still be possible.

16.2.2 What if the call does not go through?

Your phone can make and receive calls only when it is switched on and in the wireless network's service area.

No service means that you are probably outside the wireless service area. No calls can be made or received.

This number is restricted means calls to the phone number you tried to call are restricted

12.2.3 Check these points to ascertain if the phone is broken or not.

Symptoms		How to Solve the problem
Phone does not immediately turn on after plugging in charger after extended period of non-use.		It may be necessary to charge for up to 4 hours to recharge the battery enough to turn the phone on. Charge battery as long as needed until phone turns on.
When this message appears on the screen	SIM Invalid	Check whether you have inserted the SIM card in the phone, and whether you have inserted it correctly.
	Enter PIN	PIN is set by the user to prevent others from using this phone. In this case, enter your PIN.
	Enter PUK	This message appears when the PIN is incorrectly entered three times in a row. At this time, enter the PUK you received when you purchased the SIM card in order to use your phone again. If the PUK is incorrectly entered more than 10 times, your SIM card will be permanently blocked, and you need to purchase a new SIM card.
Message "Searching" is displayed along with "No Network or" and a signal strength icon.		<ul style="list-style-type: none"> • When this happens in a service area, turn the power off wait 2~3 minutes, and then turn the power on again. • If this continues for some time without reason, contact the service center nearest you.
You cannot make a call even though you have entered the		<ul style="list-style-type: none"> • Check whether you are in a service area. (If you are not in a service area, a signal strength icon will be

<p>number and pressed the Send button</p>	<p>displayed on the screen)</p> <ul style="list-style-type: none"> ● Check whether you have set Outgoing Calls to be barred. If this function is set, you cannot make a call. (You can check All Outgoing menu in the Call Barring menu of the Security menu)
<p>No Incoming Calls from others</p>	<ul style="list-style-type: none"> ● Check whether you are in a service area. (If you are not in a service area,  will be displayed on the screen). ● Check whether you have set Incoming Calls to be barred. If this function is set, you cannot receive calls. (You can check All Incoming menu in the Call Barring menu of the Security menu)

1. Specific Absorption Rate Data

The model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency(RF) energy set by the Federal Communications Commission(FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless fixed phone employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limits set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC. The highest SAR value for this model phone when tested for use at the ear is 0.551W/kg(GSM850 Band) and 1.000W/kg(PCS1900 Band), and when worn on the body, as described in this user guide, is 0.348W/kg(GSM850 Band) and 0.847W/kg(PCS1900 Band).

While there may be differences between the SAR levels of various phones and at various positions, they all met the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products ; in all cases, products are designed to be within the guidelines.

2. Body-worn Operation

For body-worn operation, the SAR testing of the device was performed using a 0.8 cm air gap, which corresponds to using clips and holsters that contain no metallic components and meets FCC RF exposure guidelines. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure compliance and should be avoided.

Weight	Handy : 168.0grams(0.37 lbs) Base : 153.5 grams(0.33 lbs)
Size (H x W x D)	Handy : 160.3mm(H) x 50.0mm(W) x 34.8(T) (Antenna adds 27.0mm to the height) 5.31”(H) x 1.96”(W) x 1.37”(T) (Antenna adds 1.06” to the height) Base : 83.2mm(H) x 125.0mm(W) x 133.7mm(T) 3.27”(H) x 4.92”(W) x 5.26”(T)
Wireless Networks	GSM 850 & 1900
TX Frequency Range	824 ~849MHz 1850 ~1910MHz
Back up Battery	3.6V 280mAh rechargeable battery