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# **USER MANUAL VC-5D & VT-5D**

**Version 0.4**

**VACOM WIRELESS, INC.**

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## IMPORTANT SAFETY INFORMATION

Some of the following information may not apply specifically to your phone. However, as with any electronic product, these safety precautions should be observed when using this product.

- ◆ Please keep this manual in a safe place, for it contains important safety information and operating instructions.
- ◆ Please follow and adhere to all warning, safety, and operating instructions indicated on both the phone and in this manual before use.
- ◆ **Do Not** expose the phone to water or moisture.
- ◆ **Do Not** expose the phone to extreme heat or cold.
- ◆ **Do Not** expose the phone to open flame.
- ◆ **Do Not** allow objects to fall or liquids to spill on the product.
- ◆ Use **Original Accessories** only. Any damage incurred from the use of non-approved accessories will void the warranty.
- ◆ Use approved chargers only and connect to a power source designated on the product.
- ◆ To reduce the risk of injury, remove the electrical cord from an outlet by pulling on the charger, rather than the cord.
- ◆ Ensure that the electrical cord is positioned accordingly so that it will not be vulnerable to damage.
- ◆ To reduce the risk of electrical shock, unplug the phone from the power source before cleaning. Once unplugged, use a soft cloth dampened with water to clean.
- ◆ **DANGER: Do Not** modify the cord or the plug. If the plug does not fit into an outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in electrical shock.
- ◆ **Do Not** attempt to disassemble the product – doing so will void the warranty. This product does not contain consumer-serviceable components. Service should be performed only by authorized service centers.
- ◆ **Do Not** remove the antenna. A detached antenna can be a choking hazard for children.
- ◆ **Do Not** place the battery inside the mouth. The battery contains toxic electrolytes that are harmful for your health.

## User Guide Proprietary Notice

CDMA Technology is licensed by QUALCOMM Incorporated under one of more of the

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following patents:

4,901,307	5,109,390	5,267,262	5,416,797	5,506,865
5,544,196	5,657,420	5,101,501	5,267,261	5,414,796
5,504,773	5,535,239	5,600,754	5,778,338	5,228,054
5,337,338	5,710,784	5,056,109	5,568,483	5,659,569
5,490,165	5,511,073			

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# GETTING TO KNOW YOUR PHONE

## **Volume/Scroll Key**

These keys are used to set volume levels, to shot a camera and to help you navigate through menus and the Phonebook.

Use the volume keys to:

- Adjust call volume.
- Adjust key tone volume.
- Answer incoming calls.
- Scroll through menu options.
- Scroll through the Phonebook.

## **Color LCD Display**

The LCD screen is divided into two sections:

- The top line displays your phone status indicators.
- The lower portion displays currently in-use information, such as Caller ID (if available), Mute, Call Waiting, etc. Menus are also displayed in the lower portion.

## **Menu Keys ( · · / --- )**

These keys perform several useful functions:

- Use these keys to answer incoming calls.
- Use these keys from Standby mode to briefly access Main and Select menus.
- Use these keys to select a highlighted selection when navigating through a menu.

## **SMS Key ( --- )**

From Standby mode, press this key to access a text message menu items.

- Press this key to answer incoming calls.

## **Navigation Keys**

These keys allow you to navigate the phone's various features and useful shortcuts including a camera, BREW, WAP, phone number list, etc.

## **Camera ( ) Key**

From Standby mode, press this key to access a camera. Then you can take a photo with your phone.

## **Microphone**

Your typical conversational microphone. Mute the microphone during conversation by pressing "MENU" "2".

## **Accessory Port**

Connect your charger here.

## **CLR Key**

This key is used to erase incorrect numeric or character entries or to return to a previous screen.

- To erase a single character from the screen, briefly press the CLR key



- 
- once.
- To erase the entire entry field, hold down the CLR key for one second.
  - To back up one menu level, press the CLR key once.
  - To return to standby, hold the CLR key for one second.
  - During a call, press the CLR key to adjust the earpiece volume.



### **(END) Key**

Press this key to end calls or to return to Standby mode from any menu. Press and hold to turn the phone On or Off.



### **(SEND) Key**

This key performs several useful functions:

- Press the Send key to dial an entered number.
- Press the Send key once to redial the last outgoing number.

### **Numeric Keypad**

These keys are used to input numbers and characters.



This key performs several useful functions:

- Toggle between ring and vibrate.
- Use as a navigation key.



This key performs several useful functions:

- Use to lock the keypad. To unlock, press MENU (••) and “#▶”.
- Use as a navigation key.

### **Antenna**

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## DISPLAY INDICATORS

Display indicators appear across the bottom of your phone's LCD screen. Combination of displayed indicators, or icons, will vary based on your phone's operating status.



**Signal Strength:** This icon displays the current signal strength. Each additional line indicates greater signal strength, where five lines indicate the maximum signal strength.



**Out of Service:** This icon indicates an absence of signal and that you may be outside the service area. If this icon is shown, calls cannot be either received or made until a signal is found.



**In Service**



**Roaming:** This icon indicates you are "roaming" in another carrier's service area. However, you must register for roaming services.



**In CDMA 1X network**



**New SMS Message:** This icon indicates unchecked message(s) in your Message Box. Press the SMS Menu key to view the Message menu or press and hold the key to access the Voicemail Box.



**SMS Message Box Full**



**New MMS Message :** This icon indicates unchecked Multimedia message(s) in your Message box. Press "Menu" and "3. MMS" to view the Multimedia message menu.



**MMS Message Box Full**



**New SMS and MMS Message**



**New SMS message and MMS Message Box Full**



**New MMS message and SMS Message Box Full**



**Etiquette Mode:** This icon indicates that the phone will vibrate instead of ringing when an incoming call is received. This feature is convenient for situations when you don't want your ringer to disturb anyone.



**Alarm On:** This icon indicates that the alarm has been set.



**Battery Strength:** This icon displays the current level of the battery. The more bars you see, the greater the charge. Zero bars indicate critically low battery status, as additionally indicated by a flashing alert.



**Full Charge**



**Empty Charge**

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## BATTERY INFORMATION

The rechargeable Lithium-polymer battery included in your kit is partially charged so that you can use the phone immediately once it has been activated.

### **Attaching the Battery**

To attach the battery to your phone:

1. Lineup the metallic contacts on the base of the battery to the base of the phone.
2. Place the battery on the back of the phone, with the top of the battery about a quarter of an inch from the latch.
3. Gently slide the battery towards the top of the phone until it snaps into place.

### **Charging the Battery**

You can tell whether your battery needs to be recharged or not by checking the upper-right corner of your phone's display.

When the battery charge level becomes low, the battery sensor will alert you by blinking the battery icon and making an audible warning tone. The phone will automatically power itself off if the battery level becomes critically low, and any incoming or outgoing call will disconnect. To avoid such disconnection, be mindful of the battery strength indicator and make sure your battery is sufficiently charged.

### **Charging with a Travel Charger**

Using an unauthorized accessory may be dangerous and will void the warranty if it causes damage to the phone.

#### **To charge the Battery using a Travel Charger:**

- Plug the power cord of the charger into a wall outlet.
- Insert the charger's connector to the bottom of the phone.

Note) Ensure a proper connection of the charger and the phone. Incomplete connection may cause damage to the phone.

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A completely discharged standard sized battery charges full in approximately tbd hours. Extended battery charges in approximately tbd hours. Leaving your phone powered on during charging or charging two batteries simultaneously will increase charge times. Leaving the battery connected to the charger after it has been fully charged will not harm the battery.

### **Turning your phone on and off.**

When you're ready to turn on your phone, press and hold "END/📞" until the display is turned on and the phone makes the sound. When the phone has found a signal, the "📶" icon appears. Once the phone is turned on, it enters Standby mode and you are able to make and receive calls.

To turn your phone off, press and hold "END/📞" until the display is turned off and the phone makes the sounds. Then the display will go blank. When the phone is turned off, nothing is displayed on screen.

Note: If "END/📞" is pressed for less than one second, the phone will not be turned off. This function prevents your phone from being turned off accidentally.

### **Standby Mode.**

Standby is the most basic state of your phone. The phone goes into standby mode soon after you turn it on, or whenever you briefly press "END/📞". When your phone is in Standby Mode, you will typically see the banner (that's the message displayed when you turn on your phone). If you enter a phone number, you press "SEND" to complete the call, or press "STO (· ·)" to save it in the internal phone book.

### **Power Save Mode**

Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 15 minutes of searching. While this feature is active, the phone's battery power is conserved.

The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display will let you know when the phone is operating in Power Save Mode.

### **Conversation Mode.**

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You can place and answer calls only when your phone is turned on. During a call, the phone is in Conversation Mode.

### **Battery Lifetime**


	Bateria	Tiempo de conversacion	Tiempo de reserva
Cellular digital	3.7V Li-ion 900mAh	Desde TBD min hasta TBD min	TBD hrs hasta TBD hrs
PCS	3.7V Li-ion 900mAh	Desde TBD min hasta TBD min	TBD hrs hasta TBD hrs
Analogo	3.7V Li-ion 900mAh	Desde TBD min hasta TBD min	TBD hrs con TBD min hasta TBD hrs con TBD min

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# BASIC FUNCTIONS

## 1. Making Calls

To place a call:

Press and hold  to power your phone on, as indicated by icons that appear on screen.


Enter the phone number (up to 32 digits) using the keypad. The phone number is displayed from left to right.

Press . The phone attempts to connect to the entered phone number (if service is available).

You can also make calls from:

Your Phonebook or by using Speed Dial keys (see “II. Phonebook”).

## 2. Ending Calls

To end a call, press . Call time for the just ended call will display, along with the name and number of the connected party (if available). The phone will then automatically revert back to Standby.

## 3. Answering Calls

To answer an incoming call, press any key. If your phone is registered for Caller ID service, the caller’s phone number will display on screen, and that caller’s name will also appear if the caller’s number recognized in the Phonebook.

## 4. Correcting Entry Errors

Press CLR to erase one character at a time. You can erase the entire entry field by pressing and holding down CLR for one second.

## 5. Storing Phone Numbers

Phone numbers for frequently used services are pre-programmed into your phone. To store a number:

- Press the STO (···) key after entering the number to store.
- Select a type of a phone number by scrolling “◀▶” and press “OK (··)”.
- Press “EDIT (··)” and designate a name. Press “OK (··)” to complete. Scroll “▲/▼” to edit the location number. Once you’ve finish editing, press “OK (··)” to save.
- For more information, see “II. Phone Book”.

## 6. Volume

You can adjust volume of the earpiece by using the volume keys on the side of the phone.

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Briefly press the volume key once to display your current earpiece volume setting. Repeatedly press the volume key to adjust.

### **7. Redialing Last Dialed, Received, or Missed Number**

Up to 20 dialed, received, or missed can be redialed directly. Simply press SEND to:

- Access the call log of 20 call entries in chronological order.
- Then, press the “VIEW (··)” key to see the time and number of the selected call.
- Simply press SEND to redial that number.

### **8. Speed Dial**

Once a phone number is stored in your Phonebook, you can access and dial that number using assigned speed dial keys.


Enter the location number of a stored number. The phone will then automatically connect to that number.

### **9. Using Caller ID.**

This feature informs you of the caller’s identification by displaying their number when the phone rings.

If the corresponding caller’s information is already available in your Phonebook, that caller’s name will appear on screen. Conversely, calling someone who has this feature will disclose your number on their phone. To access the call log, press SEND.

### **10. Etiquette Mode**

In social situations where audible rings, bells, or tones are inappropriate, such as in a movie theater, at a museum, play, etc, your phone can be set on Etiquette mode. All incoming calls under this mode will be notified by inaudible vibration. Press and hold “\* 

### **11. Camera**

Your phone has a built-in camera that can be used for taking pictures. A picture can be sent via the Multimedia Messaging Service (MMS) and also be used as wallpapers in standby mode. You can save your pictures in a compatible PC using the PC Link software.

### **12. Keypad Lock**


You can lock the keypad to prevent the keys being accidentally pressed, for example, when your phone is in your pocket.

- Locking the keypad : In standby mode, press “\*#” for a second.


- 
- Unlocking the keypad : Press “...” and “#” orderly.

To answer a call when the keypad is locked, press any keys.

### 13. Silence Mode


If you want to silence an incoming ring, for example, when you are in a meeting, press “”. Then the incoming ring will be silenced. Then the caller will be noticed that you are not available to answer.

Note 1) Although the incoming ring is silenced, the call is still coming. If you want to answer, press any keys.

Note 2) When you press “” to silence the incoming ring, the caller may be able to leave a voice message or the call may be forwarded to others, which depends on your service provider. Please contact your service provider for available options, such as Voice mail, Call forwarding, etc.

### 14. Shortcut

There are several shortcuts that can be used to directly access useful functions.

- **CAMERA**: Press “” key to access a camera.
- **WAP**: Press and hold “◀” key to access WAP.
- **BREW**: Press “▶” key to access BREW.
- **Phonebook Entry**: Press the “▼” key to view all the phone numbers stored in your Phonebook alphabetically.
- **Short Messaging Service**: Press the SMS (···) button to send or receive messages.



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# MENUS

## I. Interactive

### 1. WAP

You can use your phone to browse the Internet if you have obtained phone Internet services (WAP) from your service provider and if over-the-air Internet access is available in your area. Press “Menu”, “1. Interactovo” and “1. WAP” to start the Internet. Or simply press and hold “◀”.

Note) You cannot receive incoming calls while you are using WAP.

#### a. Searching for a Web site

How you search for a Web site depends on your service provider. Once you access the Internet and scroll “▲” and “▼” to search contents.

#### b. Bookmarking a Web site

Go to the site you would like to bookmark and press “Menu”, “3. Bookmarks”. Select “Mark Site” from the top of the screen.

#### c. Menu Options

The following options may appear on your screen by pressing “Menu” or “◀”;

- “Home” to return you to the main page or home page.
- “Forward” to return you to previous page.
- “Bookmarks” to save the current location as a bookmark for easy access and to display a list of your saved Web sites.
- “Go To URL” to access to a new page by entering URL address by manual.
- “History” to show you Web pages that you have visited.
- “Search” to search in current Web page by word.
- “Save Items” to save a picture or sound clip.
- “Reload” to reload current Web page.
- “Advanced” to give you options for changing how information is displayed.

#### d. Shortcuts

While you are surfing internet, there are several shortcuts as followings;

- “Numeric key (1~9)” to move to bookmarked page by pressing numeric keys.

- 
- “◀” to be the same as Menu key by pressing and holding.

## **2. BREW**

You can download and manage applications through the BREW platform, if your service provider supports BREW and if over-the-air Internet access is available in your area. Once applications are loaded, you can update to newer versions as they become available.

When you choose an application, you have the option of choosing a demo, various limited use options, or the full version – all varying in price. If you choose a priced version, the amount is added to your phone bill. BREW will also let you know if you are running out of memory. At that point, you can either disable an application or remove it completely.

For more information, please contact your service provider.

### **a. Application Download**

- Press “Menu”, “1. Interactivo” and “2. BREW”. Or simply press and hold “▶”.
- Select “Mobishop” and press “· ·”.
- Select “Catalog” and press “· ·”. Then the phone will show application list to download.
- Choose an application by scrolling “▲▼” and press “· ·”.

Once you download an application, press “Menu”, “1. Interactivo” and “2. BREW”. And select an application icon that you want to open and press “· ·”. Then you can use it.

### **b. Remove an application**

- Press “Menu”, “1. Interactivo” and “2. BREW”. Or simply press and hold “▶”.
- Select “Setting” and press “· ·”.
- Select “Manage Apps” and press “· ·”.
- Choose an application that you want to delete and press “· ·”.
- Select “Remove” and press “· ·”.

### **c. Application properties**

- Press “Menu”, “1. Interactivo” and “2. BREW”. Or simply press and hold “▶”.
- Select “Setting” and press “· ·”.
- Select “Manage Apps” and press “· ·”.
- Choose an application that you want to delete and press “· ·”.
- Select “View Properties” and press “· ·”.

### **d. System Information**

- Press “Menu”, “1. Interactivo” and “2. BREW”. Or simply press and hold “▶”.

- 
- Select “Setting” and press “...”.
  - Select “Manage Apps” and press “...”.
  - Select “System Info” on top of the display and press “...”.

### **3. MMS**

A multimedia message can contain text, sound and a picture. The phone supports multimedia messages that are up to 50 kB in size. If the maximum size is exceeded, the phone may not be able to receive the message.

If the message contains a picture, the phone scales it down to fit the display area. Multimedia messaging supports the following format;

- Picture : .png, .bmp, .jpg, .gif
- Sound : .mid

The phone does not necessarily support all variations of the aforementioned file formats. If a received message contains any unsupported elements, they may not be stored in your phone.

Note 1) Multimedia messages may not be able to receive if you are in a call, games or another BREW applications running, or an active WAP browsing. Because delivery of multimedia message can fail for a variety of reasons, do not rely solely upon them for essential communications.

Note 2) This function can be used only if it is supported by your network operator or service provider. Only phones that offer compatible multimedia message features can receive and display multimedia messages.

#### **a. Notifybox, Inbox, Outbox and Draftbox**

The phone saves the multimedia messages that have been received and sent. Once you receive a message, it will be save in Notifybox and show on a display. Press “Fetch” to download or press “Rejec” to delete.

##### **i) Notify box**

Notify box contains a multimedia message notice to let you decide whether you download or not. Press “Menu”, “1. Interactivo”, “3. MMS”, “1. View” and “1. Notifybox”. Then the phone shows a list of multimedia messages. Scroll the navigation keys and press “SEL” to choose or press “DEL” to delete.

If you press “SEL”, the message information, such as time, size, subject, etc, will be shown. If you want to download, press “FETCH” key.

Once you download a multimedia message, the message will be automatically deleted from Notifybox and the message will move to “Inbox”. If the download is failed, you can try again.

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## ii) Inbox

Once the multimedia message is downloaded, the message is saved in Inbox. Press “Menu”, “1. Interactivo”, “3. MMS”, “1. View” and “2. Inbox”. Then the phone shows a list of multimedia messages. Scroll the navigation keys and press “SEL” to see the message or press “DEL” to delete.

While you read and /or see the multimedia message, press “MENU”.

- “Restart” to see the message from the beginning again.
- “Save Item” to save the image or sound contained in the multimedia message into the phone.
- “Reply” to reply back to sender only.
- “Reply all” to reply back to all addresses that was included in the received multimedia message.
- “Delete message” to delete the multimedia message.
- “Forward” to forward other persons.

## iii) Outbox

You can also see the multimedia messages that you have sent out. Press “Menu”, “1. Interactivo”, “3. MMS”, “1. View” and “3. Outbox”. Then the phone shows a list of multimedia messages. Scroll the navigation keys and press “SEL” to see the message or press “DEL” to delete. While you read and /or see the multimedia message, press “MENU”.

## iv) Draftbox

If you go back to standby mode or previous menu while you are editing a multimedia message, the phone saves the editing message in to Draftbox. Press “Menu”, “1. Interactivo”, “3. MMS”, “1. View” and “4. Draftbox”. Then the phone shows a list of multimedia messages. Scroll the navigation keys and press “SEL” to see the message or press “DEL” to delete. While you read and /or see the multimedia message, press “MENU”.

Note) Draftbox contains only 1 message. If the phone stored one message in Draftbox and the phone tries to saved another editing message, the previous message is deleted and the new message is saved.

## **b. Writing and sending Multimedia message**

Before you write or send a multimedia message, contact your network operator or service provider to check availability and to subscribe to the multimedia messaging service.

## i) Writing multimedia messages

- 
- Press “Menu”, “1. Interactivo”, “3. MMS” and “2. Create”.
  - Key in a message and press “Done” or “▼” to insert a picture or a sound clip.
  - Press “Select” and choose “Camera”, “PCSync”, “Wap” or “BREW” to insert a picture.
  - Once you choose a picture, scroll “▼” and choose “Add sound”.
  - Press “Select” and choose “PCSync” or “Wap” to insert a sound clip.
  - Once you choose a sound clip, scroll “▼” and choose “Slide: ” to insert more pictures.

While you are editing a message, press “Menu”.

- “Send” to finish editing and move to input a phone number.
- “Preview” to preview a message editing.
- “Save as draft” to save an editing message in Draftbox.
- “Slide duration” to set a scroll time for sliding pictures.
- “Slide format” to edit sliding pictures.
- “Add slide” to increase slide.

#### ii) Sending multimedia messages

Once you finish writing a message, press “Send”.

- Press “Select” to choose a phone number from a phone book or press “▼” and enter a phone number.
- Press “Done” and scroll “▼” to finish.
- Press “Send”.

While you are editing a message, press “Menu”.

- “Send MMS” to send a message to designated phone number.
- “Send Email” to send a message to designated e-mail address.
- “Cancel send” to cancel sending a message and return to edit a message.
- “Advanced” for followings options;
  - . “Visibility option” to decide to show your phone number to the recipient’s phone or not.
  - . “Delivery Timing” to set a validity time of the message.
  - . “Message title” to set a title of messages.
  - . “Priority class” to set a priority of messages as Low, Normal or High.
  - . “Message class” to set a message as a personal messages, advertisement or informational.
- “Cc, Bcc” to input multiple phone numbers.

#### c. MMS Setting

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Press “Menu”, “1. Interactivo”, “3. MMS” and “3. Setting”.

i) Direct View

Press “1. Direct View” and choose “On”. Then a multimedia message will be displayed once the message is downloaded into Inbox by pressing. “Fetch”. If you set it “Off”, only receiving time and sender’s address will be shown.

ii) Save MSG



Press “2. Save MSG” and choose “Always”. Then the message you sent will be automatically saved in Outbox. If you set it “None”, the message will not be stored.

#### 4. SMS

Your phone can send and receive two types of message services – text (SMS: Short Messaging Service) and voice - if the services are available from your carrier. If you subscribe to either or both services, callers can leave you text messages or voice mail. Your service provider then transmits the text messages and voice mail notifications to your phone.


##### a. Text Messages

The actual tagging of text messages is dependent on the system used by your carrier. Once your carrier transmits messages to your phone while it is powered on, the phone will receive the messages as described below. If your phone is powered off, your carrier stores the messages and transmits them again at a later time.

When a new text message is received, your phone sounds an alert or vibrates, and  is shown on the display. After you read the new message,  disappears from the display.

Note) Your phone can store up to TBD text messages or TBD KB.

i) Reading Text Messages


If your phone is turned ON when it receives a text message, it will sound an alert or vibrate and display  on the display. You have a choice of reading the message then by pressing the SMS key or leave it for later. To read new messages:

- Press “SMS”, “1. View MSG” and “1. Inbox”.
- All messages you’ve received since the latest delivery will then be displayed. Choose a message to read and press “SEL (· ·)”.
- You can read the text message by scrolling “▲▼” keys.
- To call to a sender, simply press SEND twice while reading his/her message.

While reading a message, you can directly reply and transfer mail, store the phone number or

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return to the sender's phone number.

- Reply MSG : While you read a message, press "OPT ( · · )" and "Reply". You can then reply a message back. On sending messages, refer to "ii. Sending a Text Message".
- Transfer MSG : While you read a message, press "OPT ( · · )" and "Trans". You can then transfer this message to others. On sending messages, refer to "ii. Sending a Text Message".
- Store Number : While you read a message, press "OPT ( · · )" and "SaveN". You will then see the same display shown when storing phone numbers. On storing phone numbers, refer to "II. Phone Book".
- Return Call : While you read a message, press "". The phone will then display the call back number. Press "OK ( · · )" to connect.

If you want to read messages that you already sent out, press "SMS" and "2. Outbox". Then the phone will show you all the phone numbers you sent to. Press "SEL ( · · )" to choose a message. While you read a message, press "OPT ( · · )" to resend a message or store the phone number.


#### ii) Sending a Text Message (SMS : Short Messaging Service)

You can send text messages through your phone. To edit and send text messages:

- Press "SMS" and "2. Send MSG".
- Choose "1. Create MSG", "2. Recent MSG" or "3. Canned MSG". You can then write a new message or edit sent/canned messages. Press "OK ( · · )" to complete.
- Enter a phone number you want to send to. Or press "◀" to choose from numbers that you already sent to. Or press "▶" to choose from Phone Book.
- Scroll "▲/▼" and press "◀▶" to set message priority, message save, or delivery ACK.
- Press "OK ( · · )" to send the message.

#### b. Voice Mail Service

Your phone can receive voice mail notifications while it is powered ON. If your carrier transmits a notification while your phone is powered OFF, the notification the next time the phone is powered ON.

When a voice mail notification is received, your phone sounds an alert or vibrates and displays  on the display. Once the voice message is checked, the icon disappears from the display.

Either listen to the new message right away by pressing the SMS key or listen to it at a later time. To listen to new voice messages:

- 
- Press “SMS”, “1. View MSG” and “3. Voice”.
  - The time the message was received, the sender’s name, and the sender’s phone number will then appear on the display.
  - To listen a voice message, press SEND while reading a message and dial \*\*\* (carrier’s voice mail service number).
  - To delete a message, press “DEL (···)” key while you are reading a voice mail list.
  - To call to the sender, simply press SEND while accessing to the voice mail.

□ Note) Voice mail feature may work differently depending on your service region. In certain regions, you can listen to the voice mail by pressing “Listen (□)” while in the voice mail message view. In this case, you will not be able to use the Reply and Number Store options.

### **c. SMS Setting**

#### **i) Alert Type**

You can select message alerts from 5 different settings (Light only, Bells, and Vibrate).

- Press “SMS”, “3. Setting”, and “1. Alert Type”.
- Select from “Vibrator”, “Alert 1”, “Alert 2”, “Alert 3” or “Only Light”.
- Press “OK (··)” to set.

#### **ii) Direct View**

To view received messages as soon as they are transmitted:

- Press “SMS”, “3. Setting”, and “2. Direct View”.
- Choose “On” and press “OK (··)” to save.

#### **iii) Priority**

You can assign different priority levels for your messages. To do so:

- Press “SMS”, “3. Setting”, and “3. Priority”.
- Choose from Normal or Urgent and press “OK (··)” to save.

#### **iv) Delivery ACK**

To set Delivery ACK, press “SMS”, “3. Setting”, and “4. Delivery ACK”. Then, choose between “On” and “Off” and press “OK” to set.

#### **v) Save Message**

To save the read message in the phone:

- Press “SMS”, “3. Setting”, and “5. Save MSG”.
- Choose from “Always” or “None” and press “OK (··)” to save.



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vi) Reminder

You can set the phone reminds you the new message;

- Press “SMS”, “3. Setting”, and “6. Reminder”.
- Choose from “Once”, “Every 2Min” or “Off” and press “OK (· ·)” to save.

## II. Phonebook

### 1. Adding Entries in the Phonebook

After selecting “MENU (· ·)”, “2. Phone Book” and “1. PB Add” to add a phone number;

- Choose a type of the phone number among the image of Mobile, Home, Office and Etc by scrolling “◀ ▶”.
- Scroll “▲/▼” to edit the name, location number, and phone number.
- Assign the phone number as a Mobile, Home, Office, or Etc by scrolling “◀/▶”.

※ Note) A yellow frame outlining characters indicates that you can edit or type. For example, if “No Name” has a yellow frame outside of each character, you can enter the name. Or if [001] has a yellow frame outside of each number, you can change the location number.

To add Group, E-mail Address, Memo, or Bell Type for CID incoming rings, scroll “◀/▶” before you press “OK (· ·)”.

- Group: Scroll “◀/▶” to choose Group and press “NEXT (··)” to scroll through Family, Friends, Business, and No Group.
- E-mail: Press “EDIT (··)” to enter an e-mail address. Press “OK (· ·)” to complete.
- Memo: Press “EDIT (··)” to write a memo. Press “OK (· ·)” to complete. For more information on writing memos, refer to ‘ENTERING LETTERS & NUMBERS’ on page \_\_\_\_.
- Caller Identified Ring: If you are receiving Caller ID service and would like to set a distinctive ring for a recognized phone number, press “NEXT (··)” and choose a desired incoming bell type.
- Once finished registering all information for the entry, press “OK (· ·)” to store.
- Then you can see a message that the number you wanted to store was stored successfully. And it goes to stand-by mode.

### 2. Phonebook Search

Access the Phonebook by pressing “▼” and view the list of all stored entries. Here, phone

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number can also be searched by name, number, location number, or group.

a. Search by name

Search numbers stored in the Phonebook by entering a name.

- Press “MENU (· ·)”, “2. Phone Book”, “2. PB Search” and “1. Name”.
- Enter the name to search for.
- If you don’t remember the full name, just enter the first letter. Your phone will display a list of all similar names.
- Press SEND to dial.
- Or press “VIEW (· ·)” to edit or “DEL(···)” to delete.

b. Search by Number

Search numbers stored in the Phonebook by entering a phone number.

- Press “MENU (· ·)”, “2. Phone Book”, “2. PB Search” and “2. Number”.
- Enter the number to search for and press “OK (· ·)”. Then, the name and location assigned to that number will be displayed.
- Press SEND to dial.
- Or press “VIEW (· ·)” to edit or “DEL(···)” to delete.
- If the entered number is not stored in the Phonebook, a warning tone will sound and “No Number Match” will appear on the display.

c. Search by location

Search numbers stored in the Phonebook by entering a location number.

- Press “MENU (· ·)”, “2. Phone Book”, “2. PB Search” and “3. Speed Key”.
- Enter the location number and press “OK (· ·)”.
- Press “SEND” to dial. “VIEW(· ·)” to edit or “DEL(···)” to delete.
- If a number is not stored in the location, “Empty Location” will appear on the display.

d. Search by group

Search numbers stored in the Phonebook by a group.

- Press “MENU (· ·)”, “2. Phone Book”, “2. PB Search”, and “4. Group” to access “Choose Group” on the display.
- Scroll “◀▶” or “▲▼” to select from “Business”, “Friends”, “Family” and “No Group”
- Choose a group to view all the numbers associated to that group.
- Place the cursor on the number you want to dial by scrolling ▲/▼ and press SEND.
- Press “VIEW(· ·)” to edit or “DEL(···)” to delete.

e. Phonebook List Search

- Press “MENU (· ·)”, “2. Phone Book”, “2. PB Search”, and “5. PB List”.
- Your phone will then display all numbers stored in the phone in alphabetical order.
- Choose a number and press SEND to dial.

- 
- Press “VIEW (· ·)” to edit or “DEL(··)” to delete.

※ Note) You can also access Phonebook Search by pressing “SRCH(··)” from Standby mode.

### **3. Call List**

Call history, including number, time, and duration, can be referenced by:

- Pressing “MENU (· ·)”, “2. Phone Book”, and “3. Call List”.
- A log of dialed, received, and missed calls will be displayed.

### **4. Editing Groups**

Three types of groups - Family, Friend, and Business - are available.

To change the name of groups or to add/remove groups, press “MENU (· ·)”, “2. Phone Book”, and “4. Group Edit”.

- Select a group type and press “Add” and enter the name of group. Then press “OK (· ·)” to save.
- Press “Edit” to edit or “Remove” to remove.

### **5. Check Memory**

You can check how many entries are stored in both your phone.

- Press “MENU (· ·)”, “2. Phone Book”, and “5. Check Memory”.
- The total number of entries stored in your phone will then be displayed.

### **6. My Number**

View your phone number. Press “MENU (· ·)”, “II. Phone Book”, and “6. My Number”.

## **III. VOLUME & ALERT**

### **1. Bell Select**

This option allows you to set an incoming call alert from a selection of bells and 40-poly MIDI

To set a bell, press “MENU (· ·)” and “3. Vol/Alert”, and “1. Bell Select”.

#### **a. Melody**

- Press “1. Melody” and press “▲”.
- Choose a type of melody among “Basic”, “Creative”, “Classic”, “Nature” or “Event” by scrolling “◀/▶”.
- Once you choose a type of melody, press “▼”.
- Scroll “◀/▶” to choose a bell and press “OK (· ·)” to set.

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b. PCSYNC Ringer

- Press “2. PCSYNC Ringer” and scroll “◀/▶” to select a melody type.
- Press “OK (· ·)” to set.

c. WAP Ringer

- Press “2. WAP Ringer” and scroll “◀/▶” to select a melody type.
- Press “OK (· ·)” to set.

## 2. Ring Type

You can choose from six incoming call alert settings.

- Press “MENU (· ·)”, “3. Vol/Alert”, and “2. Ring Type”.
- Select “Bell”, “Vibration”, “Bell → Vib” and “Vib → Bell”.
- Press “OK (· ·)” to set.

## 3. Volume

a. Bell Volume

This option allows you to set the bell volume level.

- Press “MENU (· ·)”, “3. Vol/Alert”, “3. Volume”, and “1. Bell Volume”.
- Scroll “▲/▼” to increase or decrease the volume level.
- Press “OK (· ·)” to set.

b. Key Volume

This option allows you to set the key volume level.

- Press “MENU (· ·)”, “3. Vol/Alert”, “3. Volume”, and “2. Key Volume”.
- Scroll “▲/▼” to increase or decrease the volume level.
- Press “OK (· ·)” to set.

c. Call Volume

This option allows you to set the earpiece volume level.

- Press “MENU (· ·)”, “3. Vol/Alert”, “3. Volume”, and “3. Call Volume”.
- Scroll “▲/▼” to increase or decrease the volume level.
- Press “OK (· ·)” to set.

## 4. Alert Settings

a. Connect Beep

This option allows you to be audibly notified when a call is connected.

- Press “MENU (· ·)”, “3. Vol/Alert”, “4. Alert Setting”, and “1. Connection”.
- Select between On and Off and press “OK (· ·)” to set.

b. Call Drop

This option allows you to be audibly notified when a call is disconnected or the other party

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hangs up the phone.

- Press “MENU (· ·)”, “3. Vol/Alert”, “4. Alert Setting”, and “2. Drop”.
- Select between On and Off and press “OK (· ·)” to set.

c. **1 Minute Alert**

This option allows you to be audibly warned when a call reaches the 1 minute mark.

- Press “MENU (· ·)”, “3. Vol/Alert”, “4. Alert Setting”, and “3. Minute”.
- Select between On and Off and press “OK (· ·)” to set.

d. **Service**

This option allows you to be audibly warned when you move into other base stations during a call.

- Press “MENU (· ·)”, “3. Vol/Alert”, “4. Alert Setting”, and “4. Service”.
- Select between On or Off and press “OK (· ·)” to set.

## **5. Beep Length**

DTMF tone length can be set at normal or long.

- Press “MENU (· ·)”, “3. Vol/Alert”, and “5. Beep Length”.
- Set the beep length “Normal” or “Long” and press “OK (· ·)” to set.

## **6. Roam Ringer**

This option allows you to be audibly warned when the phone is roaming.

- Press “MENU (· ·)”, “3. Vol/Alert”, and “6. Roam Ringer”.
- Choose “OFF”, “RoamRing 1” or “RoamRing 2” and press “OK (· ·)” to set.

# **IV. PERSONAL INFORMATION MANAGEMENT**

Your phone supports various additional functions, including Alarm, Schedule, Memo, Calculator, World Time and Calendar.

## **1. Alarm**

The 24-hour alarm can be set to go off at a set time while your phone is on. If the phone is powered off at the set time, the alarm will not sound. To set the alarm, press “MENU (· ·)”, “4. PIM”, and “1. Alarm”.

- Choose “Alarm 1” or “Alarm 2” and press “SEL (· ·)”.
- Choose from Disable, Everyday, Mon~Sat, Mon~Fri, and Once Alarm by scrolling “◀/▶”.
- Press “▼” and choose a Bell type and select the bell type by scrolling “◀▶”.

- 
- Press “▼” and enter the time, and then select AM or PM by pressing “(··)”
  - Press “STO (··)” to set.

Note 1) You can set up to 2 different alarms.

Note 2)

- Disable: Once you've chosen Disable, the alarm will not sound even if you've set a time for it.
- Everyday: Once you've chosen Daily, the alarm will sound at the set time everyday.
- Mon~Sat: Once you've chosen Mon~Sat, the alarm will sound at the set time from Monday to Saturday.
- Mon~Fri: Once you've chosen Mon~Fri, the alarm will sound at the set time from Monday to Friday.
- Once Alarm: Once you've chosen Once, the alarm will only sound at the set time once.

## 2. Schedule

The Schedule Manager option helps to manage your schedule using the phone. To set or edit a schedule, press “MENU (··)”, “4. PIM”, and “2. Schedule”.

a. Add Schedule :

- Select “1. Add”. Calendar of the current month will then appear on the display.
- Use “▲/▼” to scroll through the days, the side keys on left side of the phone (volume keys) to scroll through the months, and \* and # keys to scroll through the years.
- Enter the time (hour, minute and AM/PM).
- Press “▼” and press any numeric keys to enter a memo under “Input Schedule”. Once you finish entering a memo, press “OK (··)”.
- Press “▼” and scroll “◀/▶” to choose the bell type.
- Press “STO (··)” to save.
- The display will then show an animation and prompt “Add Other Schedule?” To add more, press “OK (··)” or to finish, press “QUIT (··)”.

b. Schedule List : You can see the schedule list you stored.

- Select “2. List”. Then you can see the schedule list orderly.
- To edit a schedule, choose a list by scrolling “▲/▼” and pressing “OK (··)”. You can then edit a schedule in the same manner as above.
- Or delete a schedule by simply pressing “DEL (··)”. Press “OK (··)” to erase once the display prompts “Erase?”

c. Schedule Delete : You can delete all schedules.

- 
- Select “3. Delete”.
  - The phone will then prompt “All Schedule Erase?”
  - Press “OK (· ·)” to erase.

### **3. Memo**

The Memo option helps you to manage your daily tasks. To create or edit a Memo, press “MENU (· ·)”, “4. PIM”, and “3. Memo”.

#### **a. Add Memo :**

- Choose “1. Add”.
- Enter or edit your task and press “OK (· ·)”.
- Press “STO (· ·)” to store or “EDIT (··)” to edit.

#### **b. Memo List :**

- Choose “2. List”. The phone will then display a list of all stored memos.
- Select by scrolling “▲” and “▼” and press “VIEW (· ·)”.
- The memo and stored time will then be displayed.
- To edit, press “EDIT (··)”.

#### **c. Delete :**

- Select “3. Delete”. The phone will then prompt “All Memo Erase?”.
- Press “OK (· ·)” to delete all memos.
- Or if you would like to delete individual memos, choose a memo entry and press “DEL(··)”.

### **4. Calculator**

Your phone can double as a calculator. Press “MENU (· ·)”, “4. PIM”, and “4 Calculator”.

### **5. World Time View**

Your phone is capable of displaying current times of 77 different cities. To access the world time view;

- Press “MENU (· ·)”, “4. PIM”, and “5. World Time”.
- Use “▲▼” or “\*” and “#” keys to find cities.

### **6. Calendar View**

Your phone can show you a calendar by pressing “MENU (· ·)”, “4. PIM”, and “6. Calendar”.

## **V. PHONE SETTINGS MENU**

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## 1. Wallpaper

Your phone is capable of displaying various welcome greetings in standby mode. To edit this greeting:

- Press “MENU (· ·)”, “5. Phone Setting”, and “1. Wallpaper”.
- Choose from “1. Fixed”, “2. PCSYNC Image”, “3. WAP Image”, “4. BREW Image” or “5. Photo Album” and press “SEL (· ·)”.
- Scroll “◀▶” to choose wallpapers and press “OK (· ·)” to save.

## 2. Greeting Edit

To edit the greeting banner:

- Press “MENU (· ·)”, “5. Phone Setting” and “2. Greeting Edit”.
- Compose the banner you want displayed and press “OK (· ·)” to save.

## 3. Backlight

You can set the LCD and Keypad backlight separately to stay on or automatically turn off in 10, 20, or 30 seconds.

- Press “MENU (· ·)”, “5. Phone Setting”, “3. Backlight” and “1. LCD Light” or “2. Keypad Light”.
- Select “10 Sec”, “20 Sec”, “30 Sec” or “Always Off”.
- Press “OK (· ·)” to set.

## 4. LCD Contrast

To adjust LCD contrast:

- Press “MENU (· ·)”, “5. Phone Setting”, and “4. Contrast”.
- Scroll “▲/▼” to set the contrast levels and press “OK (· ·)” to set.

## 5. Languages

Spanish and English are available for your phone’s display. To change the language:

- Press “MENU (· ·)”, “5. Phone Setting”, and “5. Language”.
- Select “Spanish” or “English”.
- Press “OK (· ·)” to set.

## 6. Auto Keylock

To lock the phone automatically,

- Press “MENU (· ·)”, “5. Phone Setting”, and “6. Auto Keylock”.
- Select “Auto” or “Off”.



- 
- Press “OK (· ·)” to set.

## **7. Power Saving**

If you want save a power consumption, so that if you want to have longer battery life time, you can set the phone in Power Saving mode.

- Press “MENU (· ·)”, “5. Phone Setting”, and “7. Power Saving”.
- Select “On” or “Off”.
- Press “OK (· ·)” to set.

## **8. Current Time Setting**

If you are within the service areas, your phone will indicate the current time received from the Base Station. If you are out of the service areas or in AMPS areas, you can set the time as below:

- Press “MENU (· ·)”, “5. Phone Setting”, and “8. Time Set”.
- Enter the month, day, year, time, minute and AM/PM in a order.
- Press “OK (· ·)” to set.

# **VI. Call Information**

## **1. Call Function**

### **a. Auto Answer**

- “MENU (· ·)” → “6. Call Info” → “1. Call Function” → “1. Auto Answer”.
- Choose “Always”, “Off” or “Earphone” and press “OK (· ·)” to save.

### **b. Auto Redial**

- “MENU (· ·)” → “6. Call Info” → “1. Call Function” → “2. Auto Redial”.
- Choose between “On” and “Off” and press “OK (· ·)” to save.

## **2. Call Restrict**

- “MENU (· ·)” → “6. Call Info” → “2. Call Restrict” → “1. Send Call”.
- Choose between “Restrict” or “Clear” and press “OK (· ·)” to save.

## **3. Call Answer**

Calls can be answered either by pressing a key or by opening the folder.

- “MENU (· ·)” → “6. Call Info” → “3. Call Answer”.
- Choose “Any key” or “Send Key” and press “OK (· ·)” to save.

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#### **4. Call Time**

The Call Time option shows approximate duration of the last call, the total call time in hours and minutes and the total number of calls made under the current phone number.

- a. Last Call : Press “MENU ( · · )”, “6. Call Info”, “4. Call Time”, and “1. Last Call”. Your phone will then indicate an approximate duration of the last call made in minutes and seconds.
- b. Home Calls : Press “MENU ( · · )”, “6. Call Info”, “4. Call Time”, and “2. Home Call”. Your phone will then indicate an approximate total time in hours and minutes that the phone has been used in your provider’s service area.
- c. Roam Calls : Press “MENU ( · · )”, “6. Call Info”, “4. Call Time”, and “3. Roam Call”. Your phone will then indicate an approximate total time in hours and minutes that the phone has been used in roaming areas.
- d. All Calls : Press “MENU ( · · )”, “6. Call Info”, “4. Call Time”, and “4. All”. Your phone will then indicate an approximate total time in hours and minutes that the phone has been used in home and roaming areas.

#### **5. Voice Privacy**

You can set “Voice Privacy” on or off.

- Press “MENU ( · · )”, “6. Call Info” and “5. Voice privacy”.
- Choose between “Standard” and “Enhanced”.
- Press “OK ( · · )” to save.

## **VII. SECURITY**

Your phone is equipped with many security features, including a user-programmable lock code and call restrictions. To access the Security menu from Standby mode, press “MENU ( · · )” and “7. Security”. And enter the four-digit password.

Note : The password is “0000” if you don’t have your phone number yet. Or the last 4 digits of your number if you already have you phone number. If you want to change the password, see below;

#### **1. Lock Mode**

Locking the phone limits all outgoing calls except calls to the three hard-coded emergency numbers (\*\*\*) .

The phone can be manually locked during use or the automatic lock option can be set. When

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the phone is in Lock mode, you can answer incoming calls but must unlock the phone to place outgoing calls (except to designated emergency numbers).

- Press “MENU (· ·)”, “7. Security”, and “1. Lock Mode”.
- Enter the password.
- Choose “Never”, “Power up” or “Now” and press “OK (· ·)” to set.

Note) Never – The phone is unlocked.

Power Up – The phone is locked automatically when it is turned on.

Always – The phone must be unlocked to place outgoing calls.

## **2. Changing Password**

To change the password,

- Press “MENU (· ·)”, “7. Security”, and “2. New Password”.
- Enter the password.
- Enter the new password and press “OK (· ·)”.
- Then you can see “RE-ENTER NEWCODE” on top of the display.
- Enter the new password again and press “OK (· ·)” to save.

## **3. Memory Clear**

The Memory Clear option allows you to clear the call list, schedules, and all other stored information from memory.

- Press “MENU (· ·)”, “7. Security”, and “3. Memory Clear”.
- Enter the password.
- Choose “1. Call list”, “2. PhoneBook”, “3. Schedule”, “4. Memo”, “5. Alarm” or “6. All”.
- Choose “Clear” and press “OK (· ·)” to erase the memory.

## **4. Initialize**

Phone Initialize allows you to reset the phone.

- Press “MENU (· ·)”, “7. Security”, and “4. Initialize”.
- Enter the password.
- Choose “Yes” and press “OK (· ·)”. Then your phone display “Initializing”.
- The phone will automatically restart to apply the change.

## **5. Privacy Information**

To stop disclosing private information to other people, set the phone to show the information only when the correct PIN has been entered. To set privacy information:

- 
- Press "MENU (· ·)", "7. Security", and "5. Privacy Info".
  - Enter the password.
  - Choose "1. Phonebook", "2. Schedule/Memo", "3. Message", "4. Call List" or "5. Camera".
  - Choose between "On" and "Off" and press "OK (· ·)" to set.

## **6. Network Set**

To set the network:

- Press "MENU (· ·)", "7. Security" and "6. Network Set".
- Enter the password.
- Choose between "CDMA only", "Analog only", "Temp analog" or "Automatic" and press "OK (· ·)" to set.

Note) If you are not aware of Network Set function, please leave as it is. If you change, the phone may not work in your network.

## **VIII. VALUE ADDED SERVICE (VAS)**

### **1. Data Service**

Your phone is capable of receiving digital data when connected to a computing device (such as laptop, desktop, hand held, palmtop, etc) running Windows NT, Windows 95 or later using the optional data kit. The phone functions just like a typical modem on your PC.

You may need to set the data transmission mode by manual. If you are in typical CDMA 1X network, you are required not to change. To change the service mode, press "Menu", "8. VAS", "1. Data Service" and "Mode". And choose "Pkt High", "Pkt Middle" or "Async" and press "OK" to set.

Note) This function can be used only if it is supported by your network operator or service provider. For more information, please contact your service provider.

### **2. Games**

You can enjoy such entertaining games as Blackjack and Othello with your phone. To access games:

- Press "MENU (· ·)", "8. VAS", and "2. Games".
- Choose "1. Black Jack" or "2. Othello" and enjoy your games!

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To set the phone in silent mode while playing games, press “MENU (··)”, “8. VAS”, “2. Games” and “3. Game Sound”. Set “Game Volume Off” and press “OK (··)”.

To see the game result you played, press “MENU (··)”, “8. VAS”, “2. Games” and “4. Game Result”. Choose “1. Blackjack” or “2. Othello”. The phone will then display the high scores of the selected game.

To view play keys of Othello, press “MENU (··)”, “8. VAS”, “2. Games”, “2. Othello” and “4. Key Help”. Key functions will show and press any keys to return to the previous menu.

### **3. Memory View**

To see the total size of memory you are using for Camera, BREW, PCSync and WAP, Press “MENU (··)”, “8. VAS” and “3. Memory View”. And choose “1. Album”, “2. BREW”, “3. PCSync” or “4. WAP” and press “SEL (··)”. Then the phone will show you the total size of memory capacity and total size of memory that you are using.

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# CAMERA



In this menu you can take photos with the phone's built-in camera and adjust its settings. The camera lens is on the back of the phone and the display of the phone works as a viewfinder. The camera produces JPEG pictures.

If there is not enough memory to take a new photo, you need to free some by deleting old photos in the photo album.

Note 1) Obey all local laws governing the taking of pictures. Do not use this feature illegally.

Note 2) Your phone must be switched on to use this function. Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

## 1. Snapshot


Press “”, and select “1. Snapshot”. Then the live image appears on the display, and you can use the display as a viewfinder. To take a photo, press “”. The phone saves the photo in the Photo Album. You can set the camera save the photo automatically or by manual.

Also you can use various options to take a photo as below;

- Rotation : Press “Menu” and “1. Rotation” on a viewfinder mode. Scroll “▲” and “▼” to set “0 Degree” or “180 Degree”. If you set “180 Degree”, the display will show you the image upside down.
- Self timer : You can activate the self-timer of the camera for one picture at a time. Press “Menu” and “2. Self Timer”. And choose “5 sec” and press “SEL” to start. Then after the timeout, the camera takes the photo.
- Frame : If you want to frame a photo, press “Menu” and “3. Frame”. Then you can choose 5 different frames by scrolling “◀” and “▶”. Once you choose a frame, press “SEL” to set. Once you set the frame, the photo is set the resolution at “128 x 116”.
- Effect : The camera also support various image effects. Press “Menu” and “4. Effect” and scroll “◀” and “▶”. Then you can see various image effects on a display. Once you choose, press “SEL” to set.
- Bright : You can adjust the brightness on a viewfinder. Press “Menu” and “5. Bright” and scroll “◀” and “▶”. Once you choose, press “SEL” to set.
- Shot mode : If the lighting is dim for taking photos, select “Dark Area” by pressing “Menu” and “6. Shot mode” on a viewfinder mode.
- “Zoom in/out” to zoom the live image in or out by press “▲” or “▼” on a viewfinder

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mode.

- “Shot Key” : In addition to ”, you can take a photo by pressing a side volume Up key.


Note 1) The camera supports Auto-focus. It may takes few seconds to focus on a subject or in a dark area. Take a photo after the camera focuses on a subject.

Note 2) The camera supports maximum 330K pixels of resolution.

Note 3) Total number of photo saved in your phone is subject to change upon the photo size.

Note 4) If the photo album is full and when you take a photo, the phone will show you “Memory full” on a display. You are required either deleting photos in Album or not storing in the phone.


## 2. Photo Album

To see photos, press “” and “2. Photo Album”. Then all photos appears on the display by order. Scroll “▲” or “▼” to select a photo. When the photo is displayed, press “◀” or “▶” to move to next photos.

While a photo is displayed, press “Menu”.

- “Photo Mail” to send the selected photo via MMS. For more details, refer to “3. Photo Mail”.
- “Wallpaper” to set the selected photo as wallpaper.
- “Rename” to give a new name to the file.
- “Delete” to delete the selected file.
- “Delete all” to delete all the files in the selected folder. If any of photos are set on a wallpaper or linked with a phonebook, you need to delete by “Delete” menu.
- “Photo Info” to see the resolution and file size of selected photo and the time that was taken.
- “Text List” or “Thumbnail” to see the photo album by name list or to see 4 photos in a display at the same time.

## 3. Photo Mail

To send a photo via Mobile Messaging Service (MMS), press “” and “3. Photo Mail”.

Then the phone shows photo list that you have taken.

- Scroll “▲” or “▼” and press “SEL” to choose a photo. Then the selected photo will be shown on the display. Press “PRE” to go back.

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- Press "NEXT".
  - Press "Edit" to edit the name of photo. Enter the name and press "Done" to finish.
  - Press "Send" to send a photo mail. Then you can send the photo mail as the same manner as MMS.

#### 4. Camera Set

To set the resolution and photo save method, press " " and "4. Camera Set".

- b. Resolution : Scroll "◀" or "▶" to select "640x480", "320x240", "160x120" or "128x116".
- c. Save Method : Once you set the resolution, press "▼" and scroll "◀" or "▶" to choose "Manual" or "Auto".
  - "Manual" to save a photo by manual once you take a photo.
  - "Auto" to save a photo automatically once you take a photo.

Note 1) If you set a frame, the resolution shall be automatically changed to "128 x116" to fit on the display. If the camera is set a frame and you try to set a resolution other than "128 x116", the phone will show "Store? Frame will be cleared". Press "STO" to save the resolution, but the frame set will be released.



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## USING MENU During a Call

### 1. Phonebook Search

Find phone numbers during calls by pressing “MENU (· ·)” and “1. PB Search”.

### 2. Voice Mute

To mute the microphone, press “MENU (· ·)” and “2. Tx Voice Mute”. To unmute the microphone, press “MENU (· ·)” and “2. Tx Voice Mute” again.

### 3. DTMF Mute

To mute key tone, press “MENU (· ·)” and “3. DTMF Mute”. To unmute DTMF, press “MENU (· ·)” and “3. DTMF Mute” again.

### 4. Voice Privacy

To set Voice Privacy, press “MENU (· ·)” and “4. Voice Privacy”. Choose between “standard” and “enhanced” and press “OK (· ·)” to save.

### 5. Beep Length

To set a beep length, press “MENU (· ·)” and “5. Beep Length”.

### 6. SMS Messages

To read a message, press “SMS”.

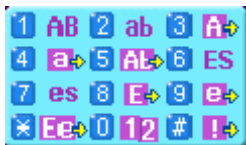
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## ENTERING LETTERS & NUMBERS

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

### Entering Letters and Numbers

When you enter letters, press "MODE (···)". Then following shall be appeared on a display.



- Press "1" (**AB**) to insert a capital letter in English.
- Press "2" (**ab**) to insert a small letter in English.
- Press "3" (**A→**) to insert a word by Prediction Text Input in English (Capital letter).
- Press "4" (**a→**) to insert a word by Prediction Text Input in English (Small letter).
- Press "5" (**Ab→**) to insert a word by Prediction Text Input in English. The first character will be automatically input a capital letter and followings shall be small letters till a punctuation.
- Press "6" (**ES**) to insert a capital letter in Spanish.
- Press "7" (**eS**) to insert a small letter in Spanish.
- Press "8" (**E→**) to insert a word by Prediction Text Input in Spanish (Capital letter).
- Press "9" (**e→**) to insert a word by Prediction Text Input in Spanish (Small letter).
- Press "\*" (**Ee→**) to insert a word by Prediction Text Input in Spanish. The first character will be automatically input a capital letter and followings shall be small letters till a punctuation.
- Press "0" (**12**) to insert a numeric character.
- Press "#" to enter a punctuation or special characters.

### Prediction Text Input

If you choose a Prediction Text Input mode (**A→**, **a→**, **Ab→**, **E→**, **e→**, **Ee→**), you don't need to type all letters you wish to insert.

- Press buttons once for each letter of a word you want to write.
- Then the phone shows predicted words that you may want to write on the bottom.
- Press scroll ◀/▶ to choose a word and press "SEND" to insert.

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eg). If you want to write “manual”, press “6”, “2”, “6”, “8”, “2”, “5” and “SEND”. Then “manual” is written on the display.

Or you may press buttons for first few letters and scroll “◀/▶” to find "manual".

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## FCC RF EXPOSURE INFORMATION

### ***Read this information before using your handset***

In August 1996 the Federal Communication Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

#### **Body-worn Operation**

This device was tested for typical body-worn operations. To comply with FCC RF exposure requirements, a minimum separation distance of 0.6 inches (1.5 cm) must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure requirements and should be avoided.

*For more information about RF exposure, please visit the FCC website at [www.fcc.gov](http://www.fcc.gov)*