

# **CDMA 2000 1x WIRELESS LOCAL LOOP PHONE CWF-1x800 / 1x1900 USER'S MANUAL**

**CDMA 2000 1x  
WIRELESS  
LOCAL LOOP**



## FCC RF EXPOSURE INFORMATION

**WARNING!** Read this information before using you phone



In August 1996 the Federal Communications 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 electromagnetic energy emitted by FCC regulated transmitters. Those guideline are consistent with the safety standard previously set by both U.S and international standards bodies. The design of this phone complies with the phone complies with the FCC guidelines and these international standards.

### **CAUTION**

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

### **Near-Body Operation**

This device was tested for typical body-worn operations with the back of phone kept 2.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, maintain a 2.5 cm. separation distance between the user's body and the phone, including the antenna.

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## SAFETY PRECAUTIONS

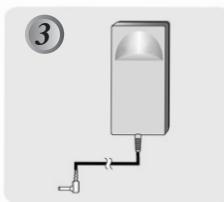
1. Avoid placing the phone in a dusty location, or near a source of gas or fire.
2. Don't shake, hit or drop the phone.
3. If you clean the outside of the phone, use only a soft, dry cloth. The chemicals in alcohol, benzine or acetone can damage the surface of the phone.
4. Do not twist or pull the cord out of the phone.
5. Do not disassemble the phone.
6. DO NOT use the power adapter if:
  - The power cord is damaged.
  - The phone has been dropped or damaged in any way.
7. Use only the provided adapter. Do not use the - adapter for any other purpose.
8. Use only the provided antenna.  
Do not use the antenna for any other purpose.
9. Frequency and length of use can affect the life of the self-charging battery.  
Contact your customer service if the battery is not operating properly.
10. Use only the designated self-charging battery. Dispose of exhausted batteries properly. Never discard a battery in or near fire or flame.
11. Do not use the telephone near water, for example, near a bathtub, sink, wet basement, or swimming pool.

**NOTE :** The input voltage and the shape of the plug on this phone may vary from country to country.

## CHECKING THE PARTS

Once you have unpacked your phone, make sure that you have all the parts shown below. If any piece is missing or broken, please call your customer service.

<b>1.</b> Main Set	<b>2.</b> Hand Set
<b>3.</b> AC/DC Adapter	<b>4.</b> User's Manual
<b>5.</b> Antenna	<b>6.</b> External Battery(optional)
<b>7.</b> Data Cable-USB(Optional)	<b>8.</b> Data Cable-RS-232C(optional)



## SETTING UP YOUR PHONE

### INSTALLING THE PHONE

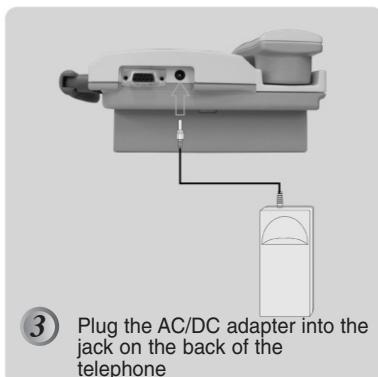
This phone operates by receiving D.C. power from the specified D.C. adapter, which is connected to electrical outlet. The phone is equipped with a rechargeable external battery to back up power failure.



① Attach the handset



② Connect the antenna



③ Plug the AC/DC adapter into the jack on the back of the telephone



④ Plug the AC/DC adapter into an appropriate wall outlet

**NOTE :**The input voltage and the shape of the plug may vary from country to country.

The input and output voltage of the adapter is indicated on the adapter.

Do not use the phone with unspecified voltage.

## SERVICE STATUS CHECK

### Display in service area

When the power cord is connected properly, Power LED will light.

All segments in the LCD window will turn on briefly.

When the service LED at the top of the phone is on, service is available.

The display will show the greeting, time and date.

You can change the greeting(See page 34).

Display in service area



### Display in area with no service

When there is no service in your area, the signal icon does not appear in the display.

In this case, contact your service provider.

Display in area with no service

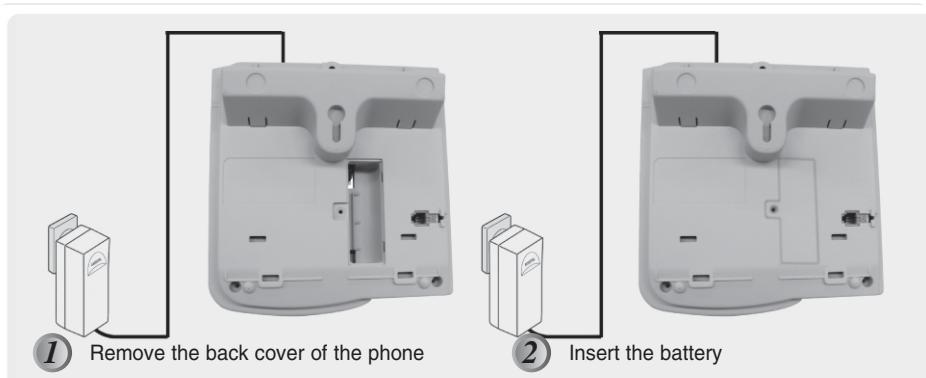


\* Battery icon indicates when use battery.

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## INSTALLING THE BATTERY

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**NOTE :** Please put the battery switch located in battery slot at "1" position after insert the battery.

## GETTING TO KNOW YOUR PHONE



- 1. Antenna** : Adjusting the antenna improves the sound quality of the call.
- 2. Power/RSSI LED** : The Power LED lights when the power is connected. Under battery power, this LED is always blinking.
- 3. STORE** : Stores phone numbers, and any settings you select in the menu within the phone's memory.
- 4. MESSAGE** : Press to retrieve messages.
- 5. RECALL** : Allows you to redial the last number called.
- 6. On-Hook** : Allows you to enter phone number without lifting the handset off the hook.
- 7. Shift Keys** : Press to move the cursor when entering letters and to scroll through menu options and displays.
- 8. CLEAR** : Lets you clear your last entry.
- 9. MENU** : Press to access the phone's menus.

## DISPLAY ICONS

Icons display on the screen to indicate what features you are using and the status of the phone, signal strength, and battery.



Indicates the strength of the current signal. The more bars, the stronger the signal.



Indicates the level of battery power. The more bars, the more power. When the battery is low, the icon blinks and an alert tone sounds.



Indicates that you are using the phone's menu.



Indicates that you have set your phone's alarm.



Indicates that you are in the phone's internal phone book.



Flashes when you have a page, a text message or a voice mail message.



Indicates that a call is in progress.

## FUNCTION KEYS

MENU



Press this key to display the phone's main menu.

CLEAR



Clears information from the display screen.

- To erase one character from the display screen, press it once.
- To erase all the characters on the screen, press and hold down.
- To go back one step when you're accessing a menu, briefly press it once.

STORE



Press this key to store a number in the phone's internal phone book and to save menu settings.

MESSAGE



Press this key to retrieve messages.

RECALL



Press this key to redial the last number called.



The ON-HOOK button is used to enter a number, without lifting the handset off the hook.





## *Basic Operation*

Placing Calls

Redial

Receiving Calls

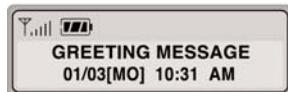
Adjusting Volumes

Choosing the Ring Tone

On-Hook Call

## PLACING CALLS

1. First, check to see that your WLL Phone is turned on. If the Power / RSSI LED is lit, the power is on.
2. Pick up the handset or press  to hear a dial tone. If the service is not available, you hear a no service tone (intermittent tone).
3. Using the keypad, dial the desired telephone number. The LCD window displays the number.
4. press .
5. When the other person answers, begin your conversation. If you pressed  in step 2, pick up the handset before you begin conversation.
6. To end the call, replace the handset.



**NOTE :** Modifying a phone number.

- Modifying the number by one digit : Press  briefly.
- Modifying the entire number : Press  and hold.

## REDIAL

**Redial the last number you dialed by using this feature.**

1. Pick up the handset, or press .
2. Press .

To speak to the other person, pick up the handset.



**NOTE :** You cannot redial in the above manner when the power is just on. 'NO LAST CALL!' will display.

## RECEIVING CALLS

**When you receive an incoming call, your phone will ring and blink "Incoming Call" display in LCD window and the LED on the phone will blink.**

1. Simply pick up the handset to answer the call.
2. To disconnect, replace the handset.

**NOTE :** If a call comes in while the incoming call restriction

function is set, 'INCOMING CALL RESTRICTED' displays and you cannot receive the call until you enter the lock code.

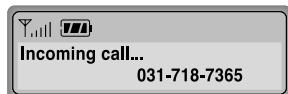


If you select 'Silent' in the phone ring volume selection function, the phone will not ring. Instead, the incoming call light will blink.

**When Caller ID is activated.**

### Caller ID Display

The Caller ID feature displays the caller's number when the phone rings. If the caller's name and number are stored together in your phone's memory, the caller's name will display.



Contact your service provider to activate this feature.

**NOTE :** If there is a missed call (the call not answered), the missed call number will display



## ADJUSTING VOLUMES

You can control the sound volumes on your phone, including the key tone (the sound you hear when you press a key), the conversation volume (the sound of the other party during a phone call) and the ring volume of an incoming call.

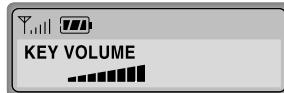
### Controlling conversation volume

Lift the handset and press  ,  ,  and  or  . and  to adjust voice volume.



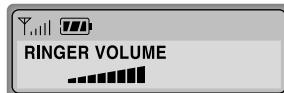
### Controlling key tone volume

Lift the handset and press  ,  ,  and  or  . and  to adjust key tone volume.



### Controlling ring tone volume

Lift the handset and press  ,  ,  and  or  . and  to adjust ring tone volume.



## CHOOSING THE RING TONE

You can choose from ten different ring tones.

1. Press  and  to select 'Ring/Alert'.

2. Press  to select 'Ring Tone'.

3. Press  or  to scan ring tones.

4. Press  to save the desired ring tone setting.



## ON-HOOK CALL

This feature allows you to make a call without picking up the handset.

1. Press .

You will hear the dial tone through the speaker.

Dial tone time : 20 sec.



2. Enter the phone number you want to call.

3. When you hear the other party answer, pick up the handset and begin the conversation.

**NOTE :** If you do not pick up the handset, the other party will not be able to hear you.

### To make a Quick Call

Pick up the handset, or press  , enter the phone number of the party you want to call, and then press  . The call connects immediately.



## ***Internal Phone Book***

The Internal Phone Book

Storing Numbers in Memory

Searching for Numbers in Memory

Erasing a Number in Memory

One-Touch Calling

Two-Touch Calling

## THE INTERNAL PHONE BOOK

Your phone has an 'Internal Phone Book' in which you can store up to 99 frequently called names and numbers. You can set them up for convenient, one-touch or two-touch dialing, and you can store them as confidential phone numbers.

### STORING NUMBERS IN MEMORY

1. press .

2. Enter the desired telephone number up to 28.

3. Press  <sup>STORE</sup>.

4. Enter a name by pressing the alphanumeric keys.

**NOTE :** If you do not wish to enter a name, just skip over this step. You can only input 16 letters



5. Press  <sup>STORE</sup>.

6. Press  to store at an empty location displaying automatically.



7. To assign a specific location, Press a 2-digit location number between 01 and 99.

To store the number in the next memory location,

Press  or .

**NOTE :** If you are selecting a location between 1 and 9 enter zero (0) before that number. If there is no empty location, the message 'MEMORY(01-99) IS FULL!' will display.

If the message 'MEMORY USED!' displays,



8. Press  <sup>STORE</sup>.

9. To store the number in confidential, press  or  and select 'SECRET'.

10. Press  <sup>STORE</sup>.



## SEARCHING FOR NUMBER IN MEMORY

If you do not remember which telephone numbers have been stored in the various memory locations, you can scroll through memory to find a specific entry.

### Searching by Location Number

1. Press  and  and .

2. Enter the two-digit memory location to display the number. The name displays.

3. Press  and the number displays and can be modified.

**NOTE :** If the location is empty, 'Empty Location' will displays.

4. When the desired number displays.

To make the call, press .

To exit the function, press .



### Searching by Name

1. Press  and  and  in sequence.

2. Press  and you can enter all or part of the name by pressing the alphanumeric keys on the keypad.

Example) Enter A to find all names beginning from the letter A.

3. Press  . The phone briefly displays the memory location number along with the name and number of the first match. If the number displayed is not the one you want, press  or  to scroll through the list until the desired number displays.

4. When the desired number displays, press  to dial the number automatically.



## Searching All

1. Press  and **5** and **1** in sequence.
2. To browse all stored list, press  or .
3. Press  to select one among the list and see the details.
4. When the desired number displays, press  to make the call,



## Searching Confidential Number

To see the phone number stored in a confidential memory location, follow these steps :

1. Press  and **5** and **1** in order.
2. Search the one who you want to look by a searching method said previously and The name (if any) displays.
3. Press  , "INPUT LOCK CODE" displays.
4. Enter the lock code.



**NOTE :** The lock code is preset to '0000' at the factory.

5. To make the call, press  .  
To exit the function, press .

## ERASING A NUMBER IN MEMORY

 To Erase a Specific Number

1. Press  and  in order.
2. Search the one who want to look by a searching method said previously and The name (if any) displays.
3. Press  on one who want to erase among the list.
4. Press  to erase it. Confirming message displays.
5. To confirm, press . To cancel, press .
6. If you erase a secret one, you have to enter lock code instead of pressing  to confirm.

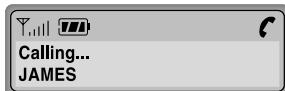
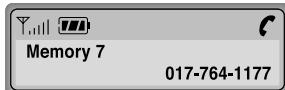


**NOTE :** In order to erase everything in the memory, you must reset the phone.

## ONE-TOUCH CALLING

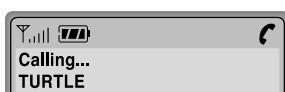
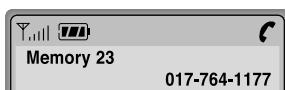
**Memory locations 01 ~ 09 are special one-touch dialing locations. You can dial the numbers stored in 01~09 by pressing one key. You do not need to precede the numbers with a zero when using one-touch dialing.**

1. Pick up the handset or press  .
2. Press and hold the number of the location number and hold it down for at least one second.
3. The number displays and dials automatically.



## TWO-TOUCH CALLING

1. You can easily dial phone numbers stored in memory by pressing the two-digit memory location.
2. Briefly press the first digit of the memory location number, then press the second digit and hold it down for at least one second.  
Example) To dial location 23, briefly press the  , then press  and hold for a moment.
3. The number stored displays and dials automatically.





## *Useful Features*

Call Logs

Electric Dialing

Displaying Your Phone Number

Mute

Silent Scratchpad

Sending Your Phone Number

Selecting Time Mode

Setting the Alarm

Checking and Clearing Call Times

Setting Warning Beeps

## CALL LOGS

Your phone stores the last 10 outgoing calls and the last 10 incoming calls (only when Caller ID function is activated). You can display and redial these numbers.

### Redialing Outgoing Calls

1. Pick up the handset or press .
2. Press  to redial the last outgoing call.  
**NOTE :** If there's no last call record, "MEMORY EMPTY" will appear with an alarm.
3. To display the phone numbers of the last 10 outgoing calls, press , ,  and press  or  until the desired number displays. To redial the number in the display, press .
4. To exit the function, press .



### Returning Incoming Calls

To display a list of recently received calls.

1. Press , , .
2. Press **NOTE :** If there's no incoming call record, "INCOMING CALL MEMORY EMPTY!" message will appear with An alarm.
3. Press  or  until the desired number displays.
4. To redial the number in the display, press .
4. To exit the function, press .



**NOTE :** This function is available only when caller ID is activated.

### Erasing All Numbers in Redial Memory

1. Press , .
2. Press  to select 'Erase Logs', and then press  or  select 'Erase'.
3. Press  to erase all outgoing and incoming numbers.

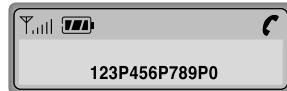


## ELECTRONIC DIALING

**This function is used for a computer service, pager, or home automation provided by a bank or a stock company. If 'SILENT KEY' is set, electronic dialing is not available.**

### Entering a Hard Pause

You can enter a hard pause between numbers by Pressing  while entering digits. The hard pause displays as 'p' on the phone. A hard pause is useful when you access an interactive voice response system, such as an automated banking system.



### Electronic Dialing Using Pause

This method is used to send numbers while you are in conversation. You can use the pause symbol in more than one position. Up to 30 positions are possible, including the pause symbol. You can store them all in memory with a reference number.

1. Pick up the handset or press .
2. Enter the phone number and press .

Pause symbol 'p' will appear in the display.

3. Enter the numbers to be dialed electronically.
4. When the call connects, you are prompted to enter the number to be dialed electronically.
5. Press .



### Electronic Dialing With Several Pause Symbols

You can send more than one series of numbers using more than one pause.

**Ex) '02-541-3000p1234p5678'**

Call the 025413000 number first. Pick up the handset.

When you are prompted to enter the next number, press  and '1234' will be dialed automatically.

After that, if you press  again, '5678' will be dialed.

## DISPLAYING YOUR PHONE NUMBER

You can display your own phone number.

### Displaying Your Phone Number

1. Press  MENU.

2. Press  to select 'Security'.

3. Enter the lock code.

**NOTE :** The lock code is preset to '0000' at the factory.

4. Press  to select 'My Phone#'.  
The screen displays the phone number.



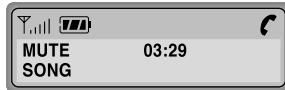
## MUTE

This feature lets you mute the microphone, so that the other party cannot hear your voice or the sound of your surroundings. This function is available only during a telephone conversation.

1. Press  MENU during conversation.

2. Press  to select 'Mute'.

The message 'MUTE' blinks. The other party can no longer hear you, but you can hear them.



3. Press  MENU and  again when you wish to resume the conversation.

The message 'MUTE' disappears from the display and you can speak to the other party.

## SILENT SCRATCHPAD

**You can check your own phone number or press a number during a conversation without transmitting the dial tones to the other party.**  
**This function is available only during a telephone conversation.**

### Turning off the Key tone

1. Press  <sup>MENU</sup> during conversation.
2. Press  to select 'Scratchpad'.

The message 'Scratchpad' displays.

3. Enter the desired number.

There is no key tone when you press the keys during a conversation.



### Turning on the Key tone

1. Press .
2. Press  to select 'Scratchpad'.

The message 'Scratchpad' disappears and the key tone sounds

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**NOTE :** If you do not turn on the key tone, you cannot use ARS (Automatic Response System) service or Call Pager.

## SENDING YOUR PHONE NUMBER

When leaving a message on another party's pager, you may be prompted to enter your phone number. You can conveniently transmit your number to the pager by pressing two keys instead of the entire number. If 'SILENT KEY' is set, you cannot use this feature. This function is available only during a telephone conversation.

1. When the pager prompts to enter your phone number after calling a paging system, press  MENU.



2. Press  to select 'Send Tel #'.  
Your phone number is transmitted automatically.

## SELECTING TIME MODE

1. Press  ,  ,  in sequence.

2. Select one time display mode by pressing  or .

**AM/PM Type** : Time displays with AM/PM.

**24 Hour Type** : Time displays as 24 hour units.

**No Time and Date** : Not display time and date.

3. Press .



## SETTING THE ALARM

You can set the alarm sound daily or one time only.

1. Press  ,  ,  and in sequence.

2. Select one method of alarm by pressing  or .

**Daily** : Alarm sounds daily.

**One time** : Alarm sounds only one time.

3. Press .

If the alarm function is set, 'ALARM TIME', date, present time, and alarm hour displays.

4. Input alarm time.

Hours should be input as 24hour units.

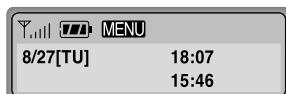
To modify the alarm time, press  or .

You can enter a specific time for the alert to sound.

5. Press  and enter the number of minutes that you want the alert to sound.

6. Press .

When the alarm time arrives, a melody sounds and '<ALARM TIME>' displays. The sound will stop if you press any button.



## Setting / Canceling the Alarm Time

1. Press  ,  ,  and in sequence.

2. Select 'RELEASE' to off alarm. Bell icon disappears.

## CHECKING AND CLEARING CALL TIMES

### Checking the Last Call Time

1. Press  ,  ,  in sequence.  
2. Press  to clear the display.



### Checking Accumulated Air Time

1. Press  ,  ,  in sequence.  
2. Press  to clear the display.



### Reset Accumulated Air Time

1. Press  ,  ,  in sequence.  
2. Select 'YES' by pressing  .  
3. Press .



## SETTING WARNING BEEPS

You can set your phone to sound warning beeps during conversation that indicate:

- each minute you are on a phone call
- when you are out of the service area

1. Press  ,  ,  in order to select '1min Alert'.  
2. Press  or  to choose the status 'ON/OFF'.  
3. Press  .  
4. Press  ,  ,  in order to select 'Svc Alert'.  
5. Press  or  to choose the status 'ON/OFF'.  
6. Press .



## *Advanced Features*

Changing Greeting Message

System Reset

Restricting Use of the Phone

Locking the Phone

Changing the Lock Code

Tone Length

## CHANGING GREETING MESSAGE

This feature lets you change the greeting message that displays when you turn on the phone.

1. Press  MENU.
2. Press  4 'Security'.
3. Enter the lock Code

**NOTE :** The lock code is preset to '0000'.

STORE

4. Press  1 to select 'Greeting', Press .
5. Enter your new greeting message by pressing the alphanumeric keys.

6. Press .

 MENU  
Edit Banner :  
Saeb...

 MENU  
1 : Greeting  
2 : New Code

**NOTE :** Press  MESSAGE to choose Capital, Small and Special character.

## SYSTEM RESET

To reset all of your phone's features to the manufacturer's defaults, follow these steps :

1. Press .
2. Press  4, "Security".
3. Enter the lock code.

**NOTE :** The lock code is preset to '0000'.

4. Press  4 to select 'Reset Phone'.
5. Press  \* or  # to choose the status 'RESET/CANCEL'.
6. Press  STORE. 'Erasing memory...' blinks while the phone is reset.

 MENU  
1 : Greeting  
2 : New Code

 MENU  
Reset Phone  
▶ Reset

**NOTE :** This feature will erase everything in memory, the telephone book inclusive.

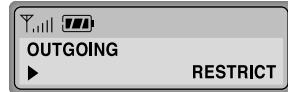
## RESTRICTING USE OF THE PHONE

You can restrict the use of the phone by unauthorized persons. There are 4 restriction modes you can choose as follows :

### Restricting Outgoing Calls

In this mode, the phone cannot originate a call.

If you try to call, 'OUTGOING CALL RESTRICTED' will display.



### Restricting Incoming Calls

In this mode, you cannot answer an incoming call.

If the phone receives an incoming call, 'INCOMING CALL RESTRICTED' will display.



### Restricting Long Distance Calls

In this mode, you cannot make a long distance call.

If you try to dial a long call number, 'LONG DISTANCE CALL RESTRICTED' will display.



### Restricting International Calls

In this mode, you cannot make an international call.

If you try to dial a international phone number, 'INTERNATIONAL CALL RESTRICTED' will display.



## Setting Restriction Modes

1. Press  MENU.

2. Press  4, "Security".

3. Enter your lock code.

**NOTE :** The lock code is preset to '0000' at the factory.

4. Press  3 to select 'Restrict'.



5. Select the desired menu by pressing the number

1. Outgoing, 2. Incoming, 3. Long Call, 4. Intl. Call

6. Press  or  to select the status, 'RESTRICT/CANCEL'

7. Press  STORE.



## Voice Privacy

The voice privacy menu offers protection from illegal wiretapping.

1. Press  MENU.

2. Press  4, "Security".

3. Enter your lock code.

**NOTE :** The lock code is preset to '0000' at the factory.



4. Press  to select "Voice Privacy".

5. Select the desired menu, "Enhance or Standard".

6. Press  or  to select.

7. Press  STORE.



## LOCKING THE PHONE

You can lock your phone so that calls cannot be made by unauthorized persons. You can still receive incoming calls when your phone is locked by entering the lock code when the phone rings. Turning the phone off does not erase this feature; the phone stays in mode until you reset it.

### Locking the Phone

1. Press  MENU.

2. Press  to select 'Security'.

At this time, the display will show 'ENTER LOCK CODE'

  MENU

5. AUTO LOCK  
6. MY PHONE #

3. Enter the lock code.

**NOTE :** The lock code is preset to '0000' at the factory.

  SET LOCK

Never

4. Press  to select 'SET LOCK', and you can set the desired lock state.

Choice "Never, On power up, Now, Always".

The default setting is "Never".

10/11 [FR] 3:19PM  
-LOCKED-

5. Press  or  to select the status, 'SET'.

STORE

6. Press  to auto lock the phone. – LOCKED – displays.

If you try to dial numbers, it will ask you to key in Lock Code.

  MENU

Enter Lock Code

7. If you want to unlock the phone.

8. Follow the same steps above and select

'never' on the step 5.

## CHANGING THE LOCK CODE

**When you purchase your phone, the lock code is preset to 0000. You can change the lock code to any 4-digit code.**

1. Press  MENU.

2. Press  to select 'Security' and then enter the current lock code.

**NOTE :** The lock code is preset to '0000' at the factory.

3. Press  to select 'New Code'.

4. Enter your new lock code.

**NOT E :** The lock code must be four numeric digits.

5. Press  STORE.

6. Re-enter new lock code for verification

7. Press  to confirm.

**NOTE :** If the digits for confirmation is not matched with digits you enter first, 'DO NOT MATCH TRY AGAIN!' displays. You can repeat from step 4. above.



## TONE LENGTH

**Tone Length :** Some phones you call may be able to recognize only long tones. You may have to change the tone length to LONG for some calls that you place.

Press  MENU,  1,  2 : "DTMF Ton Length"



**NOTE :** When calling a paging system, your phone should be in the Short mode.



## *Optional Features*

Call Forwarding

Call Waiting

Three-Way Calling

Message Service

## CALL FORWARDING

Call Forwarding is a feature on your phone that lets you forward your incoming calls to another phone number, even if your phone is turned off. Also, you can receive calls while Call Forwarding is activated.

Contact your service provider to activate Call Forwarding.

## CALL WAITING

Call Waiting alerts you to a second incoming call while you are on the phone.

To respond to a call waiting, press  or the hook switch.

Contact your service provider to activate Call Waiting.

## THREE-WAY CALLING

Three-Way Calling is a feature on your phone that lets you set up a three-way conversation with two other persons.  or the Hook switch is used with Three-Way Calling.

Contact your service provider to activate Three-Way Calling.

## MESSAGE SERVICE

**Message Service can be used only when provided by your CDMA service provider. Check that the CDMA service provider you use is providing message service before using this function. The messages are stored in the order they are received. If there are messages that the user has not checked,  icon will display.**

## Sending Text Messages

MESSAGE

1. Press  ,  ,  . in sequence.

STORE

2. Enter the dial number and Press  .

3. Write message using the alphanumeric keypad.

MESSAGE

**Note :** Press  to choose capital, small letters and special character.

STORE

4. Press  . A call back number will show your phone number automatically.

It can be changed as you like.

STORE

5. Press  . Select message type NORMAL, URGENT, EMERGENCY, using  or  .

**Note :** Emergency or Urgent message is available only when your service provider support it.

STORE

6. Press  to send the message.

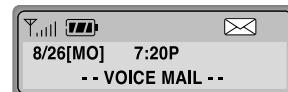
**Note :** Sending text message is available only when your service provider support it.



## Receiving Voice Messages

1. If a voice message is received, '--VOICE MAIL--' and  will display.

RECALL



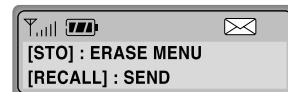
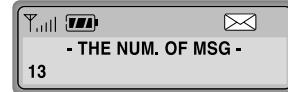
2. Press  to connect voice mail center and hear the message.

RECALL



3. Press  again to call back if the caller leaves a phone numbers.

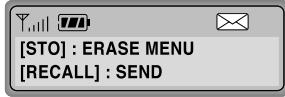
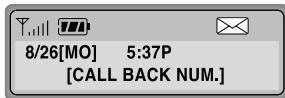
**Note :** If the phone number is stored in the phone book with a name, the name will display instead of the phone number.



## 📞 Receiving Text Messages

1. If a text message is received, CALL BACK NUMBER and  display.
2. Press  or  scroll down the message.
3. Press  and one more  to show the number.
4. Press . The message will erase.

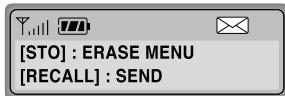
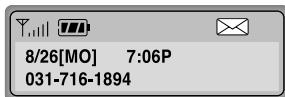
**Note :** If the phone number is stored in the phone book with a name, the name will display instead of the phone number.



## 📞 Receiving Page Messages

1. If a page message is received, PHONE NUMBER and  will display.
2. Press  to call back or  to erase Page message.

**Note :** If the phone number is stored in the phone book with a name, the name will display instead of the phone number.



**Note :** If the incoming message tone is operating, a beep tone will be sound at intervals of two minutes until you check the message. If a new message is the same as the previous message, 'DUPLICATE' will display.



## Checking Received Voice Messages

MESSAGE

Press  and **1** in sequence.

The message volume which is stored in the voice service center and the last received time will display.



## Viewing Received Text Messages

MESSAGE

1. Press  and **2** in sequence.

The received message list will display.

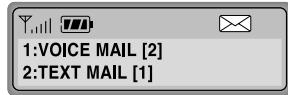
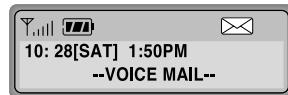
2. Press  or  select message you want to see.

3. Press  <sup>STORE</sup>. Received message and time will display. If there is a phone number, it will display as well. If the message is long, it will scroll down in 3 seconds automatically. Press  or  to scroll up and down manually.

4. Press  twice if you want to call back.

5. To view the next message, press  <sup>CLEAR</sup>.

The screen will return to step 2 above.



## Erasing the Selected Message

MESSAGE

1. Press  and **1** or **2**.

2. Press  or  to select the message you want to erase.

3. Press  <sup>STORE</sup>. The message will display.

4. Press  once more.

5. Press  again to erase the message.

Press  <sup>CLEAR</sup> to cancel erasing.



## Clearing All Received Messages

MESSAGE

1. Press  in sequence.
2. Press to select 'ERASE/CANCEL'
3. Press .



## Setting Message Lock

MESSAGE

1. Press  and  in sequence.
2. Press to select 'SET/RELEASE'
3. Press .



If you set message lock, the phone will ask Lock Code whenever you press .

**NOTE :** The lock code is preset to '0000' at the factory.

## Setting Message Alert

MESSAGE

1. Press  and  in sequence.
2. Press to select 'SET/RELEASE'
3. Press .



If you set the message alert, the LED will blink with an alert when a message arrives. If you release the message alert, the LED will blink without an alert.

## *Miscellaneous*

Menu Option Table

Conversation and Message Menu

FWT Setting

Specifications

## MENU OPTION TABLE

I	II	III	Explanation
1: Sound	1: Hand Set Vol		Adjust the volume on earpiece when to conversation.
	2: DTMF Ton Len	Tone Length short / long	Sets length of tone (when DTMF number is sent) to short or long
	3: Key Volume		Adjust Key Volume
2 : Ring / Alert	1: Ring Type	Ring Type Bell + Lamp / Lamp	Determines whether the phone alerts the incoming call with sound and lamp or only with lamp
	2: Ring Tone	Ring Tone Monotone1~6/Melody1~4	Selects ring sound
	3: Ring Volume	Ringer Volume	Adjusts the ring volume
	4: 1 min Alert	1 min Alert On/Off	Determines whether alert beeps at one minute intervals when you make or receive a call
	5: Svc Alert	Svc Alert On/Off	Determines whether alert beep should sound when you are out of the service area
	6: Alarm Tone	Alarm Tone Monotone1~6/Melody1~4	Selects alarm sound
3 : Time	1: Alarm	Set/ Release	Sets/ Release an alarm
	2: Call time		Shows the time of last call made
	3: Air Time		Shows accumulated call time
	4: Clr Air Time	Clear Air Time Yes/No	Resets accumulated call time
	5: Select Time	Select Time No Time & Date/ AM/PM/24 Hours	Selects time expression mode
4 : Security	1: Greeting		Used to change greeting
	2: New Code		Used to change lock code
	3: Restrict	1. Outgoing	Used to limit outgoing calls
		2. Int. Call	Used to limit international call
		3. Receive Call	Used to limit incoming calls
		4. Long Call	Used to limit long distance calls
	4: Reset Phone	SYSTEM RESET RESET/CANCEL	Returns the phone to factory setting
	5: Auto Lock	AUTO LOCK SET/RELEASE	Used to lock the phone
	6: My Phone#		Used to check your phone number
	7: Voice Privacy	Standard / Enhanced	Protect illegal wiretapping

\* The lock code is preset to 0000 at the factory.

## MENU OPTION TABLE

I	II	III	Explanation
5: Phone Book	1 : Search	SEARCH OPTION NAME / MEMORY / NUMBER	Used when searching for a phone number in the phone book by all/number/stored memory reference number
	2 : Erase	SEARCH OPTION NAME / MEMORY / NUMBER	Used when erasing a phone number in the phone book by memory and number
6: Call Logs	1 : Outgoing		Stores ten phone numbers called most recently
	2 : Incoming		Stores ten phone numbers of calls received most recently
	3 : Erase Logs		Erase outgoing / Incoming log
7: Settings	1: Auto SendTime	1 Sec~10 Sec, No	Auto SendTime Setting
	2: Language	English Espanol Indonesia	Language Setting
	3: Rx Data Mode	Data/fax off Fax/Next call Fax until off Data/Next call Data until off	Data Receiving Mode Setting
	4: SIO	1. Port Map	Data Port Setting
		2. DS Baud	Data Service Rate Setting
		3. Diag Baud	DM Rate Setting
	5: Audible Tone	Default Latin America East Europe China/Siria Nicaragua India	Dial tone Setting

\* At MENU, press “” to return to the previous menu.

## FWT SETTING

### AUTO SENDTIME SETTING

#### It automatically call in certain interval of after number-key-dialing

1. Press MENU, 7, 1 in sequence
2. Select preferred Auto SendTime by pressing \* or # key.
  - 1 Sec~10 Sec : It automatically call after Dialing 1 Sec~10 Sec.
  - No : If press recall key after dialing Dial, it will be connected to the number.
3. Press STORE key to save preferred Auto SendTime.



### LANGUAGE SETTING

#### Change the setting of preferred language

1. Press MENU, 7, 2 in sequence.
2. Select a preferred language by \* or # key.
3. Press STORE key to save a preferred language setting.



### DATA RECEIVING MODE SETTING

#### You can select the receiving mode of Voice, Fax, Async Data in receiving call.

1. Press MENU, 7, 3 in sequence
2. Select a preferred DATA Receiving Mode by \* or # key.
  - Data/fax off : Lift the DATA, FAX Receiving Mode.
  - Fax/Next call : It will perceive only the next call as the FAX call.
  - Fax until off : It will perceive all of the calls as the FAX call.
  - Data/Next call : It will perceive the next call as the Data call.
  - Data until off : It will perceive all of the calls as the Data call.
3. Press STORE key to save the preferred DATA Receiving Mode.



## SERIAL PORT MAP SETTING

**You can select UART cable or USB cable in using DATA service.**

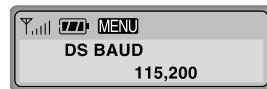
1. Press MENU, 7, 4, 1 in sequence
2. Select the port map to be used in Data Service.
  - " U1 -- " : to use UART cable to use Data Service.
  - " USB U1" : to use USB cable to use Data Service.
3. Press STORE key to save the preferred Port Map. It will reset.



## DATA SERVICE BAUD RATE SETTING

**You can use a suitable BAUD RATE according to the kind of the DATA communicaiton.**

1. Press MENU, 7, 4, 2 in sequence.
2. Select a Baud Rate to be use in Data Service.  
(9600, 19200, 38400, 57600, 115200, 230400 Bit/Sec)
3. Press STORE key to save a preferred Baud Rate.



## DIAL TONE SETTING

**To set the dial tone of hanging the handset or pressing the speaker key.**

1. Press MENU, 7, 5 in sequence
2. Select a preferred Dial Tone by use \* or #.  
(Default, Latin America, East Europe, China/Siria, Nicaragua, India)
3. Press STORE key to save a preferred Dial Tone.



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## CONVERSATION AND MESSAGE MENU

### During a Telephone Conversation

- 1 : MUTE
- 2 : Hand Set Vol
- 3 : SEND TEL#
- 4 : Scratchpad

### Message Menu

- 1 : VOICE MAIL
- 2 : TEXT MAIL
- 3 : MESSAGE SENDING
- 4 : MESSAGE ERASE
- 5 : MESSAGE OPTION

## SPECIFICATIONS

Frequency Range	CWF-1x800 CWF-1x1900	Tx : 824 ~ 849MHz Rx : 869 ~ 894MHz Tx : 1850 ~ 1910MHz Rx : 1930 ~ 1990MHz
Channel Bandwidth	CDMA 1.25 MHz	
Size(mm)	167(L) x 179(W) x 41(H)	
Weight	650g (without battery)	
Max Output Power	23 ~ 25dbm / 1.23MHz	
Operational Temperature	-10°C ~ +50°C	
Operational Humidity	5% ~ 90%	
AC Adapter	Input : AC 110/220V, 50 ~ 60Hz	Output : DC 5V 2A
Battery Backup Time	Stand-by	72hours (Slot Cycle Index : 2)
	Talk	2hours

\* Battery Backup Time depends on the battery capacity.

March, 2006 Revision

**- Additional Page -**

### **FCC Compliance Information**

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received.

Including interference that may cause undesired operation.

### **Information to User**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ tv technician for help.