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Features of the Product

This product is a portable terminal designed for digital communication using the up-to-date communication technology CDMA (Code Division Multiple Access) to fulfill better communication services for users. Please review this users manual prior to using this product.

One

Korean Menu, Korean LCD

Up to 27 Korean characters can be displayed on one LCD. You can use desired functions through simple operations. Of course, you can use English menus.

Two

Support of Korean/ English mixed SMS.

The phone can receive Korean message. It supports a Korean message up to 40 × 30 Korean characters such as simple formal messages, contact numbers and information.

Three

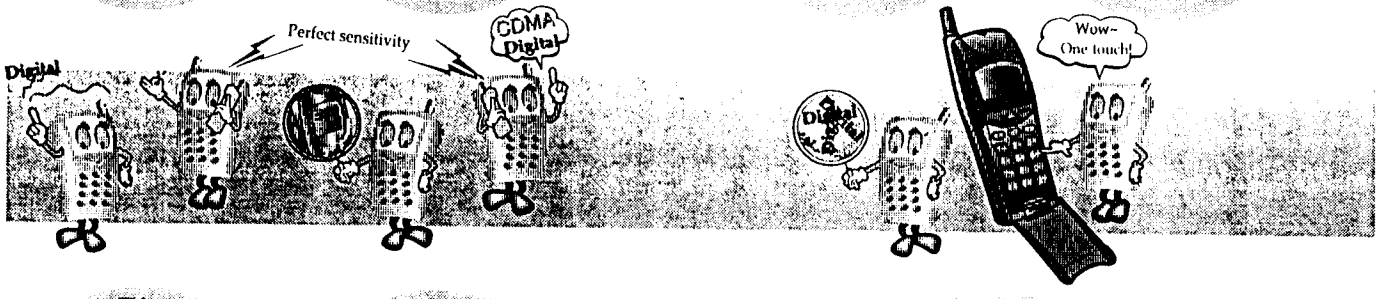
More clear call quality by adopting EVCR

A new vocoder technology EVCR was adopted to assure the most distinguished call quality under various environments.

Four

Long-run battery with power save function

Lithium ion battery and super power-saving design supports maximum 58 hours standby and maximum 140 minutes continuous call time.



Five

The telephone book function first in the nation that can store up to 500 numbers

You can conveniently search, store and call to 500 phone numbers using the jog dial. (Korean and English names can be used.)

Six

Various supplementary functions

Various supplementary functions such as biorhythm checking, melody editing, area code automatic insertion, vibration, ear microphone function and adoption of the etiquette mode first in the nation.

Seven

The first super-compact flip type human-engineering design in the nation

Super-compact flip type of handy size and the jog dial are adopted and the frequently used [Send/End/SMS] buttons are located at the top of the flip, so that you can use it without opening/closing the flip.

Chapter 1

Before Using

Precautions

Full-charge the battery when you first use the phone.

Do not use at a high temperature and humid place. Repairing may be impossible if it gets wet in the rain or with drinking water.

Do not disassemble or modify the phone.

Avoid vibration and impact and keep the phone at a safe place to avoid damages when you do not use it.

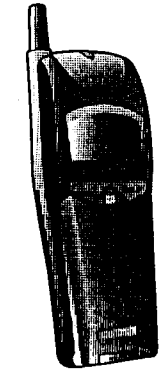
Lower the antenna or do not touch it during a call.

Do not clean the phone with chemical liquids such as solvent or thinner.

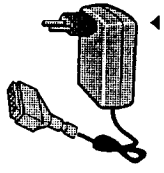
Do not use at a place with an explosive materials or flammable liquid.

Check the contents

Thank for purchasing this product. First, please check if the contents of the product agree with the parts given in the figure below.



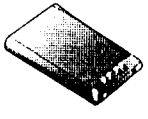
◀ Phone



◀ Portable Charger

◀ Holder

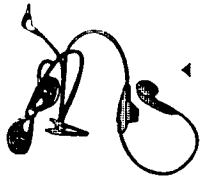
◀ User's Manual



◀ Standard Battery

◀ Table of Functions

◀ Portable Loop



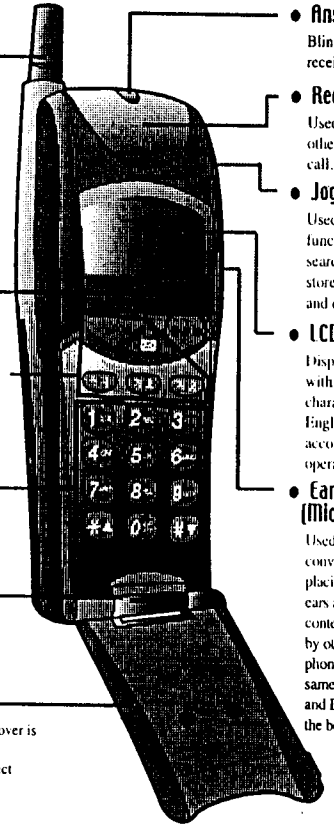
◀ Ear Microphone

Note

Check total eight items of the contents and please immediately inform the distributor if there is any defect in the product.

Name and Function of Each Part

Part Name of Body



Antenna
Raise the antenna during a call for best call quality.

Power Button
Used to turn on or off the phone

Function Buttons
Include call, SMS, character, symbol and delete buttons

Dial Button
Used to enter phone numbers or English characters.

Microphone
Used to speak to the other party during a call.

Cover
A sensor attached to the cover is used to receive a call or terminate a call or to protect button pressing.

Answering Lamp
Blinks during calling or receiving.

Receiver
Used to listen to the other party during a call.

Jog Dial
Used for various functions such as menu, search, button lock, store, volume adjusting and character input.

LCD Screen
Displays information with up to 27 Korean characters and 56 English characters according to users operation.

Ear Phone (Microphone)
Used to make a call conveniently without placing the phone to the ears and to make the contents of call not heard by others. [The ear phone button is used the same as the button (Send and End are possible.) of the body.].

Name and Function of Each Part

Functions of Jog Dial

① Jog Dial Push

You can use this to set a function menu or to call a phone number.

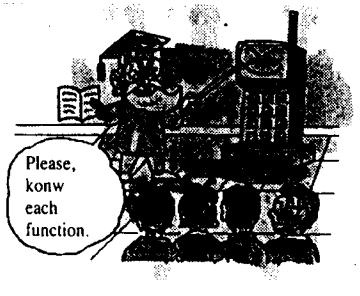
② Jog Dial Up

You can search the function menus of the telephone book or calls according to the call history. Also, you can set the display speed to one or two steps (slow, fast).

③ Jog Dial Down

Used to search names and numbers of the telephone book and to search the function menus. Also, you can set the display speed to one or two steps (slow, fast).

④ You can set/release the button lock by pushing the jog dial long when the cover is closed.



Name and Function of Each Part

Function Buttons

Used to enter a submenu or store the setting value and to make a call or receive a call.

Used to terminate the call and to exit from the current menu or turn on/off the power.

Used to check text and voice messages and to set/release the etiquette mode by pressing this button long.

Used to erase characters or numbers displayed on the screen or to exit from the current menu.

Used for the time machine function and it is used to enter or edit special characters.

Used to enter or edit various characters.

Used to select the contents on the LCD with the scroll button.

It is used the same as the jog dial up or down function but it is not used in searching the telephone book.

Status Display and Function

(Signal Strength)
The strength of the signal received is indicated with the number of bar(0~6).

(Roaming)
Indicates that you are in other service area beyond your service area.

(Service/No Service)
Indicated as ☎ in a service available area and as in a service unavailable area.

(Busy)
Indicated during call attempt or calling.

(Short Message Service)
Blinks when there are text or voice messages received.

(Digital Mode)
Indicated during calling or standby in digital mode.

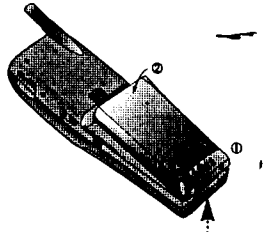
(Ringer/Vibration Selection)
Indicated as when the ringer mode is selected and as when the vibration mode is selected.

(Battery Power)
Indicates the current battery power with the number of bar (0~4).

Battery Installation and Removal

Battery Installation

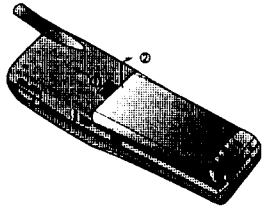
1. Adjust the battery to the battery installing mark as shown in ① and then press it tightly in direction ② until it snaps.



Note: Verify that battery is properly installed as the phone may not work or the battery may be ejected in use if it is not installed tightly.

Battery Removal

1. Pull the battery removal tab of the phone with one hand in direction ① and then remove it in direction ②.



Battery Charging

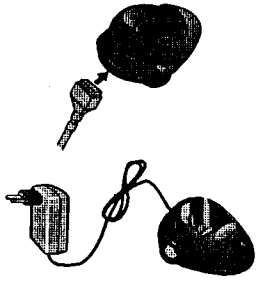
Charging Progress Status

- The battery is not charged upon purchasing. Use the phone after charging it fully.

1 *Power Connection*

Connect the jack of the portable charger into the connector on the rear side of the holder and then insert the power receptacle into the plug.

- The charger can be used free for 110V or 220V. After power on, the orange lamp blinks once.

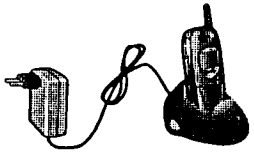


2 *Charging battery only*

Insert the battery into the charging slot in order to charge just the battery.

3 *Charging phone with battery installed*

Install the battery to the phone and then insert it into the charging slot.

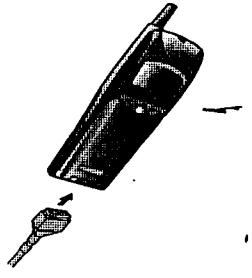


Battery Charging

4 *Charging during traveling*

Connect the jack of portable charger to the connector at the bottom of the phone.

- Be sure to make a call and charge the phone with the portable battery installed.



5 *Charging Completion*

The red lamp turns on during charging and the green lamp is lighted after charging is completed.

- Charging time may be delayed or charging efficiency may be degraded if the phone is charged in power on state or with the portable charger.
- There is no influence on the phone or charger even it is left with the green lamp on.
- Please charge the battery if the alert tone sounds from the phone and a message Battery Low Power is displayed on the LCD.
- As the memory may be damaged if the power goes off after a message Power off by battery low power is displayed on the LCD, do not turn on the power but immediately replace the battery or charge the battery.

Note

If the lamp dose not turn on at all or the red lamp blinks, check the contact part of the battery.
If it does not work normally after repeating the above 4~5 times, contact a near service center.

Battery Charging

Battery Full Charging Time

Battery Type	Standard Battery
Charging Time	About 300 minutes

Battery Run time(Based on a new battery)

Battery Type / Status		Standard Battery
Continuous Call		110~140 Minutes
Continuous Standby	Slot Mode 1	23 ~ 24 Hours
	Slot Mode 2	29 ~ 58 Hours

- As power consumption in active call state is more than in standby state, the standby time becomes short as the call time increases.
- Battery run time depends on environment condition such as temperature and charging state, habit of using the phone, radio condition at a service place and key pad lighting time selection.
- Digital continuous standby time may differ depending on the slot mode related service type of the mobile communication system of a service carrier.
- Slot mode means the communication cycle between the mobile communication system and the phone in digital continuous standby. The lower the slot mode is, the more frequent the communication is, so the shorter the standby time is as the power consumption increases.

As the battery is a consumable, the warranty period is six months.

Efficient Use of Battery

1. Do not place the battery near fire and do not disassemble it and connect pins.

   There may be a danger of explosion.

2. Do not give a strong impact to the phone nor drop it.

   Pay attention as the battery inside the battery pack may be adversely affected and its lifetime may be shortened.

3. Be sure to use the specified battery and the dedicated charger.

   Be sure to use the specified ones as the body and the battery may be damaged or explode.

4. As the battery is a consumable, the run time decreases slowly according to repeated charging/discharging.

   Purchase a new one if the run time decreases below a half compared with the battery provided upon purchasing.

5. The phone or battery has a good charging efficiency at a normal temperature.

   Do not charge the battery at a place with direct lays of light or direct contact of heat from a heater or wind from an air conditioner.
   Charging efficiency will decrease if it is too hot or cold and charging will restart at a normal temperature.

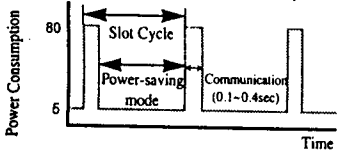
6. Keep the battery at a normal temperature.

   Capacity of the battery decreases and its lifetime becomes short if the battery is left in a car with the windows closed in summer or at a place too hot or cold for a long time.

Battery Run Time According to Service Environment

Slot Mode

When a phone is in standby state, the system sends information required for the phone with the specified cycle. In this case, it is called that the phone operates in slot mode and the cycle is called slot cycle. Available slot cycle types are 0 ~ 7 and the phone works in a power-saving mode to reduce battery power consumption while it is not communicating with the system.



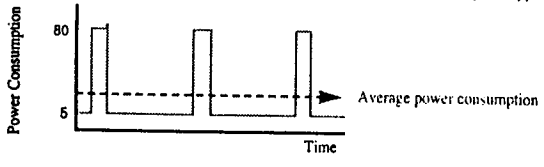
Power-saving mode duration
Slot cycle type 0: 1.28sec
(Highest battery power consumption)
Slot cycle type 1: 2.56sec
⋮
Slot cycle type 7: 163.84sec
(Lowest battery power consumption)

- Battery run time depends on slot cycle types which are used diversely according to service carriers and service areas.

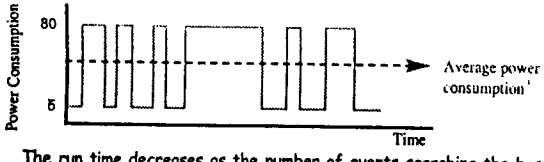
Service Environment and Battery Run Time

- Normal

Depends on slot cycle types.



- Downtown area with closely installed base stations and during moving



The run time decreases as the number of events searching the base station increases.

- When you are in a no service area for a long time, the power consumption is as much as the power consumption in slot cycle type 0.

MEMO

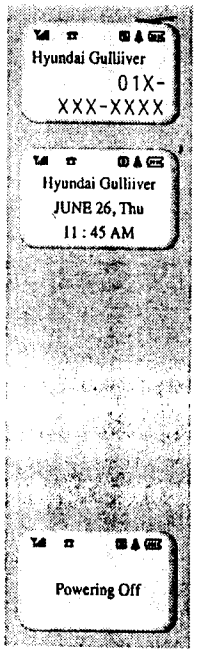
Chapter 2

Basic Operations

Basic Operation of the Phone

To turn on the phone

1. Press [ ] button until the lamp turns on.



- After power on of the phone, all indications (screen and indicators) will appear on the LCD for a while and disappear and then the message Hyundai Electronics HGC-900 and your phone number will be displayed in turn. Then, the receive field strength and battery voltage indicator will be displayed in turn. If you are in a no service area, will be turns on.
- If the battery voltage is extremely low, the phone will go off immediately and, if very low, Battery Low Power will be displayed on the screen and the alert tone will souns periodically.
- If the Lock Code? message is displayed on the LCD, as the phone is in lock state, enter a four-digit lock code to unlock it (Refer to page 97.).
- An error message displayed on the LCD indicates a fault of the phone. Please contact a near service center in that case. (Emergency calls (Ex: 112, 113, 119) can be serviced even in lock state.)

To turn off the phone

1. Press [ ] button until the lamp turns on again.

Be sure to turn off the phone using the [ ] button. call time, previous call and priority area code may not be stored normally if you turn off the phone by removing the battery.

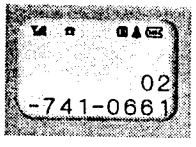
- In the event of abnormal operation during using the phone or power failure, remove the battery, install it again and then turn on the power.
- To turn off/on the phone, turn on the power after at least five seconds after power off.

Basic Operation of the Portable Phone

To make a call

Area Code ○ Phone Number ○ [▼]

① If [icon] is lighted on the LCD, please escape from the present area as you are in a no service area.

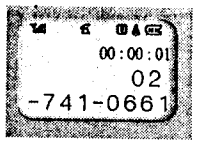


② Enter the area code and then a phone number.

- You can enter up to 32 digits for a telephone number.
  Ex) To call 408-7722 in Seoul, press 024087722.
- To correct a wrong number entered ([ ] Button)
  - Correct one digit: Press [ ] button short.
  - Correct all: Press the [ ] button longer than one second.

③ Press [▼] button.

- [icon] will be lighted on the LCD and the phone number to be connected will blink. If the call is connected, call time will be displayed, otherwise Connection Fails message will be displayed.



④ If the called party is busy, press [▼] button and then press [▼] button.

⑤ Press [▼] button after the call is finished.

- To dial the phone number called last, adjust the [Jog] button up to display phone numbers by call history. Select a desired number and press the jog button. Then, the phone number will be displayed and the call will be connected if you repress the jog button again.

Note

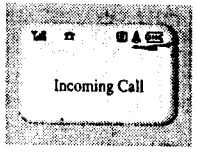
- To recall the phone number called last, press the [Send] button. (If the ear microphone is used, press the button of the ear microphone to connect a call and press the button again to disconnect the call. This operation is allowed even the cover is closed.)
- [icon] is lighted on the LCD, please escape from the present area as you are in a no service area.
- If automatic area code dial function is set, you need not enter the area code.(Refer to page 65 for automatic area code dial function setting and release.)
- You can not make a call with collect call service (080).

Basic Operation of the Portable Phone

To receive a call

① The receive lamp blinks and the ringer rings.

- Refer to p.66 to change the receive mode (Ringer/Vibration/ Vibration + Ringer)
- Default receive mode upon purchasing is Ringer.



② The call will be connected automatically when you open the cover.

- You can connect the call by pressing [jog]/ [▼] [▼] [▲] buttons even the cover is closed.
- If you set the automatic answering function to receive calls automatically, the ringer will ring by the count specified and then the call will be connected automatically (Refer to p.69.)

③ When the call is connected, [icon] and the call time will be displayed on the screen. Press the [▼] button or close the cover to terminate a call.

Chapter 3

Memory Function

To store a phone number preferentially

You can store maximum 500 phone numbers frequently used in the memory and make a call fast and conveniently using various call methods. The phone numbers stored are automatically aligned in the order of names (Korean/English) and numbers and the same information is not to be stored .(The memory stored in a group is displayed overlapped on the telephone number list screen of the group, but they are the same memory.)

Phone Number → Character → Enter Name → Jog → Jog ↕ → Jog

1 Press a desired phone number and then press [Character] button.

- A message requesting a name entry will be displayed on the LCD.

If 500 numbers have already been stored when [ ] button is pressed, All memories were used will be displayed and the screen will return to the initial LCD.

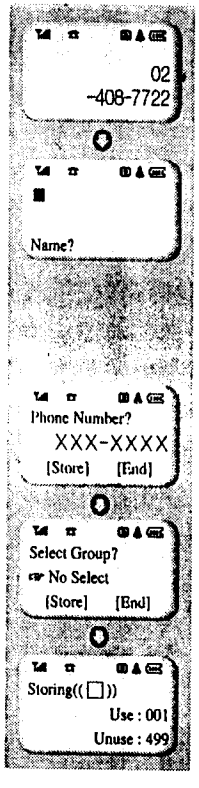
2 Enter name.

- Use the [Jog] button for a Korean name and use the dial button for an English name.
- If you need not store the name, press the [Jog] button to store it directly.
- If you need modification of the number and additional input after name input, press [Character] button. Then, the screen will automatically return to the phone number input LCD.
- Refer to page 29 to enter Korean characters and page 31 to enter English characters or special symbols.

3 Press the [Jog] button.

- A message asking a grouping of the phone number entered will be displayed
- Select a desired group for group setting. Otherwise, select No Group.

4 Press the [Jog] button to store it.



To store a name preferentially

Character → Enter Name → Character → Enter Phone Number → Jog → Jog ↕ → Jog

1 Press [Character] button to enter a name.

- A message requesting a name entry will be displayed on the LCD.

2 Enter name.

- Use the [Jog] button for a Korean name and use the dial button for an English name.
- If you need not store the number, press the [Jog] button to store it directly.
- Refer to page 29 to enter Korean characters and page 31 to enter English characters or special symbols.

If 500 numbers have already been stored when [ ] button is pressed, All memories were used will be displayed and the LCD will return to the initial screen.

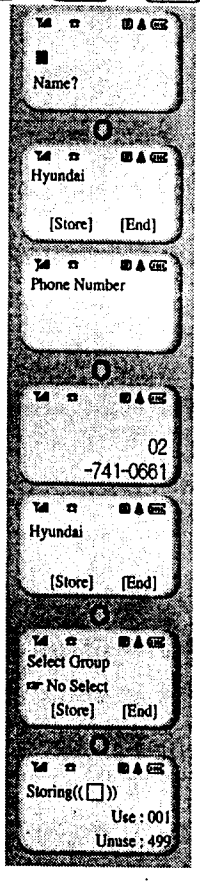
3 Press the [Character] button and enter a phone number.

- A message asking a grouping of the phone number entered will be displayed.

4 Press the [Jog] button.

- Select a desired group for group setting. Otherwise, select No Group.

5 Press the [Jog] button to store it.



Korean character input using the [Jog] button

1 Control the [Jog] button down on the LCD asking a name.

- A screen to select the initial sound of a desired Korean name will appear.

2 Select the initial sound of the name.

- Control the [Jog] button Up to move the cursor to the left on the LCD.
- Control the [Jog] button Down to move the cursor to the right on the/LCD.
- Press [ ] button to enter a special symbol.
- Moving cursor
  - Up/Down: [/]
  - Left/Right: [/]

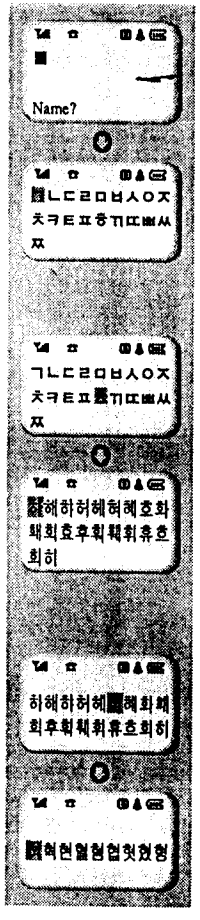
3 Press the [Jog] button.

- A screen to select initial sound + vowel of Korean character will appear.
- Press Delete button to move to the previous step.

4 Select initial sound + vowel of the character.

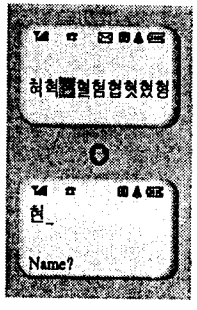
5 Press the [Jog] button

- A LCD to select initial sound + vowel + final consonant of the Korean character will appear.



Korean character input using the [Jog] button

6 Select initial sound + vowel + final consonant of the character.



7 Press the [Jog] button.

- The complete character will be displayed.
- The cursor will automatically move to the next space after one character is entered.

8 Repeat the above until all of the desired characters are entered

- Refer to page 31 English character input using character buttons to enter English characters.

9 Press the [Jog] button after all of the desired characters are entered.

- Correct wrong characters using [ ] button.
- Correct one character: Press [ ] button short.
- Correct all: Press [ ] button longer than one second.

Note

You can store maximum eight characters.

English character input using the [Character] button

Note

English Character, Number Input

❶ Press the dial button to select a character to be entered.

- The dial buttons will be changed in the following sequence whenever they are pressed.

Dial Button	Once	Twice	Three Times	Four Times
1QZ&	Q	Z	&	1
2ABC	A	B	C	2
3DEF	D	E	F	3
4GHI	G	H	I	4
5JKL	J	K	L	5
6MNO	M	N	O	6
7PRS	P	R	S	7
8TUV	T	U	V	8
9WXY	W	X	Y	9
0OPER	O	-	-	-

❷ Press the [ ] button to enter the following characters.

- The [ ] button moves the cursor to the left with deleting the characters on the LCD.
- The [ ] button moves the cursor to the right.
- The cursor automatically moves to the next space two seconds after selecting a character.

❸ Repeat the above until all of the desired characters are entered.

- You can store up to 8 Korean characters and up to 14 English characters.

❹ Correcting characters when wrong characters are entered.([ ])

- Correct one character: Press [ ] button short.
- Correct All : Press [ ] button longer than a half second.

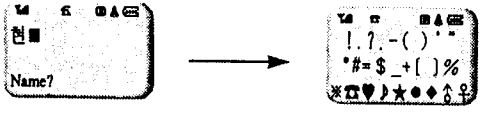
Special symbol input using the [symbol] button

Special Number Input

❶ Press [Symbol] button during character input. Then, the screen to enter special symbols will appear.

<Special symbol input screen in English mode>

<Special symbol input screen in Korea mode or Short Message Service (SMS) mode>



❷ Locate the cursor on a desired symbol and press the [Jog] button.

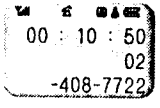
❸ Repeat the above until all of the desired special symbols are entered.

- Moving cursor
  - Up/Down: [/]
  - Left/Right: [/]

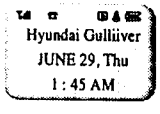
To store phone numbers automatically in the telephone book

Call history for maximum 500 numbers is automatically stored in the telephone book. The history is stored based on outgoing calls and the identical information is stored just updating the call details. The call history is aligned in the order of call time in the telephone book.

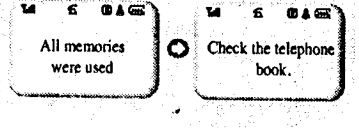
❶ Press [ ] or close the cover after call is finished.



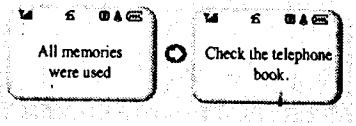
O



- Call details are automatically stored and the LCD automatically returns to the initial screen.
- If all of the 500 memories are used, the oldest one of the numbers not protected will be deleted automatically and the new number will be stored.
- In this case, the following alert message will be displayed.



- As it is impossible to store outgoing numbers if all of the 500 memories are used and coded or each memory has never attempted a call, a new phone number will not be stored. In this case, the following alert message will be displayed.



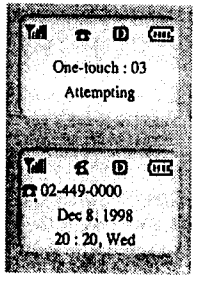
To use the stored numbers

This section describes various methods to dial maximum 500 phone numbers stored in the telephone book.

One-Touch Dialing Function

You can assign the frequently used phone numbers to memory a location number 00~09 and directly dial the ten numbers designated without pressing [▼] button. (location number 00 is used for the international call function.)

1 Press the one-touch number longer than one second or dial the one-touch number and press the [▼] button to attempt a call to the phone number corresponding to the one-touch number.



- The content of memory assigned to the one-touch location number will be displayed on the screen and the number will be dialed automatically.
- If the number entered is not assigned to an one-touch number, Not assigned message will be displayed along with the one-touch number.
- If no number is entered in the memory assigned to an one-touch number, No number will be displayed along with the one-touch number.
- If the memory dial assigned to a one-touch number is stored with phone number hide function (Refer to P.52), the phone number will not be displayed but indicated as *********.
- If the area code automatic insertion function (Refer to p.65) is set, the area code will automatically be inserted into the number entered by one/two-touch dial. This function does not affect dial.

Two-Touch Dialing Function

You can assign the frequently used phone numbers to memory location number 10~99 and directly dial the 90 numbers assigned without pressing [▼] button.

1 Press the first digit of a memory number (10~99) short and the second digit long.

- The phone number of the memory location number will automatically be displayed on the LCD and the number will be dialed automatically.

To use the stored numbers

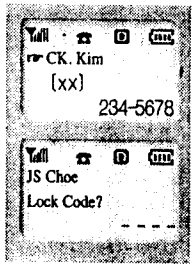
You can display the stored phone numbers including one-touch dialing and dial a desired number after checking the content of memory.

Call after checking the content of one(two)-touch numbers

Enter Number ○ Jog ○ Jog↑ ○ Jog

1 Enter a desired one-touch number on the initial screen.

- Allowed location numbers are 01 ~ 99.



2 Press the [Jog] button to display the detailed information on the phone number assigned to the specified number.

- If a phone number is not assigned to the specified number, One-touch: XX not assigned will be displayed and the LCD will return to the initial screen.

3 Adjust the [Jog] button up and down to indicate a desired phone number.

- [Jog] up moves the cursor forward and the [Jog] down moves the cursor backward.
- If the lock function is enabled, a message asking the lock code will be displayed on the LCD and the number will not be displayed unless the lock code of four digits is entered. If the lock code is entered, the lock state stored for the other location numbers will be unlocked.
- Press [▼] or [CLR] to cancel the one-touch display.

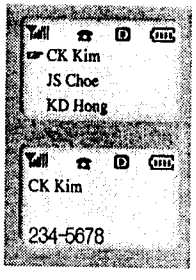
4 Press the [Jog] button or [▼] button to make a call to the phone number indicated.

To use the stored numbers

Call using a name and a phone number

Jog↓ ○ Jog ○ Jog

You can conveniently call up to 500 phone numbers stored in the memory in the order of names (Korean/English) and numbers using the [Jog] button.



1. Adjust the [Jog] button down on the initial screen.
   - Group name and the phone number list stored will be displayed on the LCD.

2. Adjustl the [Jog] button Up or Down to select a desired phone number and press the [Jog] button.
   - Detailed information on the selected phone number will be displayed on the LCD.
   - To display additional information on the selected phone number, see page 40 Time Machine function.

3. Press the [Jog] button or [ ] button to make a call.
   - The number displayed on the LCD will be dialed automatically.

Note

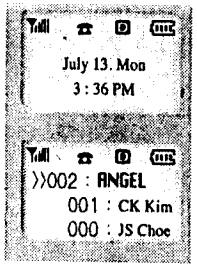
- Use [ ] button to return to the previous screen.
- Use [ ] button to return to the initial screen at any step.
- No Item_ message will be displayed if there is no more telephone number. Place the cursor on _No Item_ and press the [Jog] button to return to the initial screen.
- If there is a group registered in the memory, the group will be displayed and then the memories in which names are entered will be displayed in the order of the names. Finally, the phone numbers entered without name will be displayed.
- You can make a call on the phone number list screen using [Send] button or [Jog] button.

To use the stored numbers

Call using the call history stored

Jog↑ ○ Jog ○ Jog

You can conveniently call up to 500 phone numbers stored in the memory according to the call history using the [Jog] button.



1. Adjust the [Jog] button up on the initial LCD.
   - The phone number list stored according to the call history will be displayed on the screen.

2. Control the [Jog] button Up or Down to select a desired phone number and press the [Jog] button.
   - Detailed information on the phone number selected will be displayed on the LCD.
   - To display additional information on the selected phone number, see page 40 Time Machine function.

3. Press the [Jog] button or [ ] button to make a call.
   - The number displayed on the LCD will be dialed automatically.

Note

- Use [ ] button to return to the previous screen.
- Use [ ] button to return to the initial screen at any step.
- No Item_ message will be displayed if there is no more telephone number. Place the cursor on _No Item_ and press the [Jog] button to return to the initial screen.

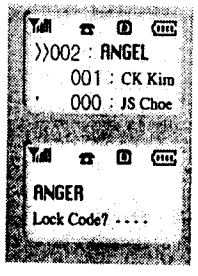
To use the stored numbers

Call using a hidden phone number

Jog ↕ → Jog → Enter Lock Code → Jog

Hidden numbers set are not displayed on the LCD during phone number searching and you can call the numbers only if a correct lock code is entered (You can neither call nor search phone numbers unless you know the lock code).

1. Adjust the [Jog] button Up or Down on the initial screen.
   - The stored telephone numbers will be listed on the LCD.



2. Adjust the [Jog] button Up or Down to select a desired phone number and press the [Jog] button.
   - If the selected number is a hidden one, a message asking the lock code will be displayed.

3. Enter the lock code (The lock code will be displayed as ****.)
   - If the entered lock code is correct, the hidden number will be displayed.
   - The default lock code upon delivery is 0000.

4. Press the [Jog] button or [ ] button to make a call.
   - The number displayed on the LCD will be dialed automatically.

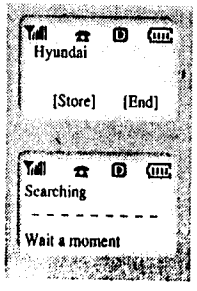
To search the stored phone numbers

You can search a stored phone number using a part of the name and call the searched number.

To search using a part of name

Character → Enter Name → Jog ↑ → Jog ↕ → Jog → Jog

1. Press [Character] button on the initial screen, enter a part of a desired name and then adjust [Jog] button Up.
   - The telephone book will be searched and the corresponding names will be displayed.
   - If there are no names corresponding to it, Character string not found will be displayed and the LCD will return to phone number list screen. In this case, the number on the top corresponds to the nearest memory location number to the character string for searching.



2. Adjust the [Jog] button Up or Down to select a desired phone number.

3. Press the [Jog] button to check the details.

4. Press the [Jog] button to attempt a call.

To search the stored phone numbers

To use the time machine function

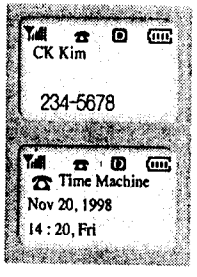
Jog ↕ → Jog → Symbol

You can check the latest call time for a phone number stored in the telephone book using the [Jog] button.

1. Press the [Jog] button Up or Down on the initial screen to select a desired number.

2. Press the [Jog] button to display the basic information on the selected phone number.

3. Press the [Symbol] button on the basic information screen to display the call date and time.
   - If there is no time machine information, No Information message will be displayed.
   - If you attempt a call in a no service area, the latest call date and time of the detailed information will not be updated.



To erase the stored phone numbers

This function erases phone numbers stored in the telephone book using the [Jog] button.

To erase a phone number

Jog → Jog → Jog ↕ → Jog → Jog → 1. Erase

1. Press the [Jog] button on the initial screen.

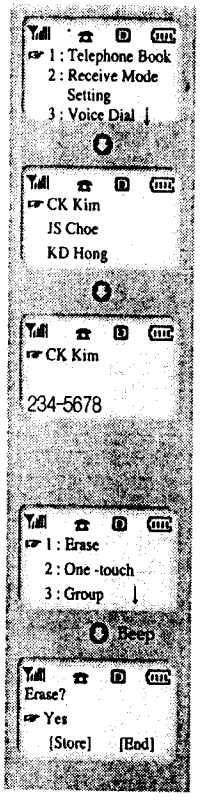
2. Adjust the [Jog] button Up or Down to select Telephone Book menu item and press the [Jog] button.
   - The stored telephone number list will be displayed.
   - For a group, the group or telephone number list will be displayed.

3. Select a number to be deleted and then press the [Jog] button.
   - Detailed information on the selected phone number will be displayed.

4. Press the [Jog] button on the detailed information screen and select Erase.

5. Select a desired setting value using the [Jog] button or scroll button.
   - Yes : Erase the phone number
   - No : Do not erase the phone number

6. Press the [Jog] button.



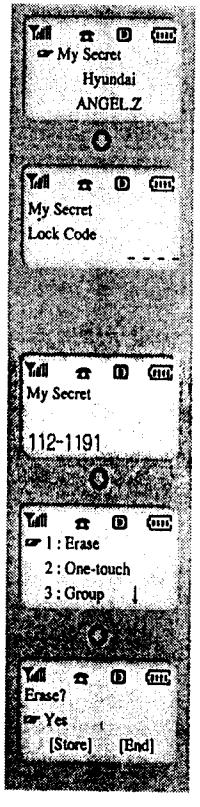
To erase the stored phone numbers

This function erases phone numbers stored in the telephone book using the [Jog] button.

To erase a hidden phone number

Jog → Jog → Jog ↕ → Jog → Lock Code → Jog → 1. erase

1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select Telephone Book menu item and press the [Jog] button.
   - The stored telephone number list will be displayed.
3. Select a number to be deleted and then press the [Jog] button.
   - A message asking a lock code for the selected phone number will be displayed.
4. If the lock code entered is correct, detailed information on the selected phone number will be displayed.
5. Press the [Jog] button on the detailed information screen and select Erase.
6. Select a desired setting value using the [Jog] button or scroll button.
   - Yes : Erase the phone number
   - No : Do not erase the phone number
7. Press the [Jog] button.



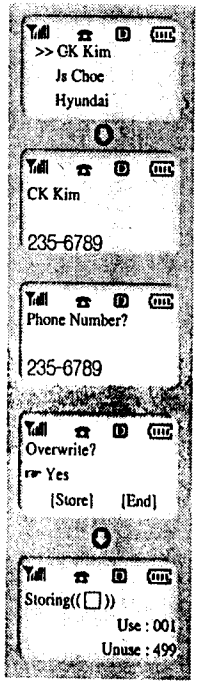
To modify the stored phone numbers

This function modifies phone numbers stored in the telephone book using the [Jog] button.

To modify a phone number

Jog ↕ → Jog → Character → Character → Modify Number → Jog → Jog

1. Adjust the [Jog] button Up or Down on the initial screen and press the [Jog] button on a phone number or name to be modified.
2. Press [ ] button twice, modify the phone number and then press the [Jog] button.
   - If name modification or additional input is required after number modification, press the [Character] button. Then, the LCD will automatically return to a LCD to enter a name.
3. Select a desired setting value using the [Jog] button or scroll button and then press the [Jog] button.
   - Yes : Overwrite with the modified phone number
   - No : Store the phone number in a new location number



To modify the stored names

This function modifies names stored in the telephone book using the [Jog] button.

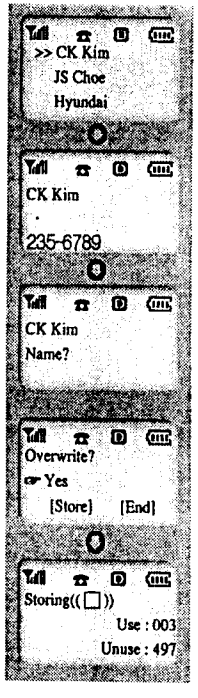
To modify a name

Jog ↕ → Jog → [ ] → Modify Name → Jog → Jog

1. Adjust the [Jog] button Up or Down on the initial screen and press the [Jog] button on a phone number or name to be modified.

2. Press [ ] button once, modify the name and then press the [Jog] button.
   - If number modification or additional input is required after name modification, press the [Character] button. Then, the LCD will automatically return to a LCD to enter a number.

3. Select a desired setting value using the [Jog] button or scroll button and then press the [Jog] button.
   - Yes : Overwrite with the modified phone number.
   - No : Store the modified phone number in a new address



To manage the stored phone numbers by groups

This section describes how to register or cancel a group or change a group name when the phone numbers stored in the telephone book are managed by groups such as business group, friend group, etc.
Basically, six groups are supported and each group can contain maximum 30 phone numbers or less depending on memory registration condition.

NO	Group Name(English)
0	Friends 1
1	Friends 2
2	Business 1
3	Business 2
4	Family
5	Information

The phone number list displayed with the telephone book menu includes all groups but the phone number list displayed by controlling the Jog down on the initial screen displays just the groups that contain phone numbers registered.

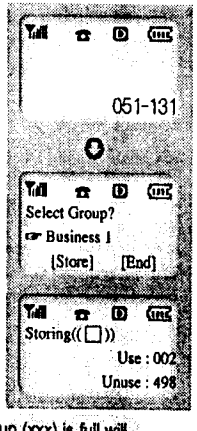
To register (modify) phone numbers by groups

Phone Number → Character → Enter Name → Jog → Jog ↕ → Jog

1. Enter a phone number to be registered on the initial screen and press [ ] button
   - Press [Character] button to enter a name.
   - After entering a name by pressing the [Character] button, you can also enter and store a phone number by pressing the [Character] button

2. After entering a name, press the [Jog] button to display the group selection screen.
   - Select a desired group using the [Jog] button.

3. Press the [Jog] button to store it.



If the assigned group is full, the message Group (xxx) is full will be displayed and registration will not be allowed any more.

To manage the stored phone numbers by groups

To automatically register phone numbers in a group

This function automatically stores a phone number dialed on the group display screen of the telephone book in the specified group after the call is finished.

Jog → Jog → Jog ↕ → Jog → Phone Number → Send

1 Press the [Jog] button on the initial screen.

- The function menu will be displayed.

2 Select Telephone Book and press the [Jog] button.

- Select a group to be registered using the [Jog] button.
- You cannot register numbers in the voice dial group with this operation.

3 Press the [Jog] button to display the phone number list of the group.

- A message "Wait a minute" may be displayed until the phone number list is displayed.

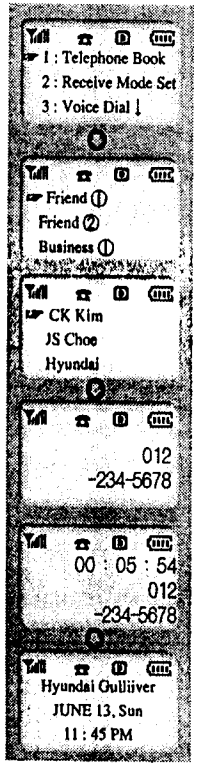
4 Enter a desired phone number.

- The LCD will be changed to the phone number input screen.

5 Press [ ] button to call the number.

- When a call is finished, the number will be registered in the group selected in step 3.

* This function is also available on the telephone number list screen displayed when the [Jog] button is Adjusted down on the initial screen. In this case, a group with no memory registered will not be displayed.



To manage the stored phone numbers by groups

To register a stored phone number in a group

This function registers a phone number, which is stored but not registered in a group, in a desired group.

Jog → Jog → Jog ↕ → Jog → Jog → 3. Group

1 Press the [Jog] button on the initial screen.

- The function menu will be displayed.

2 Select Telephone Book and press the [Jog] button.

- Select a desired group using the [Jog] button.

3 Press the [Jog] button to display the information on phone numbers.

4 Press the [Jog] button to select Group.

- Select a desired group using the [Jog] button.

5 Press the [Jog] button to set it.

If the assigned group is full, the message "Group (xxx) is full" will be displayed and registration will not be allowed any more.

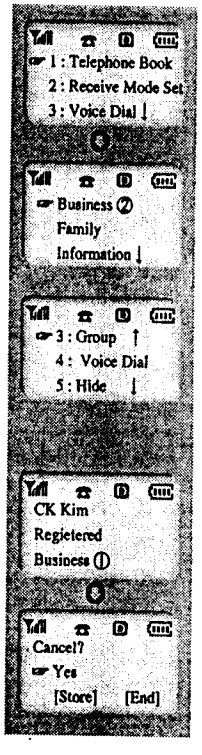
To manage the stored phone numbers by groups

To cancel a group registration of the stored phone numbers

This function cancels a group registration of the stored phone numbers.

Jog → Jog → Jog↕ → Jog → Jog↕ → Jog → Jog → 3. Group

1. Press the [Jog] button on the initial screen.
   - The function menu will be displayed.
2. Select Telephone Book and press the [Jog] button.
   - Select a group to be canceled using the [Jog] button.
   - You cannot cancel the voice dial group with this operation.
3. Press the [Jog] button to display the phone number list of the group.
   - A message "Wait a minute" may be displayed until the phone number list is displayed.
4. Press the [Jog] button to display the detailed information on phone numbers.
5. Press the [Jog] button to select Group
   - "Registered" will be displayed.
6. Control the [Jog] button "Up or Down" to select a desired setting value and then press the [Jog] button.
   - Yes: Cancel the group registered for the phone numbers and return to the telephone number list screen.
   - No: Return to the telephone number list screen without canceling the group.



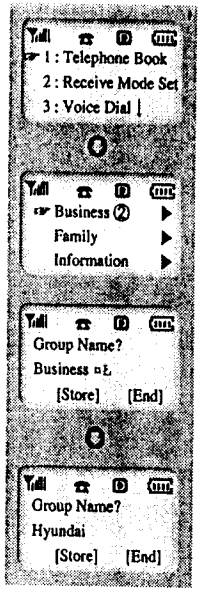
To manage the stored phone numbers by groups

To change a group name

This function changes a group name.

Jog → Jog → Jog↕ → Character → Enter Group Name → Jog

1. Press the [Jog] button on the initial screen.
2. Select Telephone Book and press the [Jog] button.
   - Select a desired group using the [Jog] button.
3. Press the [ ] button.
   - Enter a desired group name (Korean and English).
   - Refer to Korean and English character input.
4. Press the [Jog] button to store the new group name.
   - You can also change a group name on the telephone number list screen displayed when the [Jog] button is adjusted down on the initial screen. In that case, a group with no numbers registered will not be displayed.



To set a stored phone number to one-touch

Jog → Jog → Jog ↕ → Jog → Jog → Jog ↕ → 2. One touch → Jog

This section describes how to set a frequently used phone number stored in the telephone book to a memory location numers of 00~99 so as to call the number by one-touch without pressing the [ ] button.

① Press the [Jog] button on the initial screen.

② Adjust the [Jog] button to select Telephone Book and then press the [Jog] button.

- The phone number list stored will be displayed.

③ Select a number to be set to one-touch and then press the [Jog] button.

④ Press the [Jog] button on the detailed information screen to display the submenu items.

⑤ Adjust the [Jog] button Down to select One-touch and press the [Jog] button.

- A memory address to register the selected phone number as one-touch will be displayed.

To set a stored phone number to one-touch

⑥ Press the [Jog] button. Then, Completed message will be displayed, indicating that one-touch setting is completed.

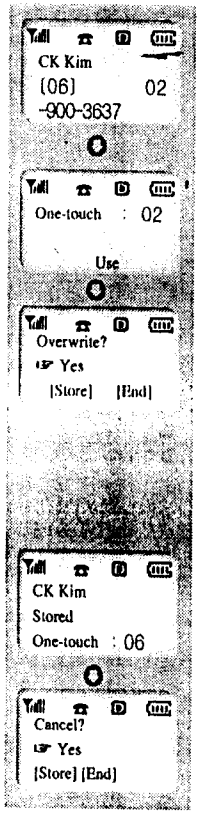
- XX indicates memory location numbers of 00~99.
- To set to other memory location number, adjust the [Jog] button to display other memory location number. Then, press the [Jog] button to complete setting to the new memory address.

⑦ If a selected memory location number is already used for an one-touch number, "In use" will be displayed.

- Select a desired setting value using the [Jog] button or scroll button and then press the [Jog] button.
- Yes: Set to the current memory location number.
- No: Return to the memory location number

⑧ To cancel one-touch setting for a selected phone number, press the [Jog] button on the "One-touch" item in Step ⑤.

- If it is set, "Set" will be displayed.
- Select a desired setting value using the [Jog] button or scroll button and press the [Jog] button.
- Yes: Cancel one-touch setting of the phone number and return to the telephone number list screen.
- No: Return to the detailed information screen without canceling.

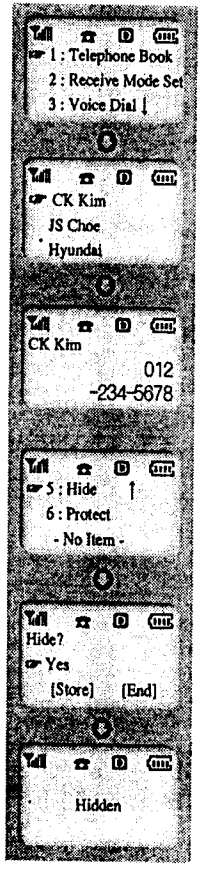


To hide a stored phone number

This function hides phone numbers so that others who are not aware of the hide code for the hidden phone numbers stored in the telephone book can not check or call the phone numbers.

Jog → Jog → Jog ↕ → Jog → Jog → Jog ↕ → 5. Hide → Jog

1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select Telephone Book and then press the [Jog] button.
   - The phone number list stored will be displayed
3. Select a number to be hidden and then press the [Jog] button.
4. Press the [Jog] button on the detailed information screen to display the submenu items.
5. Adjust the [Jog] button "Down" to select "Hide" and then press the [Jog] button
   - A message asking hiding of the selected phone number will be displayed.
6. Select a desired setting value using the [Jog] button or scroll button and press the [Jog] button.
   - Yes: Hide the selected phone number not to be used by others.
   - No: Cancel phone number hide.
7. To release a hidden phone number, press the [Jog] button on the Hide item in Step ⑤.
   - If you select No and press the [Jog] button, "Hidden number canceled" will be displayed.

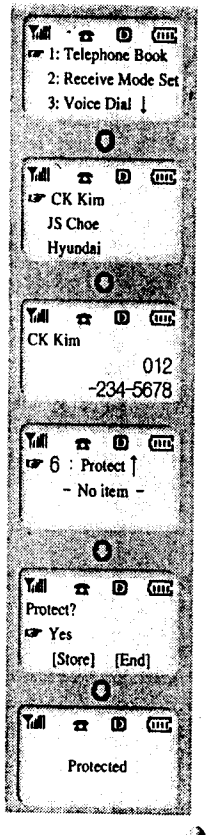


To protect a stored phone number

When a call is finished, if all of the 500 memory location numbers are used by phone number automatic store function, the oldest number will automatically be deleted and a new number will be stored. In this case, this function protects important phone numbers to prevent the numbers from being deleted.

Jog → Jog → Jog ↕ → Jog → Jog → Jog ↕ → 6. Protec → ~~Jog~~

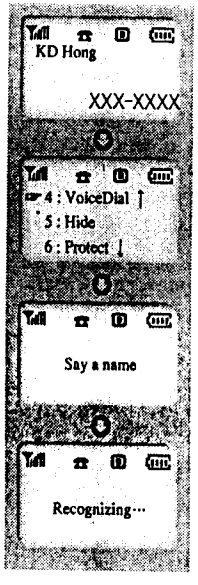
1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select Telephone Book and then press the [Jog] button.
   - The phone number list stored will be displayed.
3. Select a number to be protected and then press the [Jog] button.
4. Press the [Jog] button on the detailed information screen to display the submenu items.
5. Adjust the [Jog] button "Down" to select "Protect" and press the [Jog] button.
   - A message asking protection of the selected phone number will be displayed.
6. Select a desired setting value using the [Jog] button or scroll button and press the [Jog] button.
   - Yes: Set protection of the selected phone number.
   - No: Cancel phone number protection.
7. To release the protected phone number, press the [Jog] button on the "Protect" item in Step ⑤.
   - If you select No and press the [Jog] button, "Number protection canceled" will be displayed.



To store a stored phone number to voice dial

When the phone number of K.D. Hong is stored in the friend group

Jog → Jog → Jog ↕ → Jog → Jog → 4. Voice Dial → Enter Voice



1. Press the [Jog] button on the initial screen.
   - The function menu will be displayed.

2. Select Telephone Book and then press the [Jog] button.
   - Select a group or a phone number to be registered using the [Jog] button.
   - You can not register a number in the voice dial group with this operation.

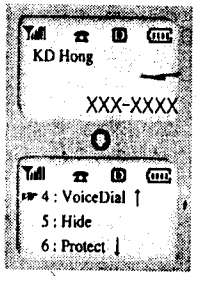
3. Select a number and then press the [Jog] button to display detailed information. Then, press the [Jog] button again.
   - A message "Wait a minute" may be displayed until the phone number list is displayed.

4. Select Voice Dial and then press the [Jog] button.

5. After beep sound, say a name to be registered.
   - "Recognizing" message will be displayed on the LCD and then the registered voice will sound.
   - ✱ If the voice is not recognized, the recorded voice will not sound and Please say again message will sound.

To store a stored phone number to voice dial

6. If "Please say again" message sounds, say the same name again.
   - "Recognizing" message will be displayed on the LCD and then the registered voice will sound.
   - ✱ Pronounce it same as the first as much as you can.
   - ✱ If the voice is not recognized, the recorded voice will not sound and "Please start again" message will sound.



7. "Storing" message will be displayed and then "Registered" message will sound.
   - The LCD automatically returns to the telephone book screen after storing the voice.

8. To cancel the voice dial of a selected phone number, press the [Jog] button on the Voice Dial menu in step (4).
   - If the voice dial has been registered, "Voice Dial Registered" will be displayed.
   - Select a desired setting value using the [Jog] button and press the [Jog] button.
   - Yes: Cancel the voice dial set of the phone number and return to the telephone number list screen.
   - No: Return to the detailed information on phone numbers screen without canceling.

Note

If a voice dial is registered, "Voice Dials" will automatically be created. A voice dial group contains just the memories stored as voice dials. If voice dials are selected from the phone number list, detailed information on the phone number memories will be displayed and the voice registered will be regenerated. The memories registered for "Voice Dials can be included in other group. (For example, a number can be included in "Voice Dials" and "Friend 1"group.)

Chapter 4

Convenient Functions

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]

How to use menus

① Press the [Jog] button on the initial screen.

② Select a menu item.

- Selecting menu item
  - ① Move up/down using the [Jog] button to select a desired menu item and then press the [Jog] button.
  - ② You can also move using the scroll button instead of [Jog] button.
  - ③ You can also select a desired menu item by pressing [ ] button instead of [Jog] button.
  - ④ Or, press the number corresponding to a desired menu item.
- To move from the current menu to the main menu, press [ ] button or select No Item at the bottom of the menu.
- Press [ ] button to exit from the menu screen.

③ Move [Jog] button up/down to select a desired item.

- Submenus will be displayed if present.
- If there is no key-in for the given time, the menu screen will automatically return to the initial screen.
- You can also change by pressing the scroll button instead of [jog] button.

④ Press [Jog] button or [ ] button to set an item.

Note

Selected item indicators (☞ or >>) on the screen are used separately.

- >> is used when you search phone numbers on the initial screen by moving the [Jog] button up or down.
- "☞" is used when you search menu items or phone numbers by pressing the [Jog] button on the initial screen ("▶" is used in English mode.).

Menu Structure

Phase 1	Phase 2	Phase 3
1 : Telephone Book	Voice Dial ▶	1. Erase 4. Voice Dial
	Friend ① ▶	2. One-touch 5. Hide
	Friend ② ▶	3. Group 6. Protect
	Business ① ▶	
	Business ② ▶	
	Family ▶	
	Information ▶	
2 : Receive Mode Setting	1 : Receive Mode Setting	Ringer/Vibration/Vibration+Ringer
	2 : Ringer Type Selection	Ringer 6 types/Melody 8 types
	3 : Ringer Volume Control	
	4 : Auto Receive Setting	Unused/once/twice/ four times/six times
	5: Key-tone Control	
3 : Voice Dial	1 : Voice Dial	
	2 : Erase All	
	3 : Auto Setting	
4 : Call Time Check	1 : Previous Call Time	
	2 : Romaing Call Time	
	3 : Air Time	
5 : Alarm Function	1 : Service Change	
	2 : One Minute Alarm	
	3 : Call Connection Alarm	
6 : Supplementary Function	1: My Melody	1:Melody Input 2:Melody Receive 3:Empty
	2: Biorhythm	1:Today 2:Special Day 3:Birthday
	3:Reserved Call	
	4:Step Match	
	5:Calculator	

Menu Structure

7 : Screen Setting	1 : Lighting	
	2 : Change Greetings	
	3 : Menu Display Function	
	4 : LCD Brightness	
	5 : World Time	
	6 : Automatic Area Code	
8 : Handset Information	1 : My Number	
	2 : Display Version	
0 : Privacy Function	1 : Auto Lock	
	2 : Change Lock Code	
	3 : Call Restriction	1 : Receive 2 : Send 3 : Memory 4 : Internaltional Call
	4 : Erase Memory	1 : Delete Number 2 : Delete Call History 3 : Delete Call Time 4 : Delete Roaming Time
	5 : Reset	

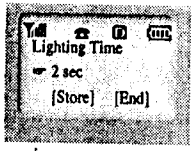
To control screen status

Button screen lighting function

This function controls the key-pad lighting time, so that you can easily use the potable phone in a dark place.

Jog → 7 → 1 → Jog ↕ → Jog

1. Press the [Jog] button on the initial screen.



2. Adjust the [Jog] button or scroll button to select "7. Screen Setting" and then press the [Jog] button.

3. Select "1. Lighting" of the submenu items and then press the [Jog] button.

4. Select a desired value using the [Jog] button or scroll button.
   - 1,2,4,6,8,10sec: Lighted time after buttons are pressed.
   - Normal On: Buttons are always on.
   - Normal Off: Buttons are always off.
   - Off during daytime: Lighting is disabled during daytime (9:00AM ~ 5:00 PM) when lighting is not required and enabled for 6 sec after buttons are pressed in other times. (This function is enabled only during receiving the time information.)

5. Press the [Jog] button to set it.

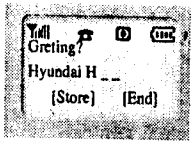
To control screen status

Change greetings

This function changes greetings displayed first on the LCD after power on of the phone.

Jog → 7 → 2 → Enter Name → Jog

1. Press the [Jog] button on the initial screen.



2. Adjust the [Jog] button or scroll button to select 7.Screen Setting and then press the [Jog] button.

3. Select "2. Change Greetings" of the submenu items and then press the [Jog] button.

4. Enter Korean or English greetings using the [Jog] button or dial button.
   - Refer to page 22 for character input.

5. Press the [Jog] button to set it.

The Korean characters entered to store phone numbers are indicated as KKK in English mode for the convenience of phone number searching.

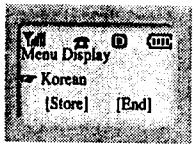
To control screen status

Menu Display Function

This function selects menu display in Korean or in English.

Jog → 7 → 3 → Jog↕ → Jog

1. Press the [Jog] button on the initial screen.



2. Adjust the [Jog] button or scroll button to select "7. Screen Setting" and then press the [Jog] button.

3. Select "3. Menu Display" of the submenu items and then press the [Jog] button.

4. Select a desired setting value using the [Jog] button or scroll button.
   - Korean: Korean Menu
   - English: English Menu

5. Press the [Jog] button to set it.

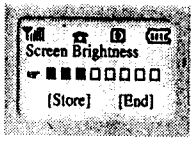
To control screen status

LCD Screen Brightness Control

This function controls LCD screen status of the phone.

Jog → 7 → 4 → Jog↕ → Jog

1. Press the [Jog] button on the initial screen.



2. Adjust the [Jog] button or scroll button to select 7.Screen Setting and then press the [Jog] button.

3. Select "4. Screen Brightness" of the submenu items and then press the [Jog] button.

4. Select a desired level using the [Jog] button or scroll button.
   - Korean Mode: 0~7
   - English Mode: 1~8

5. Press the [Jog] button to set the value.

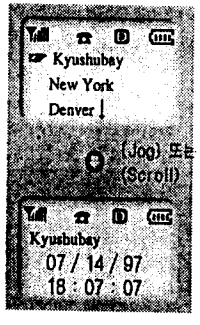
To control screen status

World time function

This function displays the current time in several cities in the world and is available when the CDMA service is provided.

Jog → 7 → 5 → Jog ↕ → Jog

1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button or scroll button to select "7. Screen Setting" and then press the [Jog] button.
3. Select "5. World Time" of the submenu items and press the [Jog] button.
4. Select a desired city using the [Jog] button or scroll button.
5. Press the [Jog] button.



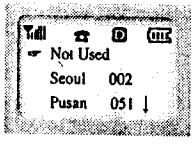
To control screen status

Area code automatic insertion

As the area codes of the country are stored in the phone, you can easily check desired area codes. If area code automatic insertion is registered for an area frequently called, the selected area code will automatically be inserted whenever the area is called.

Jog → 7 → 6 → Jog ↕ → Jog

- To call a general phone in the area with the function registered: Press just the phone number without pressing the area code.
- To call a general phone in other areas: Press the phone number along with the area code.
- To call a phone: Press the phone identification code and the phone number.



1. Press the [Jog] button.
2. Adjust the [Jog] button to select "7. Screen Setting" and press the [Jog] button. Select "6. Automatic Area Code" of the submenu items and press the [Jog] button.
3. Check the area code using the [Jog] button or scroll button.
4. To set area code automatic insertion function, select a desired area code and then press the [Jog] button.
5. To release area code automatic insertion function, select "Not Used" from "6. Automatic Area Code" and press the [Jog] button.

Note

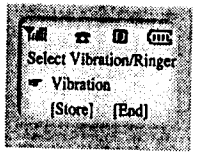
Not to use the automatic area code dial function temporarily, press the [ ] button and then press a desired number. You can use the automatic area code dial function again after finishing the call or by pressing the end button.

Receive Mode Setting

Receive Mode Function

This function selects bell sound or vibration to indicate the receive signal status.

Jog → 2 → 1 → Jog ↕ → Jog



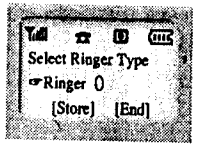
1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select 2.Receive Mode Setting and then press the [Jog] button.
3. Select "1. Receive Mode Setting" of the submenu items and press the [Jog] button.
4. Select a desired setting value using the [Jog] button or scroll button.
   - Vibration: The phone vibrates when a call is received.
   - Ringer: The bell rings when a call is received.
   - Vibration + Ringer: The phone vibrates for about 18 seconds and then the bell rings when a call is received.
5. Press the [Jog] button to set it.

Receive Mode Setting

Bell Type Selection

This function selects a bell sound indicating that a call is received.

Jog → 2 → 2 → Jog ↕ → Jog



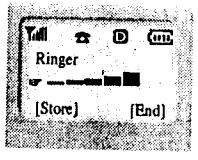
1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select "2.Receive Mode Setting" menu item and press the [Jog] button.
3. Select "2. Ringer Type Selection" of the submenu items and press the [Jog] button.
4. Select a desired setting value using the [Jog] button or scroll button.
   - In addition to the six types of bells (Ringer 0~ Ringer 5), eight types of melodies including my melody are supported.
5. Press the [Jog] button to set it.

Receive Mode Setting Function

Ringer Volume control

Jog → 2abc → 3def → Jog ↕ → Jog

1. Press the [Jog] button in standby mode. Then, adjust the [Jog] button (Up or Down) to select 2. Receive Mode Setting menu item and press the [Jog] button.



2. Select "3. Ringer Volume Control" of the submenu items and press the [Jog] button.

3. Select the volume item to be controlled, by adjusting the [Jog] button (up or down). Then press the [JOG] button.

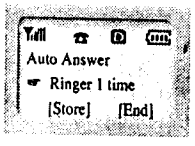
Receive Mode Setting Function

Automatic Answering Function

Jog → 2abc → 4ghi → Jog ↕ → Jog

This function enables the user to set the frequency the ringer will ring before the call is automatically connected.

1. Press the [Jog] button on the initial screen.



2. Adjust the [Jog] button to select "2. Receive Mode Setting" and then press the [Jog] button.

3. Select "4. Automatic Answering Setting" of the submenu items and press the [Jog] button.

4. Select a desired setting value using the [Jog] button or scroll button.
   - Ringer 1,2,4,6 times: Frequency the ringer rings before answering the call automatically.
   - Not used: Not using the automatic answering function.

5. Press the [Jog] button.
   - When selecting vibration, vibration+ringer1 in receive mode setting, automatic answering function will not work.

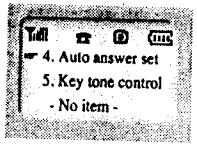
Receive Mode Setting Function

Key tone volume control function

Jog → 2 → 5 → Jog ↕ → Jog

This function changes the volume of the phone dial key tone

1. Press the [Jog] button on the initial screen.



2. Adjust the [Jog] button to select "2. Receive Mode Setting" and then press the [Jog] button.

3. Select "5. Key Tone Control" of the submenu items and press the [Jog] button.

4. Select a desired volume value using the [Jog] button or scroll button.

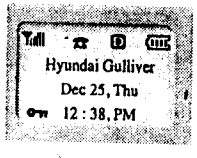
5. Press the [Jog] button to set it.

One-touch Button Lock Function

[Jog] (More than 2 seconds)

This function locks the dial and function buttons with one-touch in order to prevent the dial button from being pressed when carried.

1. Close the cover and press the [Jog] button more than 2 seconds on the initial screen.



- As the beep sound is made, a key sign will appear at the bottom of the LCD. When ringer rings in lock mode, calls can be received. (After the call is finished, lock mode will be automatically returned). To cancel lock mode, press the [Jog] button more than 2 seconds.
- While the cover is opened, the setting/release of the key lock is impossible.
- The key sign will disappear as the cover is opened and the key lock is released. When the cover is closed, the key sign will appear again and return to key lock mode.

Note: When the power is off, lock mode will be released.

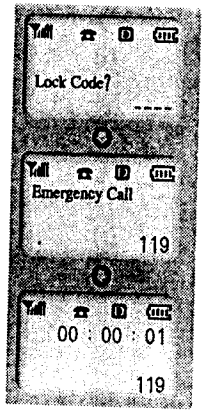
Emergency Call Dial Function.

Emergency call Emergency call number → ▼

This function enables the user to call in emergency situations even when the phone is in lock mode.

◆ Usable emergency call numbers: 112, 113, 119

1. Enter the emergency call number in automatic lock mode and then press the [▼] button
   - Emergency call number will be displayed on the LCD and regardless of the lock mode, the call will be connected.
2. After the call is finished, lock mode will be returned.

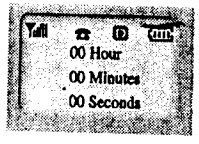


Call Recording Function

Previous Call Time Check Jog → 4 → 1

This function checks the call time made last.

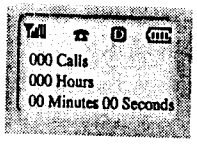
1. Press the [Jog] button.
2. Adjust the [Jog] button to select "4. Call Time Check" and then press the [Jog] button.
3. Select "1. Previous Call Time" of the submenu items and press the [Jog] button.



Roaming Call Time Check Jog → 4 → 2

This function checks the roaming call tme to date.

1. Press the [Jog] button
2. Adjust the [Jog] button to select "4. Call Time Check" and then press the [Jog] button.
3. Select "2. Roaming Call Time" of the submenu items and press the [Jog] button.



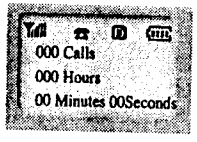
Call Recording Function

Air Time Check

Jog → 4 → 3

This function checks the air time the outgoing call.

1. Press the [Jog] button.



2. Select "4. Call Time Check" and then press the [Jog] button.

3. Select "3. Air Time" of the submenu items and press the [Jog] button.

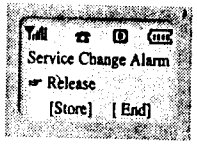
Alarm Function

Service Change Alarm

This function generates message and alarm when the phone enters the service area again, enters a service area of a different system or gets out of the current service area.

Jog → 5 → 1 → Jog ↕ → Jog

1. Press the [Jog] button.



2. Adjust the [Jog] button to select "5. Alarm Function" and then press the [Jog] button.

3. Select "1. Service Change" of the submenu items and press the [Jog] button.

4. Select a desired setting value using the [Jog] button or scroll button.
   - Setting: When service is changed, alarm goes off.
   - Release: No alarm

5. Press the [Jog] button

   (There are three kinds of messages)
   - Service area is changed: When the user entered a different service area.
   - Out of the service area: When the user is away from the service area provided by the current system
   - Service area: When the user moved to a new service area.

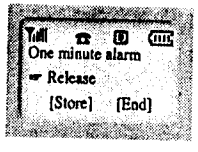
Alarm Function

One Minute Alarm

This function informs the time duration during communication, by generating an alarm tone every minute.

Jog → 5 → 2 → Jog ↕ → Jog

1. Press the [Jog] button.



2. Adjust the [Jog] button to select "5. Alarm Function" and then press the [Jog] button.

3. Select "2. One Minute Alarm" of the submenu items and press the [Jog] button.

4. Select a desired setting value using the [Jog] button or scroll button.
   - Setting: Alarm will go off every minute during a call.
   - Release: No alarm

5. Press the [Jog] button.

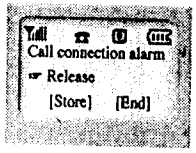
Alarm Function

Call Connection Alarm

This function generates an alarm tone when the call is connected.

Jog → 5 → 3 → Jog ↕ → Jog

1. Press the [Jog] button.



2. Adjust the [Jog] button to select 5. Alarm Function and then press the [Jog] button.

3. Select "3. Call Connection Alarm" of the submenu items and press the [Jog] button.

4. Select a desired setting value using the [Jog] button or scroll button.
   - Setting: Alarm tone is generated when the call is connected.
   - Release: No alarm.

5. Press the [Jog] button.

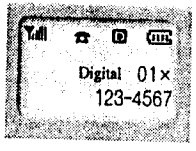
Terminal Information Function

My Phone Number Check

Jog → 8 → 1

This function checks the phone number of the currently used phone.

1. Press the [Jog] button.



2. Adjust the [Jog] button to select "8. Handset Information" and then press the [Jog] button.

3. Select "1. My Number" of the submenu items and press the [Jog] button.

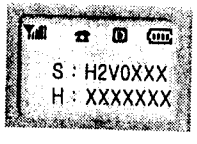
> **Note** To check my number during a call, press the [Jog] button to select "2. Phone Number Check" and then, press the [Jog] button.

Version Check

Jog → 8 → 2

This function checks the version of the phone the user is currently using.

1. Press the [Jog] button.



2. Adjust the [Jog] button to select "8. Handset Information" and then press the [Jog] button.

3. Select "2. Version Check" of the submenu items and press the [Jog] button.
   - The version currently operated will be displayed as shown in the LCD.

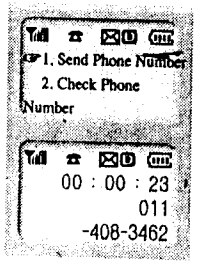
Functions Available During a call

My Number Sending Function

Busy → Jog → 1

This function enables you to automatically leave your phone number when requested to leave a contact number after paging.

1. When contact number is requested after paging, press the [Jog] button to select "1. Send Phone Number".
   - My number will be displayed on the LCD and be sent to the other person.



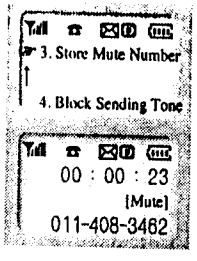
Mute Number Storing Function

This function enables the user to store new phone numbers silently during a call. So the other person cannot hear of the key tone even though pressing keys.

Busy → Jog → 3 → Phone Number → # → Enter Name → Jog

1. Press the [Jog] button during a call

2. Adjust the [Jog] button to select "3. Store Mute Number" and then press the [Jog] button.
   - A message displayed with "Mute" will blinks on the LCD.



3. Enter the desired phone number.

4. Press [Character] and then use the [Jog] button to enter the name.

5. Press the [Jog] button to register a group and then press the [Jog] button.

> **Note**
> - To cancel this function, repeat the procedure above. Then the Mute message will disappear.
> - During a call, the automatic area code inserting function will not work.

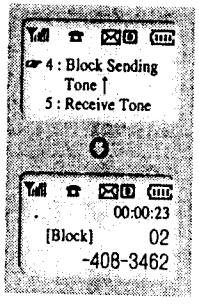
Sending Tone Block Function

Sending Tone Block Function

Busy → Jog → 4

This function blocks users sending tone to be heard by the other person during a call.

1. Press the [Jog] button during a call.



2. Adjust the [Jog] button to select "4. Block Sending Tone" and then press the [Jog] button.
   - The Block message blinks on the LCD.

Note To cancel this function, repeat the procedures. Then the block message will disappear.

My Number Check Function

Busy → Jog → 2

This function checks user's number during a call.

1. When contact number is requested, press the [Jog] button to select "2. Check Phone Number" and then press the [Jog] button.
   - Phone number will appear and then the LCD will return to the previous screen five seconds later.

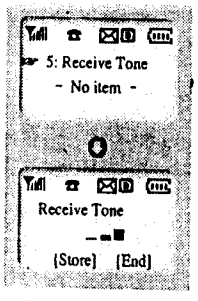
Sending Tone Block Function

Receive Tone Control Function

Busy → Jog → 5 → Jog

This function adjusts the volume of the receive tone during a call.

1. during a call, press the [Jog] button to select "5. Recive Tone" and then press the [Jog] button.



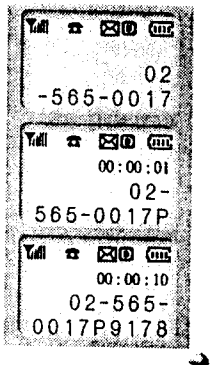
2. Adjust the volume of the receive tone using the [Jog] button or scroll button. Then press the [Jog] button.
   - The information will be stored automatically 2 seconds after controlling the receive tone.

Electronic Dialing Function

Phone Number → Symbol → 1

This function is essential to use paging or ARS service provided in bank or E-mail. This function inserts a pause character (P) in the rear of the phone number so that numbers next the pause character can be sent only when the [Send] button is pressed again.

1. Press the number and press the (Symbol) button.
2. Select "1. Pause(P)".
3. Enter the number to be electronic dialed and press the [Send] button to call.
4. during a call, if the request for number entry is generated, press the [Send] button again.

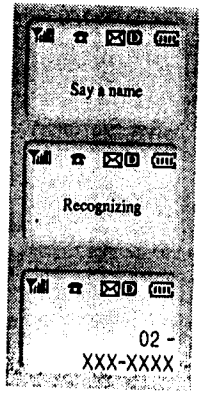


Voice Dialing Function

This function enables you to call with your voice without entering phone numbers, by registering your voice and phone number in advance.

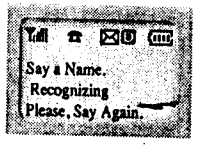
Voice Dialing Function Jog → 3 → 1

1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select "3. Voice Dial" menu item and then press the [Jog] button.
3. Select "1. Voice Dial" of submenu items and press the [Jog] button.
4. A message "Please, say a name." will sound.
5. After the beep sound, say the name to be registered.
6. A message "Recognizing" will be displayed on the LCD and the desired voice will sound.
7. When the voice is recognized, a message "Call is connecting". will sound and then call will be connected.



Voice Dialing Function

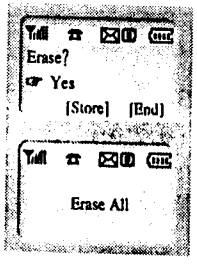
8. If the voice is not recognized, a message "Please, say again." will sound.
9. When voice recognition failed, a message "Please, start again." will sound and move to the previous screen of menu.



Erase All Jog → 3 → 2 → Jog ↕ → Jog

This function erases all the voices registered in the voice dial. The Phone numbers (memory) are not deleted.

1. Press the [Jog] button on the initial screen. Then adjust the [Jog] button to select "3. Voice Dial" and then press the [Jog] button.
2. Select "2. Erase All" of the submenu items and press the [Jog] button.
   - A message "Erased" will sound.

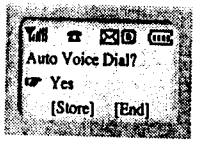


Automatic Setting

Jog → 3 → 3 → Jog ↕ → Jog

This function enables the voice dial to be set automatically when the cover is opened.

1. Press the [Jog] button on the initial screen. Then adjust the [Jog] button to select "3. Voice Dial" and then press the [Jog] button.
2. Select "3. Automatic Setting" of the submenu items and press the [Jog] button.



chapter 5

Supplementary Functions

Melody Entry

This function enables a user to edit the desired melodies except the melodies (7 types) supported basically in the ringer type generated when a call is received.

Melody Entry Function Jog ○ 6 ○ 1 ○ 7

1. Press the [Jog] button on the initial screen.

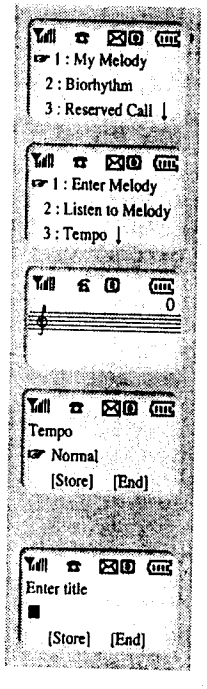
2. Adjust the [Jog] button to select "6. Supplementary Function" and then press the [Jog] button.

3. Select "1. My Melody" of the submenu items and press the [Jog] button. Select "1. Enter Melody" of the next submenu items and press the [Jog] button.

4. Enter a melody and press the [Jog] button.
   - Refer to page 66 for entry and edit of melody.
   - To reset the entered melody to [Ongdalsam], press the [Jog] button on the melody entry initial screen.

5. Adjust the [Jog] button up or down to select the melody tempo and then press the [jog] button.
   - Types of Tempo: Normal, Fast, Faster, Slow, Slower

6. Enter the melody title and press the [Jog] button.
   - Refer to page 29 for entry of a melody title.
   - If there is a melody entered already, "Overwrite?" is displayed.
   - When deleting the previous melody and setting a new melody, select Yes and press the [Jog] button.
   - The entered melody is added on the phone bell list as an entered melody.

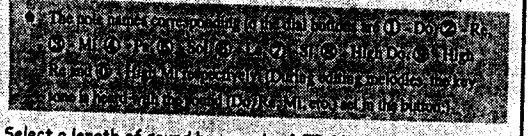


Melody Entry

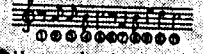
Note

To enter and edit melodies

1. When pressing dial button ⓪~⑨, a quarter note is displayed.



2. Select a length of sound by pressing [ ] buttons in turn at the state the quarter note is displayed.
3. When pressing [ ] button, # is displayed at the bottom of the note and a tone sharp is set. (However, except Mi and Si.)
4. When entering a pause, press [ ] and then press the [ ] button to select the pause length.
5. You can move and edit notation by adjusting the [Jog] button up and down.
6. To insert a musical note during editing, press the [ ] button and enter the note.
7. To delete a musical note, press the [ ] button.
8. Press the [ ] button to play the entered melody and press the [ ] button to stop the performance.
9. When entering ten notes and entering a next note, the LCD is changed to the next.

ex) To enter 

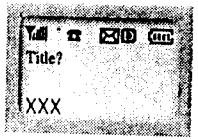
❶ Press the [ ] button twice after pressing the [ ] button.
❷ Press the [ ] button after pressing the dial button ⑤.
❸ Press the [ ] button after pressing the dial button ⑤.
❹ Press the [ ] button after pressing the dial button ⑦.
❺ Press the [ ] button four times after pressing the dial button ⑧.
❻ Press the [ ] button twice after pressing the [ ] button.
❼ Press the dial button ④.
❽ Press the [ ] button after pressing the dial button ⑦.
❾ Press the dial button ⓪.
❿ Press the dial button ⑦.

Melody Entry

Listening to Melody

Jog → [ ] → [ ] → [ ]

1. Press the [Jog] button on the initial screen.



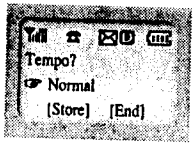
2. Adjust the [Jog] button to select "6. Supplementary Function" and then press the [Jog] button.
3. Select "1. My Melody" of the submenu items and press the [Jog] button.
4. Select "2. Listen to Melody" of the submenu items and press the [Jog] button.
5. To stop the performance, press [Clear], [ ] or [Jog] button.
6. If there is no melody entered previously, "Ongdalsam" is played.

Melody Entry

Tempo Entry

Jog → 6 → 1 → 3

1. Press the [Jog] button on the initial screen.
2. Adjust the [Jog] button to select "6. Supplementary Function" and then press the [Jog] button.
3. Select "1. My Melody" of the submenu items and press the [Jog] button.
4. Select "3. Tempo" of the submenu items and press the [Jog] button. Then the present speed of the entered melody is displayed.
5. Adjust the [Jog] button up and down to select a new tempo value and then press the [Jog] button.



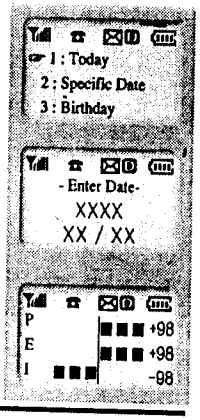
Biorhythm

Biorhythm Function

Jog → 6 → 2

This function checks the biorhythm of today or a specific date with your solar birthday.

1. Press the [Jog] button.
2. Adjust the [Jog] button to select "6. Supplementary Function" and then press the [Jog] button.
3. Select "2. Biorhythm" of the submenu items and press the [Jog] button.
4. Select "3. Birthday" of the submenu items and press the [Jog] button.
   - Enter year/month/date for your solar birthday and press the [Jog] button.



5. Enter "1. Today" for today's biorhythm and enter 2. Specific Date for the biorhythm of a specific date.
   - You can check today's biorhythm when receiving time information.

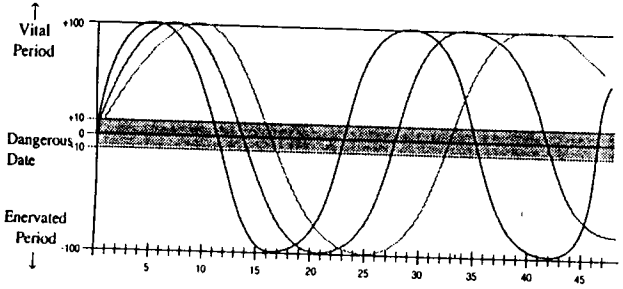
Note

- The number of day from the birthday for the specific date is displayed on the top of the LCD and Physical(P), Emotional(E) and Intelligent(I) values are displayed
- What is a biorhythm?

It means the life rhythm that the human is governed with three rhythm cycles called as physical, emotional and intelligent rhythms that are started inside the body from birth to death

- Physical Rhythm (P)
  This has 23 days of cycle and governs resistance against disease, physical strength, controlling a muscular movement, speed, physiology and a wide range of other physical factors related to basic physical functions.
- Emotional Rhythm (E)
  This has 28 days of cycle and controls creativity, sensibility, mental state and recognition about world and human.
- Intelligent Rhythm (I)
  This has 33 days of cycle and affects memory, precaution, receptivity on knowledge, and logical ability.

Biorhythm



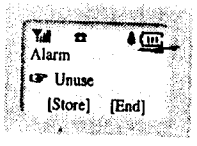
	Physical Rhythm (23 Days) (Health and sports rhythm such as weight, stamina, etc.)	Emotional Rhythm (28 Days) (Security rhythm such as livelihood on working place, love, etc.)	Intelligent Rhythm (33 Days) (Study and efficiency rhythm such as memory, ability to analyze and concentrate, etc.)
Vital Period	Energy (Abundant vital rhythm) strength to overcome such as trivial and sports but do not overestimate ones physical strength and overdrink. Good time for a surgical operation.	Positive and passive attitude. Good time for opportunities work, proposal and date.	Bright mind and high intelligent activities. Proper for planning, reviewing and deciding important matters.
Dangerous Date	Easy to have cough, headache, fever and a illness during period. Special care of driving and production.	Easy to be irritated. Anger, quarrel, malicious gossip, accident.	Lack of attention and ability to differentiate. Mistake and error. Delay important decision or renewal. Take care of driving.
Enervated Period	Lack of physical strength. Recovery of overwork and illness. Proper to rest and take a walk. Rapid and light sport develops potential abilities.	Negative and passive attitude. Good decision and positive action are impossible. Do not interview persons, relations and protect and take a rest.	Intelligence activities are low. Avoid reading books and study. Effective sports. Better to arrange daily notebook or cards.

Reserved Call

This function displays the alarm and phone number at a set time on the LCD.

Jog → 8abc → 3def

① Press the [Jog] button on the initial screen and adjust the [Jog] button to select "6. Supplementary Function".



② Adjust the [Jog] button to select "3. Reserved Call".

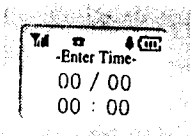
③ Select the desired value by adjusting the [Jog] button and then press the [Jog] button.

- Off : No set alarm
- Once : The function is released after a melody is played for a minute at the set time and a phone number is displayed. (When entering time before the present time, the "Next Year Alarm Time" message is displayed with alert tone and the alarm is generated next year.)
- Daily : One minute alarm is generated at the same time daily.

④ Press the [Jog] button.

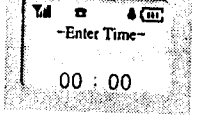
To set Once

- Enter month/date/hour/minute of two digits in turn.
- Press the [Jog] button.
- Enter the desired phone number.
- Press the [Jog] button to store it.
- If you want to call with a reserved number when alarming, press the [Send] button.



To set Daily

- Enter hour/minute of two digits
- Press the [Jog] button.



Note

- Only alarm is generated in the automatic lock state and the alarm is regenerated when releasing the lock state. (When setting the reserved call, you can call after releasing the lock state.)
- When setting the etiquette function, it works only with vibration.
- This function can be used only when receiving time information.

Stopwatch

Jog → 6 → 4

1. Press the [Jog] button on the initial screen and control the [Jog] button to select "6. Supplementary Function".

2. Adjust the [Jog] button to select "4. Stopwatch" and then press the [Jog] button.

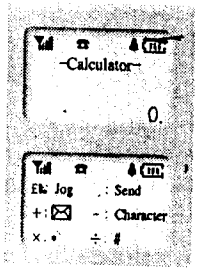
3. Adjust the [Jog] button to operate the stopwatch.

   - [Jog] : Start/Stop/Split Control
     [Jog ↓] : Split/Split release/Reset
   - The displayed time is shown by a unit of 1/10 second when stopping the stopwatch operation.

4. When pressing the [Clear] button, the previous menu is displayed.

Calculator Function

Jog → 6 → 5



1. Press the [Jog] button on the initial screen and adjust the [Jog] button to select "6. Supplementary Function".

2. Adjust the [Clear] button to select 5. Calculator and then press the [Jog] button.

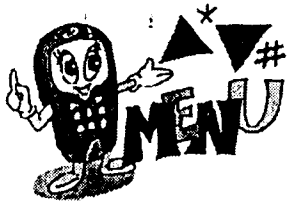
3. Make the calculation.

   - When operating [Jog ↑], the key definition for each function is displayed for 8 seconds. To escape from the key definition screen, press any button except [ ] and [Delete] buttons.
   - To initialize the calculation, press the [Clear] button long.

4. Press the [Clear] button, and the previous menu is displayed.

Note

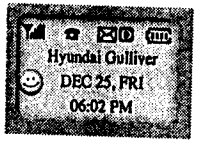
'+':(SMS)→ ✉ '/':(#)→
'-':(CHAR)→ Character '↑':(STO)→ [Jog]
'×':(*)→ '.':(SEND)→



Etiquette Function

This function is used not to damage others at a public place such as subway.
When the etiquette mode is set, 1) the receive mode set as ringer operates as vibration mode automatically.
2) The key tone is not generated even pressing buttons.
3) All alarms are not generated.

① When pressing [ ] button more than two seconds on the initial screen, [ ] is displayed and this function is set.



- To cancel the etiquette mode, press [ ] again more than two seconds. Then disappears and the function is canceled.

MEMO

Chapter 6

Secret Functions

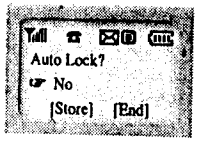
k Function

This function prevents other's illegal use. You can only receive a call and cannot make a call or use other functions in the lock state. However, you can use an emergency call in the lock state.

Automatic Lock Function

Jog → OK → Lock Code → 1 → Jog↕ → Jog

1. Press the [Jog] button.



2. Adjust the [Jog] button to select "0. Secret Function" and then press the [Jog] button.

3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.

4. Select "1. Automatic Lock" of the submenu items and press the [Jog] button.

5. Select the desired setting value using the [Jog] or scroll button.
   - Yes: When power on the phone, the phone is locked.
   - No: The phone is not locked.

6. Press the [Jog] button to set it.

Note

When the automatic lock function is set, "Lock Code?" is displayed on the LCD whenever you power on and the lock function is executed. Therefore, you cannot make a call except receiving a call.
When you enter the lock code of four digits, the lock function is released and you can use the phone. However, when you power on after off, the phone goes to the lock state.

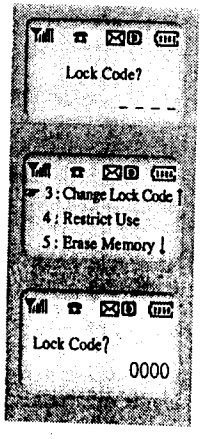
k Function

To change the lock code

This function changes the lock code of four digits that is needed when releasing the lock state.

Jog → 05 → Lock Code → 2abc → Lock Code → Jog

1. Press the [Jog] button.
2. Adjust the [Jog] button to select 0. Secret Function and then press the [Jog] button.
3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.
4. Select 2. Change Lock Code of the submenu items and press the [Jog] button.
5. Enter a new lock code of four digits using the dial button.
   - Only number buttons are possible for the lock code.
6. Press the [Jog] button to set it.



Note: Please note and keep the lock code for forgetting.

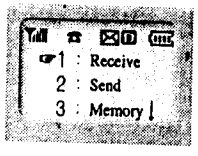
Restriction Function

Use Restriction Function

This function restricts a part of the phone use. It can also restrict four fields independently.

Jog → 05 → Lock Code → 3def → Jog ↕ → Jog

1. Press the [Jog] button.
2. Adjust the [Jog] button to select 0. Secret Function and then press the [Jog] button.
3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.
4. Select 3. Use Restriction of the submenu items and press the [Jog] button.
5. Select [Yes] using the [Jog] or scroll button.
   - When selecting No, this function is not processed and returns to the previous step.
6. Press the [Jog] button, and the LCD appears.
7. Select the desired setting value using the [Jog] or scroll button.



Restriction Function

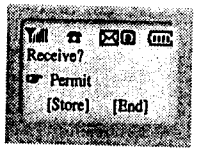
Setting the Receive Rejection

This function is used when user do not want to receive a call. When this function is set, the phone does not receive a call and is used only for sending.

1 ○ Jog ↕ ○ Jog

① Select the desired setting value using the [Jog] or scroll button.

- Restrict: Reject a call receive
- Permit: Call receivable



② Press the [Jog] button to set it

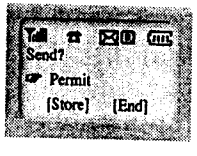
Lock the Outgoing Call

This function prevents others illegal use. When this function is set, the phone does not make a call and is used only for receiving. (But, the emergency call is available.)

2 ○ Jog ↕ ○ Jog

① Select the desired setting value using the [Jog] or scroll button.

- Restrict: Lock the outgoing call
- Permit: Calling available



② Press the [Jog] button to set it.

Restriction Function

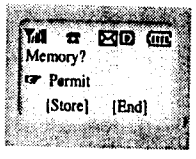
Lock the Memory Use

3 ○ Jog ↕ ○ Jog

This function restricts to store a phone number or to use the stored phone number.

① Select the desired setting value with the [Jog] or scroll button.

- Restrict: Lock the memory use
- Permit: Memory usable



② Press the [Jog] button to set it

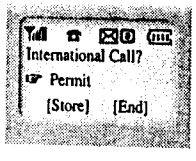
Lock the International Call Use

4 ○ Jog ↕ ○ Jog

This function prevents other's illegal international call use.

① Select the desired setting value with the [Jog] or scroll button.

- Restrict: Lock the international call use
- Permit: International call usable



② Press the [Jog] button to set it.

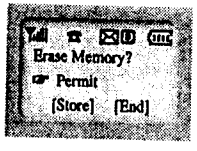
Note

When user uses the phone in the state that the phone use is restricted, the following message is displayed and the alert tone is generated. (However, when attempting an international call, the "International Call Restrict!" message is displayed.)

Memory Erase Function

Delete the Stored Number

Jog ○ 0 ○ Lock Code ○ 4 ○ 1 ○ Jog ↕ ○ Jog

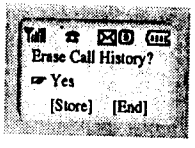


1. Press the [Jog] button.
2. Adjust the [Jog] button to select "0. Secret Function" and then press the [Jog] button.
3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.
4. Select "4. Erase Memory" of the submenu items and press the [Jog] button.
5. Select "1. Erase Stored Number" of the next submenu items and press the [Jog] button.
6. Select the desired setting value using the [Jog] or scroll button.
   - Yes : Erase the stored number.
   - No : Do not erase the stored number.
7. Press the [Jog] button.

Memory Erase Function

Erase Call History

Jog ○ 0 ○ Lock Code ○ 4 ○ 2 ○ Jog ↕ ○ Jog



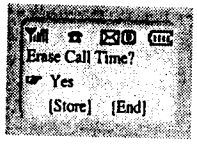
1. Press the [Jog] button.
2. Adjust the [Jog] button to select "0. Secret Function" and then press the [Jog] button.
3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.
4. Select "4. Erase Memory" of the submenu items and press the [Jog] button.
5. Select "2. Erase Call History" of the next submenu items and press the [Jog] button.
6. Select the desired setting value using the [Jog] or scroll button.
   - Yes : Erase the call history.
   - No : Do not erase the call history.
7. Press the [Jog] button.

This function erases the information of the latest call history, but it does not erase stored phone numbers and names

Memory Erase Function

Erase the call time

Jog → 0 → Lock Code → 4 → 3 → Jog ↕ → Jog

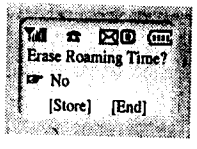


1. Press the [Jog] button.
2. Adjust the [Jog] button to select 0. Secret Function and then press the [Jog] button.
3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.
4. Select "4. Erase Memory" of the submenu items and press the [Jog] button.
5. Select "3. Erase Call Time" of the next submenu items and press the [Jog] button.
6. Select the desired setting value using the [Jog] or scroll button.
   - Yes : Erase the call time.
   - No : Do not erase the call time.
7. Press the [Jog] button.

Memory Erase Function

Erase the Roaming Call time

Jog → 0 → Lock Code → 4 → 4 → Jog ↕ → Jog



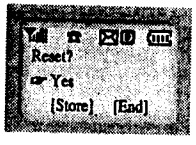
1. Press the [Jog] button.
2. Adjust the [Jog] button to select "0. Secret Function" and then press the [Jog] button.
3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.
4. Select "4. Erase Memory" of the submenu items and press the [Jog] button.
5. Select "4. Erase Roaming Time" of the next submenu items and press the [Jog] button.
6. Select the desired setting value using the [Jog] or scroll button.
   - Yes : Erase the roaming time.
   - No : Do not erase the roaming time.
7. Press the [Jog] button

Setting Initialization Function

This function initializes the setting values of functions changed after purchasing the phone to the default status.

Jog → 0 → Lock Code → 5 → Jog ↕ → Jog

1. Press the [Jog] button.



2. Adjust the [Jog] button to select "0. Secret Function" and then press the [Jog] button.

3. Enter the lock code of four digits.
   - The default lock code is 0000 on delivery.

4. Select "4. Erase Memory" of the submenu items and press the [Jog] button.

5. Select the desired setting value using the [Jog] or scroll button.
   - Yes : Reset the phone to the default when released from the factory.
   - No : Do not reset the phone.

6. Press the [Jog] button.
   - When setting Yes, the "Wait a moment" message is displayed and the power is off automatically.

MEMO

Chapter 7

SMS Functions

Receiving Korean/English Mixed Message

This function is convenient to exchange a simple text message with other phone or to check a voice message through the voice mail service center.
This function can be used only when the short message service is provided by CDMA service carriers.

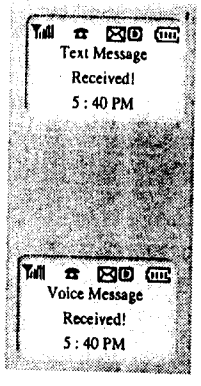
When receiving messages

■ Text message

- When receiving a text message, [✉] is displayed and the message is displayed as shown in the LCD.
- The phone ringer or vibration selected by the user informs that a message is received.
- The received message is stored automatically and up to 30 messages can be stored.

■ Voice message

- User can use the voice message service with additional application because this service is service carrier's supplementary function.
- When receiving a voice message, [✉] is displayed and the message is displayed as shown in the LCD.

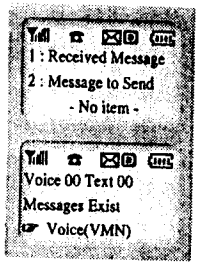


To Check the Received Message

① Press the [✉] button.

② Select "1. Received Message".

- The number of unchecked text and voice messages is displayed.

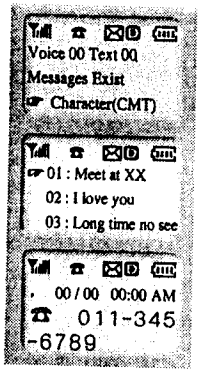


Receiving Korean/English Mixed Message

■ Text message

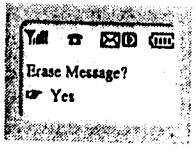
① Select [ ] by adjusting the [Jog] or scroll button.

- The message list is displayed in the order of received message.
- The number corresponding to the unchecked message is displayed with the adverse shadow.
- Adjust the [Jog] or scroll button to select the message to be checked
- The next screen appears automatically after a given time.
- Check the content of messages displayed presently with the [Jog] or scroll button.



② To erase a message, select the desired setting value using the [ ] button.

- Yes: Erase the message.
- No: Do not erase the message.

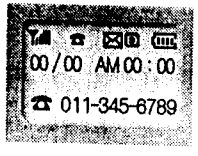


③ When pressing [ ] button during checking messages, sender's phone number is displayed, and to make a call, press [ ] button again.

■ Voice message

④ Adjust the [Jog] or scroll button to select Voice.

- The voice message can be only checked and not stored in the message list.



Sending Korean/English Mixed Message

To Send a Message

① Press the [ ] button.

② Select "2. Message to Send" using the [Jog] or scroll [/] button.

③ Select "1. Receiver" using the [Jog] or scroll [/] button.

- Press the [Jog] button after entering the phone number to receive the message, and the previous screen appears.

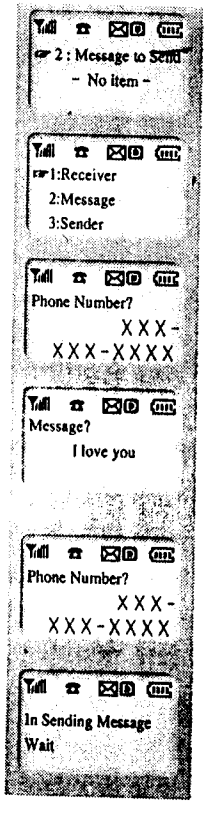
④ Select "2. Message" using the [Jog] or scroll [/] button.

- Press the [Jog] button after entering the message to be sent, and the previous screen appears.
- Refer to page 29 for entering a message.

⑤ Select "3. Sender" using the [Jog] or scroll [/] button.

- Press the [Jog] button after entering the contact number, and the previous screen appears.

⑥ Press [ ] button to send a message.



Note: On entering English messages on the message entry screen, it is possible to convert to a capital or small character by pressing [ ] button.

Chapter 8

Appendix

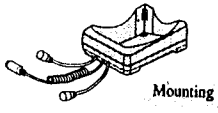
Optional Accessories

▪ These optional accessories may be released later.

Hands-free Car Kit

By using the hands-free car kit, you can call without holding the phone when the vehicle is stopped or driven. The kit power is provided from the battery equipped on the vehicle so you can call for a long time. Moreover, it has the function to charge the battery pack connected to the phone.

Components of Hands-free Car Kit



Mounting Stand

Mounting Stand Base (Including screws)

Hands-free Box

Hands-free Box Base (Including screws)

Power Cable

Hands-free Microphone

Note: Refer to hands-free car kit manual for more information

Others

- Cigarette Lighter Adapter

The power is provided from the cigar jack no matter when phone battery pack is united or not for the phone use or charge.

- Standard Battery

Table of Functions

Function	Description	Page
Powering Phone on	Press [ ] until the lamp turns on.	P23
Powering Phone off	Press [ ] until the lamp turns on.	P23
Making a call	[Area Code][Phone Number][Send]	P24
Terminating a call	Close the cover or press [ ] shortly.	P24
Receiving a call	Open the cover or press any key.	P25
Storing phone number	[Phone Number][Characters][Enter Name] [Jog] [Jog ↕][Jog]	P27
One-touch dialing	Press the memory number (0-9) more than one second.	P34
Two-touch dialing	Press the memory number (10-99) shortly for the first digit and long for the second one	P34
Searching/dialing with memory locations number	[Jog ↓]	P36
Viewing the latest call history	[Jog ↑]	P37
Searching/dialing with a name	[Character][Enter Name][Jog ↕]	P39
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Locking Failures

Status	Measures
There is no sign on the LCD	• Reset the phone.
[☎] icon appears on the LCD	• No service area. Move to the service area.
Alert tone sounds (call failure tone) when making a call.	• There is no call channel nor communication with a base station. • Repress [Send] button after ending, then the number will be redialed automatically
When powering on, "Lock Code?" is displayed and making a call is not possible.	• Unlock the phone. • Refer to P.97 for unlocking the phone.
The use time of battery is different from that of manual.	• Since the battery is a kind of supplies, its use time gets shorter than that of new product. • When placing at low or high temperature, the use time may be changed.
The phone does not turn on even though the battery is enough charged.	• Reinsert the battery into and power on the phone. • Clean the contact terminal of battery and phone.
The phone is off in busy or alert beep tone sounds with the "Low Battery" message.	• The battery is consumed almost and the battery pack should be charged. Charge the battery.
A red lamp is blinking on the charger.	• Reinsert the battery in the charger. • Check the cleanness of battery contact part. • Contact the service center if the blinking does not stop.
You hear the echo sound in busy.	• The echo canceling function of a base station is set wrongly. Adjust volume or move other area.
Abnormal operations are found out or the power is not on.	• Pull out and then reinsert the battery. Power on the phone.