

HYUNDAI
WIRELESS

•HYUNDAI

Gulliver

User's Manual

•HYUNDAI

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Chapter 5

Appendix

Chapter 1

Before using your phone

Please read this chapter before using this product.

- Cautions in use
- Checkout Contents
- Name and function of handset elements
- Screen status display and function
- Battery insertion and detachment
- Charging the battery
- Tips on efficient battery use



When you use the handset for the first time, please make sure that you fully charge your battery



Do not use in high-temperature or high-humidity environments. If the handset is soaked with rainwater or spilled on by drinks, it may not be possible to repair



Do not take apart or modify the handset



Keep the handset in a safe place when not in use to avoid vibration and impact and to prevent damage



Do not touch the antenna during the call with any part of your body

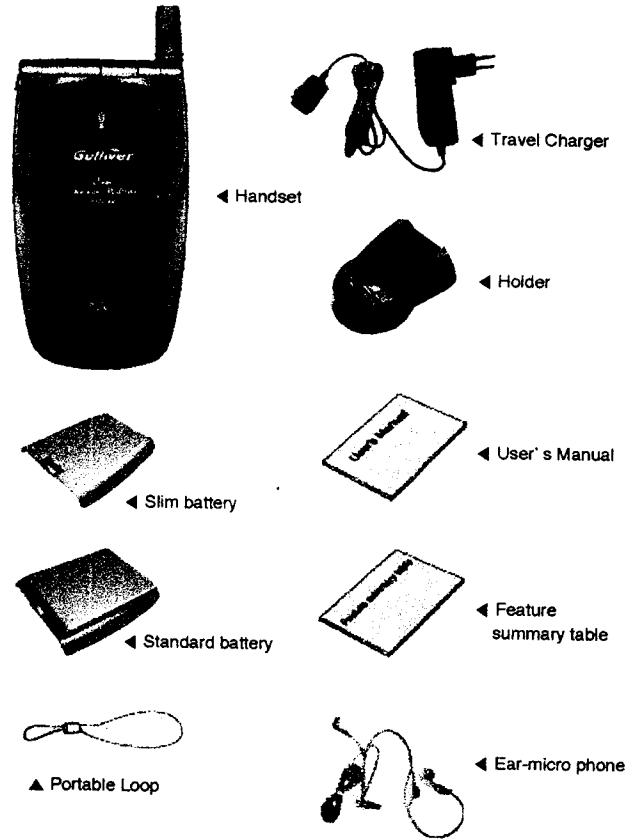


Do not clean your handset with chemical solutions such as solvent or thinner



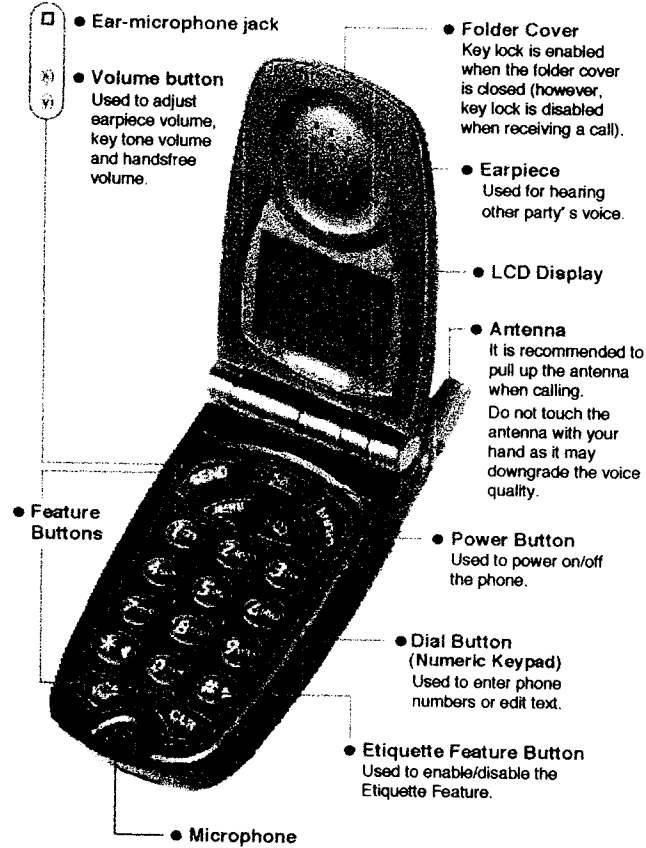
Do not use your handset near explosives or flammable liquids

Thank you for your purchasing Hyundai CDMA cellular phone. Please check the product contents by comparing them with the following pictures.












Check with your local distributor which battery type is supplied as standard. If there are any product defects, please report them to the place of purchase immediately.








Part name of the handset



Role of the function buttons

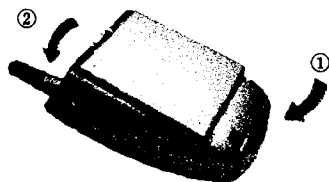
-  This button is used when you use the menu.
-  This button is used when you make a call or receive a call.
-  Short press of this button is used when you terminate a call or get out of the current menu in the menu. More than one second press is to turn the phone on or off.
-  This button is used to clear the digits and /or texts from the display or exit the current menu in the menu.
-  This button is used to go to a lower level menu or store set parameter; put phone number and name into memory or erase them which were store during the waiting state. And this button is also used when you look up the list of stored phone number or name or phone number you just called. Also used for Scheduler and Electronic Calculator.
-   These buttons are scroll buttons used to select screen contents.
-  This button is used to find character message and voice messages.
-  Used to enable or disable Etiquette mode.



-  **Signal Strength**
The strength of current signal is displayed with the number (0-5) of bar.
-  **Roaming**
This icon shows the user is outside the normal service area.
-  **Service state indicator**
⌘ is displayed when you are in an area where service impossible, Ⓜ is displayed when you try a call and the line is busy, and Ⓡ is displayed when you are in an area where service possible.
-  **Short message service**
Blinks when character or voice messages have been received and are currently held.
-  **Digital mode**
Displayed when the line is busy or standby in the digital mode.
-  **Balance of battery power**
The balance of battery power available is displayed with the number (0-4) of bar.
-  **Etiquette mode indicator**
Displayed when Etiquette mode is enabled.

Battery insertion method

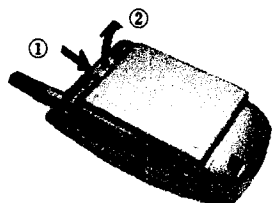
- 1 As shown in the picture ①, insert the battery to fit into the groove at the bottom of the handset. Then press in the direction of ② until it snaps.



• The battery must be correctly placed in the battery compartment. If battery is incorrectly inserted, the handset won't turn on or the battery may slip out during use.

Battery detachment method

- 2 Push handset separation tab ① with one hand and pull in the direction of ② to separate.



- Battery is not charged when you purchase the product. Use the battery after it is fully charged.
- Charge your battery when the battery low-voltage alarm sounds from the handset.

- 1 **Power Connection**
Plug in the jack from the travel charger to the connector at the back of the holder. Then, insert the AC plug into a power outlet.



- You can use the charger, with automatic FREE VOLTAGE feature, at 110V or 220V anywhere without making any adjustment to the charger. When power is connected, orange-colored light blinks once.

- 2 **Charging the battery only**
To charge the battery only, insert the battery pack into the charging slot.



- 3 **Charging the battery with the handset**
To charge the battery with handset, insert the battery-mounted handset into the charging slot.



- 4 **Charging the battery while travelling**
Connect the traveller charger's jack directly into the connecting slot at the bottom of the handset.



- Make sure the battery is inserted when charging or using the handset.

5 Charging completion

Charging is completed when the green-colored lamp stays on.

- It may take longer to charge the battery if the handset is powered on or travel charger is used.
- There's no harm done to the handset or the charger if the handset is left inserted into the charger after the green light is turned on.
- Charge your battery when the battery low-voltage alarm sounds from the handset and "Very Low Battery!" message appears on the screen
- If the handset is powered off after "Low Battery Warning! Phone is Turning OFF!" message appears on the screen. Do not turn on the handset as it may cause damage to the memory. Change or charge the battery immediately.

Time to complete battery charging

Battery type	Standard battery	Slim battery
Charging time	About 200 mins.	About 200 mins.

Battery life (for new battery)

Status	Type	Standard battery	Slim battery
	Continuous Call		120-150min.
Continuous	Standby	30-60 hours	13-26 hours

- More power is consumed during an active call than in standby status, making the standby time shorter as the call gets longer.
- Battery life varies depending on the use environment, such as charge status or temperature, habit of use, the condition of radio waves, and keypad lighting time.
- Digital continuance standby time can be different depending on the service type related to the slot mode of the mobile communication system of the service provider.
- Slot mode is a mutual communication cycle between the mobile communication system and the handset during digital continuance standby.
 - The less the slot mode is in use, the more the communication, which causes more consumption of power, resulting in less standby time.

- If the lamp is not on or the red light blinks, check the cleanliness of the battery connection area.
- If the charger is not working even after the cleaning, contact your local dealer.

- 1 Do not keep the battery near fire and do not disassemble or touch the battery charge terminals.**
It may explode.
- 2 Do not drop or subject the battery to a sharp impact.**
Sharp impacts can damage the battery inside the battery pack making its life shorter.
- 3 Use only the battery that comes with the handset. Use only the recommended charger.**
Using other batteries or chargers may cause damages to the handset and the battery. There is a danger of explosion
- 4 Purchase a new battery when battery use exceeds half its normal life.**
Battery life becomes shorter as charge/discharge is repeated.
- 5 Charging efficiency is better at room temperature.**
Avoid charging where there' s direct sunlight, in front of a heater or an air conditioner.
If it' s too hot or cold, battery cannot be charged and charging is resumed when the charger and the battery is placed in a room of adequate temperature.
- 6 Always store batteries in normal room temperature.**
If you leave the battery in a very hot or cold environment for a long time, the capacity of the battery drops and its life shortens.

Chapter 2

Basic Operation






This chapter describes the basic operation of the handset.






- Basic operation
- How to adjust volume
- Ringer/Vibration/Lamp selection function
- Selection function for ringer type
- Adjusting Ring Bell Volume
- Auto answering Feature
- Flip Answer selection Feature

How to turn the handset on



- 1 Hold down () button until a beep is heard.






Tel     
 HYUNDAI
 XXX-XXX-XXXX






Tel     
 HYUNDAI
 JAN 28, WED
 4:03pm

- If the phone is in Auto Lock mode, "Lockcode?" message will appear on the screen. You must enter the 4-digit lock code to use the phone. However, you can make emergency calls in Auto Lock mode. Unless set otherwise, the initial lock code shall be "0000" (refer to p.60).
- If an error message appears on the screen, contact your local dealer.


How to turn the handset off

- 1 Hold down () button until the phone powers off.

Tel     
 HYUNDAI
 JAN 28, WED
 4:03pm

Tel     

 Powering Off

Use only the () button to turn off the phone. Turning off the phone by removing the battery could result in memory damage and call information such as air time, last calls and phone numbers may be erased.

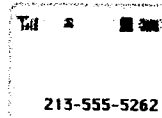
- If the phone does not power on or if it acts abnormally, remove and reinstall the battery and turn on the power.
- Wait for at least 5 seconds before turning on the phone after turning off the phone.

How to make a call



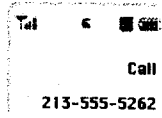
1 Press the area code then the phone number.

To delete a wrong number, press [CLR] to back up. To delete all entered digits, press [END] or hold down [CLR] to return to the standby display.



2 Press ().

- If the line is busy, terminate the call, wait for a moment, then try again.
- "Call Failed" message will appear on the screen if the call cannot be connected.

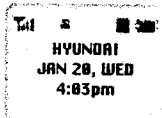


3 Start the conversation after the call is connected.

- If the Call Connect Alert Feature (refer to p.57) is set, a combination of beeps will be heard before the talk time is displayed. It will be convenient to start talking after hearing the call connect beeps.



4 To end the call, close the phone or press (). If you are using the ear-microphone, press the ear-microphone button for more than 1/2 second.

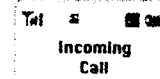


- To call the number you have just called, Press ().
- If you are using the ear-microphone, press the ear-microphone button for more than 1/2 second.
- If is displayed, you are in an out-of-service area and you cannot make a call.

How to answer a call

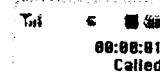
1 Phone bell rings and the green LED on the folder cover flashes.

- To change receiver type (Ringer/Vibration/Ringer + Vibration/Lamp), please refer to P26. Initial setting is "Ringer".



2 Open the folder or press any key if the folder is already open.

If you are using ear-microphone, press the ear-microphone button for more than 1/2 second.



3 Start the conversation.

- Closing the folder while using the ear-microphone does NOT end the call.

4 To end the call, close the folder or press () button.

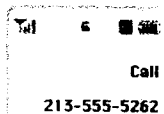
- If Auto Answering Feature is enabled, the bell rings for the number of bells set before the call is connected automatically (refer to p29)

Recalling Last dialed number

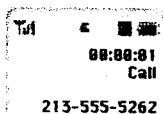


Used to dial the number that you have just called.

- 1 Press [] without pressing any numbers and the phone number you have just dialed or the number most recently saved will be displayed on the screen and that number is dialed. If you are using ear-microphone, press the ear-microphone button for more than 1/2 second.



- 2 Start the conversation after the call is connected.



- Closing the folder while using the ear-microphone does NOT end the call.

- 3 Press [] or close the folder to end the call. If you are using ear-microphone, press the ear-microphone button for more than 1/2 second.

Received Signal Strength

- 1 The strength of the received signal is displayed by the number of bars (0-5).

Remaining Battery Indicator

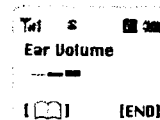
- 1 The bars inside the battery icon indicate the remaining power in the battery. Fully charged batteries are displayed with four bars. If the battery power expires and needs to be charged, no bar is displayed inside the battery figure and an alert beep sounds with a "Very Low Battery" message on the screen.

When using the volume button



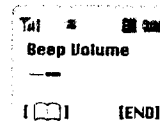
- 1 Press the volume button to adjust the volume for the present state.

- Conversation state : Adjusts ear-piece volume
- Standby state : Adjusts key-tone volume
- Conversation state while using hands-free : Adjusts hands-free volume



- 2 After adjusting the volume, press button to save the settings.

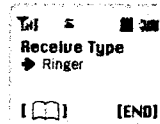
- The volume setting is automatically saved 2 seconds after the volume is adjusted.



This feature is used to select the receive type between ringer, vibration or lamp.



① Press () → ② → ① from the standby state.



② Use the scroll buttons to select the receiver type you want.

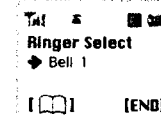
- Ringer
- Vibration
- Vib + Ringer : Vibrates for 3 seconds then the bell rings.
- Lamp

③ Press () button.

This feature is used to select the ring type the user wants.



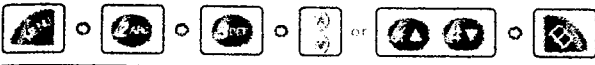
① Press () → ② → ② from the standby state.



② Use the scroll buttons to select the bell type you want.

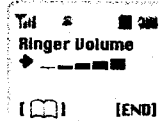
③ Press () button.

Using the menu button



- ① Press () → ② → ③ from the standby state.

To move between the menu items, use the scroll buttons [/] or the volume buttons.

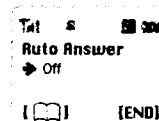


- ② Adjust the volume by pressing the volume buttons or the scroll buttons, then press () button to store the setting.

The call is connected automatically after the bell rings for the number of times set.



- ① Press () → ② → ④ from the standby state.



- ② Use the scroll button to select the setting you want.

- 1/2/4/6 Rings : The number of times the bell rings before the call is connected automatically.
- Off : Auto answering feature is disabled.

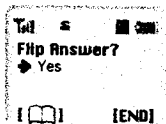
- ③ Press () button.

- If the receiver type is not set for "Ringer" or if the folder is closed, auto answering feature is disabled. However, if you are using ear-microphone, this feature is not disabled whether the folder is closed or not.
- In hands-free mode, this feature works regardless of the receiver type and whether the folder is closed or not.

This feature allows you to choose whether you want to receive the call by opening the folder. This is particularly useful if you want to see the Caller ID before answering calls.



① Press () → ② → ⑤ from the standby state.



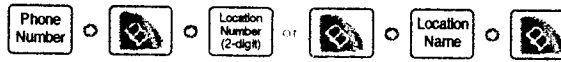
② Use the scroll button to select the desired setting.

- Yes : Allows you to receive calls by opening the folder.
- No : Does not allow you to receive calls by opening the folder. To receive a call when the folder is closed, open the folder then press any key.

③ Press () button.

How to store a phone number

Up to 100 phone numbers can be stored in the memory and there are many ways to retrieve them letting you make the call fast and easy.



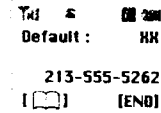
Chapter 3

Memory Function

- How to store a phone number
- How to make a call using a stored phone number
- Schedule Management Feature
- Alarm Call Feature
- Electronic Calculator Feature

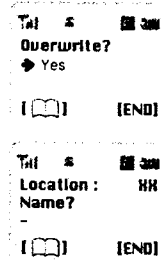
1 Enter the phone number you wish to store and press () button.

- The first available location is automatically displayed.



2 To store the number at the first available location displayed, press () button.

- If you want to store the number at a different location, use the numeric keypad to enter the 2-digit location number you want.
- Locations 90 to 99 are stored with hidden feature.
- If the desired location already has a phone number stored, "Overwrite? " message will appear on the screen.
 - To overwrite, press () button.
 - To store the number at a different location, press ().



3 Use the numeric keypad to enter the name for that location. (refer to P32)

4 Press () button after entering all the letters.

Editing Alphabet and Number

① Press the numeric keypad to select the letter.

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

- To enter the number "0", press [0] button.
- To enter special characters, keep pressing [0] button.
(| . ? , - () ' * # = \$ _ + { } @)

② To enter the next letter, press [0] button.

- The cursor automatically goes left 2 seconds after a letter has been entered.
- The maximum number of letters allowed is 8.

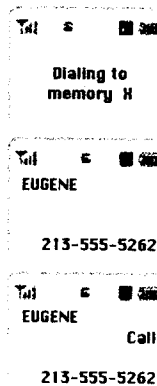
To correct incorrectly entered letters (using the [0] button)

- To delete a letter: Press [0].
- To delete all letters: Hold down [0].

One-touch dialing function

This feature allows you to make a call with phone numbers stored in the memory location 0 to 9 without having to press the [SEND] key.

① Hold down the location number for more than 1 second.

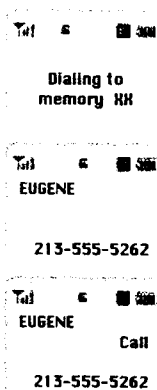


Two-touch dialing function

This feature allows you to make a call with phone numbers stored in the memory location 10 to 99 without having to press the [SEND] key.

① Press the first digit, then hold down the second digit for the location.

- If the location is empty, "EMPTY LOCATION" message appears on the screen.
- If the phone number was stored with the hidden feature, the number is not displayed on the screen while calling.



How to find the list of the last calls



① Press (Home) → ① → ①.

• Ten last calls can be seen.

Tel 5 300
 1 : Last Call
 2 : Location
 3 : Number
 4 : Name

Tel 5 300
 01/20 4:26p
 Last Call 01
 213-555-5262

② Use the scroll buttons to find the phone number you want.

• (Left) goes to the previous number and,
 (Right) goes to the next number.

③ To delete the stored number, hold down the CLR button.

• "Erase Memory?" message appears on the screen. Use the scroll keys to select between "YES/NO", then press (Enter).

Tel 5 300
 Erase Memory?
 Yes
 [Left] [END]

④ To call the number displayed, press (Call).

Recalling by memory location number



① Press (Home) → ① → ②.

Tel 5 300
 Recall Location?
 [Left] [END]

② Enter the two-digit memory location.

Tel 5 300
 Recall Location?
 01
 [Left] [END]

③ Use the scroll buttons to find the phone number you want.

• (Left) goes to the previous number and,
 (Right) goes to the next number.

Tel 5 300
 EUGENE
 Location : 01
 213-555-5262

④ To delete the stored number, hold down the CLR button.

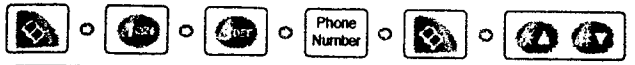
• "Erase Memory?" message appears on the screen. Use the scroll keys to select between "YES/NO", then press (Enter).

Tel 5 300
 Erase Memory?
 Yes
 [Left] [END]

⑤ To call the number displayed, press (Call).

- If the phone number stored with the hidden feature was found, only the name of the location is displayed on the screen and "Lockcode?" message appears on the screen.
- To view the phone number, enter the 4-digit lock code.

Recalling by phone number



① Press [Phone Number] → ① → ③.

Recall
Number?
-
[Left Arrow] [Right Arrow] [END]

② Enter the phone number (or part of the number) you want to find.
Press [Phone Number] button after entering all the numbers.

Recall
Number?
5262-
[Left Arrow] [Right Arrow] [END]

③ Use the scroll buttons to find the phone number you want.

- [Left Arrow] goes to the previous number and, [Right Arrow] goes to the next number.
- The first available location containing the entered numbers is displayed.

EUGENE
Location : 01

213-555-5262

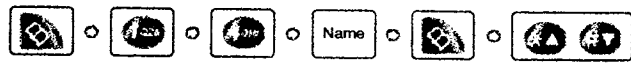
④ To delete the stored number, hold down the CLR button.

- "Erase Memory?" message appears on the screen. Use the scroll keys to select between "YES/NO", then press [Phone Number].

Erase Memory?
Yes
[Left Arrow] [Right Arrow] [END]

⑤ To call the number displayed, press [Call].

Recalling by name



① Press [Name] → ① → ④.

Recall
Name?
-
[Left Arrow] [Right Arrow] [END]

② Enter the name (or part of the name) you want to find.
Press [Name] button after entering all the letters.

Recall
Name?
GEN-
[Left Arrow] [Right Arrow] [END]

③ Use the scroll buttons to find the phone number you want.

- [Left Arrow] goes to the previous number and, [Right Arrow] goes to the next number.
- The first available location containing the entered letter is displayed.

EUGENE
Location : 01

213-555-5262

④ To delete the stored number, hold down the CLR button.

- "Erase Memory?" message appears on the screen. Use the scroll keys to select between "YES/NO", then press [Phone Number].

Erase Memory?
Yes
[Left Arrow] [Right Arrow] [END]

⑤ To call the number displayed, press [Call].

Setting the Schedule

Up to 10 schedules can be set.

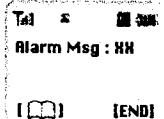
① Press [] → ② → ②.

- The calendar including the present date is displayed. Move to the date you want to set the schedule then, press [].
- The date selected is displayed inverted.
- Moving the cursor
 - Up/Down : [] / [],
 - Left/Right : [] / [],
 - Volume buttons : moves between the months
- The calendar can be seen from the year 1997 to 2010.



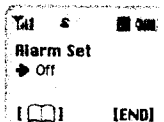
② Use the scroll buttons to select the location, then press [] button or enter the 2-digit location number.

- The first available empty location is displayed.

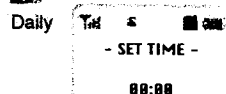


③ Use the scroll button to select the desired setting, then press [] button.

- **Off** : Disables alarm alert.
- **Once** : The melody plays for one minute, then the alert feature is disabled.
- **Daily** : The melody plays for one minute every day at the time set.
- If Etiquette feature is enabled, the lamp blinks instead of the melody.



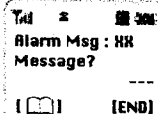
④ Enter the desired time, then press [] button.



- Enter the desired date and time in the order, hr:min.

- Enter the desired time in the order hr:min.

⑤ Enter the desired message, then press [] button.



Checking and deleting schedule

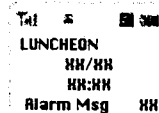


① Press [] → ② → ①.

- The first available location with a schedule is displayed on the screen.

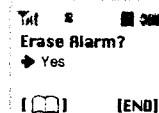
② Use the scroll buttons to check the schedules.

- [] goes to the previous number and, [] goes to the next number.



③ To delete a schedule, move to the location that you want to delete, then hold down the CLR button.

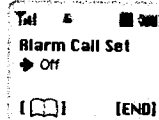
- "Erase Alarm?" message appears on the screen. Use the scroll keys to select between "YES/NO", then press [].



Editing the Alarm Call



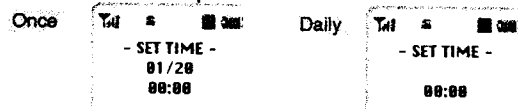
① Press () → ③.



② Use the scroll buttons to select the desired setting, then press () button.

- **Off**: Disables the Alarm Call
- **Once, Daily**: The melody plays for one minute. The phone number is displayed, then the Alarm Call is disabled.
- If the Etiquette feature is enabled, the lamp blinks instead of the melody.

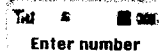
③ Enter the desired time, then press () button.



• Enter the desired date and time in the order mm/dd, hr:min.

• Enter the desired time in the order hr:min.

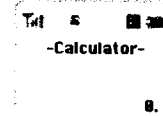
④ Enter the phone number, then press () button.



• To call the number displayed on alarm alert, press ().



① Press () → ④.



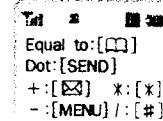
② Use the calculator.

- **Definitions**
- + : [], - : [], X : [], / : [], = : [], . : [], []
- Up to 7 integer digits and up to 2 decimals can be displayed and if the calculated result has more than 7 digits, the result is displayed in 7 digit logarithm.
- There are no (-) sign. To express a negative number, use '0-value'.
- To see the help screen, press the volume key even if you are in the middle of a calculation.

• Example)

To calculate $128 \times 32 =$




1. Enter 128
2. Press []
3. Enter 32
4. Press []








Chapter 4


Convenient Functions

- Basic method of using the menu
- Menu structure
- How to adjust the screen status
- Function of verifying call time
- Alert Function
- Security Information
- Features used while call is connected
- Phone Information
- System Selection Feature

- ① Press the [] button from the standby state and use the numeric keypad to choose the desired menu item.
 - Use the scroll buttons [ / ] or the volume buttons to move between the menu items.

- ② To go back to the upper menu, press the [] button. To go back directly to the standby state, press the [] or [] button.
 - **If there are lower level menu items**
the lower menu is displayed on the screen.
 - **If there are no lower level menu items**
Use the scroll buttons to select the desired value for that menu item, then press the [] button to store the value. To cancel, press the [] button.

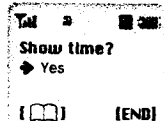
Step	Step	Step	Step
1. Display	1: Time Show	Yes/ No	
	2: Back Light	Off 1/2/4/6/8/10 Second (s) Off in Day	
	3: Contrast	■ ■ ■ □ □ □	
	4: Led Use	Yes/No	
2. Receive Ring	1: Receive Type	Ringer / Vib+Ringer /Vibration / Lamp	
	2: Select Ring	Bell 1/2/3/4/5/6 Melody 1/2/3/4/5/6/7	
	3: Ringer Volume	1 - 5 Step(s)	
	4: Auto Answer	Off 1/2/4/6 Ring(s)	
	5: Flip Answer	Yes/No	
3. Timer	1: Air Time		
	2: Call Time		
	3: Roam Time		
4. Alert	1: Time Alert	Yes/No	
	2: Call Connect		
	3: Area Alert		
5. Special	1: Biorhythm	1: Today 2: Other Day 3: Birthday	Set Date
	2: Stopwatch		
	3: World Time	Athens / . / Wellington	

6: Phone Info	1: Phone Number		
	2: Phone Version		
7: System	1: Pref Mode	CDMA Only Analog Pref Analog Only CDMA Pref	
	2: Pref System	1:CDMA System	System A Only System A Prefer System B Only System B Prefer
2:Analog System		System A Only System A Prefer System B Only System B Prefer	
0: Security	1: Auto Lock	Yes/No	
	2: Set Lock No.		
	3: Greeting	Greeting ?	
	4: Restrict	Yes/ No	1: Incoming 2: Outgoing 3: Use Memory
	5: Memory Erase	1. Clr Memory	Yes/No
2. Clr Dialed			
3. Clr Air Time			
4. Clr Roam Tm			
6: Reset Phone	Yes / No		
<MEM KEY> ( Key)	1: Directory	1:Last Call	[01] 02-131
		2:Location	Location?
	2: Scheduler	3: Number	Number?
		4: Name	Name?
3: Alarm Call	1:View		
	2:Edit		
4:Calculator	Once/Daily	**Set Time**	
	Off		

Current date and time display feature

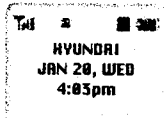


① Press () → ① → ①.



② Use the scroll buttons to select the desired value.

- Yes : Displays the current time.
- No : Does not display the current time.



Backlight function of the button screen

This feature allows you to adjust the time the backlight stays on, enabling easy access to the handset in a dark place.



① Press () → ① → ②.



② Use the scroll buttons to select the desired setting.

- 1,2,4,6,8,10 Seconds : The time the backlight stays on after a button has been pressed.
- Off : Always off
- Off in Day : The backlight is off in daytime (9 a.m ~ 5 p.m.) and is on for 6 seconds after a button has been pressed in other times.

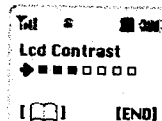
→ **Power Save Feature**
 (If the handset is powered on in a NO SVC area, this feature is disabled until the phone enters a SVC area.)

③ Press () button.

Screen brightness adjustment feature



① Press () → ① → ③.

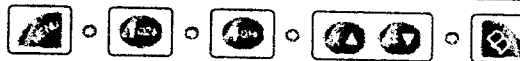


② Use the scroll buttons to select the desired level.

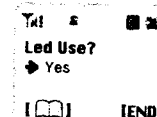
- There are seven levels of brightness.

③ Press () button.

LED Use selection feature



① Press () → ① → ④.



② Use the scroll buttons to select the desired value.

- Yes : LED on the folder cover blinks RED if the phone is in a NO SVC area, blinks GREEN if the phone is in standby and blinks between RED and GREEN while a call is in progress.
- No : LED on the folder cover blinks RED when the phone is powered on or when the user ends a call and it blinks RED and GREEN only when there is an incoming call or if you are trying to make a call.

③ Press () button.

Verification of the total air time



1 Press () → 3 → 1.

- Totals all outgoing calls

Tel S [Signal] [Battery]
 HHH Calls
 HHH Hours
 HH Minutes
 HH Seconds

Verification of the last call time



1 Press () → 3 → 2.

- Displays the duration of the most recent call

Tel S [Signal] [Battery]
 HHH Hours
 HH Minutes
 HH Seconds

Verification of the roaming time



1 Press () → 3 → 3.

- Displays the total call time during roaming

Tel S [Signal] [Battery]
 HHH Calls
 HHH Hours
 HH Minutes
 HH Seconds

Alerting during a call



An alert beeps every minute letting the user know how much time has elapsed during a call.

1 Press () → 4 → 1.

Tel S [Signal] [Battery]
 Time Alert?
 ◆ No
 [Back] [END]

2 Use the scroll buttons to select the desired value.

- Yes : Enables the feature
- No : Disables the feature

3 Press () button.

Alerting call connection



An alert beeps when a call is connected.

1 Press () → 4 → 2.

Tel S [Signal] [Battery]
 Call Connect?
 ◆ Yes
 [Back] [END]

2 Use the scroll buttons to select the desired value.

- Yes : Enables the feature
- No : Disables the feature

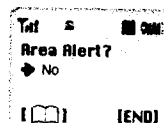
3 Press () button.

Alerting Change of service

An alert beeps and a message is displayed when the phone goes into a new service area, goes into a service area provided by an alien system provider or gets out of a service area.



① Press () → ④ → ③.



② Use the scroll buttons to select the desired value.

- Yes : Enables the feature
- No : Disables the feature

There are three kind of messages.

- Changing Svc Area
The phone is going into a service area provided by other system provider.
- Leaving Svc Area
The phone is going out of a service area.
- Entering Svc Area
The phone is going into a new service area.

③ Press () button.

Automatic Lock function

This feature is used to protect the phone from unauthorized users. However, receiving calls and emergency calls can be made.



① Press () → ①.



② Enter the 4-digit lock code.

- The initial lock code at the time of purchase is "0000".



③ Press ① for "Auto Lock".



④ Use the scroll buttons to select the desired value.

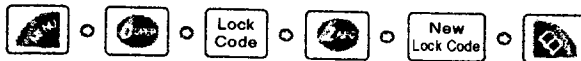
- Yes : Enables auto lock.
- No : Disables auto lock.

⑤ Press () button.

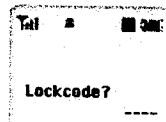
If Auto Lock is set, the phone enters the locked state whenever the phone is powered on.

Lock code change function

This feature allows you to change the 4-digit lock code used to unlock the phone.

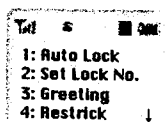


① Press () → ().

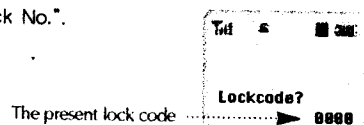


② Enter the 4-digit lock code.

• The initial lock code at the time of purchase is "0000".



③ Press () for "Set Lock No.".



④ Enter the new 4-digit lock code.

⑤ Press () button.

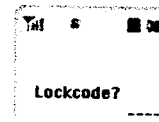
When changing the lock code, write it down somewhere safe in case you forget it.

Greeting change function

This feature allows you to change the message of greeting displayed on the screen. Up to 8 characters can be entered.



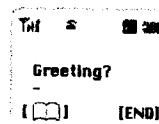
① Press () → ().



② Enter the 4-digit lock code.



③ Press () for "Greeting".



④ Use the numeric keypad to enter the new greetings.

• refer to p32 for information of text editing.

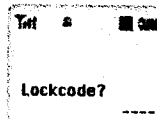
⑤ Press () button.

Use restriction function

This feature restricts the use of the handset in three ways (Each can be restricted independently).

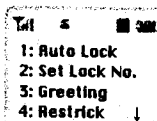


① Press () → ①.

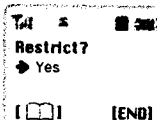


② Enter the 4-digit lock code.

• The initial lock code at the time of purchase is "0000".



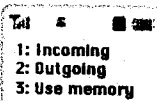
③ Press ④ for "Restrict".



④ Use the scroll buttons to select "Yes".

• If you choose "No", the menu goes back to the upper menu.

⑤ Press () button.



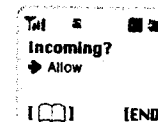
Use restriction function

Blocking incoming calls



This feature blocks incoming calls.

① Press ① for "Incoming".



② Use the scroll buttons to select the desired setting.

- Restrict : Blocks incoming calls
- Allow : Feature disabled

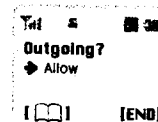
③ Press () button.

Blocking outgoing calls



This feature block outgoing calls. However, emergency calls can be made.

① Press ② for "Outgoing".



② Use the scroll buttons to select the desired setting.

- Restrict : Blocks outgoing calls
- Allow : Feature disabled

③ Press () button.

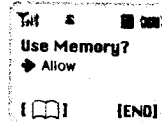
Use restriction function

Blocking stored phone numbers



This feature blocks making calls using the memory or storing phone numbers in the memory.

- 1 Press **3** for "Use Memory".



- 2 Use the scroll buttons to select the desired setting.

- Restrict : Restricts memory usage
- Allow : Disables this feature

- 3 Press **4** button.

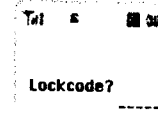
Clear memory function

This feature allows you to delete the call history, call time, and phone numbers stored in the memory.



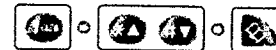
- 1 Press **1** → **1**.

- 2 Enter the 4-digit lock code.
 - The initial lock code at the time of purchase is "0000".



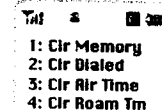
- 3 Press **5** for "Memory Erase".

Clearing stored numbers

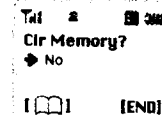


This feature allows you to delete all the phone numbers stored in the memory.

- 1 Press **1** for "Clr Memory".



- 2 Use the scroll buttons to select the desired setting.
 - Yes : Deletes phone numbers in the memory
 - No : Does not delete phone numbers in the memory



- 3 Press **4** button.

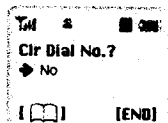
Clear memory function**Clearing last calls**

This feature deletes the call history.

① Press ② for "Clr Dialed".

② Use the scroll buttons to select the desired setting.

- Yes : Deletes the call history
- No : Does not delete the call history



③ Press () button.

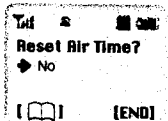
Clearing air time

This feature allows you to delete the total call time.

① Press ③ for "Clr Air Time".

② Use the scroll buttons to select the desired setting.

- Yes : Deletes the total call time
- No : Does not delete the total call time



③ Press () button.

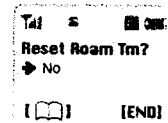
Clear memory function**Clearing roam time**

This feature allows you to delete total roaming time.

① Press ④ for "Clr Roam Tm".

② Use the scroll buttons to select the desired setting.

- Yes : Deletes the total roaming time.
- No : Does not delete the total roaming time.



③ Press () button.

Initialization Feature

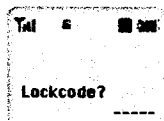
This feature allows you to initialize the setting of the handset to the value set at the time of purchase.



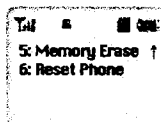
① Press () → ①.

② Enter the 4-digit lock code.

• The initial lock code at the time of purchase is "0000".

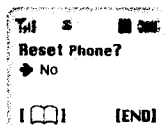


③ Press ⑥ for "Reset Phone".



④ Use the scroll buttons to select the desired setting.

• Yes : Initializes the phone.
• No : Does not initialize the phone.



⑤ Press () button.

• "Please Wait For a moment" message appears on the screen and the phone powers off automatically.

Greetings, phone numbers stored in memory, call time, lock code are not initialized.

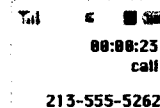
Caller number sending function



This feature enables the user to send the phone number when requested (for example, when the user is paging someone) without having to press all the numbers.

① Press () → ① when requested for your number.

• To move between the menu items, use the scroll buttons [/] or the volume buttons.



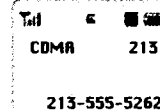
Self number check function



This feature is used to check the phone number while the call is in progress.

① Press () → ② to view your number.

• The number displays for 5 seconds, then returns to the calling state screen.



Silent pad phone number storage function

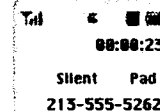


This feature allows you to store a phone number while a call is in progress, without the key tone being sent to the other party.

① Press () → ③ while the call is in progress.

② Enter the phone number that you wish to store.

• Refer to p31 for instructions on how to store a phone number.



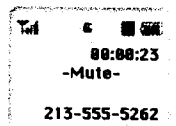
• To cancel a specific operation, repeat the above procedure.

Microphone muting feature



This feature mutes the microphone during a call.

- 1 Press () → ④ while the call is in progress.
 - To cancel, repeat the procedure.

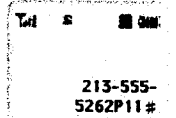
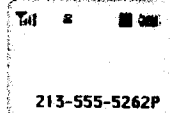
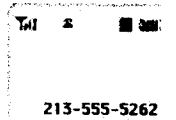


Electronic dialing feature

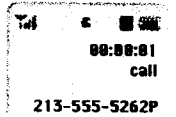


This feature is useful for ARS provided by banks or paging. Enter the pause(P) character after a combination of numbers and the numbers entered after the pause character is sent only if the SEND key has been pressed again.

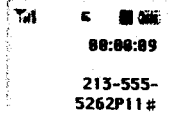
- 1 Enter the phone number.
- 2 Press () → ①
 - The pause character (P) is displayed on the screen.
- 3 Enter the remaining set of numbers that are to be pressed after the call is connected.



- 4 Press ()



- 5 After the message requesting you to type in a set of numbers (ID, phone number, password etc.), press ().

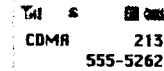


Self number check function

This feature allows you to check your phone number.



- 1 Press () → ⑥ → ①.



Handset version check function

This feature allows you to check the version of your phone.



- 1 Press () → ⑥ → ②.



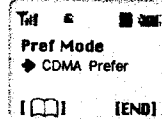
- 2 The version of your phone is displayed as shown.

Selecting the preferred mode

This feature allows you to select the preferred mode of operation for the handset.



① Press () → () → () → ().



② Use the scroll keys to select the desired mode, then press ().

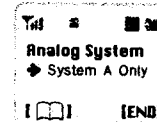
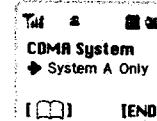
- **CDMA Prefer** : The handset uses CDMA.
If it cannot find CDMA, it uses Analog.
- **CDMA Only** : The handset uses CDMA only.
- **Analog Prefer** : The handset uses Analog.
If it cannot find Analog, it uses CDMA.
- **Analog Only** : The handset uses Analog only.

Selecting the preferred system

This feature allows you to select the preferred system of operation for the handset.



① Press () → () → () → () to select the system for CDMA mode OR
Press () → () → () → () to select the system for Analog mode.



② Use the scroll keys to select the desired system, then press ().

- **System A Prefer** : The handset uses system A.
If it cannot find system A, it uses system B.
- **System A Only** : The handset uses system A only.
- **System B Prefer** : The handset uses system B.
If it cannot find system B, it uses system A.
- **System B Only** : The handset uses system B only.

Chapter 5


Supplementary Functions

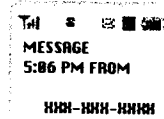
- Short Message Service(SMS)
- Missed Call Display Feature
- Biorhythm checking function
- Stopwatch function
- World time display function
- Etiquette Feature

This feature allows you to check text or voice messages sent to you when you were in a NO SVC area or your phone was powered off. The phone receives the messages when it enters service area or is powered on inside a service area.


Message reception

Text message

Upon reception of a text message, the message shown on the right is displayed on the screen with  icon.



Voice message

Upon reception of a voice message, the message shown on the right is displayed on the screen with  icon.

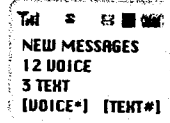


- The reception of a message is told by the receiver option the user has chosen (ringer or vibration).
- Up to 30 messages are automatically stored.
- If Etiquette feature is enabled, the reception of a message is told by vibration.

Checking received message

1 Press () button.

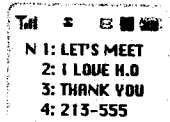
- The number of unchecked text and voice messages are displayed on the screen.



Text message

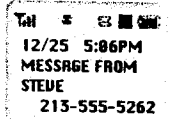
1 Press () button.

- The list of messages are displayed in the order received.
- Unchecked messages are displayed with the letter 'N' in front of the message number.



2 Use the scroll buttons + () to select the message that you want to check.

- The message scrolls up automatically after a given time has passed.
- Use the scroll buttons (/) or the volume buttons to scroll up or down the whole message.
- To delete a message, press (), then choose between YES/NO.

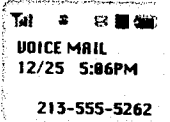


- To check the number of the message origin, press () and the phone number of the sender is displayed on the screen. To call that number, press () again.
- To back up to the previous screen, press ().

Voice message

1 Press () button.

- Voice messages can only be checked and not be stored in the list.

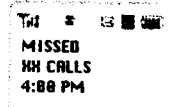


2 Press () button.

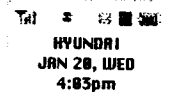
- Short message service is an optional service. Contact your local service provider to see if this service is available in your area.

1 Missed calls while you were away from the phone is displayed on the screen as shown.

- If the auto answering features is enabled, this feature is disabled.
- Up to 99 missed calls can be displayed.



2 To back up to the initial display, press ().



This feature allows you to check the biorhythm for today or a specific day using your birthday.



1 Press (P) → (E) → (I).

Tel 5 3:00
 1: Today
 2: Other Day
 3: Birthday

2 Press (3) for "Birthday".

• Enter the year/month/day, then press [OK] button.

Tel 5 3:00
 - Set Date -
 HH/HH/HHHH

3 To check today's biorhythm press 1. To check the biorhythm of a specific day, press 2.

• Today's biorhythm can only be checked if time information is received from the service provider.

Tel 5 3:00
 HHHH days old
 P 98
 E 98
 I -98
 ↑ Dangerous day
 → Vital period
 ← Lethargic period

• The number of days elapsed since the birthday is displayed on the top of the screen, and the physical (P), emotional (E), intelligent (I) quotients are displayed.

What is biorhythm?

Biorhythm is a life rhythm that is governed by three rhythm curves called physical, emotional, and intelligent and starts from within our bodies from our birth to death.

Physical rhythm (P)

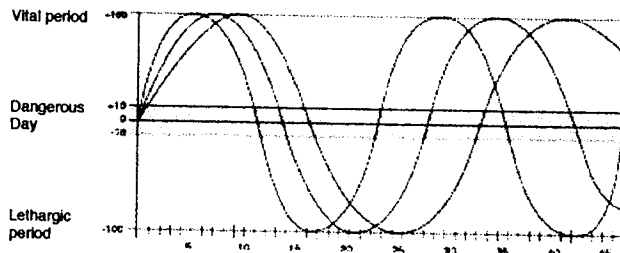
This rhythm indicates wide-ranging physical elements related to resistance to diseases, physical strength, adjustment of muscle exercise, speed, physiology, and other basic physical function with a cycle of 23 days.

Emotional rhythm (E)

This rhythm indicates creativity, sensitivity, mental health, and recognition about world and humans with a cycle of 28 days.

Intelligent rhythm (I)

This rhythm indicates our memory, susceptibility to fright, acceptance of knowledge, and logical and analytic power with a cycle of 33 days.

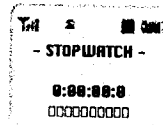


	Physical rhythm (23 days) (Health and sports rhythm such as weight, stamina, courage etc.)	Emotional rhythm (28 days) (Stability rhythm such as work or love life)	Intelligent rhythm (33 days) (Learning and efficiency rhythm such as memory, ability to analyze, concentration)
Vital period	Suitable for tasks requiring physical strength, travel, intensive sports training. But be careful about overconfidence in your body and overdrinking. Good period for rapid recovery from surgery.	Takes care of works full of vitality. Good time for joint work, love seeking, and date.	Fast brain activity, lots of mental work. Planning, reviewing. Good time to make decisions about important matters.
Dangerous Day	High probability of increased body temperature, occurrence of chronic disease, cold, headache. Be careful about driving and other hazardous situations.	Emotions and nerves are easily shaken. Irritation, slip of the tongue, malicious gossip can worsen the condition of a disease.	Lack of attention and concentration leads to a mistake. Better to postpone important decisions or entering into contracts. Be careful about driving.
Lethargic period	Easily be fatigued. Need to refrain from drinking, overeating, and excessive physical exercise. Rest is important. Regular and light exercise will increase your potential power.	Become passive at work. Better not tackle work requiring patience and creativity. Need to take rests while avoiding personal relationships and challenges.	Relatively low level mental work. Avoid demanding brain work and courses you are not confident in. Organize materials, notes and cards.

Stopwatch function



1 Press () → 5 → 2.



2 Use the volume () buttons to start the stopwatch.

- Volume Up key [] : Start/Stop/Split Control
- Volume Down key [] : Split/Stop release/Reset
- The time is displayed at a resolution of 1/10th of a second.

3 Press () to back up to the previous menu.

World time display Function



1 Press () → 5 → 3.

- The time of 36 cities in the world can be displayed.



2 Use the scroll buttons to select the desired city, then press () button.

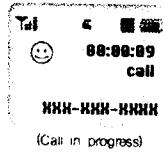
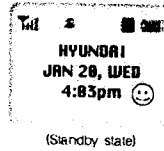
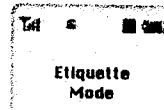
3 The city chosen will blink on the world map displayed on the screen.



This feature is useful for places such as library or cinema.

To enable

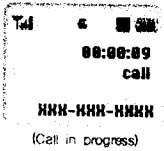
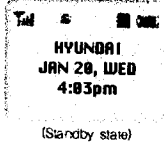
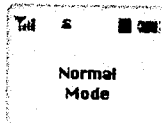
- 1 Press the Etiquette (🔇) button.



To disable

- 1 Press the Etiquette (🔇) button.

- The phone returns to the state before entering the etiquette mode.



- Etiquette button can be used both in standby state or while a call is in progress.
- If this feature is enabled, all the key tones and DTMF tones, alerts and call connect beeps are muted and the receiver type turns into vibration regardless of the type chosen by the user.

If the phone is powered off, etiquette feature is disabled and the phone returns to the state before entering the etiquette mode.

Appendix

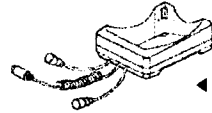
- Optional devices
- Summary table of functions

Optional devices

Hands-free kit for vehicles

Hands-free kit allows you to use the phone while you are driving in a vehicle. The handset gets power from the vehicle hence the long talk time and the battery can be charged as well.

Contents of the hands-free car-kit



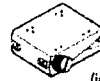
◀ Mounting Stand



◀ Mounting Stand Base (including screws)



◀ Hands-free Box



◀ Hands-free Box Base (including screws)



◀ Power Cable



▲ Hands-free Microphone

• For more information, refer to the hands-free kit user manual.

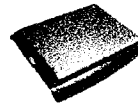
Others

Cigar Lighter Charger



Allows you to use the handset with or without the battery pack installed. The handset gets power from the cigar lighter jack and if the battery pack is installed on the handset, the battery pack gets charged.

Extend Lifetime Battery



Slim Battery



Summary table of functions

Summary table of functions

Function	Usage	Page
Turning on/off the phone	Press [] until a beep is heard	19p
Emergency Call	[Emergency number] []	19p
To Call	{ Area Code } [Phone number] []	20p
To End a Call	Close the folder or press []	20p
To Receive a Call	Open the folder or press any button	22p
Adjusting volume using the volume buttons	Press the volume buttons at the corresponding state(while a call is in progress, standby state, using hands-free)	23p
Selecting Ring/Vibration	[] [2] [1] [] [] []	24p
Ring Selection	[] [2] [2] [] [] []	24p
Adjusting Ring Volume	[] [2] [3] [] [] []	25p
Auto Answer	[] [2] [4] [] [] []	27p
Storing phone number	[Enter number] [] [Enter Location/] [Name] []	31p
One-touch Dialing	Hold down the number (0-9)	33p
Two-touch Dialing	Press the first digit, then hold down the second digit (10-99)	33p
Call History	[] [1] [1] [] []	34p
Searching/Recalling a number by Location	[] [1] [2] [Enter Location] [] []	35p
Searching/Recalling a number by Number	[] [1] [3] [Number] [] [] []	36p
Searching/Recalling a number by Name	[] [1] [4] [Name] [] [] []	37p
Viewing Schedule	[] [2] [1] [] []	38p
Editing Schedule	[] [2] [2] [Location/] [] [] [Enter Date, Time] [] [Edit Message] []	38p
Setting Alarm Call	[] [2] [3] [] [] [] [Enter Time] [] [Enter phone number] []	40p
Calculator	[] [4]	41p

Function	Usage	Page
Date and Time display	[] [1] [1] [] [] []	46p
Adjusting Backlight	[] [1] [2] [] [] []	47p
Adjusting LCD contrast	[] [1] [3] [] [] []	48p
Air time display	[] [3] [1]	50p
Last Call time display	[] [3] [2]	50p
Time Alert	[] [4] [1] [] [] []	51p
Call Connect Alert	[] [4] [2] [] [] []	51p
Change of Service Alert	[] [4] [3] [] [] []	52p
Auto Lock	[] [0] [Lockcode] [1] [] [] []	53p
Changing Lockcode	[] [0] [Lockcode] [2] [Enter new lockcode] []	54p
Changing Greetings	[] [0] [Lockcode] [3] [Edit new greetings] []	55p
Restricting Handset Use	[] [0] [Lockcode] [4] [] [] []	56p
Restricting Incoming Calls	... [1] [] [] []	57p
Restricting Outgoing Calls	... [2] [] [] []	57p
Restricting Memory Use	... [3] [] [] []	58p
Clearing Memory	[] [0] [Lockcode] [5] [1] [] [] []	59p
Clearing Call History	[] [0] [Lockcode] [5] [2] [] [] []	59p
Clearing Air Time	[] [0] [Lockcode] [5] [3] [] [] []	60p
Handset initialization	[] [0] [Lockcode] [6] [] [] []	62p
Sending your number	[] [1] while a call is in progress	63p
Silent pad number storing	[] [3] [Enter number] [] [Enter Location/] [Enter Name] [] while a call is in progress	63p
Muting the microphone	[] [4] while a call is in progress	64p

Function	Operation	Page
Electronic Dialing	[Enter number] [] [1] [Number to dial after the call is connected]	64p
Checking your number	[] [0] [1]	64p
Checking the phone's version	[] [0] [2]	65p
Checking received message	[] [/]	68p
Checking Biorhythm	[] [5] [1] [1~3] [Date / Entering Birthday] []	70p
Stopwatch	[] [5] [2] [/] []	72p
World Time	[] [5] [3] [/] []	73p
Etiquette Feature	[] button (toggle)	74p