

HYUNDAI
WIRELESS

HYUNDAI

HGC-120

User's Manual

HYUNDAI

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Chapter 1

Getting Started

- 11 Precautions
- 12 Description of the Phone and Accessories
- 13 Phone Overview
- 14 Inserting and Removing the Battery
- 15 Charging the Battery
- 16 Tips on Efficient Use of the Battery



Precautions



Before you start, please make sure that the battery is fully charged.



Do not use the phone in high-temperature or high-humidity environments. If soaked with liquids, the phone may not be possible to be repaired.



Do not take apart or modify the phone.



Do not touch the antenna during a call.



Keep the phone in a safe place when not in use to avoid damages resulting from vibration or impact.



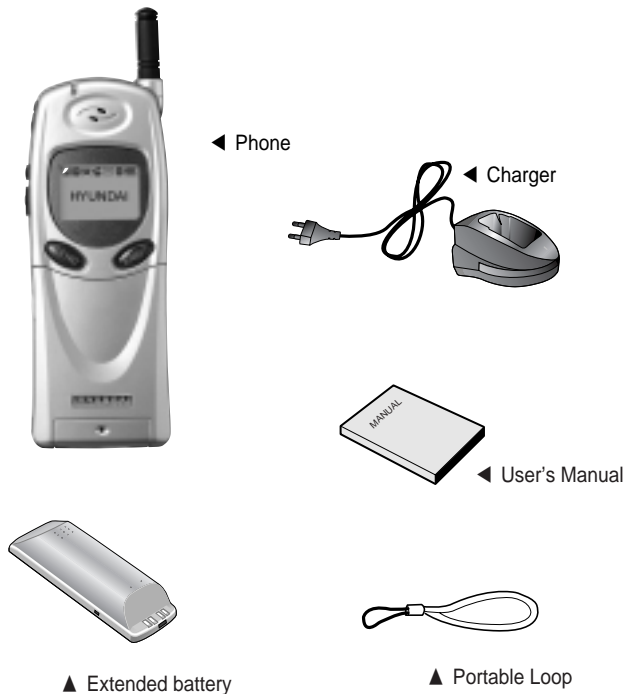
Do not clean your phone with chemical solutions such as solvent or thinner.



Do not use or place your phone near explosive materials, inflammable liquids or gases.

Description of the Phone and Accessories

Thank you for choosing Hyundai Electronics. Please check your phone kit to make sure that the kit includes the following items.



In case of any product defect, please report it to the place of purchase immediately.

Phone Overview

Main components and their functions



Phone Overview

Function keys



Enters menu and shows a list of functions or features served.



Makes or answers a call.



Terminates a call or returns to standby(initial) mode by pressing the key quickly.
Switches the phone on/off by pressing and holding the key for more than one second.



Erases one character at a time, clears all at once and returns to standby mode by pressing the key for more than one second or exits from the current menu.



Saves a setting in memory when in menu; Stores a phone number and the associated name in memory or deletes them; or Retrieves a list of phone numbers or names that are stored in memory or the last 10 called numbers.



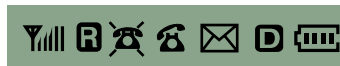
Scrolls through menus, settings or memories.



Retrieves text or voice messages.

Phone Overview

Display indicators



(Signal strength)

Shows signal strength with the number of bars(0-5).



(Roaming)

Indicates that the phone is within service area of a cellular system other than your home registered system.



(Service possible/impossible)

When within service area, is displayed.
If not, is displayed.

(IN USE)

Appears when the line is busy.



(Short message service)

Appears when text or voice messages are received and currently held.



(Digital mode)

Indicates that the phone is in digital mode.



(Balance of battery power)

Shows balance of available battery power with the number of bars (0-4).

Inserting and Removing the Battery

Inserting the battery

- 1 Put the battery to fit into the groove at the bottom of the phone and then press the battery to the direction of ② until it snaps.

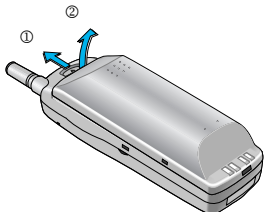


The battery must be correctly placed in the battery compartment.

If battery is incorrectly inserted, the phone won't turn on or the battery may slip out when in use.

Removing the battery

- 1 Pull out the battery to the direction ② while pushing the separation tab to the direction ①.



Charging the Battery

Connecting power

Connect the charger to a 160v~280v AC outlet.

When connected, the orange light blinks once.



Charging the battery only

To charge the battery only, insert the battery pack into the charger slot.



Charging the battery with the phone

To charge the battery with the phone, insert the battery-mounted phone into the charger slot.



- Battery is not charged when you purchase the phone.
- Fully charge the battery before use.
- Charging the battery with the phone on is less efficient than charging it with the phone off.






Charging the Battery

Indication of a full charge

Battery charging is completed when the green light stays on.

Indication of charging progress with the lamp

Starting (Orange color on)	Charging in progress (Red color on)	Charging completion (Green color on)
		



If the lamp of the charger is not turned on or the red light blinks after installing a battery in the charger, it indicates that the battery is not being charged. It also tells that the battery either has poor quality or is not installed properly. In either case, check if there is any impurity on your battery or charger and then attach the battery to your phone before charging it.



Charging the Battery

Battery charging time

Extended battery	About 300 minutes
------------------	-------------------



If the surrounding temperature and that of battery itself is excessively high or low, charging may not be completed due to battery characteristics. So you need to charge the battery at normal temperature.

Battery lifetime(for new battery)

Type		Extended Battery
Status		
Continuous call		300~350 min.
Continuous Standby	Slot mode 1	80~96 hours
	Slot mode 2	100~130 hours

- More power is consumed during an active call than in standby mode, accordingly, the standby time becomes shorter as the call gets longer.
- Battery lifetime varies depending on the operation environment (e.g., level of charging, operating temperature, usage, radio wave conditions, or keypad lighting time).
- The continuous standby time in digital mode can be different depending on the service types related to the slot mode of the mobile system provided by the service carrier.
- Slot mode is a communication cycle between the mobile system and the phone during the continuous standby in digital mode. The shorter the slot cycle, the more the number of switching is carried out, which causes more power to be consumed, resulting in less standby time.



Tips on Efficient Use of the Battery

- ♣ Avoid charging in extreme temperatures not to drop the charging efficiency.
Do not charge under direct sunlight and hot and humid conditions.
- ♣ Keep your battery away from fire. Do not disassemble the battery or connect a battery pin to another for avoidance of battery explosion.
- ♣ Do not drop or hit the battery to an edge.
Heavy impacts on your battery can damage the circuits and components inside the battery pack and make its life shorter.
- ♣ Repetitive trials of battery charging gives an influence on battery lifetime.
Use a new one if your fully charged battery does not lasts for more than half of the battery lifetime as shown on page 15.
- ♣ Use only the accessories approved by the handset manufacturer to avoid damages on your handset and charger.
- ♣ Keep the battery pins and metallic parts of the charger clean before charging. Battery charging may not be completed if your battery or charger is dirty.
- ♣ Store or use your battery in a cool and dry place.
If the battery is left in a very hot or cold place, it causes poor battery performance and shorter battery lifetime.

Chapter 2

Basic Operations

- 1 Switching the Phone On and Off
- 2 Making a Call
- 3 Receiving a Call
- 4 Adjusting a Volume Level
- 5 Selecting an Incoming Call Alert
- 6 Selecting a Ringing Tone





Switching the Phone On and Off

Switching on the phone



- 1 Press and hold [END/] until the LCD light is turned on.



Reference

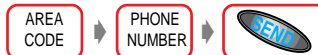
Your phone is in lock mode if "LOCKCODE" is displayed on the LCD.
Enter your four-digit lock code to unlock the phone.

Switching off the phone

- 1 Press and hold [END/] until POWERING OFF is displayed and then the LCD light is turned off.



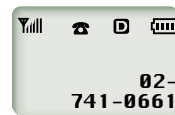
Making a Call



- 1 Enter the area code and phone number with the numeric keypad(0-9).

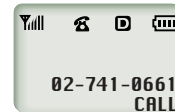
Correcting dialing mistakes.

- Press [CLR] quickly to delete one character at a time.
- Press and hold [CLR] for more than 1 second to clear the entire phone number all at once.

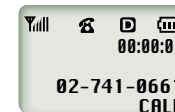


- 2 Press [SEND] .

- "CALL FAILED" indicates that your call is not connected.
- Press [END/] and [SEND] to try a call again when the line is busy.



- 3 Press[END/] or close the phone to terminate the call.



Reference

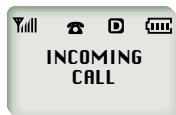
- Press [SEND] to redial the number you just called.
- If [] is displayed on the LCD, it indicates that the phone is out of service area of a cellular system. Move to the nearest service area to make a call.



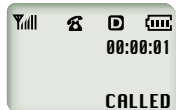
Receiving a Call

Press any key

① When a call is received, the phone rings, the answering lamp blinks and "INCOMING CALL" message is displayed on the LCD.



② Press any key.



③ Have a telephone conversation.

④ Press [END/⏻] to terminate the call.



Reference

- AUTO ANSWER allows you to receive an incoming call automatically after the predefined number of rings.
- You can also receive a call by pressing volume keys even if the phone is closed.



Adjusting a Volume Level

The current volume setting can be controlled in two ways; by using the volume key or the menu key.

With the volume key



① Press the volume key on the side of the phone to adjust the volume level of earpiece, ringer, keypad or hands free kit.

- Adjust earpiece volume during a call.
- Adjust beep volume in standby mode.
- Adjust hands-free volume when the hands-free-kit is in use.



② Press [MEM] to store the setting. Otherwise the setting is stored automatically in two seconds.



Adjusting a Volume Level

With the [MENU] key



① Press [MENU], ② and ③ in standby mode

Y|||
 1: RCU. TYPE
 2: SELCT RING
 3: RINGER VOL
 4: AUTO ANS.

② Press [*▲ or #▼] to scroll to the desired volume.

Y|||
 RINGER VOL
 — ■■■■
 [MEM] [END]

③ Press [MEM] to store the setting.



Selecting an Incoming Call Alert

You can select ringing tone, vibration or both of them as the alert signal during an incoming call



① Press [MENU], ② and ① in standby mode.

Y|||
 1: RCU. TYPE
 2: SELCT RING
 3: RINGER VOL
 4: AUTO ANS

② Press [*▲ or #▼] to scroll to the desired option.

- RINGER: sounds ringing tone.
- VIBRATION: activates vibrator.
- SILENT LAMP: blinks answering lamp without ringing.
- VIB+RINGER: vibrates for 18 seconds and then rings.

Y|||
 RCU. TYPE
 ► RINGER
 [MEM] [END]

③ Press [MEM] to store the setting.



Selecting a Ringing Tone

Various ringing tones are available for the alert during an incoming call.



① Press [MENU], ② and ② in standby mode.

Y III
 1: RCU. TYPE
 2: SELCT RING
 3: RINGER VOL
 4: AUTO ANS

② Press [*▲ or #▼] to scroll to the desired tone.

● 8 different melodies and 6 ringing tones are available as an incoming call alert signal.

Y III
 RINGER SELCT
 ► 0 TYPE
 [MEM] [END]

③ Press [MEM] to store the setting.



Chapter 3

Memory Function

- 11 Storing a Phone Number
- 22 Entering Characters with the numeric keypad
- 33 Dialing a Stored Phone Number
- 44 Recalling a Stored Phone Number
- 55 Recalling a Phone Number from Protected Memory Locations(90~99)
- 66 Clearing a Stored Phone Number
- 77 Clearing a Phone Number from Protected Memory Locations (90-99)
- 88 Reserving a Call and Setting Alarm
- 99 Making a Calculation



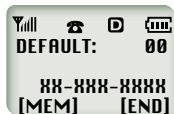


Storing a Phone Number

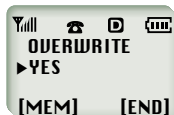
Memory capacity of storing up to 100 phone numbers with associated names allows you to make a flash call in the convenient way.



① Enter a phone number you want to store and press [MEM].



② Enter a memory location number (00-99) for the phone number and press [MEM].



- To change the memory location number, enter a new location number with the numeric keypad, and then press [MEM].
- If you want to hide the phone number, store it in the memory location between 90 and 99. Last 10 memory locations(90-99) are protected with the lock code against unauthorized retrieval of the entry you stored.
- "OVERWRITE?" message is displayed on the LCD if the phone number already exists in the same location.



③ Enter a associated name with the numeric keypad.

- Every key is labeled with corresponding several characters.

④ Press [MEM] to store it.



Entering Characters with Numeric keypad

The following is a table of letters and special characters labeled on the numeric keypad.

①

Select characters you want to enter with the numeric keypad.

Dial button	1st entry	2st entry	3st entry	4st entry	5th entry
1	1				
2ABC	A	B	C	2	
3DEF	D	E	F	3	
4GHI	G	H	I	4	
:	:	:	:	:	
9WXYZ	W	X	Y	Z	9

- When entering special characters(0 ! . ? , - () ' " * # = \$ _ + [] & @), you press [0] repeatedly until the desired characters appear.

②

Press [] to move to the next.

- Cursor shifts to the next column automatically in two seconds after pressing a numeric key.

③

Enter the associated name with the numeric keypad.

- Up to 12 alphanumeric characters are available.



How to correct characters.

- Press [CLR] quickly to delete one character at a time.
- Press and hold [CLR] for more than 0.5 second to clear the entire phone number at once.



Dialing a Stored Phone Number

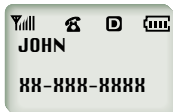
This allows you to make a flash call in the convenient way.

One-touch dialing(for memory location number 0-9)

①

Press and hold the memory location number(0-9) you want for more than 1 second.

- This allows you to call any of the phone numbers stored in the first 10 memory locations (0-9) without pressing [SEND].

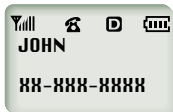


Two-touch dialing(for memory location number 10-99)

①

Press quickly the first digit of the memory location number (10-99) you want and then press and hold the second digit for more than 1 second.

- This allows you to call any of the phone numbers stored in the last 90 memory locations (10-99) without pressing [SEND].



- If the memory location is empty. "EMPTY LOCATION" message is displayed on the LCD.
- If the memory location number to be selected is one of the last 10 locations (90-99), the phone number will not be displayed during a call trial.



Recalling a Stored Phone Number

The phone number stored in memory can be recalled by scrolling through the recent calls or typing the memory location number, the phone number or the name.

Recalling by the recent calls



①

Press [MEM], ① and ①.

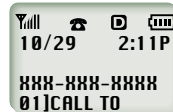
- Up to 10 last calls can be retrieved by the LAST CALL option.



②

Press [*▲ or #▼] to scroll to the phone number you want.

- [#▼] allows you to scroll to recent calls and [*▲] to older calls.



③

Press [SEND] to make a call.





Recalling a Stored Phone Number

Recalling by the memory location number



① Press [MEM], ① and ②.

Y... 1: LAST CALL
2: LOCATION
3: NUMBER
4: NAME

② Enter the memory location number you want or press [*▲ or #▼] to scroll to the desired entry.

Y... RECALL
LOCATION?
[MEM] [END]

- [*▲] allows you to scroll to higher memory location number and [#▼] to lower one.

③ Press [SEND] to make a call.

Y... JOHN
XX-XXX-XXXX
LOCATION: 01



Recalling a Stored Phone Number

Recalling by the phone number



① Press [MEM], ① and ③.

Y... 1: LAST CALL
2: LOCATION
3: NUMBER
4: NAME

② Enter the entire or partial phone number you want and press [MEM].

Y... RECALL
NUMBER?
[MEM] [END]

③ Press [*▲ or #▼] to scroll to the desired entry.

- [*▲] allows you to scroll to higher memory location number and [#▼] to lower one

Y... JOHN
XX-XXX-XXXX
LOCATION: 01

④ Press [SEND] to make a call.



Recalling a Stored Phone Number

Recalling by the name



① Press [MEM], ① and ④.

Y III
1: LAST CALL
2: LOCATION
3: NUMBER
4: NAME

② Enter the entire or partial name associated with the phone number you want and press [MEM].

Y III
RECALL
NAME?
[MEM] [END]

③ Press [*▲ or #▼] to scroll to the desired entry.

- [*▲] allows you to scroll to higher memory location number and [#▼] to lower one.

Y III
JOHN
XX-XXX-XXXX
LOCATION: 01

④ Press [SEND] to make a call.



Recalling a Phone Number from Protected Memory Locations (90-99)



① Press [MEM], ① and ②.

Y III
1: LAST CALL
2: LOCATION
3: NUMBER
4: NAME

② Enter the memory location number (90 ~ 99) you want to recall or press [*▲ or #▼] to scroll to the desired entry.

Y III
RECALL
LOCATION?
[MEM] [END]

③ Press your 4-digit lock code.

Y III
JOHN
LOCKCODE ?
LOCATION: 99

- When you purchase a new phone, the programmed default lock code of the phone is "0000".

Y III
JOHN
XX-XXX-XXXX
LOCATION: 99

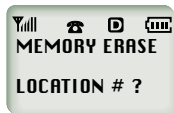
④ Press [SEND] to make a call.



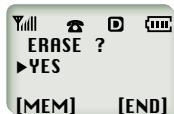
Clearing a Stored Phone Number



① Press [CLR].



② Press the memory location number you want to erase.



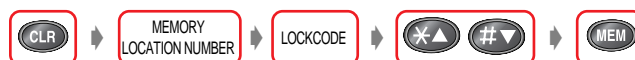
③ Press [*▲ or #▼] to confirm erasing the phone number and select "YES" if acceptable.

- YES indicates that you clear the entry from the memory location leaving it free for the future.
- NO indicates that you exit without erasing the entry.

④ Press [MEM] to activate the operation.



Clearing a Phone Number from Protected Memory Locations (90-99)

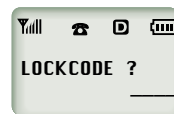


① Press [CLR].



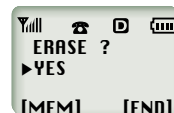
② Enter the memory location number (90 ~ 99) you want to erase.

③ Press your 4-digit lock code.



④ Press [*▲ or #▼] to confirm erasing the phone number and select "YES" if acceptable.

- YES indicates that you clear the entry from the memory location leaving it free for the future.
- NO indicates that you exit without erasing the entry.



⑤ Press [MEM] to activate the operation.

Reserving a Call and Setting Alarm

This feature allows you to reserve a call and the reserved phone number to be displayed at predefined time with an alarm on the LCD. It is available only in digital mode.



① Press [MEM] and ②.

Ylll ☎ D
1: DIRECTORY
2: ALARM CALL
3: CALCULATOR

② Press [*▲ or #▼] to scroll to the desired option.

Ylll ☎ D
ALARM SET
▶ OFF
[MEM] [END]

- OFF: turns an alarm clock off.
- ONCE: sounds an alarm melody for one minute at predefined time, displays the reserved phone number and then sets the alarm off.
- DAILY: beeps an alarm signal at predefined time every day.

● Setting alarm to ONCE

- Enter the time in month,day,hour,minute, e.g., 11/30,12:30.
- Press [MEM].
- Enter the phone number you want to reserve.
- Press [MEM].
- Press [SEND] to dial the reserved number.

● Setting alarm to DAILY

- Enter the time.
- Press [MEM].



Making a Calculation

This feature allows you to use the phone as an calculator available to basic four operations of arithmetic and percentages.



① Press [MEM] and ③.

② Make a calculation you want by referring to the followings:

- Available operators :
= : [MEM] , + : [] , - : [MENU] ,
X : [*▲] , ÷ : [#] . (dot): [SEND]

- Press the key associated with the operator you want.

- Or press [] and then [*▲ or #▼] to scroll to the desired operator and press [MEM].

- You can enter numbers of up to 8 digits(99,999,999) and up to the second decimal place.

If the calculation exceeds 8 digits the phone displays it in the form of 99,999,999 X 10⁷(E7) by using 8 valid digits.

- Use in the form of '0-value' to display the negative number, i.e, '-8'='0-8'.

- If you press the []key, the above menu (for available operators) is displayed on LCD during a calculation.

Ylll ☎ D
EQU(=) : MEM
DOT(.) : SEND
+:SMS *:[*]
-:MEMU /:[#]

Ylll ☎ D
CALCULATOR
0.

Ylll ☎ D
CALCULATOR
+ - * /
0.

Ylll ☎ D
CALCULATOR
e7 =
99999999.

③ Press [END/] to exit and return to the initial display.

Chapter 4

Menu Functions

- 1 Having Access to Menu
- 2 Menu Structure
- 3 Greeting Message
- 4 Time Show
- 5 Back Light
- 6 LCD Contrast
- 7 Receiving Type
- 8 Selecting a Ringing Tone
- 9 Ringer Volume
- 10 Auto Answer
- 11 Phone Number
- 12 Phone Version
- 13 Setting NAM
- 14 Beep Length
- 15 Call Time
- 16 Air Time
- 17 Roam Time
- 18 Time Alert
- 19 Area Alert
- 20 Call Release Alert
- 21 Call Connection Alert
- 22 My Melody
- 23 Stopwatch
- 24 World Time
- 25 Auto Lock
- 26 Setting Lock Code
- 27 Restrict
- 28 Memory Erase
- 29 EVRC Mode
- 30 13k Voice Selection
- 31 Resetting the Phone



Having Access to Menu

1

Press [MENU] and select a menu option you want with the numeric keypad.

● Press [*▲ or #▼] or volume keys to scroll through the list of menu options.

2

Press [CLR] to exit from the current menu step by step and return to the previous one.
Press [END/ ⏻] or [MENU] to exit from the current menu completely and return to the initial display.





Menu Structure

1. DISPLAY



1 : GREETING
2 : TIME SHOW
3 : BACKLIGHT
4 : CONTRAST

2. RCV RING



1 : RCV. TYPE
2 : SELCT RING
3 : RINGER VOL
4 : AUTO ANS.

3. SYSTEM



1 : PREF MODE
2 : PREF SYS.
3 : PHONE NUM
4 : PHONE VER
5 : SET NAM
6 : AUTO NAM
7 : BEEP LEN.
8 : DTMF SPD

4. TIMER



1 : CALL TIME
2 : AIR TIME
3 : ROAM TIME



Menu Structure

5. ALERT



1 : TIME ALERT
2 : AREA ALERT
3 : CALL RLEAS
4 : CALL CNNCT

6. SPECIAL



1 : MY MELODY
2 : STOPWATCH
3 : WORLD TIME

7. SECURITY



1 : AUTO LOCK
2 : SET LOCK #
3 : RESTRICT
4 : MEM ERASE
5 : EVRC MODE
6 : 13K VOICE
7 : RESET PHN

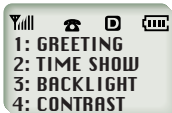


Greeting Message

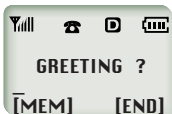
This feature allows you to display a greeting message on the LCD every time you turn on the phone. A greeting message can contain a maximum of 12 characters.



① Press [MENU], ① and ①.



② Enter your greeting message with the numeric keypad.



③ Press [MEM] to store the greeting message.

Time Show

This feature allows you to view current date, day of week, and time on the LCD.

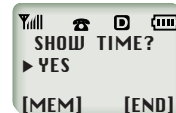


① Press [MENU], ① and ②.



② Press [*▲ or #▼] to scroll to the desired option.

- YES: activates Time Show function.
- No: cancels Time Show function.



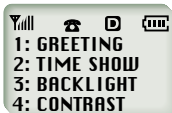
③ Press [MEM] to store the setting.

Backlight

This feature is useful when the phone is used in dark places.



① Press [MENU], ① and ③.



② Press [*▲ or #▼] to scroll to the desired backlighting time.

- 1,2,4,6,8, or 10 SECOND(S): indicates the duration of the backlighting time.
- ALWAYS ON: sets the backlight to be on all the time.
- OFF: sets the backlight to be off all the time.
- OFF IN DAY: turns off the backlight from 9AM to 5PM. ([▶ Power Save Mode](#))



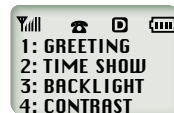
③ Press [MEM] to store the setting.

LCD Contrast

This feature allows you to adjust LCD contrast of the phone.



① Press [MENU], ① and ④.



② Press [*▲ or #▼] to scroll to the desired contrast level.

- Level 1 to 8 are available for contrast levels of the LCD.



③ Press [MEM] to store the setting.



Receiving Type

Refer to page 23, please .



Selecting a Ringing Tone

Refer to page 24, please .



Ringer Volume

Refer to page 22, please .

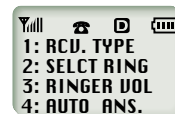


Auto Answer

This feature allows you to receive an incoming call automatically after predetermined number of rings.

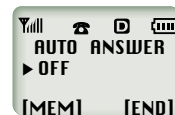


Press [MENU], ② and ④.



Press [*▲ or #▼] to scroll to the desired number of rings.

- 1,2,4, or 6 RING(S): indicates the number of rings before answering a call.
- OFF: cancels Auto Answer function.



Press [MEM] to store the setting.



Phone Number

This feature allows you to view your phone number in standby mode.



- ① Press [MENU], ③ and ③ .



Phone Version

This feature allows you to view the software version of the phone in standby mode.



- ① Press [MENU], ③ and ④ .



Setting NAM

This feature allows you to select one out of the phone numbers in case the phone is registered 2 or more systems.



- ① Press [MENU], ③ and ⑤ .



- ② Press [*▲ or #▼] to scroll to the desired NAM.

- Up to 4 NAMs (NAM1-NAM4) are available in case each NAM has an assigned number

- ③ Press [MEM] to store the setting.

Beep Length

This feature allows you to adjust the length of key beep.



① Press [MENU], ③ and ⑦.



② Press [*▲ or #▼] to scroll to the desired beep length.

- Burst: Sets a short beep tone.
- Continuous: Sets a long beep tone.

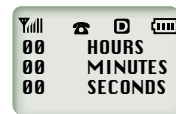
③ Press [MEM] to store the setting.

Call Time



① Press [MENU], ④ and ①.

- This feature allows you to view the duration spent in conversation of the last call in hours, minutes and seconds.

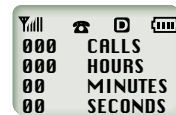


Air Time



① Press [MENU], ④ and ②.

- This feature allows you to view the total duration spent in conversation for all calls in calls, hours, minutes and seconds.



Roam Time



① Press [MENU], ④ and ③.

- This feature allows you to view the total duration spent in conversation of roaming calls in calls, hours, minutes and seconds.



Time Alert

Time minder

With this feature On, You will be notified during a call once every minute by a short beep tone.



① Press [MENU], ⑤ and ① .



② Press [*▲ or #▼] to scroll to the desired option.

- YES: sounds alert in every minute.
- NO: cancels Time Alert function.

③ Press [MEM] to store the setting.

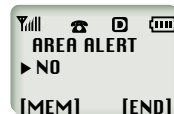
Area Alert

Area minder

This feature reminds you of the change of service area, i.e., leaving, entering or changing service area of your home or other cellular system.



① Press [MENU], ⑤ and ② .



② Press [*▲ or #▼] to scroll to the desired option.

- YES: sounds alert and displays a message when the change of service area occurs .
- NO: cancels Area Alert function.

③ Press [MEM] to store the setting.

- As a reminder, an alert tone sounds and one of the following messages is displayed on the LCD.

- ① CHANGING SVC AREA : indicates that you are just moving to another service area of a cellular system different from the existing one.
- ② LEAVING SVC AREA : indicates that you are just getting out of service area of the current system.
- ③ ENTERING SVC AREA : indicates that you are just entering service area of a cellular system out of non-service area.



Call Release Alert

This feature allows the phone to beep when the call is disconnected.



① Press [MENU] , ⑤ and ③.



② Press [*▲ or #▼] to scroll to the desired option.

- YES: sounds alert when the call is released.
- NO: cancels Call Release Alert function .

③ Press [MEM] to store the setting.

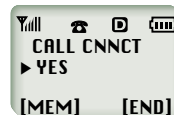


Call Connection Alert

This feature allows the phone to beep when a call is connected.



① Press [MENU] , ⑤ and ④.



② Press [*▲ or #▼] to scroll to the desired option.

- YES: sounds alert when a call is connected.
- NO: cancels Call Connection Alert function.

③ Press [MEM] to store the setting.

My Melody

This feature allows you to input any melody you want as the incoming call alert.

Inputting the melody



① Press [Menu], ⑥, ① and ①.

- The inputted melody is displayed on the LCD and heard when [SEND] is pressed. "ONDALSAM" is heard when there is no melody inputted.
- Please refer to page 58 to edit the melody displayed on the LCD.
- Press [MEM] at the initial display if you want to change the inputted melody to the default "ONDALSAM".



② Press [MEM] after inputting the melody.

- Please refer to page 58 to see how to input the melody.



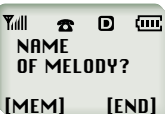
③ Press [*▲ or #▼] to scroll to the desired tempo and press [MEM].

- The following 7 tempos are available : LARGO, ADAGIO, ANDANTE, MODERATO, ALLEGRO, VIVACE and PRESTISSIMO.



④ Enter the name of the melody and press [MEM]

- Please refer to page 27 for inputting the melody name.
- "Overwrite?" is displayed when there is another melody inputted.
- Press [*▲ or #▼] to scroll to "YES" and press [MEM] to replace the old melody by the new one.
- The inputted melody is added to the ringing tone list with the associated name.



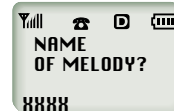
My Melody

Listening to the melody



① Press [Menu], ⑥, ① and ②, and the melody name is displayed on the LCD and the melody is heard.

- Press [STOP] to stop hearing the melody.
- "ONDALSAM" melody is heard if there is no melody inputted.
- Press [SEND] to listen to the melody again.



Adjusting the melody tempo



① Press [Menu], ⑥, ① and ③ to view the tempo of the inputted melody.



② Press [*▲ or #▼] to scroll to the desired tempo and press [MEM]

- There are 7 different tempos.

Melody



Inputting/Editing the melody

1 Press **①** to switch the mode from the initial basic scale to high scale and to low scale in turn.

- **Basic Scale(B Mode):** Each syllable names are assigned to the corresponding keys as the followings: ①-Do, ②-Re, ③-Mi, ④-Fa, ⑤-Sol, ⑥-La, ⑦-Si, ⑧-High Do, ⑨-High Re.

A quarter note corresponding to each key appears on the staves, when any key is pressed, and the mark "B" that means the basic scale is displayed on the top of each note and on the right bottom side of the staves.

- **High Scale(H Mode):** ③-High Mi, ④-High Fa, ⑤-High Sol, ⑥-High La, ⑦-High Si are assigned respectively to each set of numeric key-syllable name.

The treble clef of staves is scrolled down to be displayed and a quarter note corresponding to each numeric key appears at the Mi, Fa, Sol, La and Si position of N mode when any key is pressed.

Also the mark "H" that means the high scale is displayed on the top of each note and on the right bottom side of the staves.

- **Low Scale(L Mode):** The syllable name assigned to each numeric key is ④-Low Fa, ⑤-Low Sol, ⑥-Low La, ⑦-Low Si respectively.

The treble clef of staves is scrolled up to be displayed and a quarter note corresponding to each numeric key appears at the Fa, Sol, La and Si position when any key is pressed.

Also the mark "L" that means the low scale is displayed on the top of each note and on the right bottom side of the staves.

2 Whenever **⌘** is pressed, when a quarter note is displayed, the note is switched to the eighth, the sixteenth, the full and the half note in turn.

3 When **♯** is pressed, "♯" is displayed under the note and the note is set to raise half scale.

Select one scale lower note and press **♭** to make a half scale lower note.

4 Press **⏸** and **⏹** and select the pause to input a rest.

5 Press the volume keys to move between musical notes and edit the music. The upper key moves the note forward, while the lower key moves backward one by one.

Melody



Inputting/Editing the melody

2 After moving to the position to input a note in by pressing the volume keys, press **⏹** to input a note.

7 Press **⏹** to erase a note.

8 Press **⏮** to listen to the inputted melody, during the input of melody, and press **⏭** to stop it.

9 The screen is changed to the next display when inputting another note after the input of 10 notes.

- Up to 100 notes can be inserted.

E.g.)When inputting



1 Press **⏮** and **⏹**.

2 Press **⑥** and **⏹**.

3 Switch to the low scale mode by pressing **①** twice and press **⑦** and **⏹**.

4 Switch to the basic scale mode by pressing **①** and press **⑦** and **⏹**.

5 Press **⑧** and press **⏹** four times.

6 Press **⏮** and **⏹**.

7 Press **④**.

8 Press **⑦** and **⏹**.

9 Switch to the high scale mode by pressing **①** and press **④**.

10 Switch to the basic scale mode by pressing **①** twice and press **⑨**.

Stopwatch



① Press [MENU], ⑥ and ② .



② Press [*▲ or #▼] to control the stopwatch.

- [▲]: controls Start/Stop/Split
- [▼]: controls Split/Split Release /Reset
- The time unit displayed on the LCD is in the 1/10 second.

③ Press [END/☺] to exit and return to the initial display.

World Time

This feature allows you to see local standard time all over the world. It is available only in digital mode.



① Press [MENU], ⑥ and ③.



② Press [*▲ or #▼] to scroll to the desired city.

- The following cities are available:
Athens, Baghdad, Bangkok, Beijing, Berlin, Cairo, Calcutta, Chicago, Denver, George Town, Gusubei, Hong Kong, Honolulu, Karachi, London, Los Angeles, Madrid, Manila, Melbourne, Mexico City, Miami, New York, Okhotsk, Paris, Phoenix, Rangoon, Rio de Janeiro, Rome, Samoa, Sanfrancisco, Seattle, Seoul, Sydney, Teheran, Tokyo, Wellington.

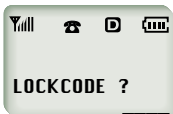
③ Press [MEM] to see it.

Auto Lock

This feature protects the phone against unauthorized use.



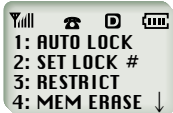
① Press [MENU] and ⑦.



② Enter your 4-digit lock code.

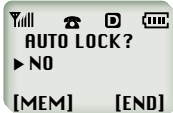
- When you purchase the phone, the default programmed lock code is "0000".

③ Press ① (AUTO LOCK)



④ Press [*▲ or #▼] to scroll to the desired option.

- Yes: activates Auto lock function.
- No: cancels Auto lock function.



⑤ Press [MEM] to store the setting.



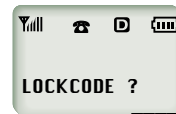
- The Auto Lock function is not activated when you purchase the phone. You should, however, activate it as soon as possible.
- Once the Auto Lock function is set to YES, the phone is in lock mode is in lock mode whenever you turn the phone on.

Setting Lock Code

This feature allows you to change the lock code of the phone.



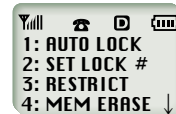
① Press [MENU] and ⑦.



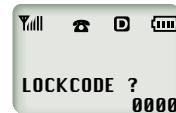
② Enter the current 4-digit lock code.

- When you purchase the phone, the default programmed lock code is "0000".

③ Press ② (SET LOCK#)



④ Enter a new 4-digit lock code.



⑤ Press [MEM] to store the setting.



Restrict

This feature allows you to restrict the use of your phone for each of 4 types of call bar.



① Press [MENU] and ⑦ .

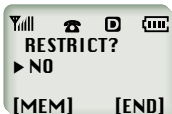


② Enter your 4-digit lock code.

- When you purchase the phone, the programmed default lock code is "0000".



③ Press ③ (RESTRICT)



④ Press [*▲ or #▼] to scroll to the desired option.

- YES: activates Restrict function.
- NO: exits without changing the setting and returns to the previous menu.

⑤ Press [MEM] to enter the next menu.



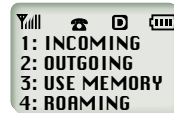
Restrict

Barring all incoming calls

This feature makes the phone not respond to all incoming calls while all outgoing calls are allowed.



① Press ① (INCOMING)



② Press [*▲ or #▼] to scroll to the desired option.

- RESTRICT: bars incoming calls.
- ALLOW: allows incoming calls.



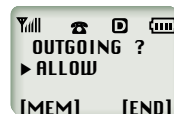
③ Press [MEM] to store the setting.

Barring all outgoing calls

This feature makes the phone not allow all outgoing calls except certain emergency calls.



① Press ② (OUTGOING)



② Press [*▲ or #▼] to scroll to the desired option.

- RESTRICT: bars outgoing calls.
- ALLOW: allows outgoing calls.

③ Press [MEM] to store the setting.



Restrict

Barring the use of memory

This feature protects the phone against unauthorized retrieval or update of entries(phone numbers, names and location numbers ,etc.) stored in memory.



① Press ③ (USE MEMORY)



② Select RESTRICT or ALLOW by using the scroll buttons.

- RESTRICT: bars the use of memory.
- ALLOW: allows the use of memory.

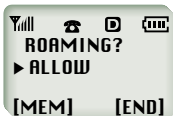
③ Press [MEM] to store the setting.

Barring all roaming calls

This feature protects the phone against unauthorized use of roaming calls.



① Press ④ (ROAMING)



② Press [*▲ or #▼] to scroll to the desired option.

- RESTRICT: bars roaming calls.
- ALLOW: allows roaming calls.

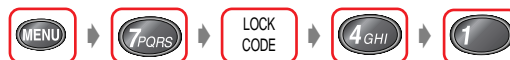
③ Press [MEM] to store the setting.



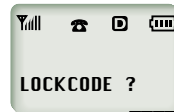
Memory Erase

Clearing memory entries

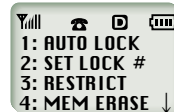
This feature allows you to erase the entries from memory.



① Press [MENU] and ⑦ .

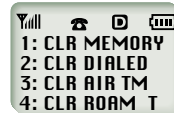


② Enter your 4-digit lock code.



- When you purchase the phone, the programmed default lock code is "0000".

③ Press ④ and ① (CLR MEMORY).



④ Press [*▲ or #▼] to scroll to the desired option.



- YES: clears memory entries.
- NO: exits without erasing them.

⑤ Press [MEM] to activate the operation.

Memory Erase

Clearing call history

This feature allows you to erase the last 10 phone numbers from memory.



① Press [MENU] and ⑦ .

② Enter your 4-digit lock code.

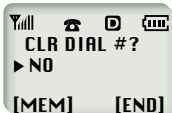
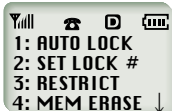
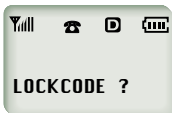
• When you purchase the phone, the programmed default lock code is "0000".

③ Press ④ and ② (CLR DIALED).

④ Press [*▲ or #▼] to scroll to the desired option.

- YES: clears the entries.
- NO: exits without erasing them.

⑤ Press [MEM] to activate the operation.



Memory Erase

Clearing air time

This feature allows you to erase the total air time from memory.



① Press [MENU] and ⑦ .

② Enter your 4-digit lock code.

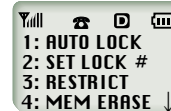
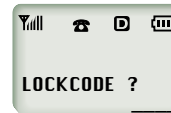
• When you purchase the phone, the programmed default lock code is "0000".

③ Press ④ and ③ (CLR AIR TM).

④ Press [*▲ or #▼] to scroll to the desired option.

- YES: clear the entry.
- NO: exits without erasing it.

⑤ Press [MEM] to activate the operation.



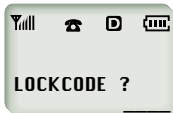
Memory Erase

Clearing roam time

This feature allows you to erase the total roam time.

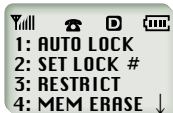


① Press [MENU] and ⑦ .

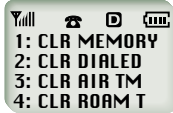


② Enter your 4-digit lock code.

- When you purchase the phone, the programmed default lock code is "0000".

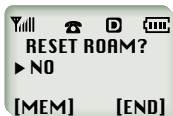


③ Press ④ and ④ (CLR ROAM)



④ Press [*▲ or #▼] to scroll to the desired option.

- YES: clear the entry.
- NO: exits without erasing it.



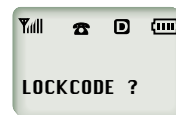
⑤ Press [MEM] to activate the operation.

EVRC MODE

This feature allows you to set EVRC mode.



① Press [MENU] and ⑦ .



② Enter your 4-digit lock code.

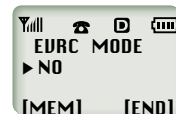
- When you purchase the phone, the programmed default lock code is "0000".

③ Press ⑤ (EVRC MODE)



④ Press [*▲ or #▼] to scroll to the desired option.

- YES: sets EVRC mode.
- NO: exits without changing.



⑤ Press [MEM] to activate the operation.

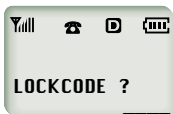


13K Voice Selection

This feature allows you to set 13K vocoder.



① Press [MENU] and ⑦ .

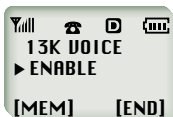


② Enter your 4-digit lock code.

- When you purchase the phone, the programmed default lock code is "0000".



③ Press ⑥ (13K VOICE).



④ Press [*▲ or #▼] to scroll to the desired option.

- ENABLE: activates 13K Vocoder.
- DISABLE: cancels 13K Vocoder.

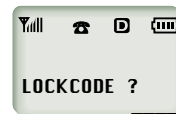
⑤ Press [MEM] to activate the operation.



Resetting the Phone



① Press [MENU] and ⑦ .



② Enter your 4-digit lock code.

- When you purchase the phone, the programmed default lock code is "0000".

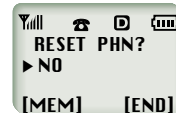
③ Press ⑦ (RESET PHN).



④ Press [*▲ or #▼] to scroll to the desired option.

- YES: resets the phone.
- NO: exits without changing.

⑤ Press [MEM] to activate the operation.



- The phone will be automatically turned off with the message of "Please wait for a moment".



- When resetting the phone, all functions will be initialized except Greeting, Stored phoned numbers and names, Air time, and Lock code.



Chapter 5

Auxiliary Features

- 1 During a Call
- 2 Short Message Service
- 3 Etiquette Function



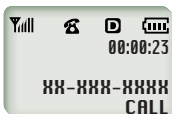
During a Call

Transmitting your phone number

This feature allows you to transmit your phone number automatically during a call.



- 1 Press [MENU] and ①.



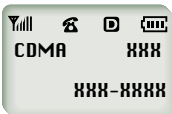
Displaying your phone number

This feature allows you to view your phone number during a call.



- 1 Press [MENU] and ②.

- The phone number will be displayed for 10 seconds.



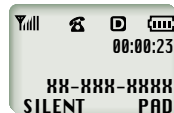
During a Call

Muting the key beep

This feature prevents other party from hearing your key beep when you store a phone number in memory during a call.



- 1 Press [MENU] and ③.



- 2 Enter a phone number you want to store.

- Repeat the above procedure to cancel this operation, and "SILENT PAD" message disappear on the LCD.

- 3 You can see the following steps to store a phone number on page 26.

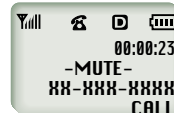
Muting the voice

This feature prevents other party from hearing your voice.



- 1 Press [MENU] and ④.

- Repeat the above procedure to cancel this operation, and "MUTE" message disappear on the LCD.






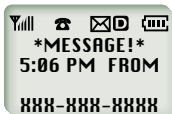
Short Message Service

This feature allows you to receive text or voice messages if supported by your service provider.


Receiving a text message

When a text message is received,  is displayed with the notice of a new message on the LCD.

- The phone alerts you to a new message in the predefined ringing tone.
- Up to 30 text messages can be stored in memory automatically.



Receiving a voice message


When a voice message is received,  is displayed with the notice of a new voice mail message on the LCD.



Short Message Service

Reading the received text message


①

Press ().

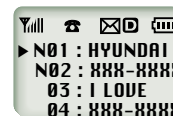
- The number of new messages you have received but not yet read is displayed on the LCD.



②

Press () to select TEXT option.

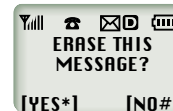
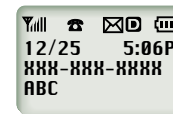
- A list of message headers is displayed on the LCD.
- Letter "N" in front of a message header indicates that the message has not been read.




③

Press [*▲ or #▼] to scroll to the desired message and press [MEM].

- After a short notice of message headers, the corresponding message is displayed automatically on the LCD.
- You can read the message line by line by pressing [*▲ or #▼] or volume keys.



- Press [SEND] to reply to the message during your message check-up.
- Press [CLR] to erase the message.
- Press [END/ 



Short Message Service

Retrieving the received voice message

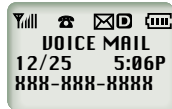
① Press ().

- The number of new messages you have received but not yet read is displayed on the LCD.



② Press () to select VOICE option.

- Press [SEND] to listen to the received voice message, and the phone calls your voice mail box automatically.
- The voice messages are available only to review but isn't stored in memory.



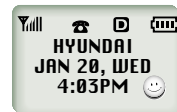
③ Press [END/] to exit and return to the initial display.



Etiquette Function

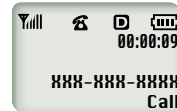
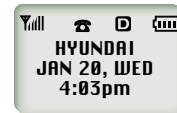
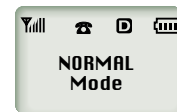
This feature is useful for the public places such as libraries or movie theaters.

① Press () to activate Etiquette function



① Press () to cancel Etiquette function

- The phone returns to the previous one from Etiquette mode.



- Etiquette function is available both in standby mode and during a call.
- If this function is activated, all key tones are muted and an incoming call alert signal turns into vibration regardless of the predefined receiving type.
- If the phone is turned off, Etiquette function is canceled and the alert signal returns to the previous one.

Chapter 6

Appendix

1 Table of Functions

2 Reference



Table of Functions

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Reference

The following functions are system dependable features and should be operated by dealers or service providers. Although these functions are displayed in the LCD, users can not access.

Name of Structure	Name of Function	Illustration
3. SYSTEM	2: PREF SYS.	You may select to receive or make calls by digital mode depending on your location and service available.
	5: SET NAM	With this function a user can select one telephone number list when the user subscribe and uses two or more systems.
	6: AUTO NAM	The handset automatically selects currently available NAM service when the subscriber uses 2 or more systems.