DUAL [CDMA/AMPS] MODE PORTABLE CELLULAR PHONE

USER MANUAL

CDMA/AMPS CELLULAR PHONE *HWC-3000*

HANWHA Corporation / Telecommunication Division

FCC RF EXPOSURE INFORMATION

Read this information before using your handset

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

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

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

Body-worn Operation

This device was tested for typical body-worn operations. To comply with FCC RF exposure requirements, a minimum separation distance of 0.4 inches (1.0 cm) must be maintained between the user's body and a third party belt-clip/holster, including the antenna whether extended or retracted. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with FCC RF exposure requirements and should be avoided.

For more information about RF exposure, please visit the FCC website at www.fcc.gov

1 INTRODUCTION

1.1 This Document

This Document describes the structureof Menu and Features of HWC-3000 model.

1.2 Directions

Offers User Friendly UI Materalization

1.3 Target Model

This User Interface Manual is to be adapted to HWC-3000 model.

User Interface Manual

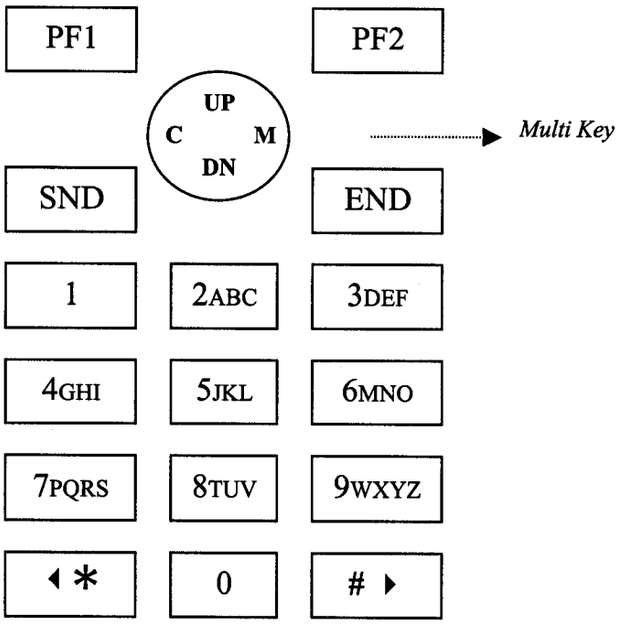
I Hardware Description

1 Display Specification

- Offers Full Graphic LCD, Soft Keys, Soft Icons, Animated icons.
- Total LCD View area of 128*80 dots. Each character is offered by 8*16 dots.
- Offers 5 Lines of display in screen, each line can be displayed by 16 characters
- First Line is for Soft Icon Display. Also can be used as General Text or Graphic Object Displays.
- From Second Line to 4th line is for General Text Display. This also can be used as Graphic Object Display if necessary.
- The last line is for Soft Key Display. This line also can be used for General Letter if necessary.

2 Key description

The following picture explains the method of usage of various keys. In C3000 model, 22 keys are to be used.



C3000 KEY Array

SOFT KEY (L)

Soft Key located on your Left.
Used for Entering Menu Mode from the Original Mode and also can be specific Activations on the Menu.

SOFT KEY (R)

Soft Key located on your Right.
Used for Entering Search Mode from Original Mode. Memory Address Search is available when number is displayed. Also can be used for specific activation.

SND

Used to male a call.

END

- Disconnection, Power On/Off
- Use for return from Menu or Search Mode to Original Mode.

Digit 0 ~ 9

- Used to input number or character display.
- Used for selecting Items in Menu and Search Mode.
- Used for installing special Symbols.

Digit * ◀

- Used for moving the cursor to the left.
- Used to input *

Digit # ▶

- Used for moving the cursor to the right.
- Used to input # .

Side DN / Side UP

- Adjust Volume.
- Used for scrolling the line vertically.

Multi Key UP/DOWN

- Used for entering Memory Searching Mode activity from Original Mode.
- Line scroll
- Input Pause

Multi Key (LEFT)

- Used to Access SMS box.

Multi Key (RIGHT)

- Used to delete characters or numbers on display screen

3. Icon description

The following pictures indicate the usage of Icons. 9 Icons are to be displayed totally.

3.1

⇨ Indicates your current signal strength

3.2

⇨ Shows the remaining Battery charged level. Divided into 5 stages, and if you are fully charged, the battery bar will be display like the picture above.

3.3

⇨ - Indicates that you are in No Service Area.
- If you remain in this area over 5 minutes, the phone will change th Battery Save Mode in order to prevent useless battery lose.

3.4

⇨ Tells you are in Phone Call

3.5

⇨ Shows that you are in Roaming Area

3.6

⇨ Shows that you have set the Alarm.

3.7

⇨ Tells that you have received a Text Message If the message is confirmed, icon disappears.

3.8

⇨ Tells that you have received a Voice Mail. Disappears when user erase the Voice Mail.

3.9

⇨ Indicates that the phone is in Vibration Mode or Etiquette Mode instead of Bell Mode.

3.a

⇨ Indicates the phone is in CDMA Mode. Disappears when Analog Mode is performed.

4. Menu Structure

This Table shows various stages of functions displayed on screen for each key function.

4.1 MAIN MENU

Step	Step	Step	Step	Step
PF1 Key	1. SET SOUND	1. SET VOLUME	1. Ring	0 ~ 4
			2. Key	0 ~ 4
			3. Earpiece	1 ~ 4
		2. RING TYPE		Bell Vibrator Lamp
		3. BELL		Ring Tone : 1~ 5 Melody Tone:6 ~ 9
		4. MIC. GAIN		1 ~ 4
	2. ALERTS	1. Call CONNECT		Off On
		2. Call DROP		Off On
		3. MINUTE		Off On
		4. SRV Change		Off On
		5. ROAMING		Off On
	3. SYSTEM	1. FORCE MODE	***List change necessary when Roaming On***	CDMA Pref CDMA Only Analog Pref Analog Only
		2. SELECT	***List change necessary when Roaming On***	A Only A Then B B Only B Then A Home Only Standard
		3. AUTO NAM		Off On
		4. USER NAM	***List change necessary when Roaming On***	NAM #1 NAM #2 NAM #3 NAM #4
		5. VOICE SO	***Up-date on Mass Production Version.***	EVRC 8K 13K
		6. DATA / FAX		Off Data Fax

PF1 Key	4. DISPLAY	1. BACKLIGHT		Always off 10 seconds 30 seconds Flip Open Always on
		2. GREETING		
		3. CONTRAST		Contrast : 0 ~ 30
		4. FONT	***Up-date on Mass Production Version***	Small Large
		5. VERSION		
	5. TIME	1. CALL INFO.	1. Incoming Calls	No. Call Made & Talk Time
			2. Outgoing Calls	
			3. Last Call	
			4. Home Calls	
			5. Roam Calls	
			6. All Calls	
		2. WORLD		24 Cities
		3. USER		
	6. SECURITY	1. KEYPAD LOCK	***Up-date on Mass Production Version***	Off On
		2. SET LOCK		Off On Power Up Now
		3. NEW CODE		Change Password In 4 digits.
		4. RESTRICT	1. Incoming Call	Yes No
			2. Outgoing Call	Yes No
			3. Location Call	Yes No
		5. CLR MEMORY	1. Incoming Calls	Yes
			2. Outgoing Calls	
			3. Missed Calls	
			4. Memory	
		6. EMERGENCY		Input & Edit : 3
		7. SEND PIN		Never Prompt
		8. Reset PHONE		Yes

PF1 Key	7. FEATURES	1. Auto ANSWER		Off On
		2. SCHEDULER	1. Search	
			2. Set	
			3. Alarm	Off Every Day A Day
		3. KEY BEEP		Normal Long
		4. ENCRYPTION		Enhanced Standard
		5. LANGAUGE	***Up-date on Mass Production Version***	English Spanish

DEBUG MENU : Menu for developers. Should not be displayed to Users

PF1 Key	7 Key + 0 Key	1. Debug Screen	Screen changes to Debugging Screen	
		2. Test Calls	13K LoopBack 13K Markov 8K LoopBack 8K Markov	
		3. CDMA Only		
		4. Errors	20 Error List Display	
		5. Clr Errors		Yes
		7. Toggle QNC		
		8. Data Screen	Screen changes to Data Screen	

4.2 BOOK MENU

PF2 Key	1. Incoming Calls	Search Phone no. stored in Incoming Call Memory
	2. Outgoing Calls	Search Phone no. stored in Outgoing Call Memory
	3. Missed Calls	Search Phone no. stored in Missed Call Memory
	4. By Name	Search Phone no. stored in 01~99 Address
	#. Own Number	Confirm Own Number

4.3 CALL MENU

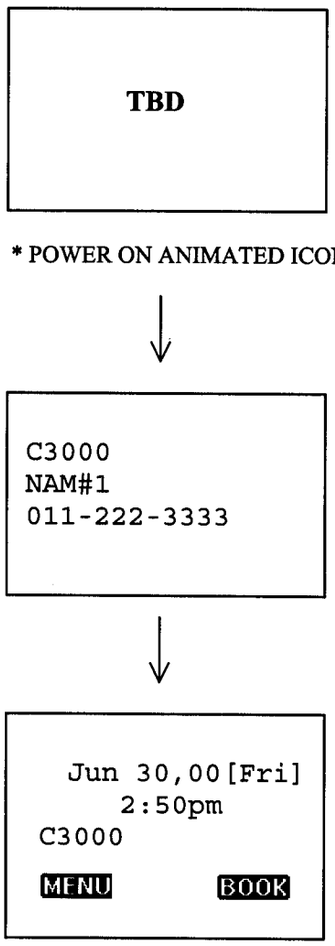
PF1 Key	**1. Scratchpad**	Store No. while making a Call. Key-Tone should not be heard to opponent. Store to Incoming Call Memory
	2. Mute	Install /Remove Transmission Tone MUTE
	3. Tx Number	Confirm Own No.while making a call.
	4. Mic Gain	Adjust Microphone Gain value while making a call

5. Basic Features

The following shows the basic features of C3000 while usage.
Describe Power On/Off, Adjust Volume in standby mode, Making a call, Store Phone numbers, Search Phonebook, Receive a call.

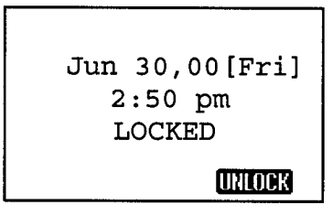
5.1 Power ON/OFF

- Power Turns On when Power Key is pressed about 2 seconds.
- When Power Turns On, Power On Animated Icon displays in Screen for 3 seconds
- Displays Banner, NAM Name, Phone Number for 1 seconds and returns to Original Mode



Description of Original Screen Mode

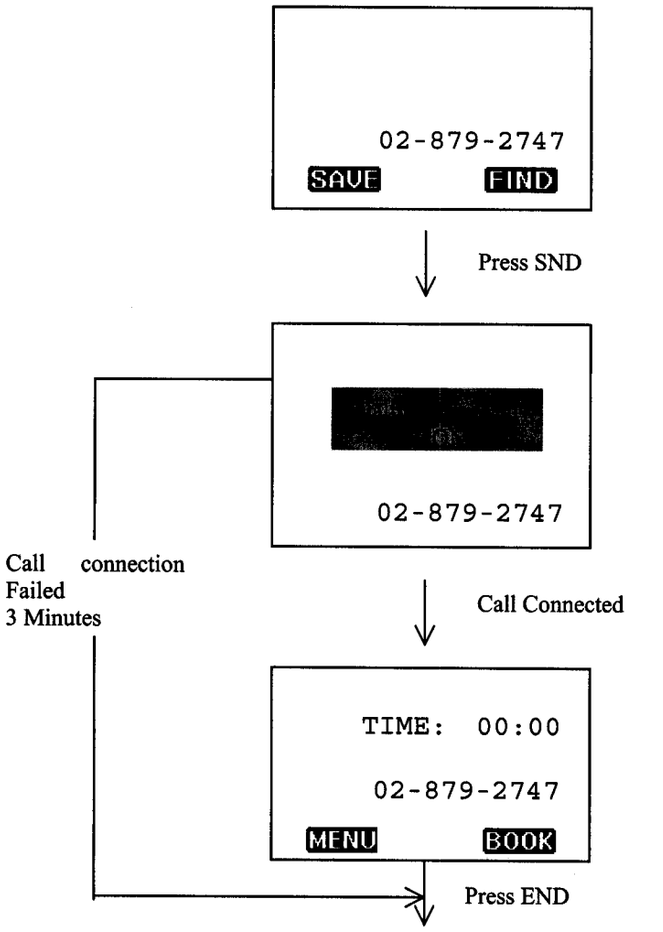
- In Original Screen CDMA icon is located in the end of right side in 16* 16 dots.
- CDMA Icon only displays in Original Screen Mode.
- The following picture displays only in Lock Mode of Original Screen Mode.



- Not possible to access Menu, Memory Address search and Store Phone NO. in Lock Mode.

5.2 To Make a Call

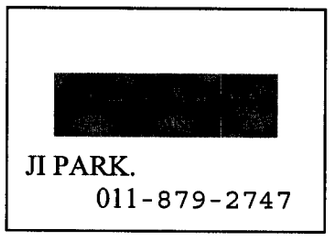
1. Input Phone No. you want to make a call. Maximum 32 digits of numbers can be input.
2. Press CLR Key to delete number from the latest input number.
3. Press SND to connect a call



Returns to Original Screen Mode

5.3 To Receive a Call

- Any-Key Answering is available.
- To receive a call, open the flip or press any key from the Key-pad or side keys.
- Shut the flip or press END to disconnect the call.



↓ Press any key from the Key-pad or side keys

Call Connected

- If user has selected Auto Answering Function, Phone will ring 3 times and the call will be connected automatically

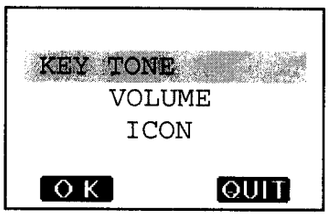
5.4 Volume Adjusting Mode

The following description explains the usage of functions to Adjust Ringer Volume, Key-Tone Volume, Transmission & Receiving Volume.

- Ringer volume, Key-Tone volume can be adjusted in 5 Levels (Level 0~Level 4)
- Transmission & Receiving volume can be adjusted in 4 Levels(Level 1~Level 4)
- If any action is not performed in Volume Adjusting Mode in between 3 seconds, selected volume level will be stored automatically and return to previews screen.

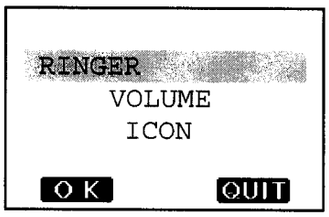
Adjusting Key-Tone Volume

1. Press any of dial keys and use Side UP/DOWN Key to select Key-tone Volume in Standby Mode(Original Mode). Volume Level Icon displays on the screen and Selected Level of Key-tone beeps.
2. Press PF1 Key. Store selected Volume Level, then the screen will return to Original Mode automatically



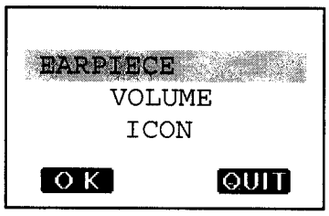
Adjusting Ringer Volume

1. Use Side UP/DOWN Key to select Ringer Volume in Standby Mode(Original Mode). Volume Level Icon displays on the screen.
2. Press PF1 Key. Store selected Volume Level, then the screen will return to Original Mode automatically



Adjusting Transmission & Receiving Volume

1. While talking, Press SIDE UP/DOWN Key in order to select Transmission & Receiving Volume as your preference. Volume Level Icon displays on the screen and Selected Level of Volume will get to you.
2 Press PF1 Key. Store selected Volume Level, then the screen will return to Original Mode automatically



5.5 To Store Phone Numbers

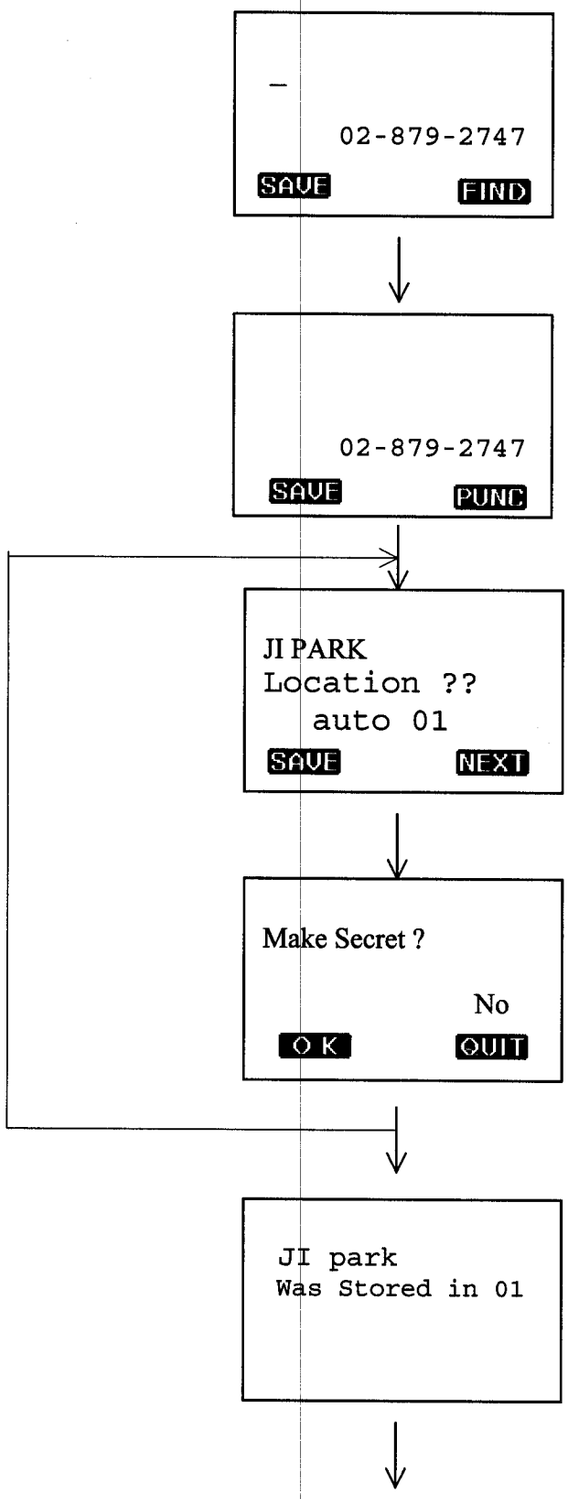
1. Input Phone Number and Press PF1. Maximum 32 Digits can be displayed and stored.
   For compilation, Press CLR to delete from the latest input characters or numbers.
   To Input PAUSE, use UP / DOWN Key. UP Key is for HARD PAUSE and DOWN Key to store TIME PAUSE.

2. Input Name and Press PF1 Key. Maximum 16 characters can be stored.
   For editing, Press CLR to delete from the latest input characters or numbers.
   Use PF2 Key to use Special Symbols. Press PF 2 Key to display the Special Symbols in the screen.
   Use the dial key to select special symbol you need.

3. Input Memory Address and Press PF1 Key. Memory Address 01 ~ 99 are available for storage.
   User can use Automatic Search to select Memory Address as well as using the dial key.
   Press PF2 Key to look up for next vacant Memory Address and Press PF1 Key to store in it.
   For editing, Press CLR to delete the latest Memory Address.

4. If the stored Memory Address is to be kept in secret, Select Secret Mode and Press PF1. If user select Secret Mode, the number or any information on that Memory Address will not be displayed in numbers or letters but in SECRET sign.

5. ① It will displays which Memory Address you've stored the information for 1 second .
   ② It will display the total Memory Address which are already stored for 1 second.
   ③ Return to Original Mode automatically.



If Memory Address is already used
It will return to Memory Address
Storing Mode automatically

↓

```
-MEMORY STATUS-
   Used  01
   Empty 98
```

↓

Original Screen Mode

5.6 To Search Phone Number

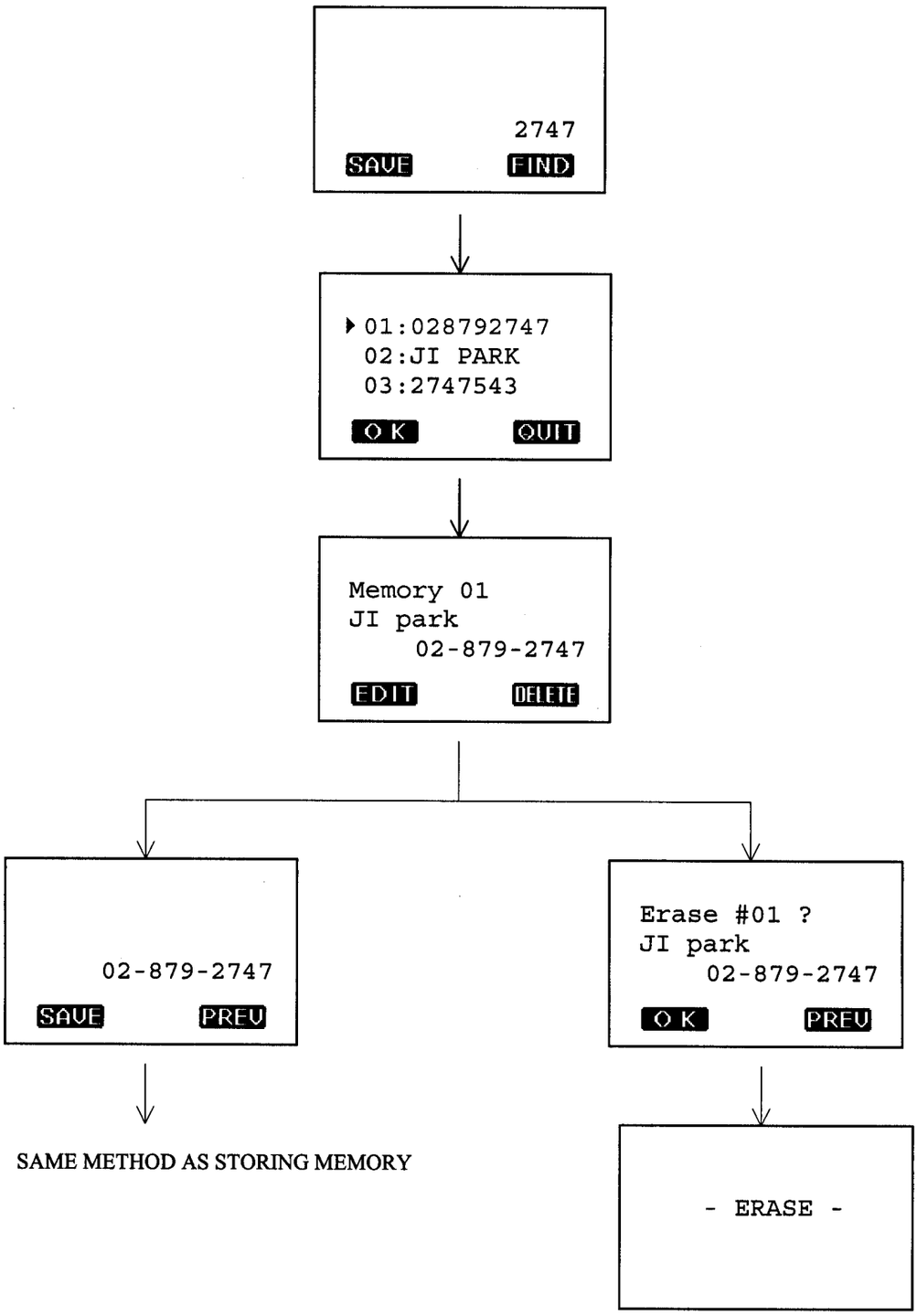
There are 4 ways to search phone numbers. Using ①Part of phone number, ②Using NAM, ③ Search Memory Address, ④Using Total Memory Search.

Search by using part of phone numbers

1. Input over 3 digits of phone numbers from you are looking for and Press PF2 Key.
   For editing, Press CLR to delete from the latest input characters or numbers.

2. For your convenience to Search, the list of total Memory Address will be displayed in the screen as Memory Address number, name, and telephone number. Full number can not be displayed because of the space of LCD, so if you want to see the full number of a specific Memory Address Use UP/DOWN Key to scroll to select the Memory Address you want and Press PF1 to Make a Call.

3. Memory Address, Name, and the numbers stored in Memory Address are displayed in the screen Press SEND to make a call. Press PF1 Key to enter Editing Mode. Press PF2 to delete the Memory Address displayed in the screen.


2747
SAVE
FIND
01:028792747
02:JI PARK
03:2747543
OK
QUIT
Memory 01
JI park
02-879-2747
EDIT
DELETE
02-879-2747
SAVE
PREV
Erase #01 ?
JI park
02-879-2747
OK
PREV
SAME METHOD AS STORING MEMORY
- ERASE -

6. TO SELECT FEATURES IN MAIN MENU

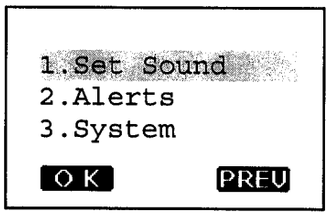
HWC-3000 presents 7 kinds of different Menu. The following descriptions explain the method of selecting each features

6.1 VOLUME CONTROL

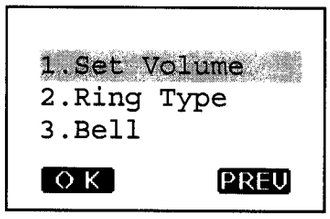
In this description, it explains how to select Key-Tone Volume, Ringer Volume, Transmission & Receiving Volume and adjust Microphone Gain in Menu. Key-Tone Volume, Ringer Volume are displayed in 5 levels including mute, and Transmission & Receiving Volume and Microphone Gain has 4 levels.

1. Adjust RING VOLUME

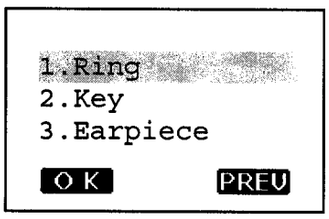
Following Menu will be displayed in the screen if you press PF1Key in Original Mode.



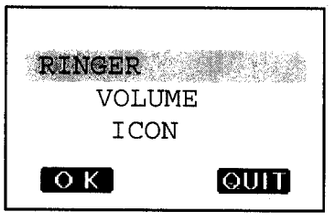
Following screen will be displayed if you select "1. Set Sound" by using UP / DOWN Key or Press dial key no.1
Press CLR or PF1 to return to the previews stage.



By using UP / DOWN Key, select "1. Set Volume" and Press PF1 Key. Or Press dial key no.1.
Press CLR or PF2 to return to the previews stage.



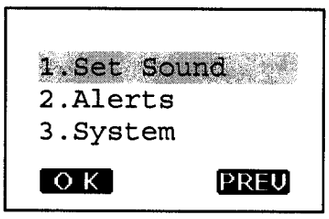
By using UP/DOWN Key, select "1. Ring"and press PF1 Key. Or Press dial key no.1.
Press PF2 to return to the previews stage.



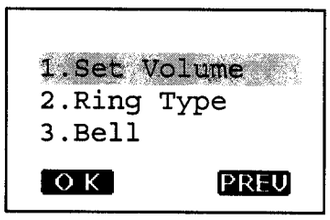
By using UP/DOWN Key, select Ring Volume level you need and press PF1 Key.
Selected Ring Volume will be stored and return to the previews stage automatically.
Press PF2 to return to the previews stage.

2. Adjust KEY TONE Volume

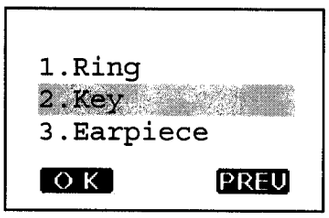
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



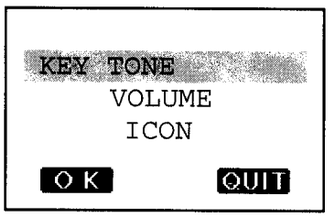
Select "1. Set Sound " by using UP/DOWN Key and press PF1 Key or press dial key no.1
Press CLR or PF1 Key to return to the previews stage.



Select "1. Set Volume" by using UP/DOWN Key and press PF1 Key or press dial key no.1
Press CLR or PF2 Key to return to the previews stage.



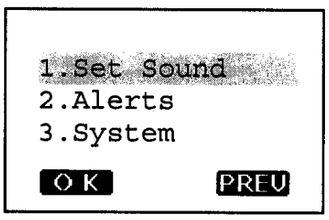
The following screen will be displayed if you select "2. Key" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1
Press CLR Key or PF2 Key to return to the previews stage.



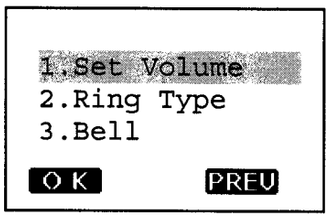
By using UP/DOWN Key, select Key Volume level you need and press PF1 Key.
Selected Key-Tone Volume will be stored and return to the previews stage automatically.
Press PF2 to return to the previews stage.

3. Adjust EARPIECE Volume

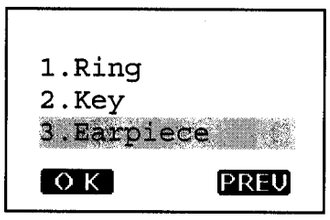
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



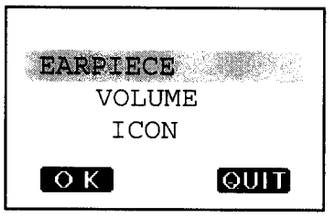
The following screen will be displayed if you select "1. Set Sound" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1
Press CLR Key or PF1 Key to return to the previews stage.



By using UP/DOWN Key, select "1. Set Volume" and press PF1 key. Or press dial key no.1.
Press CLR or PF2 Key to return to the previews stage



The following screen will be displayed if you select "3. Earpiece" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3
Press CLR Key or PF2 Key to return to the previews stage

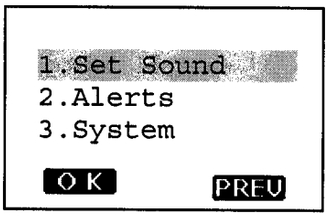


By using UP/DOWN Key, select Earpiece Volume level you need and press PF1 Key.
Selected Key-Tone Volume will be stored and return to the previews stage automatically.
Press PF2 to return to the previews stage.

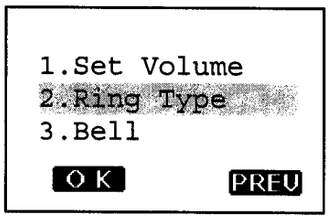
6.2 Select RING TYPE

The following description explains the Ring Type to give notice to the user when receiving an Incoming Call.
HWC-3000 presents you with 3 Ring Type such as Bell Only, Vibrator, Lamp Only..

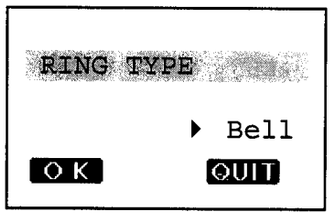
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode



The following screen will be displayed if you select "1. Set sound"by using UP / DOWN Key and press PF1 Key. Or press dial key no.1
Press CLR Key or PF1Key to return to the previews stage.



The following screen will be displayed if you select "2. Ring Type" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2
Press CLR Key or PF2Key to return to the previews stage.



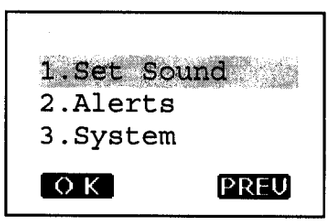
By using UP/DOWN Key, select Bell or Vibration or Lamp whichever you need and press PF1 Key.
Selected Ring Type will be stored and return to the previews stage automatically.
Press PF2 to return to the Original Mode.
If you have selected Vibration Type, Vibration will take place for 1 second. If you have chosen Bell Type, the selected Bell will ring for a short time.
If you have chosen the Lamp Mode, then the lamp should Turn on/off 3 times in a row.

Ring Type	Descriptions	P.P
Bell	Give notice to the user by ringing the Bell when receiving an Incoming Call. Rings until for 30 seconds until the user answers the call.	
Vibrator	Give notice to the user by vibration when receiving an Incoming Call. Vibrates until the user answers the call for 30 seconds in 2 seconds term.	
Lamp	Give Notice to the user by Lamp when receiving an Incoming Call. Repeats to turn on/off till the user answers the Incoming Call in 2 seconds term.	

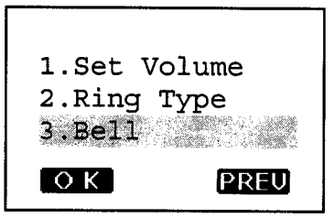
6.3 Select BELL TYPE

HWC-3000 presents you with 9 different Bell sounds. If Bell Only Mode is selected as a Ring Type, the selected bell will ring to give notice to users.
Bell sound contains 5 Signaling Sounds and 4 Melody Bells.

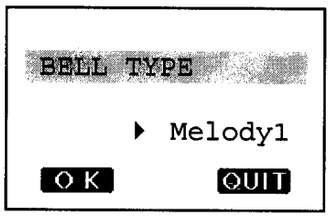
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode



The following screen will be displayed if you select "1. Set Sound" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF1 key to return to the previews stage.



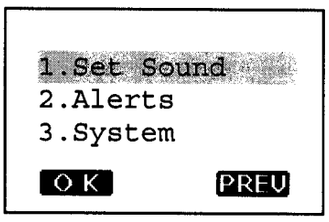
The following screen will be displayed if you select "3. Bell" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 key to return to the previews stage.



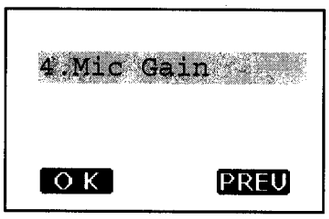
By using UP/DOWN Key, select Bell sound you need and press PF1 Key.
Selected Bell Sound will be stored and return to the previews stage automatically
Press CLR or PF2 Key to return to the Original Mode
Bell Sound should be rang when selecting Bell Sound.

6.3 Set up MICROPHONE GAIN

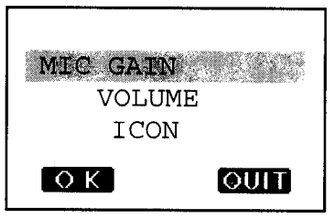
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode



The following screen will be displayed if you select "1. Set Sound by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF1 key to return to the previews stage.



The following screen will be displayed if you select "4. Mic Gain" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 key to return to the previews stage.



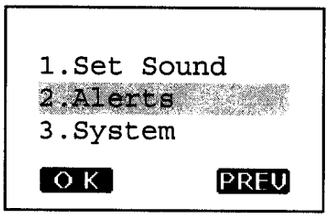
By using UP/DOWN Key, select Microphone Gain LEVEL you need and press PF1 Key.
Selected Microphone Gain LEVEL will be stored and return to the previews stage automatically.
Press PF2 Key to return to the Original Mode

6.4 Set up ALERTS

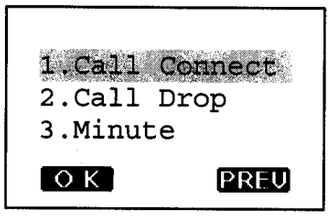
The following description explains how to set up Alert signals in C3000 model.

1. CALL CONNECT

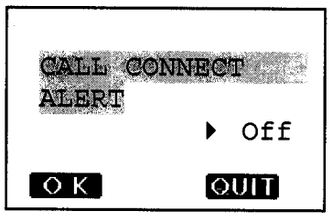
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following screen will be displayed if you select "2. Alerts" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF1 key to return to the previews stage.



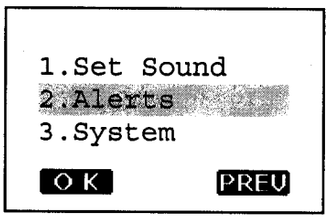
The following screen will be displayed if you select "1. Call Connect" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



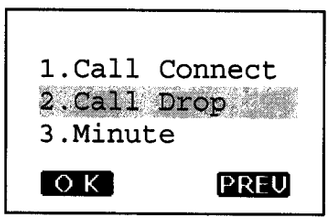
By using UP/DOWN Key, chose Off or On and press PF1 Key. Then the chosen value will be stored and return to the previews stage automatically.
If it is set up as On, Call Connect Alert will ring when making an Out-going Call..
Press PF2 Key to return to the Original Mode

2. CALL DROP

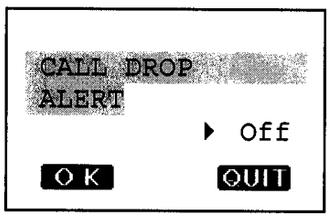
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "2. Alerts" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF1 Key to return to the previews stage



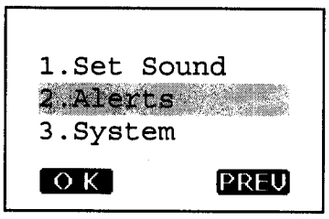
The following Menu screen will be displayed if you select "2. Call Drop" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage



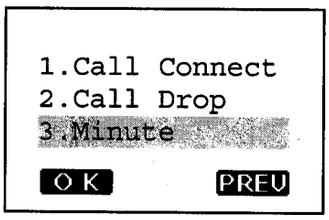
By using UP/DOWN Key, chose Off or On and press PF1 Key. Then the chosen value will be stored and the screen will return to the previews stage automatically.
If Call Drop Alert is turned On, Call Drop Alert signal will take place when call drop situation.
Press PF2 Key to return to the Original Mode

3. MINUTE

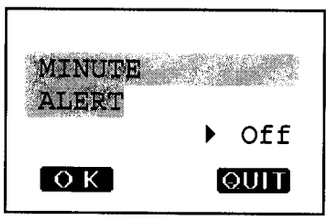
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "2. Alert" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF1 Key to return to the previews stage



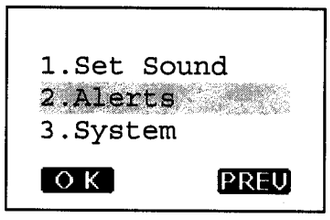
The following Menu screen will be displayed if you select "3. Minute" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage



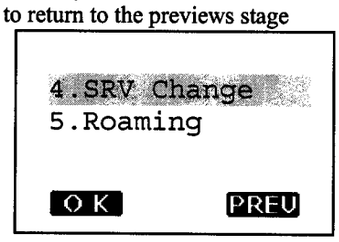
By using UP/DOWN Key, chose Off or On and press PF1 Key. Then the chosen value will be stored and the screen will return to the previews stage automatically.
If Minute Alert is turned On, Alert signal will beep in every 1 minute.
Press PF2 Key to return to the Original Mode

4. SRV CHANGE

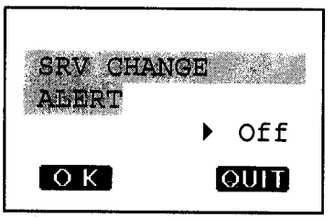
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "2. Alerts" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF1 Key to return to the previews stage



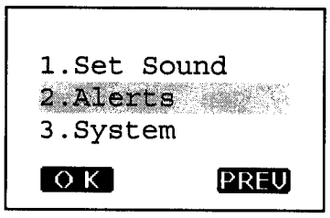
The following Menu screen will be displayed if you select "4. SRV Change" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage



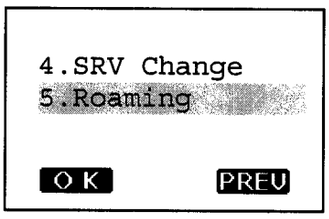
By using UP/DOWN Key, chose Off or On and press PF1 Key. Then the chosen value will be stored and the screen will return to the previews stage automatically.
If SRV CHANGE ALERT is turned on , SRV CHANGE ALERT signal will beep whenever the service condition changes.
Press PF2 Key to return to the Original Mode

5. ROAMING

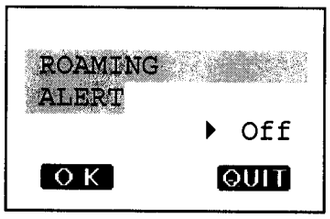
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "2. Alerts" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF1 Key to return to the previews stage



The following Menu screen will be displayed if you select "5. Roaming" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF2 Key to return to the previews stage



By using UP/DOWN Key, chose Off or On and press PF1 Key. Then the chosen value will be stored and the screen will return to the previews stage automatically.
If Roaming ALERT is turned on, Roaming ALERT signal will beep when you enter Roaming area.
Press PF2 Key to return to the Original Mode

Alert Signals	Descriptions	P.P
Call Connect	Alert signal beeps when receiving Connect Order from the network while Transmitting. Notices that the call has been connected.	
Call Drop	Alert signal beep when call drops	
Minute	Alert signal beeps every one minute when making a call	
SRV Change	Alert signal beeps when entering and exiting the Service Area	
Roaming	Alert signal beep when entering Roaming Area	

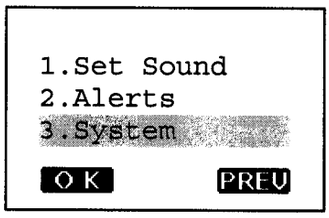
6.5 SYSTEM Set Up

The following description explains how to set up Menu related to System.

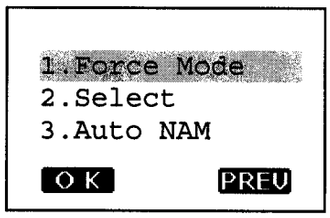
1. FORCE MODE

The Terminal decides the obtained System on the base of value which is set up in Force Mode.

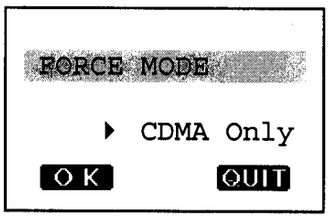
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "3. System" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "1. Force Mode" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



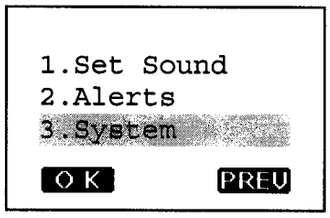
By using UP/DOWN Key, chose one from CDMA Only or CDMA Pref or Analog Only or Analog Pref, and press PF1 key. This leads to store the selection and returns to the previews stage automatically.
If the Mode changes, the terminal tries to obtain the changed Mode from the System.
Press PF2 Key to return to the Original Mode.

ITEM	Descriptions	P.P
CDMA Pref.	Originally the terminal tries to obtain CDMA System, but if it fails to receive the CDMA System in specific of time it tries to obtain Analog System. If it fails to receive Analog System as well, then the terminal tries to obtain in the order of CDMA to Analog until any of both System is obtained.	
CDMA Only	The Terminal only tries to obtain CDMA System.	
Analog Pref.	Originally the terminal tries to obtain Analog System, but if it fails to receive Analog System in specific of time it tries to obtain CDMA System. If it fails to receive CDMA System as well, then the terminal tries to obtain in the order of Analog to CDMA until any of both System is obtained.	
Analog Only	The Terminal only tries to obtain Analog System	

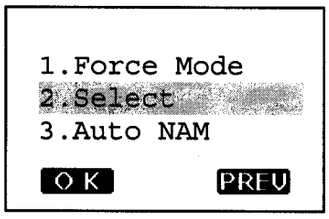
2. SELECT

According to the fixed value, Terminal searches the signal from the network which is under frequency band of fixed System.

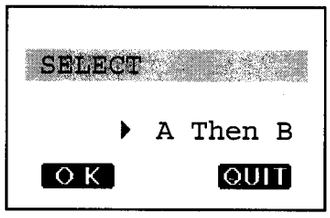
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "3. System" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "2. Select" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose one from A Only or A Then B or B Only or B Then A or Home Only or Standard, and press PF1 key. This leads to store the selection and returns to the previews stage automatically.
If the System changes, Terminal will try to obtain System from the changed System.
Press PF2 Key to return to the Original Mode.

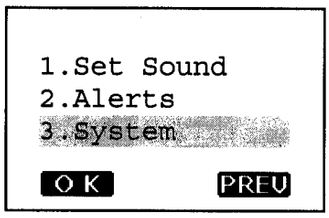
Allocated Frequency band for CDMA and Analog is totally 25MHz. These Frequency Band is divided into A Band and B Band. Each Band has been allocated quite a channel.

ITEM	Description	P.P
A Then B	First, Search signal by channel allocated in A Band and search for the signal of channel which is allocated in B Band.	
A Only	Signal can be searched only in channel allocated in A Band.	
B Then A	First, Search signal by channel allocated in B Band and search for the signal of channel which is allocated in A Band.	
B Only	Signal can be searched only in channel allocated in B Band.	
Home Only	Signal can be searched only in channel of Band based on Home. Depends on SID value to decide Home an A Band or B Band.	
Standard	Standard activates as same as A Then B or B Then A. But, A Then B or B Then A can be decided on the base of SID value.	

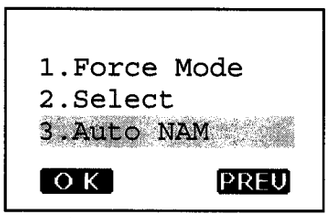
3. AUATO NAM

If Auto NAM is set , NAM change occurs to NAM supported by System.

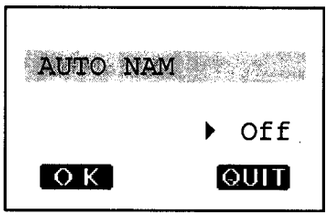
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "3. System" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "3. Auto NAM" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.

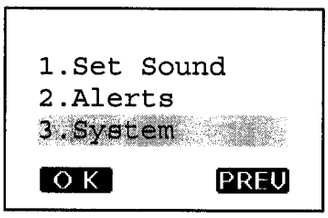


By using UP/DOWN Key, chose Off or On and press PF1 Key. Then the chosen value will be stored and the screen will return to the previews stage automatically.
Press PF2 Key to return to the Original Mode.

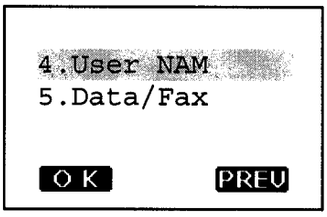
4. USER NAM

This is the Menu to chose NAM if user use Multi NAM.
If NAM changes, the System will be started from the system decision situation with the selected NAM.

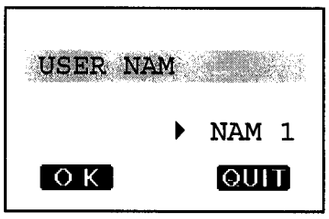
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "3. System" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "4. User NAM" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage.

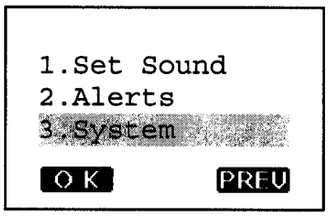


By using UP/DOWN Key, chose one from NAM1~NAM4 and press PF1 Key. Then the chosen NAM will be stored and the screen will return to the Original Mode automatically.
If NAM is changed, the terminal will try to obtain system according to selected NAM information.

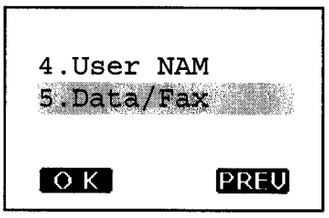
5. DATA / FAX

This is the Menu for setting RS232C communication Mode to Interface with PC.

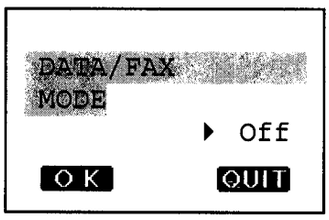
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "3. System" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "5. Data/Fax" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose one from Off or Data or Fax and press PF1 Key. Then the chosen NAM will be stored and the screen will return to the Original Mode automatically.
Press PF2 to return to the Original Mode

.

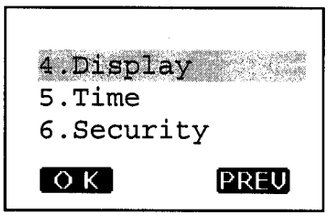
Communication Mode	Description	P.P
Off	Activates as a communication mode for DM communication.	
Data	Activates as Data Communication Mode.	
Fax	Activates as Fax Communication Mode	

6.5 Set up DISPLAY

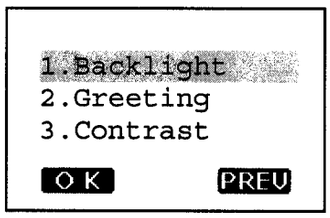
The following descriptions explain of Setting Backlight, Change Banner, Change LCD Contrast, Change Font, and how to confirm Software version.

1. BACKLIGHT

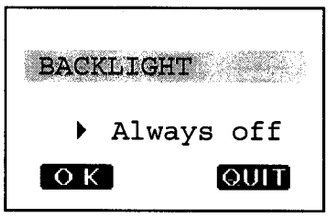
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "4. Display" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "1. Backlight" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



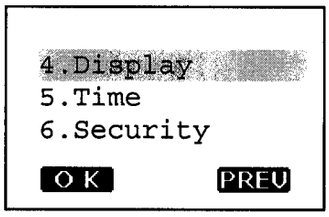
By using UP/DOWN Key, chose one from Always Off or 10 seconds or 30 seconds or On when Flip Open or Always On and press PF1 Key. Then the chosen value will be stored and the screen will return to the Original Mode automatically.

ITEM	Description	P.P
Always Off	Always Turned Off	
10 Second	Turns On when any key is pressed on	
30 Second	Turns on for 30 seconds when any of key is pressed on	
When Flip Open	Turn on only flip opens	
Always On	Always Turned On	

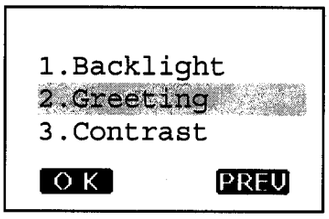
2. GREETING

The following description explains the method of Input and Change the Banner used in Mdel C3000
Maximum 16 characters can be input for Banner.

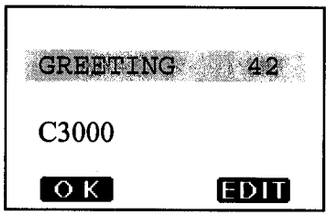
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



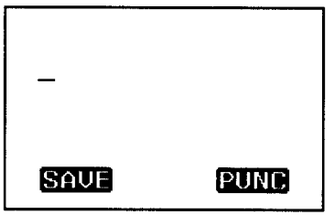
The following Menu screen will be displayed if you select "4. Display" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "2. Greeting" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage.



Press PF2 Key enter Banner editing Mode. Press PF1 Key to return to the Original Mode.

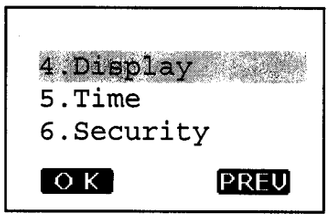


Input Banner by using Dial key and Press PF1 Key. The Banner you selected will be stored and return to the Original Mode.
Special Symbols can be input using PF2 key. Maximum 16 characters can be input in Banner.
Press CLR key to edit. It will delete from the last character you'd input.

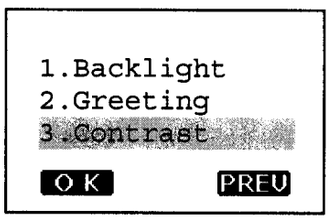
3. CONTRAST

The following description explains the Method of Adjusting Contrast. It can be adjusted in 31 stages.

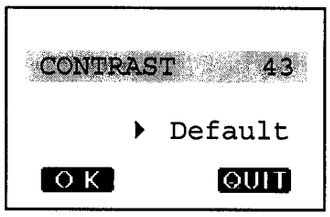
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "4. Display" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4
Press CLR Key or PF1 Key to return to the previews stage.



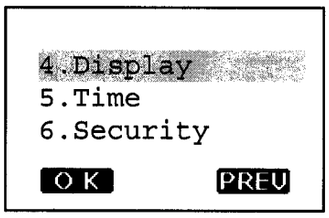
The following Menu screen will be displayed if you select "3. Contrast" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.



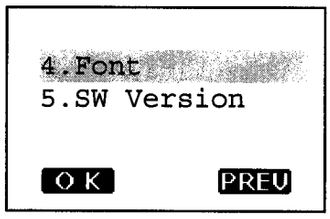
By using UP/DOWN Key, adjust the Contrast Level and press PF1 Key. Then the adjusted Contast Level will be stored and the screen will return to the Original Mode automatically.
Since the Contrast Level is selected, the chosen Contrast Level will be adapted.

4. FONT

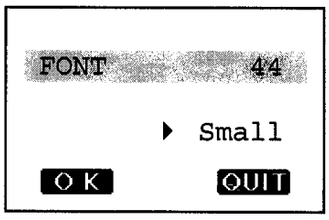
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "4. Display" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "4. Font" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose Small or Large Font and press PF1 Key. Then the chosen Font will be stored and the screen will return to the Original Mode automatically.

5. SW VERSION

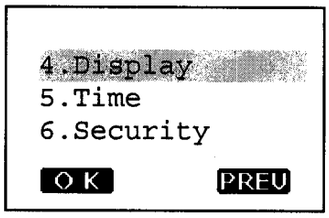
The following description explains the Method of Confirming Software version of C3000. In Version, Mobile Software Revision Number, Compile Directory Name, Boot Block Version can be confirmed.

Mobile Software Version is displayed in Test Line 2 and has a buffer size of maximum 8digits input

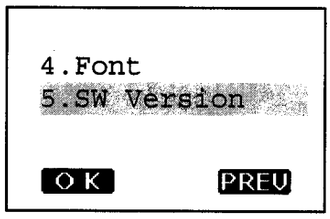
Compile Directory Number is displayed from the left of Text Line 3 and also has a buffer size of maximum 8 digits input.

Boot Block Version is displayed in from the 10th position of Text Line 3 and has a buffer size of maximum 4 digits input.

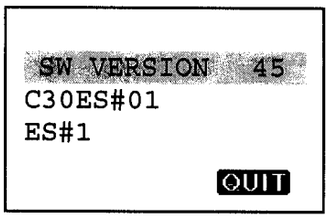
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "4. Display" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "5. SW Version" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF2 Key to return to the previews stage.



Press PF2 Key to return to the Original Mode.

6.6 Set TIME

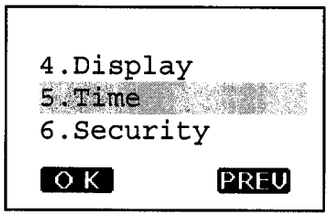
The following description shows the Method of confirming Talk Time, World Time and Set Real Time

1. CALL INFOo.

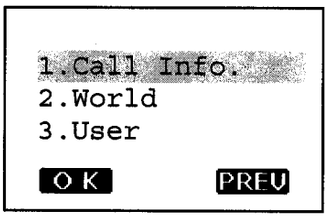
The following description explains the method of confirming Talk Time. In C3000, you can confirm Talk Times of all kinds of calls such as Incoming Call, Outgoing Call, Last Call, Home Call, Roam Call and All Call. All kinds of Talk Time information can be reset except All Calls and Last Call.

INCOMING CALL INFORMATION

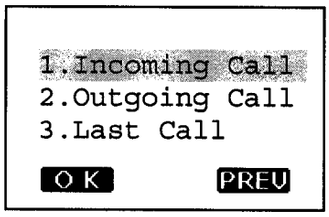
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "1. Call Info." by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



The following Menu screen will be displayed if you select "1. Incoming Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF2 Key to return to the previews stage.

```
INCOMING CALL
INFO   0   Calls
       0:00
O K          ZERO
```

Press PF2 Key to RESET Call Time. Press PF1 Key to return to the Original Mode.

```
INCOMING CALL
CLEAR ?
                Yes
O K          QUIT
```

If you press PF1 Key, it resets Incoming Call Memory region and returns to the Original Mode.
Press PF2 Key to return to the Original Mode.

OUTGOING CALL INFORMATION

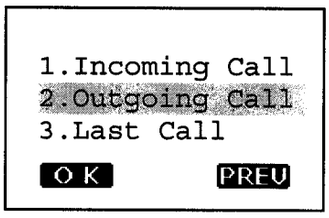
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.

```
4.Display
5.Time
6.Security
O K          PREV
```

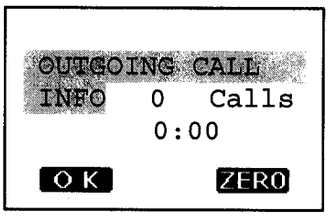
The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.

```
1.Call Info.
2.World
3.User
O K          PREV
```

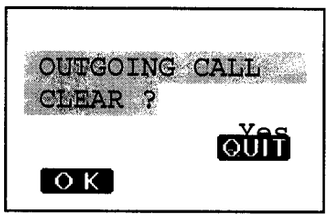
The following Menu screen will be displayed if you select "1.Call Info." by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



The following Menu screen will be displayed if you select "2. Outgoing Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage.



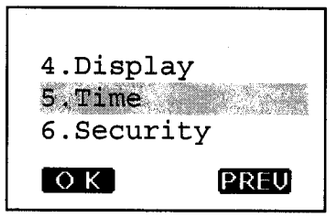
Press PF2 Key to RESET Call Time. Press PF1 Key to return to the Original Mode.



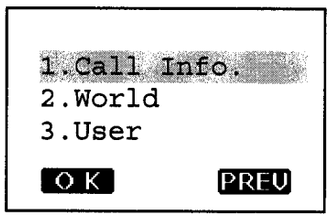
Press PF1 Key to RESET Outgoing Call Memory Region and Returns to the Original Mode.
Press PF2 Key to return to the Original Mode.

LAST CALL INFORMATION

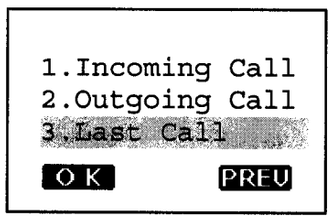
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



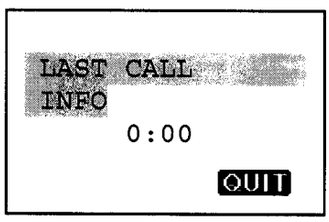
The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "1. Call Info." by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



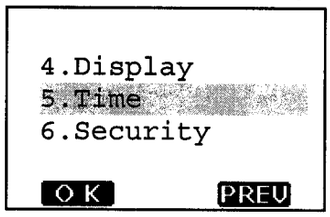
The following Menu screen will be displayed if you select "3. Last Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.



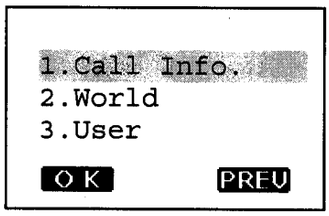
Press PF2 Key to return to the Original Mode.

HOME CALL INFORMATION

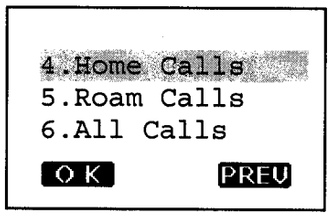
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



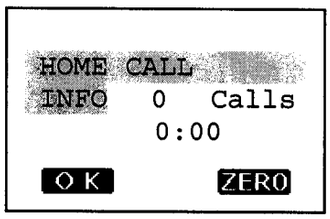
The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



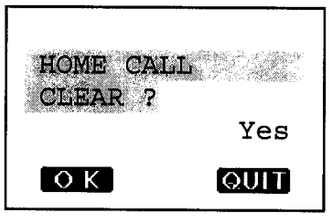
The following Menu screen will be displayed if you select "1. Call Info." by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



The following Menu screen will be displayed if you select "4. Home Calls" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage.



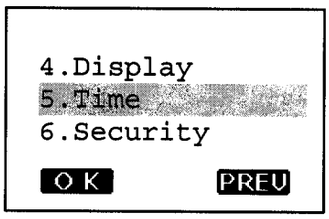
Press PF2 Key to RESET Call Time. Press PF1 Key to return to the Original Mode.



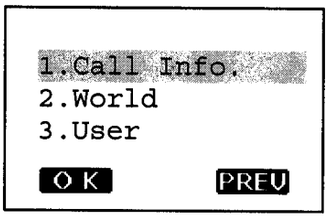
If you Press PF1 Key, it will RESET the Home Call Memory region and returns to the Original Mode.
Press PF2 Key to return to the Original Mode.

ROAM CALL INFORMATION

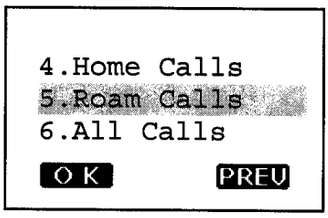
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



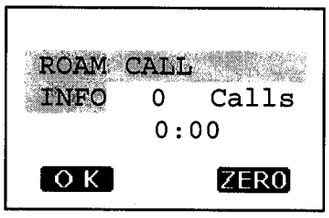
The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



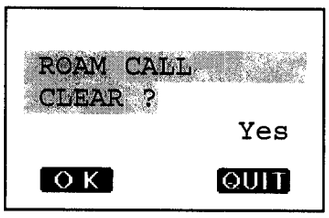
The following Menu screen will be displayed if you select "1. Call Info." by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



The following Menu screen will be displayed if you select "5. Roam Calls" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF2 Key to return to the previews stage.



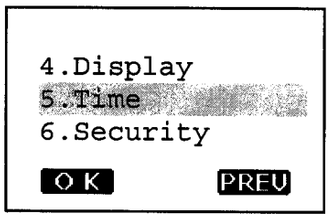
Press PF2 Key to RESET Call Time. Press PF1 Key to return to the Original Mode.



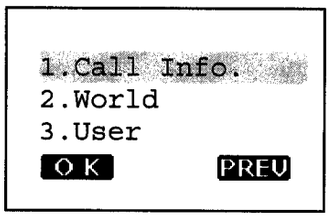
Press PF1 Key to RESET Roam Call Memory Region and returns to the Original Mode.
Press PF2 Key to return to the Original Mode.

All CALL INFORMATION

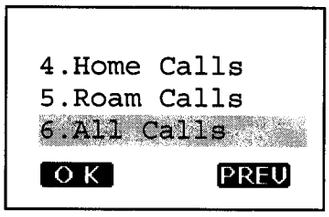
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



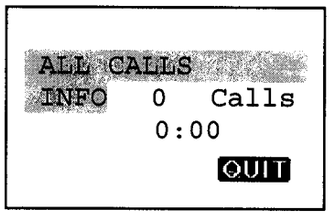
The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "1. Call Info." by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



The following Menu screen will be displayed if you select "6. All Calls" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF2 Key to return to the previews stage.

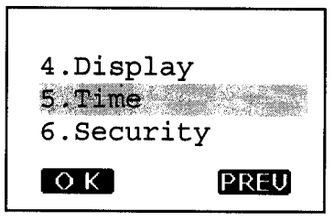


Press PF2 Key to return to the Original Mode.

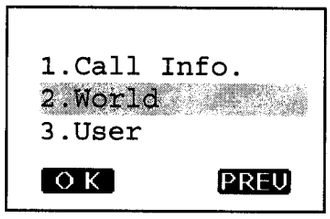
2. WORLD

The following description explains the method of confirming International Time of 24 different Cities of all over the world in base of GPS Time.

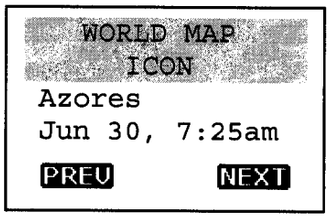
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "5. Time" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "2. World" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage.

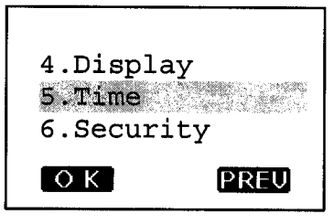


If you press PF2 key, the next city's time will be displayed and If you press PF1 key, the previews city's time will be displayed.
Press CLR to return to the previews stage.

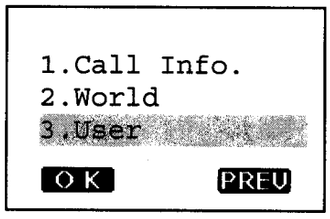
4. USER

The following description explains about Setting Current Time. This function cannot be used in Analog Mode for Analog Mode cannot receive any Time Information from GPS. Therefore Information on Time should be based on User's Input Time.

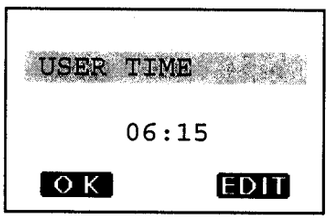
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



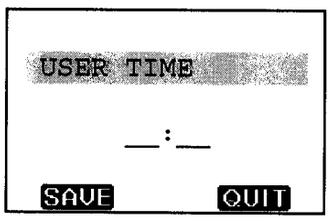
The following Menu screen will be displayed if you select "5. Display" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5.
Press CLR Key or PF1 Key to return to the previews stage.



The following Menu screen will be displayed if you select "3. User" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3
If there is no set User Time, it moves to editing Mode immediately. If there is set User Time, the following screen will be displayed.
Press CLR Key or PF2 key to return to the previews stage.



Press PF1 Key to return to the Original Mode. Press PF2 Key to enter USER TIME EDIT.



Input Current Time and Press PF1 Key. Current time will be stored and return to the Original Mode.
Press PF2 Key to return to the Original Mode.
Input Hours : 00~ 24 , Input Minutes : 00 ~ 59.

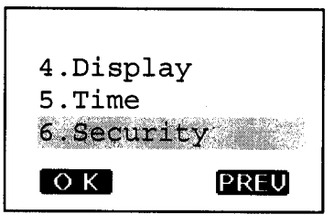
6.7 Set SECURITY

The following description explains the Method of inputting Password(lock code) alteration, Lock Mode, Restrictions , Delete Memory, Emergency Call, Send PIN, Reset Phone.

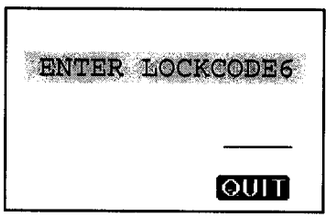
1. LOCK MODE

Description below explains the method of setting Lock Mode. If Lock Mode is set, there are some restrictions on Setting Menu, Search Memory and making an Outgoing Call. Only Emergency Call is available when Lock Mode is set.

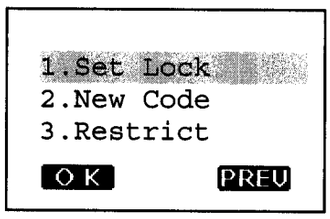
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



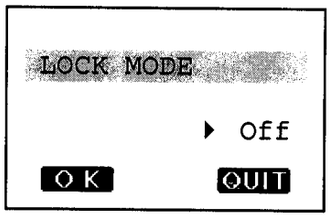
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage.



Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved,the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with the ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



The following Menu screen will be displayed if you select "1. Set Lock" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.

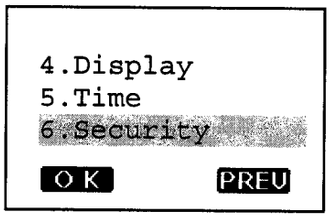


By using UP/DOWN Key, chose one from Off or Power Up or New and press PF1 Key. Then the chosen value will be stored and the screen will return to the Original Mode automatically.
Press PF2 Key to return to the Original Mode.

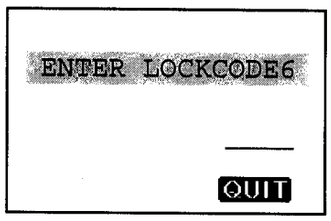
2. NEW CODE

Input New 4 digit LOCK CODE.

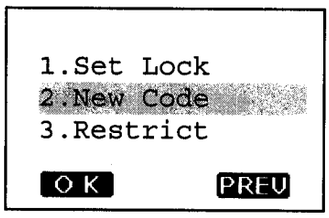
The following Menu will be displayed in the screen if you press PF1 Key on Original Mode.



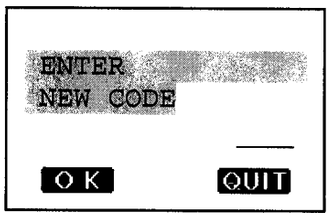
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage.



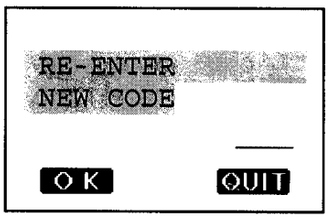
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



The following Menu screen will be displayed if you select "2. New Code" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF1 Key to return to the previews stage.



Input New Code in 4 digits of numbers by using the dial key and press PF1. RE-ENTER Mode appears.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Mode.



Input New Code once again. If the inputted New Code approved to be as same as the above, the New Code will be stored and return to the Original Mode. If not, Alert signal will beep and returns to the previews stage ENTER NEW CODE.

3. RESTRICT

The following description explains how to restrict Outgoing Call, Incoming Call and Memory.

INCOMING CALL RESTRICT

Description below explains the method of restricting Incoming Call. Incoming Call will be restricted if this Menu is switched On.

The following Menu screen will be displayed if you press PF1 Key on Original Mode.

```
4.Display
5.Time
6.Security

O K          PREV
```

The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage.

```
ENTER LOCKCODE6

_____

QUIT
```

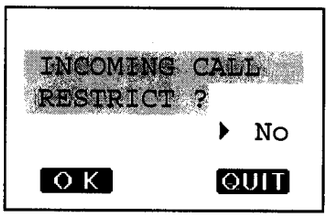
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.

```
1.Set Lock
2.New Code
3.Restrict

O K          PREV
```

The following Menu screen will be displayed if you select "3. Restrict" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.

```
1.Incoming Call
2.Outgoing Call
3.Location Call

O K          PREV
```

The following Menu screen will be displayed if you select "1. Incoming Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.

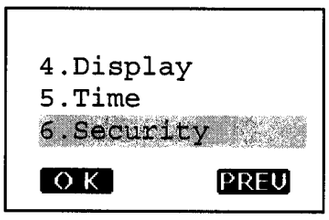


By using UP/DOWN Key, chose one from Yes or No and press PF1 Key. Then the chosen value will be stored and the screen will return to the Original Mode automatically.
Press PF2 Key to return to the Original Mode.

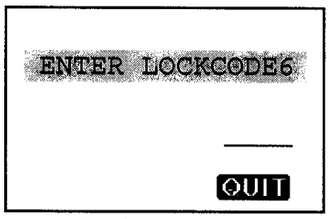
OUTGOING CALL RESTRICT

The following description is about Outgoing Call Restriction. Outgoing Call will be restricted if this Menu is switched On.

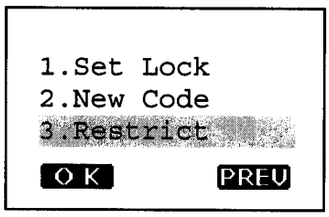
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



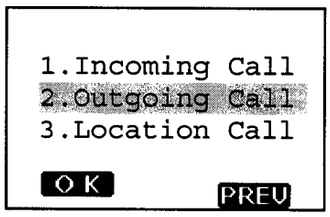
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage.



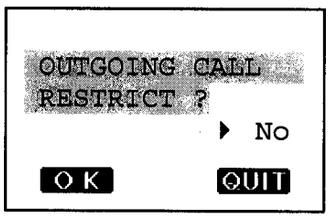
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



The following Menu screen will be displayed if you select "3.Restrict" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.



Outgoing Call Restrict Setting Menu will be displayed if you select "2. Outgoing Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose one from Yes or No and press PF1 Key. Then the chosen value will be stored and the screen will return to the Original Mode automatically.
Press PF2 Key to return to the Original Mode.

LOCATION CALL RESTRICT

The following description is about Outgoing Call Restriction. Outgoing Call will be restricted if this Menu is switched On.

The following Menu screen will be displayed if you press PF1 Key on Original Mode.

```
4.Display
5.Time
6.Security

OK          PREV
```

The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage

```
ENTER LOCKCODE6

_____

QUIT
```

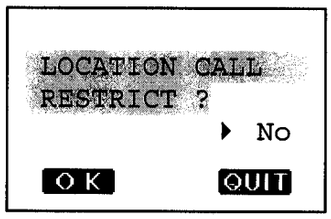
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.

```
1.Set Lock
2.New Code
3.Restrict

OK          PREV
```

The following Menu screen will be displayed if you select "3.Restrict" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.

```
1.Incoming Call
2.Outgoing Call
3.Location Call

OK          PREV
```

Location Call Restrict Setting Menu will be displayed if you select "3. Memory Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose one from Yes or No and press PF1 Key. Then the chosen value will be stored and the screen will return to the Original Mode automatically.
Press PF2 Key to return to the Original Mode.

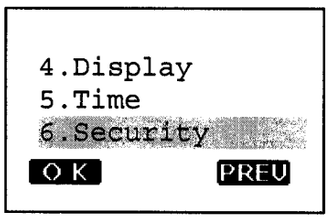
4. CLR MEMORY

The following description explains the Method of deleting Memorized Phone Numbers such as Delete Incoming Call Memory, Delete Outgoing Call Memory, Delete Missed Call Memory and Delete Memory Address(Location) 01~99.

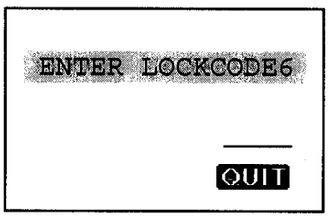
Clear INCOMING CALL MEMORY

The following description explains the way of deleting Incoming Memory Call. In this Menu, if you select YES then the information stored in Incoming Call Memory will be deleted.

The following Menu screen will be displayed if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage



Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.

```
4.CLR Memory
5.Emergency#
6.Send PIN
O K        PREV
```

The following Menu screen will be displayed if you select "4. CLR Memory" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage

```
1.Incoming Call
2.Outgoing Call
3.Missed Call
O K        PREV
```

Incoming Call Memory Clear Setting screen will be displayed if you select "1. Incoming Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage

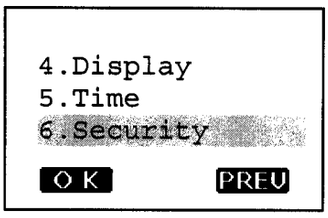
```
INCOMING CALL
CLEAR ?
                Yes
O K        QUIT
```

Press PF1 Key to return to the Original Mode after storing Incoming Call Memory Clear.
Press PF2 Key to return to the Original Mode.

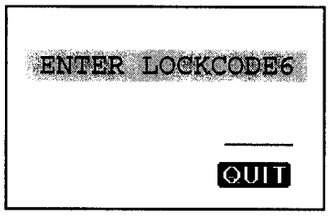
Clear OUTGOING CALL MEMORY

The following description explains the way of deleting Outgoing Call Memory. In this Menu, if you select YES then the information stored in Outgoing Call Memory will be deleted.

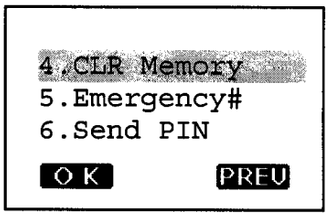
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



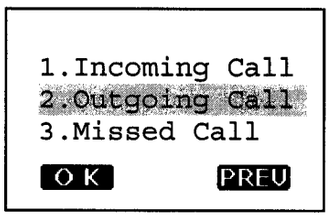
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage



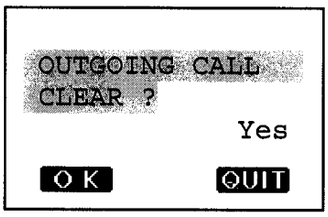
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



The following Menu screen will be displayed if you select "4. CLR Memory" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage



The following Menu screen will be displayed if you select "2. Outgoing Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage

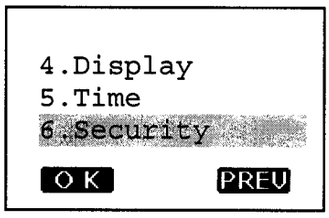


Press PF1 Key to return to the Original Mode after storing Outgoing Call Memory Clear.
Press PF2 Key to return to the Original Mode.

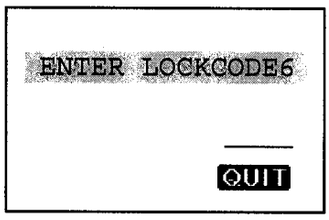
Clear MISSED CALL MEMORY

The following description explains the way of deleting Missed Call Memory. In this Menu, if you select YES then the information stored in Missed Call Memory will be deleted.

The following Menu screen will be displayed if you press PF1 Key on Original Mode.



The following Menu screen will be displayed if you select "6.Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage



Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.

```
4.CLR Memory
5.Emergency#
6.Send PIN
O K          PREV
```

The following Menu screen will be displayed if you select "4. CLR Memory" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage

```
1.Incoming Call
2.Outgoing Call
3.Missed Call
O K          PREV
```

The following Menu screen will be displayed if you select "3. Missed Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage

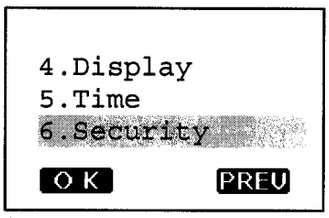
```
MISSED CALL
CLEAR ?
                Yes
O K          QUIT
```

Press PF1 Key to return to the Original Mode after storing Missed Call Memory Clear.
Press PF2 Key to return to the Original Mode.

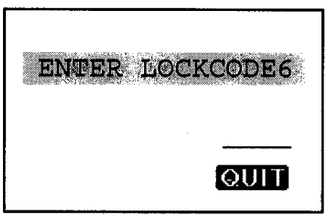
Clear LOCATION 01 ~ 99

The following description explains the way of deleting the whole information which is memorized in 01~99 Memory Address. In this Menu, if you select YES then the information stored in 01~99 Memory Address will be deleted.

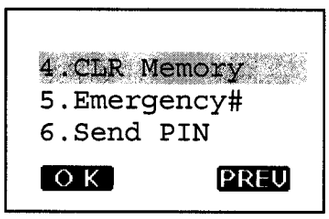
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



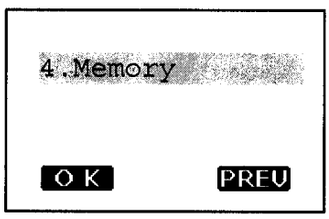
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage



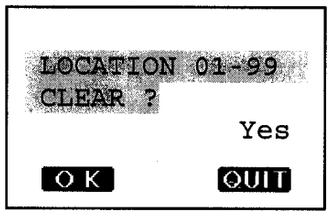
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



The following Menu screen will be displayed if you select "4. CLR Memory" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage



The screen of Inputting 01~99 Memory Address Clear screen will be displayed if you select "4. Memory" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage

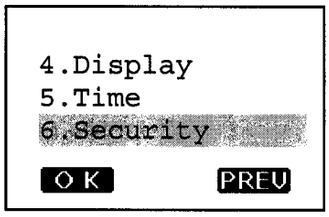


Press PF1 Key to return to the Original Mode after storing 01~99 Memory Address Clear.
Press PF2 Key to return to the Original Mode.

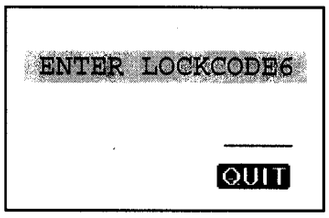
5. EMERGENCY

The following description shows how to input and edit Emergency Phone number. Maximum 3 Emergency Phone Number can be stored. Each of them can be stored in maximum 32 digits.

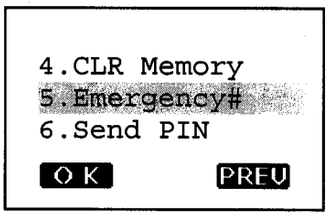
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



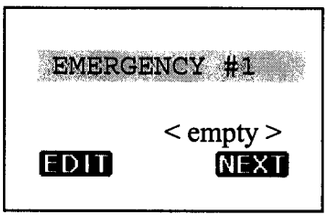
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage



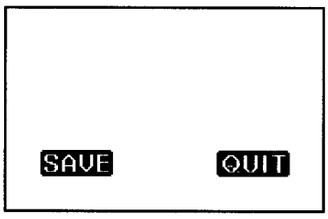
Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



The following Menu screen will be displayed if you select "5. Emergency#" by using UP / DOWN Key and press PF1 Key. Or press dial key no.5. If the inputted Emergency Number already exists in the Memory, then Emergency Phone Number will be displayed. If not, the screen will display <empty> as the following screen below.
Press CLR Key or PF2 Key to return to the previews stage



Press PF2 Key to search information in EMERGENCY #1 ~ #3. Pres PF1 Key to stay in the EDITING Mode of number which is being displayed in the screen.
Press CLR to return to the previews stage.



By using dial key, input Emergency Phone Number and Press PF1 Key to store the inputted Emergency Number. It will move to the previews stage then. Press PF2 to return to the Original Mode.
Press CLR Key to delete latest stored Phone Number.

6. SEND PIN

The following description explains the way to send PIN number. If it is set Off in this Menu, then PIN will not be transmitted. If it is set as Prompt, the PIN number inputting screen will appear while making a call.

The following Menu screen will be displayed if you press PF1 Key on Original Mode.

```
4.Display
5.Time
6.Security
OK          PREV
```

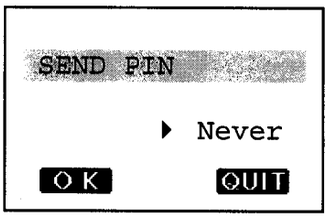
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage

```
ENTER LOCKCODE6

QUIT
```

Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.

```
4.CLR Memory
5.Emergency#
6.Send PIN
OK          PREV
```

SEND PIN setting screen will be displayed if you select "6. Send PIN" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF2 Key to return to the previews stage

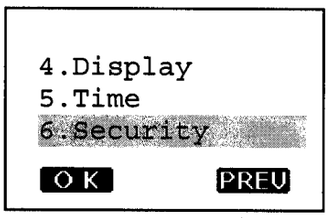


By using UP/DOWN Key, chose one from NEVER or PROMPT and Press PF1 Key to store the inputted SEND PIN value. It will move to the Original Mode.
Press PF2 to return to the Original Mode.

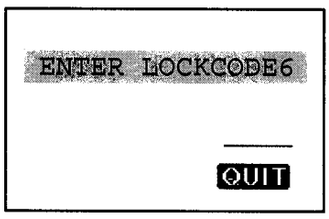
7. RESET PHONE

The following description explains the way of setting the value which is set in the Menu to Default value. In this Menu, if you select YES, the existing value shall be set as Default Value.

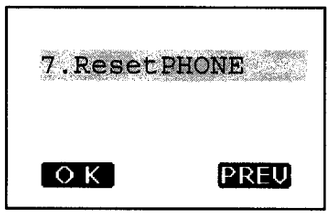
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



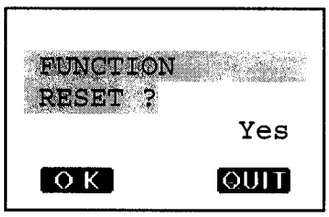
The following Menu screen will be displayed if you select "6. Security" by using UP / DOWN Key and press PF1 Key. Or press dial key no.6.
Press CLR Key or PF1 Key to return to the previews stage.



Input Password(lock code) in 4 digits of number using Dial Key. If the password is approved, the following SECURITY MENU will be displayed. If not, the screen will remain as same as the above display and Alert signal will beep with an ERROR Message.
For Amendment, press CLR to correct from the last number.
Press PF2 Key to return to the Original Menu.



PHONE RESET setting screen will be displayed if you select "7. Reset PHONE" by using UP / DOWN Key and press PF1 Key. Or press dial key no.7.
Press CLR Key or PF2 Key to return to the previews stage



Press PF1 Key to store the Memory in default value and activates RESET.
Press PF2 Key to return to the Original Mode.

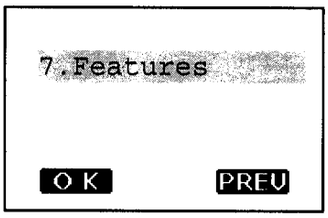
6.8 Set FEATURES

The following description explains the Method of setting Auto Answer, Schedule, Key Beep Length and Encryption.

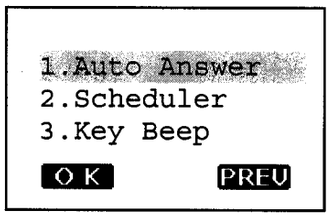
1. Auto Answer

Description below is an explanation of Auto Answer Setting. If Auto Answer Mode is On, Call will be connected automatically after 3 times of Bell ringing.

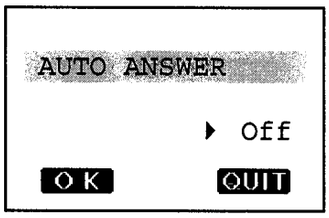
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



SUB MENU screen will be displayed if you select "7. Features" by using UP / DOWN Key and press PF1 Key. Or press dial key no.7.
Press CLR Key or PF1 Key to return to the previews stage.



AUTO ANSWER setting screen will be displayed if you select "1. Auto Answer" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose OFF or ON and Press PF1 Key to store the inputted Auto Answer. It will move to the Original Mode.
Press PF2 to return to the Original Mode.

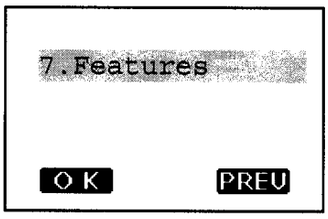
2. SCHEDULER

The following description explains the method of inputting and confirming Schedule. Detailed feature description shall be presented afterwards.

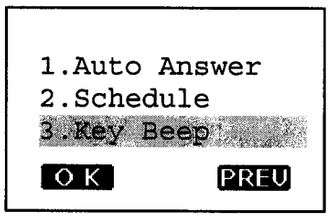
3. KEY BEEP

The following description explains the method of setting Key Beep Length which beeps while talking. If Key Beep Length is selected as Long, Key Tone will be heard to the opponent while pressing the key when Talking.

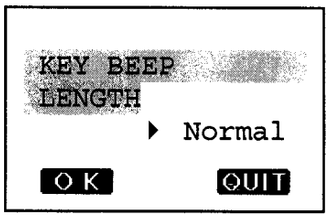
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



SUB MENU screen will be displayed if you select "7. Features" by using UP / DOWN Key and press PF1 Key. Or press dial key no.7.
Press CLR Key or PF1 Key to return to the previews stage.



KEY BEEP LENGTH setting screen will be displayed if you select "3. Key Beep" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage

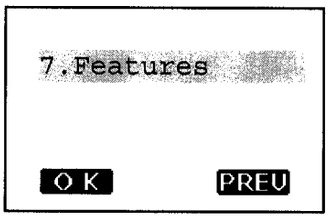


By using UP/DOWN Key, chose NORMAL or LONG and Press PF1 Key to store the inputted Key Length. It will move to the Original Mode.
Press PF2 to return to the Original Mode.

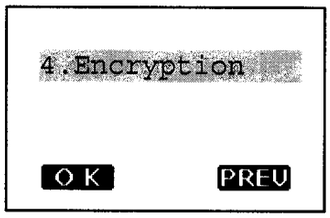
4. ENCRYPTION

The following description explains the setting method of Voice Privacy while in Traffic channel. If the menu is set as Enhanced, Voice Privacy is set while in Traffic Channel.

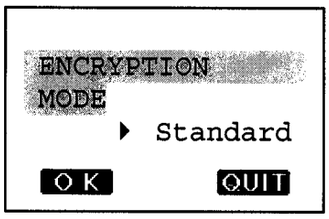
The following Menu screen will be displayed if you press PF1 Key on Original Mode.



SUB MENU screen will be displayed if you select "7. Features" by using UP / DOWN Key and press PF1 Key. Or press dial key no.7.
Press CLR Key or PF1 Key to return to the previews stage.



VOICE PRIVACY setting screen will be displayed if you select "4. Encryption" by using UP / DOWN Key and press PF1 Key. Or press dial key no.4.
Press CLR Key or PF2 Key to return to the previews stage.



By using UP/DOWN Key, chose STANDARD or ENHANCED and Press PF1 Key to store the inputted VOICE PRIVACY. It will move to the Original Mode.
Press PF2 to return to the Original Mode.

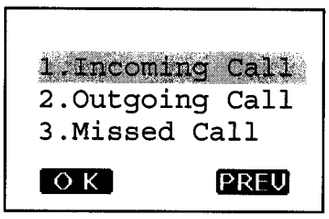
7. Descriptions for Searching Menu

The following description explains the method of searching Phone Numbers stored in the Memory such as Missed Call Memory, Incoming Call, Outgoing Call , Memory Address(01~99).

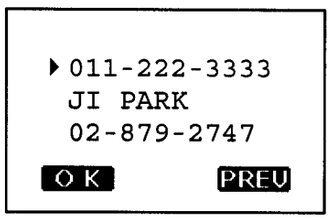
7.1 SEARCH INCOMING CALL MEMORY

The following description explains the method of searching memorized phone numbers in Incoming Call Memory. The Caller's ID when receipt an Incoming call or stored with Scratchpad while talking can be stored to Incoming Call Memory.
Incoming Call Memory has a capacity of storing 10 phone numbers and if all 10 of them are being used when you want to store one more, then the oldest phone number being stored will be deleted.

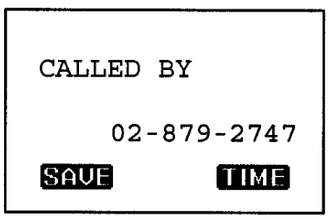
The following Book Menu screen will be displayed if you press PF2 Key on Original Mode.



Phone number list from Incoming Call Memory will be displayed if you select "1. Incoming Call Memory" by using UP / DOWN Key and press PF1 Key. Or press dial key no.1.
Press CLR Key or PF2 Key to return to the previews stage



By using UP/DOWN Key, chose one from Incoming Call List and Press SEND. The call will be connected.
Press PF1 Key to look for more detailed information of selected List.
Press PF2 to return to the previews stage.



Press PF1 key to go to Phone Memory Stage. Press SEND to make a call. Press PF2 Key to display the Time Information of Current number.

```
CALLED BY
 1:03P  06/30
 Call Time
                QUIT
```

Press PF2 Key to return to the previews stage.

7.2 SEARCH OUTGOING CALL MEMORY 검색

Search for 10 numbers which are most currently transmitted.

The following Book Menu screen will be displayed if you press PF2 Key on Original Mode.

```
1.Incoming Call
2.Outgoing Call
3.Missed Call
 OK            PREV
```

Phone number list from Outgoing Call Memory will be displayed if you select "2. Outgoing Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.2.
Press CLR Key or PF2 Key to return to the previews stage

```
▸011-222-3333
 JI PARK
 02-879-2747
 OK            PREV
```

By using UP/DOWN Key, chose one from Outgoing Call List and Press SEND. The call will be connected.
Press PF1 Key to look for more detailed information of selected List.
Press PF2 to return to the previews stage.

```
CALL TO

     02-879-2747
SAVE          TIME
```

Press PF1 key to go to Phone Memory Mode. Press SEND to make a call. Press PF2 Key to display the Time Information of Current number.

```
CALL TO
 1:03P  06/30
 Call Time
            QUIT
```

Press PF2 Key to return to the previews stage.

7.3 SEARCH MISSED CALL MEMROY

Searching Missed Call list.

The following Book Menu screen will be displayed if you press PF2 Key on Original Mode.

```
1.Incoming Call
2.Outgoing Call
3.Missed Call
O K          PREV
```

Phone number list from Missed Call Memory will be displayed if you select "3. Missed Call" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage

```
▸011-222-3333
 JI PARK
 02-879-2747
O K          PREV
```

By using UP/DOWN Key, chose one from Missed Call List and Press SEND. The call will be connected.
Press PF1 Key to look for more detailed information of selected List.
Press PF2 to return to the previews stage

```
MISSED

     02-879-2747

SAVE        TIME
```

Press PF1 key to go to Phone Memory Mode. Press SEND to make a call. Press PF2 Key to display the Time Information of Current number.

```
MISSED
 1:03P  06/30
 Call Time

            QUIT
```

Press PF2 Key to return to the previews stage.

7.4 Search Memory Address by NAME

The following description explains the method of searching Phone Numbers which are stored in Memory Address 01 ~99 by NAME.

The following Book Menu screen will be displayed if you press PF2 Key on Original Mode.

```
4.By NAME
#.Own Number

O K         PREV
```

Searching Name will be displayed if you select "4. By NAME" by using UP / DOWN Key and press PF1 Key. Or press dial key no.3.
Press CLR Key or PF2 Key to return to the previews stage

```
SEARCH FOR

_
FIND        PUNC
```

Input the name you are looking for by using dial key. Maximum 16 letters can be stored.
Press CLR Key to delete the latest inputted letter.
Cursor can be moved by using STAR or POUND Key.
If you press PF1 Key without any letter inputted, then the whole Memory can be searched. If you press PF1 Key with letters inputted, then the whole list of Memory Address List consensus to the name you've inputted displays.
Press PF2 Key to input special symbols.

```
▶01:JI PARK
 02:NK SUNG

EDIT        DELETE
```

By using UP/DOWN Key, chose one from the list and Press PF1. Information on that selected list will be displayed.
Press PF2 to delete the information of the Memory Address.

7.5 Confirm Own Number

The following description explains the method to confirm Own Number.

The following Book Menu screen will be displayed if you press PF2 Key on Original Mode.

```
4.By NAME
#.Own Number

OK          PREV
```

By using UP / DOWN key, select # and press PF1, or Press # to search for information of current NAM.
Press CLR Key or PF2 Key to return to the previews stage.

```
NAM INFORMATION
NAM #1
011-879-2747

            QUIT
```

Press PF2 Key to return to the previews stage.