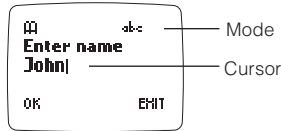




10. Clock

Keys

When you press the following keys repeatedly in the name entry mode, the displayed letter will change in accordance with the number of key presses:



ALPHANUMERIC KEYS

Key	Displayed letter by number of presses		
	Mode	ABC	abc 123
1		* + - / = < > % () £ ¥ ¤ §	1
2		A B C Ä Å Æ Ç Γ	a b c à á â æ ß 2
3		D E F Δ É Φ	d e f è é 3
4		G H I Θ	g h i i 4
5		J K L Ξ Λ	j k l 5
6		M N O Ñ Ò Ø	m n o ñ ò ö ø 6
7		P Q R S Π Σ	p q r s 7
8		T U V Ü	t u v ù ü 8
9		W X Y Z Ψ Ω	w x y z 9
0		(Space)	0
*		(Change the case)	-
#		# . , : ; / - _ @ & ? ¿ ! ;	-

KEY FUNCTION

* :	Toggles among upper case, lower case, and numerals. (On the top right of the screen, "ABC", "abc", and "123" are displayed, respectively.)
0 to 9, #:	Enters a letter behind it or numeral (for 0 to 9). During the process of entering a letter, one second after releasing it, the cursor will move to the right for the next letter entry.
^:	Shifts the cursor to the left.
~:	Shifts the cursor to the right.
CLEAR:	Clears the last letter. Pressing and holding clears it all letters.

Tip:

- A maximum of 30 letters (depending on the SIM) can be shown on the display.
- When you press the same key more than twice to select a letter, press the key within an interval of 1 second. Otherwise, the cursor will move to the right of your last entry. However, if you wait for 1 second, the cursor will move to the right and you will not need to press ~ to enter the next letter.





11. Audio Settings (MENU 6)

Within the Audio menu you can adjust the phone's tones.

Press **MENU** and select **Audio**, and press ↩.
See page 21 for general information on the menu functions.

Ringing Tone Selection (MENU 6-1)

You can select a ringing tone from several types. Also, you can select silent mode. (Set to "off")

NOTE:

- When you choose "Off", it becomes silent alert. Then an icon is displayed at the idle screen.

Ringing Volume Setting (MENU 6-2)

Select your desired volume level, and press ↩.
The new setting will be displayed.

Earpiece Volume Setting (MENU 6-3)

Select your desired volume level, and press ↩.
The new setting will be displayed.

Key Tone Volume Setting (MENU 6-4)

Select your desired volume level, and press ↩.
The new setting will be displayed.

Warning Tones Selection (MENU 6-5)

You can enable or disable the Warning tones.
You can select desired setting from **On** and **Off**.
The new setting will be displayed. To activate the Warning tones, select **On**.

DTMF Tones Selection (MENU 6-6)

You can enable or disable the DTMF tones.
You can select desired setting from **On** and **Off**.
The new setting will be displayed. To activate the DTMF tones, select **On**.

NOTE:

- Please refer to page 17.





11. Audio Settings

Vibrating Alert Setting (MENU 6-7)

If the optional vibrating battery is installed, you can switch the vibrating alert on/off. This sub-item is not displayed if the regular battery is installed.

If the vibrating alert is turned on then the alert for incoming calls works as follows:

- If no ring tone is selected or the volume is turned off, the phone will vibrate and pause in a continuous cycle.

Tip:

- When Vibrating alert is On, when the power is switched on, the phone vibrates.

Quiet Mode

Your phone's quiet mode is toggled on or off by pressing and holding down **CLEAR** at the standby mode. An icon is shown in the screen when quiet mode is enabled.

When switching to quiet mode the vibrator (if fitted) will give a short burst to indicate this. When exiting quiet mode the phone will emit a short beep.



When running in quiet mode all audio actions are silenced, except for DTMF tones and call progress tones when in call. If your phone has a vibration motor then this is used when alerting to incoming calls, temporarily overriding any audio/vibrator alert settings.





12. Settings (MENU 7)

You can select various settings to set up your phone in accordance with your preferences. To select settings, the menu operation is used.

Press **MENU** and select **Settings**, and press .
See page 18 for general information on the menu functions.

Phone Settings (MENU 7-1)

Display Language Selection (MENU 7-1-1)

Your phone is capable of displaying text in one of several languages.

Own Number Review/Edit (MENU 7-1-2)

You can store your own phone number for your later reference.

Greeting Message Display (MENU 7-1-3)

You can program a Greeting Message to be displayed upon power-up. Edit it or enter your new Greeting Message, or choose animation and press .

NOTE:

- *To restore the message to the original one in your phone, clear the current greeting message, and press .*

Backlight Adjustment (MENU 7-1-4)

You can adjust the backlight level of the display.
You can select desired setting from following and press .
Off, **1**, **2**, **3** and **Maximum**. The new setting will be displayed.

NOTE:

- *A brighter backlight will consume more power.*

Contrast Adjustment (MENU 7-1-5)

You can adjust the contrast of the display.
You can select desired setting from following and press .
1, **2** and **3**. The new setting will be displayed.

Menu Number Code System Selection (MENU 7-1-6)

You can select desired setting from **On** and **Off**.
The new setting will be displayed. To enable the system, select **On**.






12. Settings

Auto Shutdown Selection (MENU 7-1-7)


You can set your phone to automatically turn itself off 5 minutes after it enters standby mode.

You can select desired setting from following and press .

On and **Off**. The new setting will be displayed. To enable the feature, select **On**.

Call Settings (MENU 7-2)

Any Key Answering (MENU 7-2-1)

You can answer incoming calls by pressing any key except .

You can select desired setting from **On** and **Off**.

The new setting will be displayed. To enable the feature, select **On**.

Call Waiting (MENU 7-2-2)

During a call, your phone will advise you that a new call is waiting where such service is available. This is indicated by an alert tone and "waiting".

You can activate or cancel the Call Waiting function.

You can also check the current status.

Select **On**, **Off**, or **Status**, and press .





On: Select to enable this feature.

Off: Select to disable this feature.

Status: Select to review the current setting.

Call Waiting Feature

When a new incoming call is received during a call, you can respond to it as follows:

- To answer a new incoming call:
Press , or **MENU** and select **Multiparty/Hold answer**. (The first call will be put on hold.)
- To end the first call and answer a new incoming call:
Press **MENU**, select **End & next**, and press .
- To reject a new incoming call without answering it:
Press **MENU**, select **Multiparty/Reject**, and press .
- To notify a party that you are busy with another call:
Press **MENU**, select **Multiparty/I am busy**, then press .





International Roaming Service

If your service provider has International Roaming agreements with overseas network operators, you can enjoy International Roaming Service. For the details, please contact your service provider.

NOTE:

■ - During roaming, (⏏) indicator lights up.

Caller Number Status (MENU 7-2-3)

When your phone receives an incoming call, the phone number of the caller will be displayed where this feature is in service. In addition, if the phone number of the caller is stored in your Phone Book with the name, the caller's name will be displayed. You can check the current status of call line identification options. Select the following:
Select one of the following items, and press ↶.

- **Show caller no.** : Shows the phone number making the incoming call
- **Hide your no.** : Hide your phone number when dialling out
- **Show called no.** : Displays the number of the phone you are connected to on your screen, even if your call is diverted to another number
- **Hide if called** : This function overrides "show called number" and hides your phone number from any callers.



NOTE:

■ - When the service contents can not be changed, ask your network service provider.

Minute Minder (MENU 7-2-4)

Your phone will issue a tone every minute you are in an out-going call for your reference. You can disable or enable this feature. You can select desired setting from **On** and **Off**. The new setting will be displayed. To disable the feature, select **Off**.

NOTE:

■ - Minute Minder only operates while you are in a call.





12. Settings

Network Settings (MENU 7-3)



Network options (MENU 7-3-1)

Select the network to use.


Normally, you can use the service provider that the phone automatically receives, but you can also use this menu item to set the service provider you want yourself.

Automatic (MENU 7-3-1-1)

When there is no particular need for you to make the selection yourself, select this item.

- 1 Press .
- 2 The search screen is displayed for finding the service providers that your phone can currently receive.
- 3 When receiving is complete, "Done" is displayed.
- 4 Press .



NOTE:

 - If "Network list" is executed, it may become impossible to send or receive calls. In this case, execute "Automatic".



Manual (MENU 7-3-1-2)

If it is necessary for you to select the service provider yourself, select one of the service providers received by your phone.

- 1 Press .
- 2 The search screen is displayed for finding the service providers that your phone can currently receive.
- 3 After the search is completed, the network(s) that can be connected to will be displayed. Select the network of your choice with .




NOTE:

 - Your phone can not display "Add" when the list is full.



Changing your Network password (MENU 7-3-2)


You can change your 4-digit Password available from the network provider.

- 1 Press . "Network password" will be displayed.
- 2 Enter your current 4-digit Password and press . "New password" will be displayed.
- 3 Enter your new 4-digit Password and press . "Repeat new password" will be displayed.





12. Settings

- 4 Enter your new 4-digit Password again and press .
After a temporary display of “Working”, “Done” or “Please try again” will be displayed.

CAUTION

- Keep a record of your new Password in a safe place!

Selecting a mode (MENU 7-3-3)

See page 14.

Restoring to Original Settings (MENU 7-4)

This feature resets all settings made by you to the original settings (factory settings), including the Language display.
After restoring, the screen will return to the standby screen.





13. Security Settings



13. Security Settings (MENU 8)

Your phone is equipped with a versatile security system to prevent unauthorised use of the phone or the SIM card.

CAUTION

- **Once you change the password or lock code, keep a record of it in a safe place! Also, immediately after changing it, turn off your phone before leaving it anywhere.**

Press **MENU** and select **Security**, and press ↵.
Enter the **Handset lock code**, and ↵.
See page 18 for general information on the menu functions.

SIM Card Lock Settings (MENU 8-1)

To prevent fraudulent usage of your SIM card, you can select a PIN1 (Personal Identification Number 1) code to be entered each time your phone is powered up. Your PIN code is usually supplied when you receive your SIM card.

1 Select **SIM password**.

The current setting (**On** or **Off**) will be displayed.

2 Press ↵.

Then, **On**, **Off**, and **Change PIN** will be displayed.

- To enable SIM card lock:
 - 1) Select **On**, and press ↵. "**Enter PIN1**" will be displayed.
 - 2) Enter the PIN1 code, and press ↵.
"**PIN enabled**" will be displayed.
- To change the PIN1 code:
 - 1) Select **Change PIN**, and press ↵. "**Enter old PIN1**" will be displayed.
 - 2) Enter the current PIN1 code, and press ↵.
"**Enter new PIN1**" will be displayed.
 - 3) Enter new PIN1 code, and press ↵.
Then, the screen will ask you to enter the same code again. "**PIN changed**" will be displayed.
- To release SIM card lock:
 - 1) Select **Off**, and press ↵. "**Enter PIN1**" will be displayed.
 - 2) Enter the PIN1 code, and press ↵.
"**PIN disabled**" will be displayed.





NOTE:

- "Change PIN" does not appear when OFF is selected.

To unlock your SIM card at powering on

"Enter PIN1" will be displayed at powering on. Enter correct PIN1 code and press to unlock the SIM card.

NOTES:

- The key entry for the code will be displayed by the letter "x".
- If you enter the wrong code, "PIN state unchanged" will be displayed.
- You can still make emergency calls on the phone even if the SIM card is locked.

Handset Lock Settings (MENU 8-2)

To prevent fraudulent usage of your phone, you can lock your phone using the lock code. Once you lock your phone, you will need to unlock your phone each time it is powered up. You can change the lock code as required. The default handset lock code is 1234.

1 Select Handset lock.

2 Press . On, Off, and Change code will be displayed.

- To enable handset lock:
Select **On**, and press .
- To change the lock code:
 - 1) Select **Change code**, and press . "Enter old code" will be displayed.
 - 2) Enter the current lock code, and press . "Enter new code" will be displayed.
 - 3) Enter new lock code, and press . Then, the screen will ask you to enter the same code again.
- To release the handset lock:
Select **Off**, and press .

To unlock your phone at powering on

"UNLOCK" will be displayed at the bottom right of the screen at powering on. Press , enter the correct lock code, and press .





13. Security Settings

NOTES:

- The key entry for the code will be displayed by the letter "x".
- If you fail to enter the correct lock code, the screen will return to the original screen.
- You can still make emergency calls on the phone even if your phone is locked.

Handset Call Barring (MENU 8-3)

You can restrict outgoing calls and incoming calls of your phone. This is not controlled by the network service.

Incoming Calls Barring (MENU 8-3-1)

- 1 The current setting (**On** or **Off**) will be displayed, and press ↵.
- 2 Select another item, and press ↵.
To restrict incoming calls, select **On**.

Outgoing Calls Barring (MENU 8-3-2)

- 1 The current setting will be displayed.
- 2 Select one of the following items, and press ↵.

All: Bars all outgoing calls.

List: The current prefixes entered by you are listed. If nothing is listed, "**List empty**" will be displayed. If the prefix is "**nnn**", for example, then the calls that begin with "**nnn**" will be barred. If it is "**00**", then international calls will be barred.

- 1) Select one of the prefixes on the list, and press ↵.
- 2) Select one of the following items, and press ↵.

Add: You can add a new prefix.

Edit: You can edit the selected prefix.

Delete: You can delete the selected prefix.

Clear all: You can clear all the prefixes.

Off: Cancels outgoing call barring.

Network Call Barring (MENU 8-4)

You can restrict outgoing calls or incoming calls where such services are available.

- 1 Select **Network call barring**, and press ↵.
- 2 You can restrict the calls as follows:
 - To bar outgoing calls, select one of the following items, and press ↵.





13. Security Settings

Bar foreign calls (MENU 8-4-1), Only local and home country (MENU 8-4-2), and Bar outgoing calls (for all outgoing calls) **(MENU 8-4-5).**

- To bar incoming calls, select one of the following items, and press .
Bar incoming calls (for all incoming calls) (MENU 8-4-3) and **Bar incoming if abroad** (restricted if your phone is used abroad) (MENU 8-4-4).

3 Select your desired item from the following, and press .

All services, Voice calls, Data, Fax, Messages, and All except msg(messages).

4 Select one of the following items to choose the setting, and press .

- On:** Select to enable this feature. You will need to enter the Network password, and press .
- Off:** Select to disable this feature. You will need to enter the Network password and press .
- Status:** Select to review the current status without entering the code.

NOTE:

- To check the contents of the service, press ^/∨.

To cancel all barring (MENU 8-4-6)

- 1** Select **Clear all (MENU 8-4-6)**, and press .
- 2** Enter the Network password and press .

NOTES:

- *Your initial Network password will be provided by your service provider.*
- *The key entry for the code will be displayed by the letter "x".*
- *If you enter the wrong Network password, the screen will return to the original screen.*





13. Security Settings



Fixed Dialling (MENU 8-5)

Your outgoing calls can be restricted to the phone numbers in the Fixed Dialling list, if supported by your SIM card. The maximum number of Fixed Dialling entries depends on your SIM card. You can add phone numbers to the Fixed Dialling list. Also, you can enable or disable the Fixed Dialling feature.

Setting (MENU 8-5-1)

To enable the Fixed Dialling feature, select **On**.
To disable the Fixed Dialling feature, select **Off**.

List (MENU 8-5-2)

- 1 To edit the Fixed Dialling list, select **Fixed dial list (MENU 8-5-2)**. The Fixed Dialling list will be displayed.
- 2 Select the name you wish to edit, and press .
- 3 Select one of the following items, and press .
 - Add:** Enter a name and then the phone number you wish to add to the Fixed Dialling list.
 - View number:** You can review the contents of the Fixed Dialling list.
 - Edit:** Edits the name and then the phone number.
 - Delete:** The selected item will be deleted.
- 4 If you are asked to "**ENTER PIN2**", enter your PIN2 code.

NOTES:

- **When you need to enter PIN2, you should ask the PIN2 of your service Centre.**
- **For details on entering names into lists, see "Keys" on page 46.**





14. SIM Services (MENU 9)



In addition to the functions available in the phone, your SIM card may provide additional services that you can access in this menu. This menu is shown only if it is supported by your SIM card. The name and contents of this menu depended entirely on the services available.





15. General Specifications



15. General Specifications

Frequency Band:	900MHz and 1900MHz
Operating Temperature:	-10°C to + 55°C
Main Unit:	Standard Li-ion battery
Supply Voltage:	3.8 V 700mAh
	Optional NiMH battery
	3.6V 720mAh
RF Power Output:	Class 4 (GSM-900/2W)
	Class 1 (PCS-1900/1W)
Dimensions:	
With standard Li-ion battery (BTL325):	4.4" × 1.89" × 0.9" (112mm × 48mm × 23.5mm)
With optional Li-ion battery (with vibrator) (VTL325):	4.4" × 1.89" × 0.9" (112mm × 48mm × 23.5mm)
With optional NiMH battery (BTR325):	4.4" × 1.89" × 1.06" (112mm × 48mm × 27mm)
With optional NiMH battery (with vibrator) (VTR325):	4.4" × 1.89" × 1.06" (112mm × 48mm × 27mm)
Weight:	
With standard Li-ion battery:	3.45oz (98g)
With optional Li-ion battery (with vibrator):	3.5oz (100g)
With optional NiMH battery:	3.9oz (113g)
With optional NiMH battery (with vibrator):	4.1oz (115g)
Talk Time:	
With standard Li-ion battery:	90-300 minutes
With optional Li-ion battery (with vibrator):	90-300 minutes
With optional NiMH battery:	90-300 minutes
With optional NiMH battery (with vibrator):	90-300 minutes
Standby Time:	
With standard Li-ion battery:	60-110 hours
With optional Li-ion battery (with vibrator):	60-110 hours
With optional NiMH battery:	60-110 hours
With optional NiMH battery (with vibrator):	60-110 hours
* Subject to change without notice.	
* Times may vary depending on system.	

