

Setting Options

From **Messages** menu

4 OptionsA (Select)

NOTE: In the area where GPRS is not supported, SMS may not be sent when SMS via GPRS is on.

The following options are available:

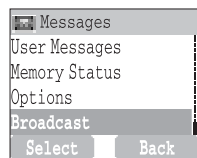
Message Centre	<i>Edit Message Centre number</i>
Protocol	<i>Select required Message Type from Standard Text, Fax, X.400, Paging, E-mail, ERMES, Voicemail</i>
Lifetime	<i>This is the duration that your message is stored in Message Centre</i>
Delivery Report	<i>Request a delivery report on the status of a sent message</i>
SMS via GPRS	<i>Send a Short Text message via GPRS</i>



Messages

Broadcast

> Broadcast



Setting Broadcast

From **Messages** menu

- 1 4 **Broadcast**A (Select)
- 2 4 **Broadcast**A (On/off)

Viewing Broadcast

From **Messages** menu

- 1 4 **Broadcast > Read Messages**A (Select)
- 2 To scroll to the available topicsA (Next)

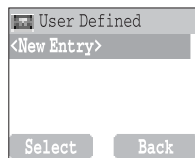
NOTE: This function will depend on your Network Service Operator.

Setting Topic

From **Messages** menu

- 1 4 **Broadcast > Topic > Current**>A (Select)
- 2 4 required TopicA (Menu)
- 3 4 **Add** or **Delete**A (Select)

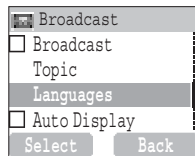
You can receive your favourite information regularly from your service provider. You need to specify the "topic(s)" of information and the language that you wish to receive as broadcasts and tick the "Broadcast" on before you can receive them.



Setting User defined Topic

From **Messages** menu

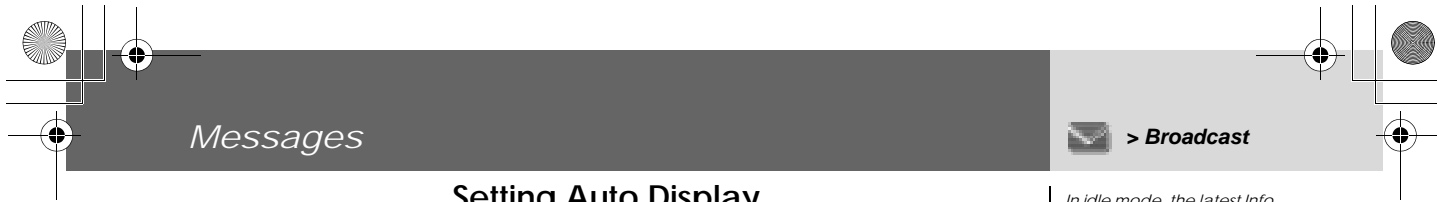
- 14 **Broadcast > Topic > User Defined > <New entry>**
A (Select)
- 2 **Enter Msg ID**A (OK)
- 3 **Enter Name**A (OK)
- 44 **Current**A (Select)
- 54 **<Add Topic>**A (Select)
- 64 required **Topic**A (Select)



Setting Language

From **Messages** menu

- 14 **Broadcast**A (Select)
- 24 **Languages**A (Select)
- 34 required **Language**A (Select)
- 4 To continue to add languages;
4 **Insert**A (Select)
To complete adding language;
- 4 **Add to End**A (Select)

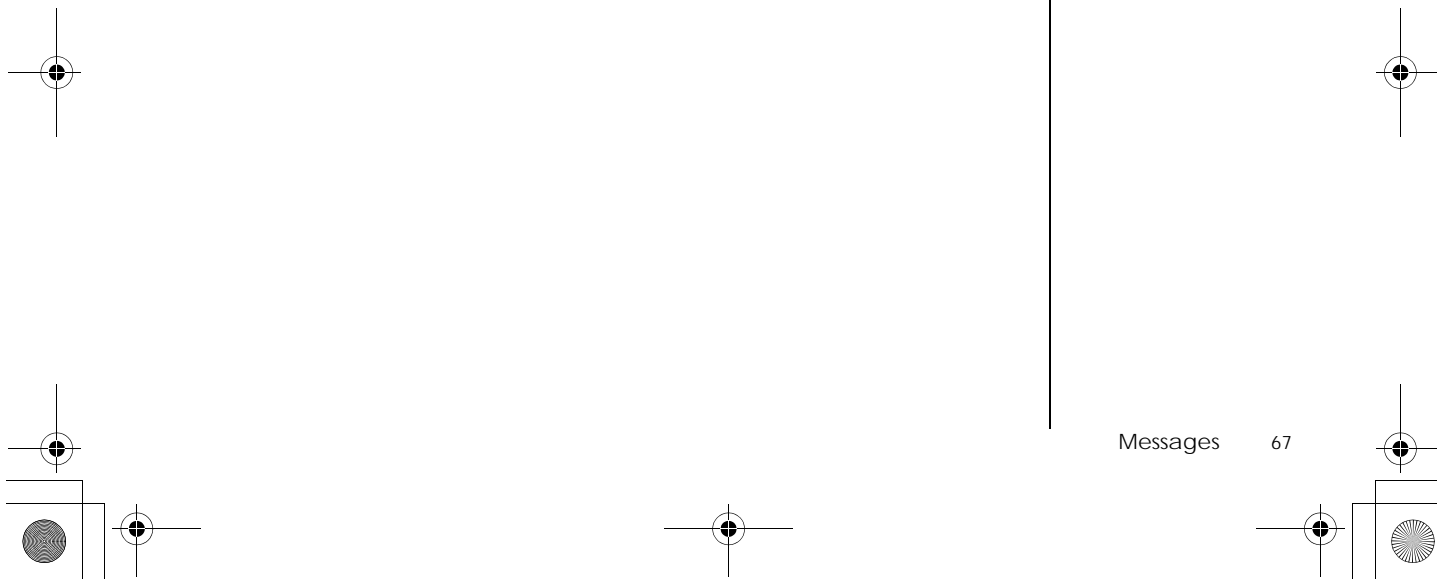


Setting Auto Display

From **Messages** menu

- 14 **Broadcast**A (Select)
- 24 **Auto Display**A (On/off)

In idle mode, the latest Info Message is displayed on your phone automatically.



Text Entry

You can use alphanumeric characters to enter details into the Phonebook, to create text, etc.

Key	Text Mode		Numeric (0 - 9)
	T9® (T9Abc, T9ABC, T9abc) (Input language: English)	Multi tap (Input mode indicator: Abc, ABC or abc)	
#	Punctuation 1	Space 0 , ? ! + - = : ; ' " ' ; _	0
\$	Punctuation 2	1 / () < > [] { } % - & (1 / () < > [] { } % - _ &)	1
%	A B C (a b c)	A B C 2 A (a b c 2 ä à c)	2
&	D E F (d e f)	D E F 3 É (d e f 3 é è)	3
'	G H I (g h i)	G H I 4 (g h i 4 l)	4
(J K L (j k l)	J K L 5 (j k l 5)	5
)	M N O (m n o)	M N O 6 Ö Ñ (m n o 6 ö ñ ö)	6
*	P Q R S (p q r s)	P Q R S 7 (p q r s 7 ß)	7
+	T U V (t u v)	T U V 8 Ü (t u v 8 ü ü)	8
,	W X Y Z (w x y z)	W X Y Z 9 Æ Ø Å (w x y z 9 æ ø å)	9
C	Shift mode	Shift mode	
"	* Γ Δ Θ Λ Ξ Π Σ Φ Ψ Ω	* Γ Δ Θ Λ Ξ Π Σ Φ Ψ Ω	*
!	Alternatives / (Hold) Space # £ \$ ¥ ¢ @ \ \$ ^	(Hold) Space # £ \$ ¥ ¢ @ \ \$ ^	#

NOTE: Displayed characters of T9® vary depending on the selected input language.



Shift mode change

The Shift mode changes by pressing (within 1 sec) **C**

<i>Multi tap</i>	<i>Tegic</i>
<i>Abc -> ABC -> abc</i>	<i>T9Abc -> T9ABC -> T9abc</i>

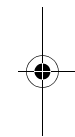
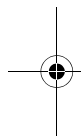
If Input mode is changed, Shift mode is initialized.

Auto capital change

Auto capital affects Abc and T9Abc.

If Input mode is changed to Abc or T9Abc, the first character is input as upper case and subsequent letters as lower case. (Input mode indicator changes to abc or T9.)

If these characters [. (Period) or ! or ?] are input, the next character is input as upper case. (Input mode indicator changes to Abc or T9Abc.)



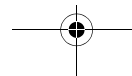
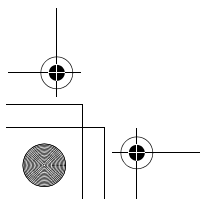
Tegic

Text Input

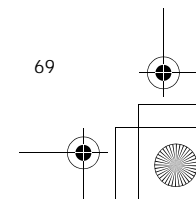
User Dictionary of Tegic

When edit mode is finished, all words in the editor are registered in User Dictionary of Tegic.

To switch On/Off T9 mode, press!



Text Entry 69





T9® Text Input

Using this mode of text input dramatically reduces the number of key presses required: Press a key once for any letter you require on that key. The desired letter may not be displayed. Continue pressing other keys until the end of a word is reached; then check that the word has been typed correctly before continuing on to the next word. If the combination of letters typed has produced a word which is not the one you require, press **A** repeatedly until the correct word is displayed. Continue to the next word.

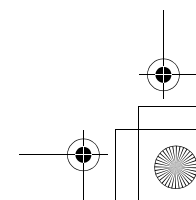
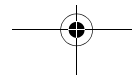
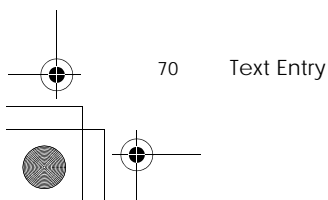
Example of Text Input in T9 Mode

To type a new message, follow these steps:

- 1 At the beginning of a new message press and hold **@** (Clear) to delete previous text, if necessary.
- 2 Press **C** to change letter case, if necessary
- 3 Press **% % ((** "Call" is displayed.

Note that the displayed words change as you type, always type to the end of the word before editing.

T9® Languages can be selected from T9 Input -see "Setting T9 Input" on page 39. If the word you require is not in the internal dictionary then it should be entered using the Multi tap (ABC) mode.





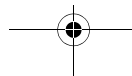
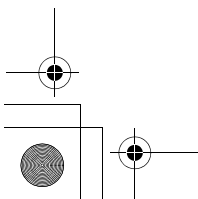
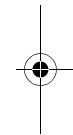
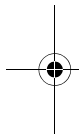
Other Text Modes

Select text mode (displayed in Information area on screen)

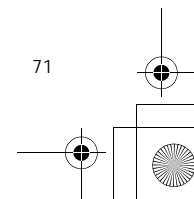
Multi tap mode (Abc, ABC or abc):

Each time a key is pressed in quick succession it displays the next character available on that key. Releasing the key or pressing another key enters the character displayed. The cursor moves to the next position.

In T9 (Abc) or Multi tap (Abc) mode, the first entered letter in a sentence is in upper case.



Text Entry 71



Phone Option Menu Structure

Phone Option



- Call Service
- Call Divert
- Security
- Network
- CSD Setting
- GPRS Setting
- GPRS Info

Auto Network
New Network
Network List
Band Select

Call Bar
Codes
Fixed Dial
SIM Lock

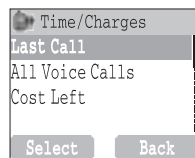
All Voice Calls
Not Reachable
No Reply
Busy
Status Check
Cancel All

Time/Charges
Call Waiting
Withhold ID
Caller's ID
Charge Settings
Line

Call Service

Viewing Time/Charges

From **Phone Option** menu



1 4 **Call Service > Time/Charges**A (Select)

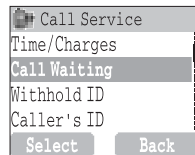
2 4 required service **Last Call, All Voice Calls or Cost Left**

A (Select)

Last Call	Display the duration of Last Call
All Voice Calls	Display the sum of the duration for the all voice calls
Cost Left	When Max Cost is on, display the remaining units. For setting the Max Cost , please refer to "Setting the Maximum Cost:" on page 75.

Setting Call Waiting

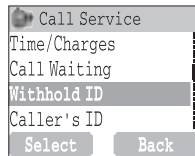
From **Phone Option** menu



1 4 **Call Service > Call Waiting**A (Select)

2 **Set**A (Select)

*If **Call Waiting** is switched on, a second call can be received.*



Withhold ID /Caller's ID

From **Phone Option** menu

- 14 **Call Service**A (Select)
- 2 **Withhold ID or Caller's ID**A (Select)

NOTE: When checking the status the phone must be registered with a network.

*Withhold ID allows you to prevent showing your name and/or number to your calling party. **Caller's ID** allows to display Caller's name and/or number on your display.*

Charge Settings

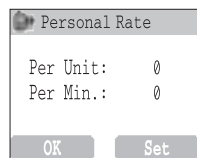
NOTE: Charge Setting is SIM dependent

Setting Currency:

From **Phone Option** menu

- 14 **Call Service** > **Charge Settings**A (Select)
- 24 **Currency**A (Select)
 - Current Setting is displayed
- 3 @ (Set) > Enter PIN2 codeA (OK)
- 4 Enter currency units (max.3 characters)A (OK)

Firstly, Personal rate must be entered. This is the cost that the Service Provider charges for one unit of call time.

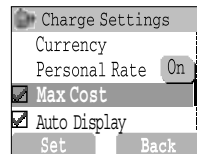


Setting Personal Rate:

From **Phone Option** menu

- 1 4 **Call Service > Charge Settings > Personal Rate**
- A (Select)
- 2@ (Set)
- 3 Enter PIN2 code A (OK)
- 4 Press required personal rate A (OK)

NOTE: When you set the unit price, you will be asked to enter your PIN2.



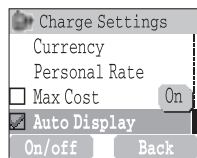
Setting the Maximum Cost:

From **Phone Option** menu

- 1 4 **Call Service > Charge Settings A** (Select)
- 2 4 **Max Cost A** (Set)
- >Current setting is displayed.
- 3@ (Edit) > Enter PIN2 code A (OK)
- 4@ (Set) > 4 **On A** (Select)
- 5 Enter **Credit Limit > A** (OK)

NOTE: The duration of one unit may vary during the day, peak and off-peak times. Call charges can be calculated accordingly. However, the call charge information may not give an accurate reflection of the actual tariffs charged by your Service Provider.

This function allows you to pre-set the maximum cost of calls allowed.



Setting Auto Display

From **Phone Option** menu

- 14 **Call Service** > **Charge Settings**A (Select)
- 24 **Auto Display**A (On/off)

Setting Phone Line

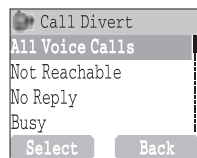
From **Phone Option** menu

- 14 **Call Service** > **Line**A (Select)
- 24 **Line 1/Line 2**A (Select)

NOTE: This function is SIM dependent.

This menu is selectable only if your SIM supports CPHS and Line 1/2.

Call Divert



Setting Call Divert

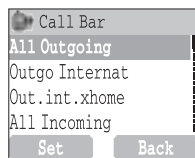
From **Phone Option** menu

- 1 4 **Call Divert**A (Select)
- 2 4 Select the circumstances to initiate the divertA (Select)
- 3 4 required operation from **Set**, **Clear**, or **Check Status**
A (Select)
- 4 Enter phone number to divert toA
- > When a divert situation is enabled the divert icon (G) is displayed.
- > When updating or checking the status of Call Divert the phone must be registered with a network. (0)

All Voice Calls	<i>Divert all incoming voice calls</i>
Not Reachable	<i>When phone is disconnected, divert incoming voice calls</i>
No Reply	<i>If call is not answered, divert incoming voice calls</i>
Busy	<i>When a call is in progress, divert incoming voice calls</i>
Status Check	<i>Check the current Call Divert status</i>
Cancel All	<i>Cancel all Call Divert settings</i>

Voice calls can be diverted using different situations and to different numbers. For example, you may wish voice calls to be diverted to voicemail box when the phone is switched off.

Security



Setting Call Bar

From **Phone Option** menu

- 14 **Security > Call Bar** (Select)
- 24 required setting from the menus showing below **A** (Set) or **@** (Select)
- 34 required operation from **Set, Clear** or **Check Status** **A** (Select)
- 4 Enter required password **A** (Select)

<i>All Outgoing</i>	<i>All Outgoing calls are barred</i>
<i>Outgo Internet</i>	<i>International Outgoing calls are barred</i>
<i>Out.int.xhome</i>	<i>International Outgoing calls except home are barred</i>
<i>All Incoming</i>	<i>All Incoming calls are barred</i>
<i>When Roaming</i>	<i>All internal incoming calls when roaming outside the home PLMN</i>
<i>Status Check</i>	<i>Call bar status is displayed</i>
<i>Cancel All</i>	<i>Cancel all Call Bar settings</i>
<i>Password</i>	<i>Change Call Bar Password</i>

Call Barring restricts certain outgoing and/or incoming calls using a password supplied by your service provider. When updating/checking the status of Call Bar the phone must be registered with a network.



Change Phonecode

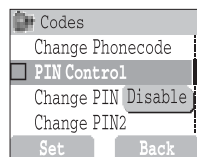
From **Phone Option** menu

- 1 4 **Security > CodesA** (Select)
- 2 4 **Change PhonecodeA** (Select)
- 3 Enter New PhonecodeA (OK) x2

Enabling/Disabling the PIN

From **Phone Option** menu

- 1 4 **Security > CodesA** (Select)
- 2 4 **PIN ControlA** (Set)
- 3 Enter PIN numberA (OK) x2



*The PIN protects your SIM against unauthorised use. If you enable the PIN, every time the phone is switched on you will be prompted to enter the PIN. The PIN2 controls security for the Fixed Dial Store, Call Charge metering and Barred Dial. If either PIN/PIN2 is entered incorrectly **3 times** the phone will be locked and you will need to enter the PUK/PUK2 code. **Contact the service provider** for the PUK/PUK2 code.*

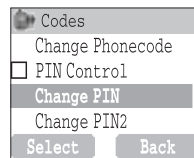


Phone Option

>Security

Changing the Security Code

From **Phone Option** menu

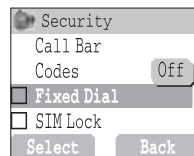


- 14 **Security** > **Codes**A (Select)
- 24 **Change PIN** or **Change PIN2**A (Select)
- 3 Enter the current codeA (OK)
- 4 Enter the new codeA (OK)
- 5 Enter the new code to verifyA (OK)

*NOTE: To enter PUK code for PIN, enter **05#, you will then be prompted to enter the PUK code, then follow the on-screen instructions. To enter PUK2 code for PIN2, enter **052# you will then be prompted to enter the PUK2 code, then follow the on-screen instructions. If the PUK/PUK2 code is entered incorrectly 10 times, the phone will cease to operate permanently. All information stored in the SIM will be lost and the SIM will need to be replaced. Contact the service provider for more details.*

Setting Fixed Dial

From **Phone Option** menu



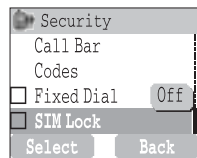
- 14 **Security**A (Select)
- 24 **Fixed Dial**A (Select)
- 3 Enter PIN2 codeA (OK)
- > Any manually dialled phone numbers must be the same as the numbers in the Fixed Dial Store.
- > A phone number may be stored, edited or deleted. You will be prompted for your PIN2 code.

Fixed Dial is a part of the Phonebook, but with added security. Only numbers that are in the Fixed Dial Store may be dialled.



Phone Option

> Security / Network



Setting SIM Lock

- From **Phone Option** menu
- 1 4 **Security**A (Select)
- 2 4 **SIM Lock**A (Select)
- 3 Enter PhonocodeA (OK)

NOTE: You are advised to write down your Phonocode. In case you forget your phonocode, you will need to contact your service provider to unlock the SIM.

Network

Network setting

- From **Phone Option** menu
- 1 4 **Network**A (Select)
- 2 4 required optionA (On/off) or A (Select)

Auto Network	Set "Auto Network" On or Off.
New Network	When "Auto Network" is on: Search an available network automatically. When "Auto Network" is off: Select a network manually
Network List	Create and edit a network list according to your preferences.
Band Select	Choose a network band: 900/1800, 900/1900, 900, 1800, 1900MHz.

Manually select a network that is available in your current location.

CSD Setting

Connection Setting

You can set CSD setting when connecting to network.

From **Phone Option** menu

14 **CSD Setting**A (Select)

24 required settingA (Select)

3 when all the data are entered,A (Save)

<i>Server Name</i>	<i>Enter Server Name</i>
<i>Call Type</i>	<i>Select ISDN or Analog</i>
<i>Dial Number</i>	<i>Enter the common numbers in Digital and Analogue.</i>
<i>Login Name</i>	<i>Enter Login ID</i>
<i>Password</i>	<i>Enter Password</i>

You need to complete CSD setting before setting your server.
- see "Server Setting" on page 52.

GPRS Setting

Connection Setting

You can set GPRS setting when connecting to network.

From **Phone Option** menu

- 1 4 **GPRS Setting** **A** (Select)
- 2 4 required setting **A** (Select)
- 3 when all the data are entered, **A** (Save)

> When GPRS Setting is completed, the GPRS icon (**GPRS**) is displayed.

<i>Server Name</i>	<i>Enter Server Name</i>
<i>GPRS APN</i>	<i>Enter Access Point Name</i>
<i>Login Name</i>	<i>Enter Login ID</i>
<i>Password</i>	<i>Enter Password</i>
<i>Authentication</i>	<i>Select Active or Deactive</i>

*You need to complete GPRS setting before setting your server.
- see "Server Setting" on page 52.*



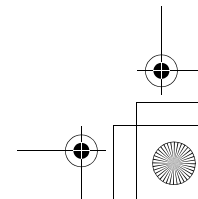
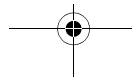
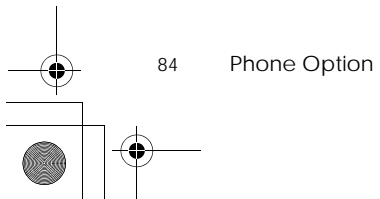
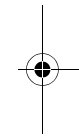
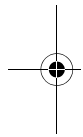
Viewing GPRS Information

From **Phone Option** menu

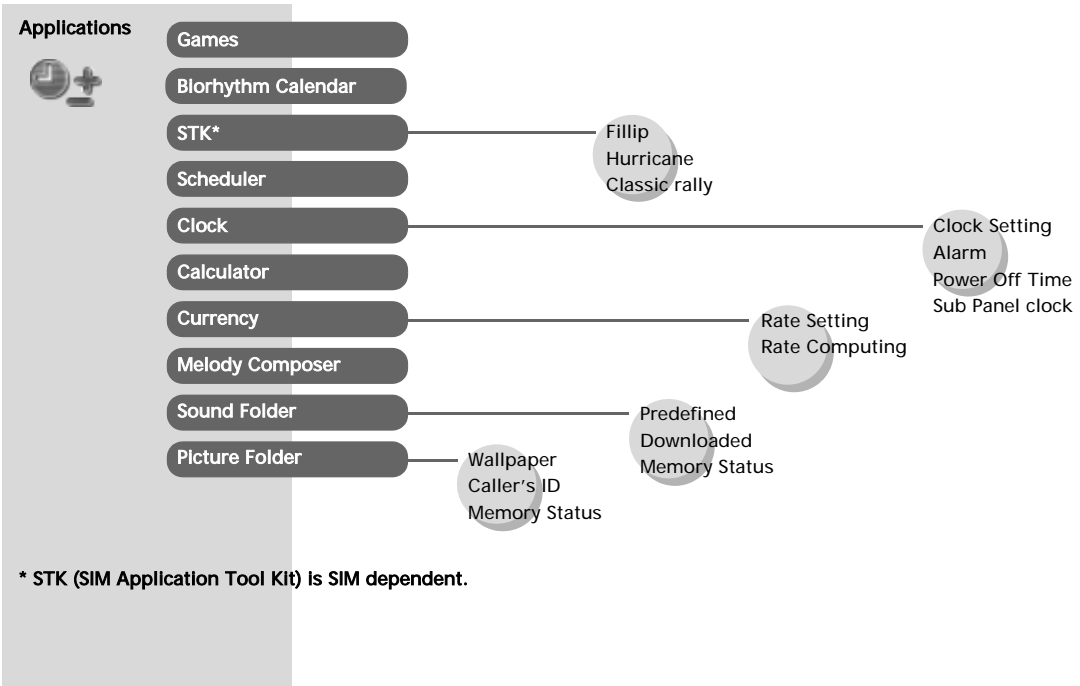
14 **GPRS InfoA** (Select)

2 To reset to GPRS Info;

@ (Reset) >@ (Yes)



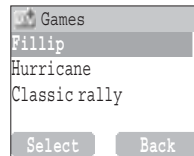
Applications Menu Structure



Applications

> Games/STK/
Biorhythm Calendar

Games



From **Applications** menu

14 **Games**A (Select)

24 required gameA (Select).

> Please refer to "Games" on page 42.

Biorhythm Calendar

From **Applications** menu

14 **Biorhythm Calendar**A (Select)

2A (Yes)

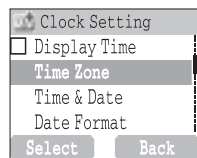
3 Enter your birthday and the date to predict >A (Predict)

4 For further information,@ (Describe) >4 required
descriptionA (Select)

STK (SIM Application Tool Kit)

This function is SIM dependent.

Clock

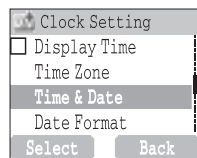


Time Zone Setting

From **Applications** menu

- 14 **Clock > Clock Setting > Time Zone**A (Select)
- 24 required regionA (Select)
- 3A (Yes) or@ (No) to select **"Day Light Saving?"**
- 4 **"Set This City to Local"**@ (OK)
- 5 **"Success!"**A (OK)

Before setting Time & Date, set Time Zone of your region or the city which has same time zone as your region. When travelling abroad, your home time can be changed to your destination time.



Time & Date Setting

From **Applications** menu

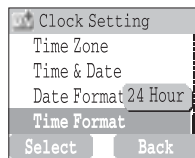
- 14 **Clock > Clock Setting > Time & Date**A (Select)
- 2@ (Set) enter the digits for the timeA (OK)

Time Display Setting

From **Applications** menu

- 14 **Clock > Clock Setting**A (Select)
- 24 **Display Time**A (On/off)

Time and date can be shown on the display in idle mode.



Date Format/Time Format

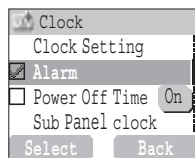
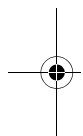
From **Applications** menu

1 4 **Clock > Clock Setting > Date Format or Time Format**

A (Select)

2 4 required format A (Select)

Display format for time and date can be selected.



Alarm Setting

From **Applications** menu

1 4 **Clock > Alarm** A (Select)

2 A (Set) > Enter the digits for the time (24 hour clock)

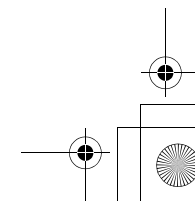
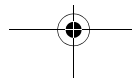
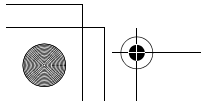
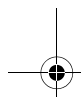
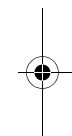
A (OK)

3 4 Select from **Repeat Daily, Once** or **Disabled** A (Select)

4 **"Alarm Time Has Been Updated!"** A (OK)

> Alarm set indicator ? appears on idle display.

> When the set time is reached, the alarm will sound.





Applications

+ > Clock

To end alarm:

Press any key or **A** (Off)
OR **@** (Pause) to pause the alarm and start again after 5 minutes

NOTE: Ensure that the setting of the Alarm will not contravene any regulations whereby it may automatically power on when in an aircraft or medical facility etc. - see "Important Information" on page 1.

Power Off Time

From **Applications** menu

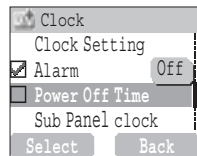
- 1 4 **Clock > Power Off Time** **A** (Select)
- 2 Enter the digits for the time (24 hour clock) **A** (OK)
- 3 4 Select from **Repeat Daily**, **Once** or **Disabled** **A** (Select)
- 4 "Power Off Time Setting Updated!" **A**

Sub Panel clock Setting

From **Applications** menu

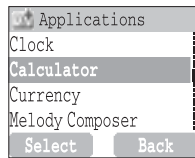
- 1 4 **Clock > Sub Panel clock** **A** (Select)
- 2 4 **Analog Clock** or **Digital Clock** **A** (Select)

The phone can be set to turn itself off automatically at a specified time using the Power Off feature. The procedure for setting/adjusting the Power Off automatically is similar to the setting of Alarm.





Calculator



From **Applications** menu

1 **4 CalculatorA** (Select)

2 Enter a number (maximum 7 digits) and it will be displayed on the upper right of the display. When a decimal point is required, press! , when a minus sign is needed press" .

3 **4** to select the arithmetic operation

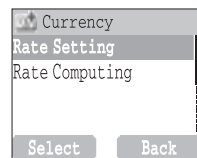
4 Enter a number (maximum 7 digits) and it will be displayed next to the operation symbol.

If **4** is used to select another arithmetical operation to perform, an intermediate calculation will be performed and the result displayed on the top line.

5 **A** (=) to calculate

The four function calculator will enable the user to perform simple arithmetic calculations (addition, subtraction, multiplication and division).

Currency



Setting the currency value

From **Applications** menu

- 14 **CurrencyA** (Select)
- 24 **Rate SettingA** (Select)

3 On the right side of the screen, enter your home currency rate to the currency which you want to convert with **A** (OK)

4 **A** (Save)

Rate Computing

From **Applications** menu

- 14 **CurrencyA** (Select)
- 24 **Rate ComputingA** (Select)

3 Enter the amount of currency which you want to convert into your home currency **A** (Convert)

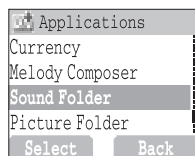
The currency convertor enables you to convert from/to a home currency using a conversion rate that you enter.

Melody Composer

Please refer to "Composing a Melody" on page 25.



Sound Folder



Setting Ringtone:

From **Applications** menu

- 14 **Sound Folder**A (Select)
- 24 **Predefined** or **Downloaded**A (Select)
- 34 required soundA (Menu)
 - >To see the information of the selected RingTone, 4 **Info** A (Select)
 - >To return to the previous menu, A (OK)
- 44 **Set to Ringtone**A (Select)

Viewing Memory Status:

From **Applications** menu

- 14 **Sound Folder**A (Select)
- 24 **Memory Status**A (Select)
 - >**Free Space** and **Total Used** are displayed.
 - >To back to the previous menu, A (OK)

> **Sound Folder**

The sound folder contains predefined sound files and any downloaded sound files. You can play the sound and set one as your Ringtone.

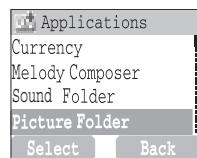
The memory status is dependant on file sizes stored in the Melody Composer, Picture Folder and Sound Folder.



Applications

> Picture Folder

Picture Folder



Setting Wallpaper:

From **Applications** menu

- 1 4 **Picture Folder**A (Select) > 4 **Wallpaper**A (Select)
- 2 4 **Predefined or Downloaded**A (Select)
- 3 4 required pictureA (Menu)
 - >To see the large picture, 4 **View**A (Select)
 - >To return to the previous menu, @ (Back)
- 4 4 **Set to Wallpaper**A (Select)

Viewing Picture of Caller's ID:

From **Applications** menu

- 1 4 **Picture Folder**A (Select) > 4 **Caller's ID** A (Select)
- 2 4 **Predefined or Downloaded**A (Select)
- 3 4 required pictureA (Menu)
- 4 4 **View or Info**A (Select)
 - >To return to the previous menu, @ (Back)

You can find lists of predefined pictures and downloaded pictures in both Wallpaper folder and Caller ID folder. You can view those pictures, and also set one of them for the idle screen.



Viewing Memory Status:

From **Applications** menu

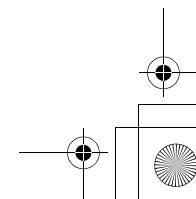
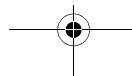
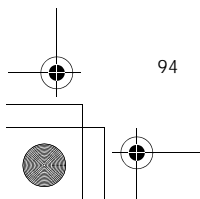
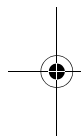
14 **Picture Folder**A (Select)

24 **Memory Status**A (Select)

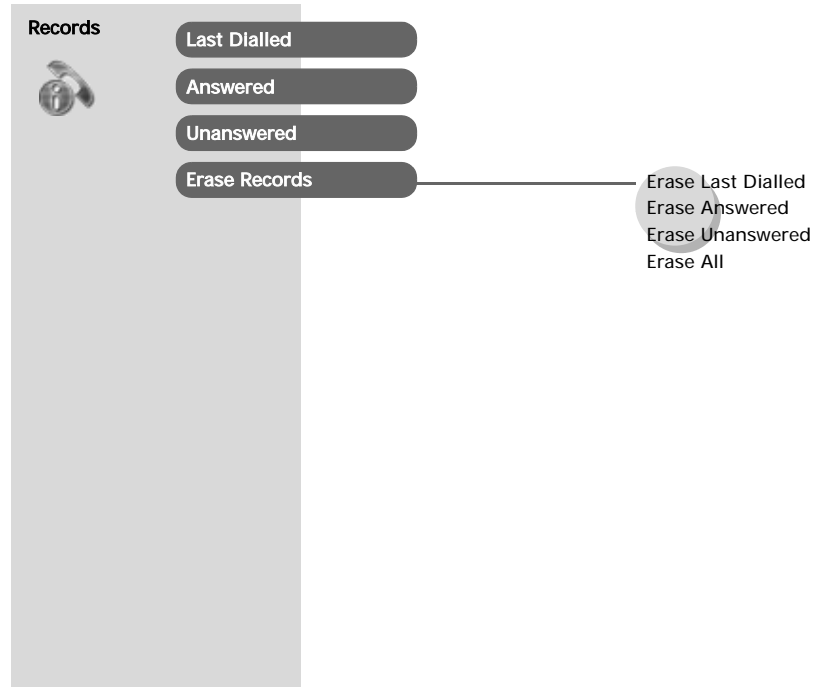
>**Free Space** and **Total Used** are displayed.

>To return to the previous menu,A (OK)

The memory status is dependant on file sizes stored in the Melody Composer, Picture Folder and Sound Folder.



Records Menu Structure

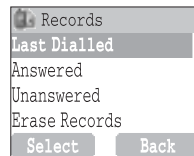


Records

> Last Dialed / Answered / Unanswered

Calling for the Last Dialed/Answered/Unanswered number

From **Records** menu



14 Choose one menu from **Last Dialed, Answered** or **Unanswered**A (Select)

24 required phone number (or name) you wish to redialC
OR

In idle,C to view the last dialed numbers directly

To save a record in Phonebook:

After selecting desired number,

A (Menu) > 4 SaveA (Select) > 4 SIM Phonebook or Mobile PhonebookA (Select)

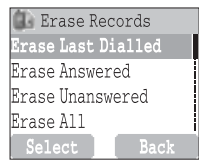
Enter Name and Phone numberA (Save).

NOTE: When the store is full the next phone number will overwrite the oldest.

If Caller Identification is known, caller's phone number, for an answered call will be stored in the Answered menu and an unanswered call will be stored in the Unanswered menu.



Erasing Records



- From **Records** menu
- 1 4 **Erase Records**A (Select)
 - 2 Choose one menu from **Erase Last Dialed**, **Erase Answered**, **Erase Unanswered** or **Erase All**A (Select)
 - 3@ (Yes)

Troubleshooting

Should any problem persist contact your dealer.

<i>Problem</i>	<i>Cause</i>	<i>Remedy</i>
<i>Phone will not switch on.</i>	_____	<i>Check that the battery is fully charged and correctly connected to the phone.</i>
<i>Extremely short battery life for a new battery.</i>	<i>The network you are using and the condition of the battery can affect battery life.</i>	_____
<i>Short battery life for an old battery.</i>	<i>The battery has worn out.</i>	<i>Replace with a new fully charged battery.</i>
<i>The charging indicator does not light, the battery level indicator does not appear and the phone cannot be switched on when charging.</i>	<i>The battery is not attached to the phone or when the battery has been deeply discharged the phone will take a short time until the indicator lights.</i>	<i>Leave the phone charging the battery for a few minutes before the indicator is lit and attempting to switch it on.</i>
<i>Battery fails to charge.</i>	<i>The battery is not attached to the phone.</i>	<i>Ensure the battery is fitted to the phone prior to commencing charging.</i>
	<i>Battery has been connected to the phone after the Fast Travel Charger has been switched on.</i>	
<i>Calls cannot be made.</i>	<i>The phone is locked.</i>	<i>Unlock the phone.</i>
	<i>Outgoing calls are barred.</i>	<i>Disable the outgoing call barring or barred dial.</i>
	<i>The phone is not registered to a network.</i>	<i>Move to a coverage area and operate your phone after it has registered with a network.</i>

Troubleshooting

<i>Problem</i>	<i>Cause</i>	<i>Remedy</i>
<i>Calls cannot be made from Fixed Dial Store.</i>		<i>Check whether your SIM supports Fixed Dial. Check if the Fixed Dial is switched on. Check whether the phone number is stored in the Fixed Dial.</i>
<i>Calls cannot be received.</i>	<i>The phone is not switched on.</i>	<i>Switch the phone on.</i>
	<i>Incoming calls are barred.</i>	<i>Disable the incoming call barring.</i>
	<i>The phone is not registered to a network.</i>	<i>Move to a coverage area and operate your phone after it has registered with a network.</i>
<i>Emergency calls cannot be made.</i>	<i>You are not in a GSM coverage area.</i>	<i>Check that the antenna symbol S is displayed – move to a coverage area and operate your phone when the antenna symbol is displayed.</i>
<i>Phone numbers cannot be recalled from Phonebook.</i>	<i>The phone is locked.</i>	<i>Unlock the phone.</i>
	<i>Phone number has been restricted.</i>	<i>Switch off restriction.</i>

Important Error Messages

These are some of the most important error messages which may be displayed:

Please Insert SIM Card	There is no SIM card or you may have inserted it correctly, please insert the SIM card.
New Codes Not Same	When you want to change a new password, you have to confirm the new code by entering it again. The two codes that you have entered do not match. Please enter again.
Password Invalid!	When you want to change a new password, you have to confirm the new code by entering it again. The two codes that you have entered do not match. Please enter again.
Can't Access Network	When you want to select a service network manually, the service network you selected is unable to access. Please contact your Service Provider.
Unable to Select Network	When you want to select a service network manually, the service network you selected refuses you access. Please contact your service provider.
No Service	There is no network within range or the received signal is too weak. You have to move to get a signal that is strong enough.
PIN Blocked! Please Enter PUK	You have entered your PIN or PIN2 incorrectly three times in a row. To unblock it, please enter PUK1 or PUK2.
PIN2 Blocked! Please Enter PUK2	You have entered your PIN or PIN2 incorrectly three times in a row. To unblock it, please enter PUK1 or PUK2.
New PIN Not Accepted	The new PIN code which you want to change to is unable to be accepted. Please try again.
New PIN2 Not Accepted	The new PIN2 code which you want to change to is unable to be accepted. Please try again.
Incorrect Entry!	You have entered your PIN or PIN2 incorrectly. Please enter the correct one.
Entries Do Not Match!	When you want to change a new password, you have to confirm the new code by entering it again. The two codes that you have entered do not match. Please enter again.

Important Error Messages

SIM Card Error	Make sure the SIM card is correctly inserted.You may clean the SIM card with a dry cloth or inspect the damage then return SIM card to Service Provider.
Function Unsupported	The function you selected is not supported by Service Provide.Please contact your Service Provider.
Invalid Password	The Password that you have entered si not valid.Please enter the correct one.
Not Available	The function you selected is not supported by Service Provide.Please contact your Service Provider.
Service Not Available	The function you selected is not supported by Service Provide.Please contact your Service Provider.
Wrong PUK!	You have entered your PUK incorrectly.Please enter the correct one.
SIM Full! Please Delete Old Message!	The SIM storage area for SMS is full.Please delete old.
SIM Not Enough Space ! Continue ?	The SIM storage area is not enough for your operation.Please delete some old records or just lose some data to operate.
Not Enough Space ! Continue ?	The ME storage area is not enough for your operation.Please delete some old records or just lose some data to operate.
SIM Service Not Support	The SIM function you selected is not supported by Service Provide.Please contact your Service Provider.
Unregistered SIM Card	Your SIM card is not registered to your Service Provider.Please contact with you Service Provider.
Authentication Failure	Your SIM card is not registered to your Service Provider.Please contact with you Service Provider.
Blocked	Your SIM card is blocked.Please contact with you Service Provider.

Glossary of Terms

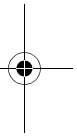
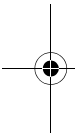
APN	<i>Access Point Name. Directs the user to the gateway or the required service.</i>
CHAP	<i>Challenge Handshake Authentication Protocol. A security feature for the GPRS network.</i>
CSD	<i>Circuit Switched Data. A communication method used to transmit data over telephone connections.</i>
DTMF Tones	<i>Dual Tone Multi-Frequency tones allow you to communicate with computerised phone systems, voice mailboxes, etc.</i>
EMS	<i>Enhanced Messaging Services. One of the mail systems which use the cellular phone, and service by which data of e-mail of the text, etc. can be transmitted and received.</i>
GPRS	<i>General Packet Radio Service. A GSM transmission technique that transmits and receives data in packets rather than setting up a continuous channel. It makes very efficient use of available radio spectrum and users pay only for volume of data sent and received.</i>
GSM	<i>Global System for Mobile communications. The name given to the advanced digital technology that your phone uses.</i>
Network Operator	<i>The organization responsible for operating a GSM network.</i>
PAP	<i>Password Authentication Protocol. A security feature in the GPRS network.</i>
Password	<i>Used for the control of Call Bar. Supplied by your service provider.</i>
PIN	<i>Personal Identification Number used for SIM security. Supplied by your service provider. If the PIN is entered incorrectly 3 times, the PIN will be blocked.</i>
PIN2	<i>Personal Identification Number used for the control of Fixed Dial Store and Call Charge metering. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked.</i>
PUK/PUK2	<i>PIN/PIN2 Unblocking Key. Used to unblock the PIN/PIN2. Supplied by your service provider. If the PUK/PUK2 is entered incorrectly 10 times, the PUK/PUK2 will be blocked.</i>
Registration	<i>The act of locking on to a GSM/GPRS network. This is usually performed automatically by your phone.</i>



Glossary of Terms



Roaming	<i>The ability to use your phone on networks other than your Home network.</i>
Service Provider	<i>The organization responsible for providing access to the GSM/GPRS network.</i>
SIM	<i>Subscriber Identity Module. A small smart-card which stores unique subscriber and user-entered information such as Phonebook and Short Messages. Supplied by your service provider.</i>
SMS	<i>Short Message Service. A basic mail system used for cellular phones. This service allows sending / receiving short text messages.</i>
WAP	<i>Wireless Application Protocol. The communication standard which enables you to download resources from the Internet to your phone.</i>



Specifications

Bands Supported	GSM 900 Class 4 GSM1800 Class 1 GSM1900 Class 1	Sound Folder	20 melodies (Predefined) + downloaded melodies
Standby Time (hrs)*	80 - 200	Picture Folder	20 pictures (Predefined) + downloaded pictures
Talk Time (hrs)*	2.5 - 4.3	Backlight Colours	1 (White)
Temperature Range		Ring Tones	Preset: 20 (Varies depending on Data Folder)
Charging	+5 °C - +35 °C	Scheduler	Up to 50 entries
Storage	-20 °C - +60 °C	Alarms	1
Weight	78 g (including battery)	Graphics Formats Supported	GIF87a, GIF89a, BMP, WBMP, PNG, WPNG, JPEG
Dimensions		Maximum Graphics Size	Main: W128 x H96 pixels (4096 CSTN colours) Sub: W80 x H48 pixels (monochrome)
Height	88 mm		
Width	60 mm		
Depth	27 mm		
Supply Voltage	660 mAh Li-ion		
Antenna	Fixed		
Charge Time**	Up to 90 Min		
SIM Type	3 V only		
Phonebook Memory	250 entries + SIM		
Animation Themes	2		
User Composed Melody	5		
Games	3		

NOTE: Specifications are subject to change without notice.

***NOTE:** Talk and Standby time depend on network conditions, SIM usage and battery condition.

****NOTE:** Charging time depends on usage and battery condition.

Personal Settings

Item	Provisioning Information Setting No.1	Provisioning Information Setting No.2	Provisioning Information Setting No.3	Provisioning Information Setting No.4	Provisioning Information Setting No.5
IP Port					
Home page					
Gateway IP					
Port (Secure / Non-Secure)					
Data connections					
Circuit Switched (GSM)					
Name					
Account					
Password					
Call type					
Phone no.					
Idle timer					
CSD Setting					
Packet Switched (GPRS)					
Name					
Account					
Password					
APN name					
Auth type Normal / Secured / None (RAP) (CHAP)					

Licencing

CP8 Patent

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OpenWave

OpenWave is a pioneer in the mobile data transfer industry, supplying voice and data revenue to the mobile communications sector.



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FCC Regulations

The radiated output power of this internal wireless radio is far below the FCC radio frequency exposure limits. Nevertheless, the wireless radio shall be used in such a manner that the radio is 1.5 cm or further from the human body. However, the user of wireless radios may be restricted in some places or situations, such as aboard airplanes. If you are unsure of restrictions, you are encouraged to ask for authorization before turning on the wireless radio. Several restrictions and cautions of using mobile phone are listed in the **Important Information**.

FCC RF EXPOSURE INFORMATION

Read this information before using your handset

In August 1996 the Federal Communication 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 0.6 inches (1.5 cm) must be maintained between the user's body and the handset, including the antenna. 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