

Panasonic

Operating Instructions Part 1 Digital Cellular Phone

X500



EB - X500
Mobile Phone

GSM

*Before operating this handset, please read these instructions (parts 1 and 2) completely.
Charge battery before operation.*

Contents

Appearance	1	Browser	57
Part Names	1	Starting the Browser	57
Keys and Symbols	2	Bookmarks	59
Icons	3	Settings	62
Getting Started	4	Camera	63
Phone Body	4	Camera Appearance	63
Battery and SIM	5	Preview mode.....	65
Basic Operation	8	Capture mode.....	70
Switching On/Off	8	Messages	71
Making a Call	9	Settings	71
Incoming call	12	Create.....	75
In-call operations.....	13	Inbox and Outbox	76
Text Entry.....	20	Chat SMS	77
Exploring the Menus	22	User messages	77
My Phone	23	Cell Broadcast.....	78
Profiles	24	Calendar	80
Sounds	25	Viewing the Calendar	80
Display	28	My Media	83
Slide settings.....	30	My Pictures.....	83
Language	31	My Animations.....	84
Auto answer	31	My Sounds	85
Shortcut key	32	Memory status	85
Menu view	33	Applications	86
Phone settings	34	Games & Apps	87
Defaults	40	Alarms	87
Contacts	41	Voice memo	88
Contacts list	42	Sound recorder.....	89
Create	45	Clock	89
Groups	47	Auto power on	90
Memory status	48	Auto power off	91
My numbers	49	Calculator	91
Service dial <input type="checkbox"/>	49	Melody composer	93
Voicemail	50	Accessory	94
Hot key dial	51	PC Software	94
My Contacts	51	Troubleshooting	95
Games & Apps	52	Important Error Messages	97
Games & Apps.....	52	Glossary of Terms	99
Settings	54	Personal Settings	101
View certificate.....	56	Index	102

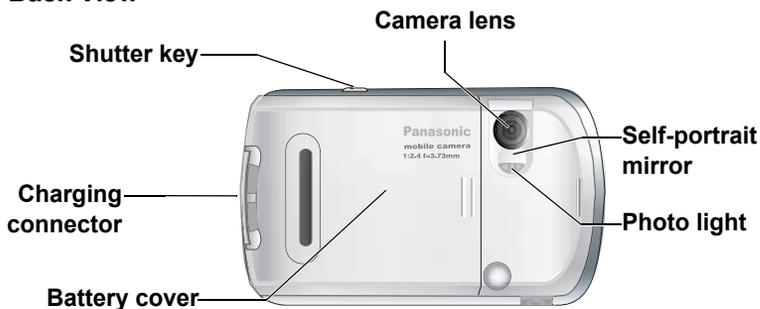
Appearance

Part Names

<Front View>



<Back View>



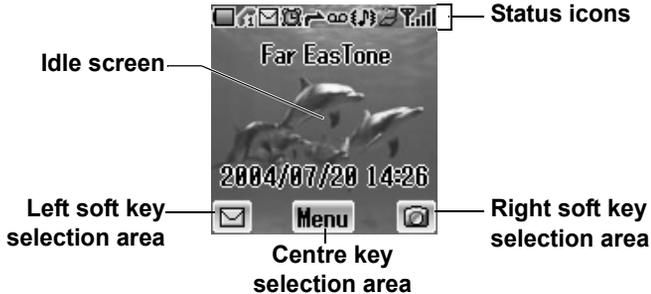
Keys and Symbols

Keys	Description
	<p>Centre key: Press in the centre of the Navigation key to select or enter the menu options.</p> <p>In idle screen: Press to enter the main menu. Press and hold to enter the Mobile lock menu.</p>
	<p>Navigation key: Move the cursor in each directions.</p> <p>In idle screen: Press $\hat{\circ}$ or φ to enter the Contacts list. Press \circ to display the Calendar. Press \circ to enter My Media menu.</p>
	<p>Left soft key: Perform the functions indicated in the lower left corner of the display.</p> <p>In idle screen: Press to enter the Messages menu.</p>
	<p>Right soft key: Perform the functions indicated in the lower right corner of the display. Mainly used to cancel or return to the previous menu level.</p> <p>In idle screen: Press to activate the function assigned to the Short press Shortcut key. Press and hold to activate the function assigned to the Long press Shortcut key.</p>
	<p>Numeric keys: Enter numbers.</p> <p>In idle screen: Press and hold to apply the appropriate Hot key dial (I - wxyz). Press and hold $\text{O} +$ to enter “+” (see “International calls” on page 11), “p” or “w” (see “DTMF Tones” on page 19).</p>
	<p>Send key: Press to answer or make a call.</p> <p>In idle screen: Press to enter Recent calls.</p>
	<p>Power/End key: End a call or return to the idle screen.</p> <p>In idle screen: Press and hold to switch the phone on or off.</p>
	<p>Asterisk/Shift key: Enter *. Shift key in text entry.</p> <p>In idle screen: Press and hold to start the Browser.</p>
	<p>Hash key: Enter #.</p> <p>In idle screen: Press and hold to activate Quiet mode.</p>
	<p>Shutter key: Turn the Camera/Video Preview mode on. Press to take a picture or record a video clip.</p>
	Indicates that the function is SIM dependent.
	Indicates that the function is Network dependent.

Icons

Status Icons

The status icons are displayed depending on the currently activated functions.



	Indicates Battery level	page 6
	On non-home network – Roaming	page 100
	Received new messages	page 74
	Media Folder is full	
	Alarms are set	page 87
	Call diverts are enabled	page 36
	Voicemail is enabled	page 50
	Ringtone is enabled	page 26
	Vibration mode	
	Vibration and Ringtone mode	
	Flashing mode	
	GPRS service is available	page 99
	Only emergency calls are available	page 9
	GSM signal strength	
	Line 1 or Line 2 is selected (<input type="checkbox"/>)	page 34
	Receiving or Sending the data through USB cable	page 94

Getting Started

Phone Body



Note: Do not touch the surface of the display when you open/close the phone body.

Opening the phone body

Slide up the upper part of the phone body slowly until it stops



Closing the phone body

Slide down the upper part of the phone body slowly until it stops



Note: If you close the phone body while operating the menu functions such as **My Phone**, **Contacts**, **Browser**, **Messages**, **My Media** or **Applications**, it returns to the idle screen. You can operate the phone with the phone body closed while you are using **Games**, **Camera** or creating a message.

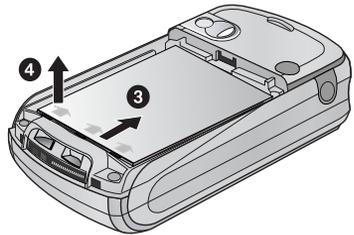
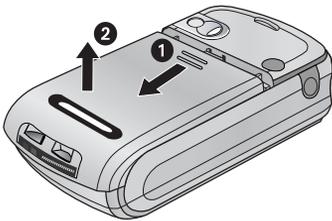
Battery and SIM

Before opening the battery cover, ensure the phone is switched off, the phone body is closed and the charger is disconnected from the phone.

Battery

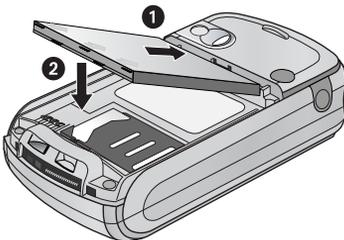
Removing the battery

1. Push the upper edge of the cover
2. Slide the battery cover down carefully (1)
3. Remove the battery cover (2)
4. Push the lower part of the battery forward (3)
5. Lift the battery to remove (4)



Attaching the battery

1. Insert the upper edge of the battery (1)
2. Push down on the lower edge of the battery carefully until it clicks (2)
3. Put the battery cover on the battery
4. Slide the cover into place (3)



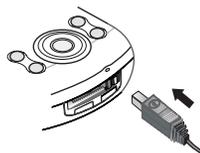
Charging the battery

It is recommended to charge the battery for a minimum of 4 hours before the first use.

Ensure the battery is correctly in place before connecting the charger.

Connecting the plug

1. Insert the plug arrow side up
2. Push the charger all the way in
3. The battery level indicator will start moving (see “Battery level indicator” below)



Note: DO NOT force the connector as this may damage the phone and/or the charger.

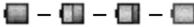
Disconnecting the plug

Pull the plug gently from the connector



Note: DO NOT pull the cable as this may damage the phone and/or the charger.

Battery level indicator

	Charging completed	While charging	Battery low
Indicator	 Green	 Green Red	 Red

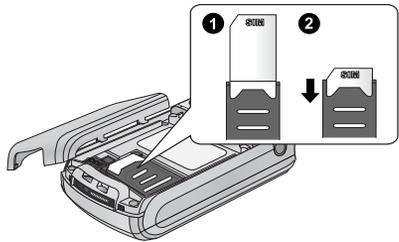
Low battery power warning

When the battery power is low, the battery indicator will be red. If the battery power is critically low, a warning tone will beep. 2 minutes after the beep, the power will automatically shut off. Plug in the charger immediately (see “Charging the battery” above). Calls can be made and received while the phone is charging.

SIM

Attaching the SIM

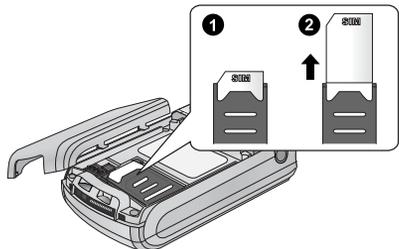
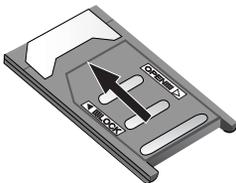
1. Remove the battery cover and the battery (see “Removing the battery” on page 5)
2. Slide the **SIM** holder to right until it clicks
3. Lift the **SIM** holder
4. Insert the **SIM** in the **SIM** holder
5. Lower the **SIM** holder
6. Slide the **SIM** holder to left until it clicks
7. Replace the battery and the battery cover



Note: Ensure the gold contacts on the **SIM** and the phone body are facing each other.

Removing the SIM

1. Remove the battery cover and the battery (see “Removing the battery” on page 5)
2. Slide the **SIM** holder to right until it clicks
3. Lift the **SIM** holder
4. Remove the **SIM**
5. Replace the **SIM** holder
6. Replace the battery and the battery cover



Basic Operation

Switching On/Off

Switching On

1. Press and hold  (Power/End) for 2 to 3 seconds
2. The start-up animation will start
3. Customisable **Greeting** will be displayed for 2 seconds (see “Greeting” on page 28)
4. The display will remain in idle screen

Switching Off

Press and hold  (Power/End) for 2 to 3 seconds

When  is displayed

1. Open the phone body
2. Press and hold  (Power/End) for 2 to 3 seconds

OR

1. Press  ()
2. Press  (OK)
3. Press and hold  (Power/End) for 2 to 3 seconds



Note: Key guard (page 30) setting affects switching off the phone.

Making a Call

The phone is switched on, the signal strength meter shows network coverage is available in the current area, and the battery has sufficient charge.

Entering numbers

You need to have the area code and the phone number before you call.

In idle screen

1. Enter the area code and phone number with 
2. The entered number is displayed
3. Press  (Send)



Ending a call

When you end a call, the duration of the call will be displayed. If **Max Cost** (see “Max cost” on page 35) is set, the remaining units will also be displayed.

While on a call

1. Press  (Power/End)
OR
Close the phone body
(see “Active slide” on page 30)
2. Duration is displayed
3. **Max Cost** is displayed (when set)

Emergency calls

In an emergency, you can make an emergency call by dialling the international emergency number 112 which is adopted by most countries. Even when **SIM** is not attached in the phone, this function is available in most networks ().

In idle screen

1. Enter 112 with 
2. Press  (Send)



Note: Making emergency calls without a **SIM** is country or network operator dependent.

Recent calls

Making a call from Recent calls list

You can select phone numbers from **Last call**, **Answered call** or **Unanswered call**. There are 50 recent numbers each in **Last call** and **Answered call** list and 20 in **Unanswered call** list.

In idle screen

1. Press  (Send) to show **Recent calls** lists
2.  move to the required list
3. Press  (Select)
4.  to the required number
5. Press  (Send)



Managing the entries in Recent calls

You can view, delete or delete all the entries in **Recent calls**.

From Recent calls menu

1.  move to the required **Recent calls** list
2. Press  (Select)
3.  move to the required entry
4. Press  (Menu)
5.  move to **View**, **Delete** or **Delete all**
6. Press  (Select)

Menu	Description
View	View the call information
Delete	Delete a number from the list
Delete all	Delete all numbers from the list

Storing Recent calls in Contacts

You can store the required entry in **Recent calls** lists in **Contacts**.

From Recent calls menu

1.  move to the required list
2. Press  (Select)
3. Press  (see "Contacts list" on page 42)

International calls

You need to have the destination country/region code, area code and the phone number before you make an international call.

In idle screen

1. Press and hold **[O+]** until “+” is displayed
2. Enter the country/region code with **[O+]** – **[9 wxyz]**
3. Enter the area code and the phone number with **[O+]** – **[9 wxyz]**
4. Press **[Send]**



Contacts list

You need to store the phone numbers in **Contacts list** before using this function (see “Create” on page 45).

In idle screen

1. Press **[d]** or **[v]** to display **Contacts list**
2. **[d]** move to the required entry
3. Press **[Send]**



Hot key dial

You need to set the **Hot key dial** before using this function (see “Hot key dial” on page 51).

In idle screen

1. Press and hold the appropriate hot key number with **[1]** – **[9 wxyz]**
2. The number will dial automatically



Service dial

Your Service Provider may have programmed some special phone numbers into your **SIM**. You may not modify these numbers.

In idle screen

1. Press  or  to display **Contacts list**
2.  move to the required **Service dial** number

OR

From idle screen

1. Press  (Menu)
2.  move to **Contacts**
3. Press  (Select)
4.  move to **Service dial**
5. Press  (Select)



Note: SDN (Service Dial Numbers) will be displayed only if **SIM** or **All** is selected in **My Contacts** (see "My Contacts" on page 51). If your operator does not offer these services, service numbers will not be displayed.

Incoming call

Answering

While the phone is ringing, press any key except  (Power/End) and  (Mute) to answer an incoming call. You can answer a call without pressing any key by opening the phone body.



Note: **Active slide** (page 30), **Key guard** (page 30) and **Phone lock** (page 37) settings will affect answering an incoming call.

Unanswered call

If calls are not answered, the number of unanswered calls will be displayed. Press  (View) to see unanswered call information.

Rejecting

While the phone is ringing, press  (Power/End) to reject the call. The number of the unanswered calls will be displayed. Press  (View) to see unanswered call information.

Auto answer

If **Auto Answer** is enabled, and the Personal **Handsfree** kit is connected, calls can be answered without pressing any keys. Any call waiting should be answered in the normal way (see “Auto answer” on page 31).

Caller's ID

If you receive an incoming call whose number is stored in **Contacts list**, the caller's name will be displayed. If the number is not stored in the **Contacts list**, only a phone number will be displayed.

In-call operations

You may use various functions while on a call.

Volume control

You can adjust the speaker volume while on a call.

While on a call

 volume up

 volume down



Accessing Contacts list

You can access the **Contacts list**, which is stored in the **SIM** or the phone, while on a call.

While on a call

1. Press  ()
2.  move to the required entry (see “Contacts” on page 41)

Messages

You can create, check or send a message while on a call.

While on a call

1. Press  (Menu)
2.  move to **Messages**
3. Press  (Select)
(see “Messages” on page 71)



Handsfree

If **Handsfree** is activated, you can hold a conversation without holding the phone to your ear.

While on a call

1. Press  (Menu)
2.  move to **Handsfree**
3. Press  (OK)
4.  move to **On** or **Off**
5. Press  (Select)

Hold

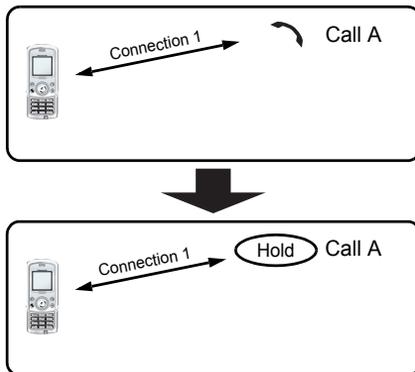
You can put a call on hold.

While on a call

1. Press  (Hold)

To resume

1. Press  (Resume)



Call waiting

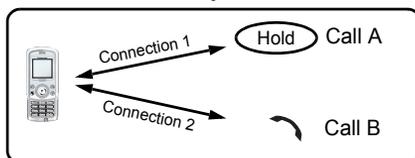
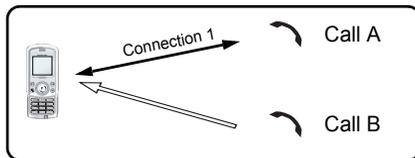
If **Call waiting** is on, you can receive another call or you can make a Multi-party call.

Hold and answer

You can place a current connection on hold and answer a new call.

While on a call

1. You hear an incoming call and the **Caller's ID** is displayed
2. Press  (Send)

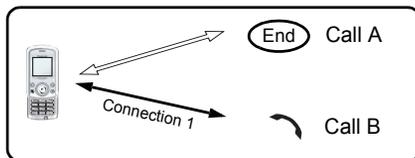
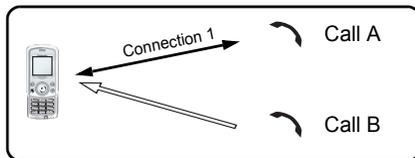


End and answer

You can end the current connection and answer a new call.

While on a call

1. You hear an incoming call and the **Caller's ID** is displayed
2. Press  (Power/End)
3. Press  (Send)

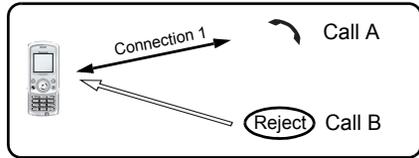
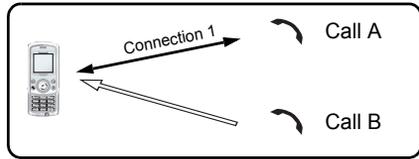


Rejecting a new call

You can reject a new call while you are on a call.

While on a call

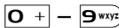
1. You hear an incoming call and the **Caller's ID** is displayed
2. Press  (Reject)

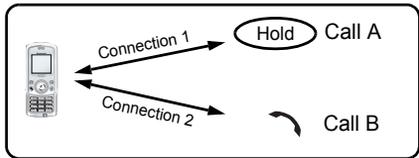


Second call

You can make another call while on a call.

While on a call

1. Press  (Hold)
2. Enter the required phone number with 
OR
Press  () and select the required number
3. Press  (Send)
The first call will be put on hold.

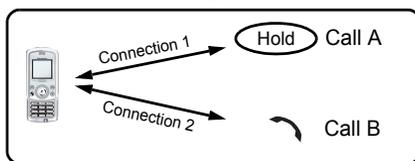
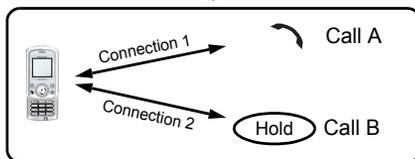
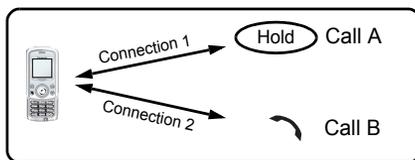


Swapping call

You can swap between 2 connections.

While on the second call

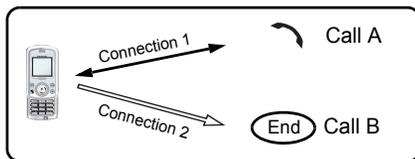
1. Press  (Resume)
2. The second call will be placed on hold and you will be returned to the first call
3. Press  (Hold)
4. The first call will be placed on hold and you will be returned to the second call



Ending one connection

While on calls

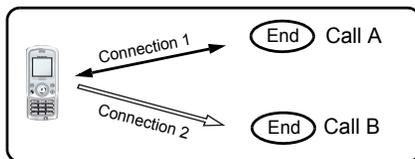
1. Press  (Menu)
2.  move to **Hang up**
3. Press  (Select)
4.  move to **Active** or **Hold**
5. Press  (Select)



Ending both connections

While on calls

Press  (End)



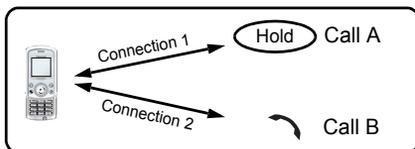
Multi-party call (Conference)

You can have up to 5 calls on a Multi-party call. You cannot have more than one Multi-party call at a time.

Making a Multi-party call

While on 2 calls, with 1 call is on hold

1. Press  (Menu)
2.  move to **Conference call**
3. Press  (Select)

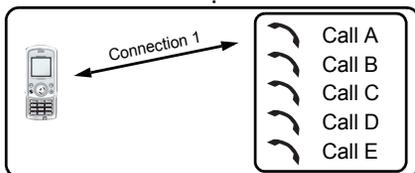
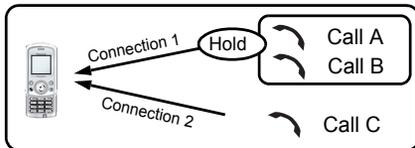
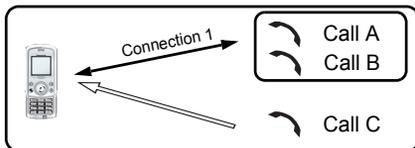


Adding more callers

You can have up to 5 calls on a Multi-party call.

While on a Multi-party call

1. Press  (Hold)
The **Conference** is placed on hold.
2. Make another call
OR
Answer an incoming call
3. Press  (Menu)
4.  move to **Conference call**
5. Press  (Select)

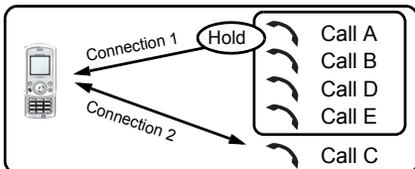
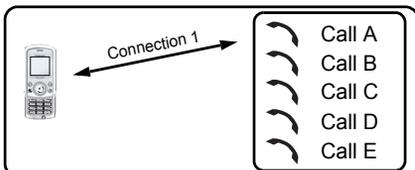


Splitting a caller

You can split a call from a Multi-party call and make it another connection.

While on a Multi-party call

1. Press  (Menu)
2.  move to **Private call**
3. Press  (Select)
4.  move a to required phone number
5. Press  (Select)
The Multi-party call is kept on hold.

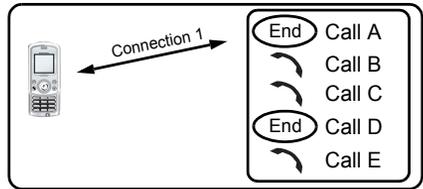


Ending a call in a Multi-party call

You can end a call in a Multi-party call one by one.

While on a Multi-party call

1. Press  (Menu)
2.  move to **Hang up**
3. Press  (Select)
4.  move to the required phone number
5. Press  (Select)

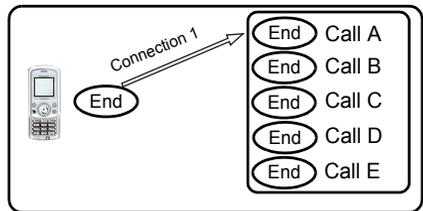


Ending a Multi-party call

You can end a Multi-party call.

While on a Multi-party call

1. Press  (End)
2. All calls will be disconnected



DTMF Tones

DTMF (Dual Tone Multi-Frequency) Tones can be sent while on a call. These are often used to access voice mail, paging and computerised home banking. For example, you may need to enter a number to remotely access voice mail messages. A phone number may be stored in **Contacts** together with a DTMF sequence, allowing the number to be dialled upon recall and the DTMF sequence to be sent automatically. You can use “**p**” to pause for a few second and “**w**” to pause and wait your response.

Text Entry

You can use alphanumeric characters to enter text. Press the appropriate key several times until a required character is displayed. If you need to use the same key for different characters, enter the first character and wait 1 second. To enter text, you can press and hold **⓪ + -** (9wxyz) and the selection will be displayed. Move to the required letter with **⊕** and press **⊙** (Select).

	Text Mode				
Key	English T9®	Normal (abc)	Greek (ΑΒΓ)	Extended (äää)	Numeric (0 – 9)
⓪ +		+ _	+ _	+ _	0
Ⓛ	., - ? ! ' @ ; / 1	. @ / : ; * # + - " , ! ; ? ; _ () [] { } ' & % \ ^ ~ < > = € £ \$ ¥ ¤ §			1
Ⓐ abc	ACB2 acb2	ABC abc	ΑΒΓ	ÄÄÄÆΕΒCÇ ääääæäbc	2
Ⓑ def	EDF3 edf3	DEF def	ΔΕΖ	DEÉF deëéf	3
Ⓒ ghi	IHG4 ihg4	GHI ghi	ΗΘΙ	GHI ghii	4
Ⓓ jkl	KLJ5 klj5	JKL jkl	ΚΑΜ	JKL jkl	5
Ⓔ mno	OMN6 omn6	MNO mno	ΝΞΟ	MNŃOŃŃŃ mnñoöðò	6
Ⓟ pqrs	SPRQ7 sprq7	PQRS pqrs	ΠΡΣ	PQRS pqrsß	7
Ⓠ tuvw	TVU8 tvu8	TUV tuv	ΤΥΦ	TUÜV tuüüv	8
Ⓡ wxyz	XWYZ9 xwyz9	WXYZ wxyz	ΧΨΩ	WXYZ wxyz	9
Ⓢ ⬅ ➡	Shift/Lock	Shift/Lock		Lock	*
# ➡	Space	Space	Space	Space	#

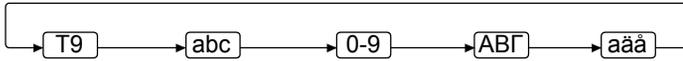
Example of Text entry

Entering “Hello!”

Mode	Key Operation/Display							
English T9®	Ⓢ ⬅ ➡	Ⓒ ghi	Ⓑ def	Ⓓ jkl	Ⓓ jkl	Ⓔ mno	Ⓛ	Ⓟ × 4
		l	He	Gel	Hell	Hello	Hello.	Hello!
Normal (abc)	Ⓢ ⬅ ➡	Ⓒ ghi	Ⓑ def	Ⓓ jkl	Ⓓ jkl	Ⓔ mno	Ⓛ	
		x 2	x 2	x 3	x 3	x 3	x 12	
		H	He	Hel	Hell	Hello	Hello!	

Text mode

You can change the text entry mode by pressing  ().



Press  once as a Shift key. The next entered character will be a capital letter.

Press  twice as a Caps Lock key. You can enter all capitals.

Normal	T9	abc	0-9	ABΓ	aää
Shift	T9↑	Abc	_____	_____	_____
Caps Lock	T9↑↑	ABC	_____	_____	ÄÄÄ

T9[®] Text Input

Using T9[®] Text Input entry 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  repeatedly until the correct word is displayed. Continue to the next word.

If the word you require is not in the internal dictionary (i.e. it is a unique noun or a rarely used word) then it should be entered using the Normal (abc) mode.

Editing Text

Pressing  will move the cursor up and down,  will move left and right. When the cursor is between two characters, you can insert a new character. To delete one character, press  once. To delete everything entered, press and hold  for 2 to 3 seconds.

Exploring the Menus



My Phone

Profiles	24
Sounds	25
Display	28
Slide settings.....	30
Language	31
Auto answer	31
Shortcut key	32
Menu view	33
Phone settings	34
Defaults	40



Contacts

Contacts list.....	42
Create	45
Groups	47
Memory status.....	48
My numbers	49
Service dial <input type="checkbox"/>	49
Voicemail.....	50
Hot key dial	51
My Contacts	51



Games & Apps

Games & Apps	52
Settings.....	54
View certificate	56



Browser

Starting the Browser	57
Bookmarks	59
Settings	62



Camera

Camera	
Appearance	63
Preview mode.....	65
Capture mode.....	70



Messages

Settings.....	71
Create.....	75
Inbox and Outbox	76
Chat SMS	77
User messages.....	77
Cell Broadcast	78



Calendar

Viewing the Calendar.....	80
---------------------------	----



My Media

My Pictures.....	83
My Animations.....	84
My Sounds	85
Memory status.....	85



Applications

Games & Apps	87
Alarms	87
Voice memo	88
Sound recorder.....	89
Clock.....	89
Auto power on	90
Auto power off	91
Calculator	91
Melody composer	93



STK (SIM Tool Kit)



Note: When **SIM** is not supporting STK (SIM Tool Kit), **Calendar** will be displayed in main menu instead of STK.

My Phone

 Profiles	page 24	Activating a profile 24 Editing a profile 24 Returning to the default setting 25 Renaming a Profile 25
 Sounds	page 25	Volume 25 Ringtone 26 Message tone 26 Slide open tone 26 Slide close tone 27 Key tone 27 Warning tone 27 Alerts 27
 Display	page 28	Wallpaper 28 Colour themes 28 Greeting 28 Operator notice 29 Backlight time 29 Key backlight 29
 Slide settings	page 30	Key guard 30 Active slide 30 Open action 30
 Language	page 31	
 Auto answer	page 31	
 Shortcut key	page 32	
 Menu view	page 33	9 launcher 33 Scroll launcher 33
 Phone settings	page 34	Call services 34 Call diverts 36 Security 37 Network 40
 Defaults	page 40	

Profiles

You can switch between 4 different profiles, each with a distinct combination of **Volume**, **Ringtone**, **Message tone**, **Slide open tone**, **Slide close tone**, **Key tone**, **Warning tone** and **Alerts**.

From **My Phone** menu

Press  (Select)



The following profiles are available:

Normal	Suitable for everyday settings
Quiet	Ringtone for formal occasions (Press and hold  , see “Hash key” on page 2)
Outdoor	For noisy environments
Meeting	For meetings

Activating a profile

From **Profiles** menu

1.  move to the required profile
2. Press  (Select)
3.  move to **Activate**
4. Press  (Select)

Editing a profile

From **Profiles** menu

1.  move to the required profile
2. Press  (Select)
3.  move to **Edit**
4. Press  (Select)
5.  move to the required setting
(see “Sounds” on page 25)

Returning to the default setting

From **Profiles** menu

1. ⌘ move to the required profile
2. Press **⌘** (Select)
3. ⌘ move to **Defaults**
4. Press **⌘** (Select)

Renaming a Profile

From **Profiles** menu

1. ⌘ move to the required profile except **Normal**
2. Press **⌘** (Select)
3. ⌘ move to **Rename**
4. Press **⌘** (Select)
5. Enter a profile name
(see “Text Entry” on page 20)
6. Press **⌘** (OK)

Sounds

You can select each sound from a preinstalled selection (shown in the figure right) or downloaded **Ringtone** in **My Sounds** (see “My Sounds” on page 85).

From **My Phone** menu

1. ⌘ move to **Sounds**
2. Press **⌘** (Select)

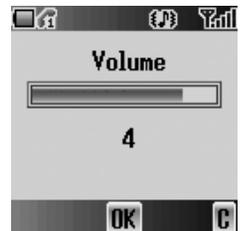


Volume

You can adjust the ringtone volume.

From **Sounds** menu

1. Press **⌘** (Select)
2. The ringtone will start to ring
3. ⌘ adjust the volume
 - ⏪ or ⏩ volume up
 - ⏩ or ⏪ volume down
4. Press **⌘** (OK)



Ringtone

You can select a **Ringtone** from the preinstalled selection or from **My Sounds**.

From **Sounds** menu

1. ⤴ move to **Ringtone**
2. Press (Select)
3. ⤴ move to **Preinstalled** or **My Sounds**
4. Press (Select)
5. ⤴ move to the required sound and sample sound will be played
6. Press (Select)



Message tone

You can select a **Message tone** from the preinstalled selection or from **My Sounds**.

From **Sounds** menu

1. ⤴ move to **Message tone**
2. Press (Select)
3. ⤴ move to **Preinstalled** or **My Sounds**
4. Press (Select)
5. ⤴ move to the required sound and sample sound will be played
6. Press (Select)



Slide open tone

You can set **Slide open tone** off or select a sound from a preinstalled selection or **My Sounds**.

From **Sounds** menu

1. ⤴ move to **Slide open tone**
2. Press (Select)
3. ⤴ move to **Preinstalled**, **My Sounds** or **Off**
4. Press (Select)
5. ⤴ move to the required sound and sample sound will be played
6. Press (Select)



Slide close tone

You can set **Slide close tone** Off or select a melody from a preinstalled selection or **My Sounds**.

From **Sounds menu**

1. ⌘ move to **Slide close tone**
2. Press **⊙** (Select)
3. ⌘ move to **Preinstalled, My Sounds** or **Off**
4. Press **⊙** (Select)
5. ⌘ move to the required sound and sample sound will be played
6. Press **⊙** (Select)



Key tone

The **Key tone** is the sound you hear when you press a key.

From **Sounds menu**

1. ⌘ move to **Key tone**
2. Press **⊙** (Select)
3. ⌘ move to **On** or **Off**
4. Press **⊙** (Select)



Warning tone

The **Warning tone** indicates a low battery.

From **Sounds menu**

1. ⌘ move to **Warning tone**
2. Press **⊙** (Select)
3. ⌘ move to **On** or **Off**
4. Press **⊙** (Select)



Alerts

You can set the type of **Alert** required.

From **Sounds menu**

1. ⌘ move to **Alerts**
2. Press **⊙** (Select)
3. ⌘ move to the required alert type
4. Press **⊙** (Select)



Display

Wallpaper

You can change the **Wallpaper** by selecting a preinstalled image or from **My Pictures** or **My Animations**.

From **Display** menu

1. Press  (Select)
2.  move to **Preinstalled, My Pictures** or **My Animations**
3. Press  (Select)
4.  move to the required image as wallpaper
5. Press  (Select)

Colour themes

You can change the **Colour themes** which affect the colour of the cursor and the background colour.

From **Display** menu

1.  move to **Colour themes**
2. Press  (Select)
3.  move to the required theme
4. Press  (Select)



Greeting

You can set your original **Greeting** which is displayed after startup animation.

From **Display** menu

1.  move to **Greeting**
2. Press  (Select)
3. Enter your original greeting
(see "Text Entry" on page 20)
4. Press  (OK)



Operator notice

Operator notice is a feature which reminds you of how to operate selected features after you leave the display idle for few minutes.

From **Display menu**

1.  move to **Operator notice**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)



Backlight time

You can set the time length of the backlight.

From **Display menu**

1.  move to **Backlight time**
2. Press  (Select)
3.  move to the required time length
4. Press  (Select)



Key backlight

You can set the **Key backlight** on or off for the numeric keys.

From **Display menu**

1.  move to **Key backlight**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)



Note: Setting **Key backlight On** might make the battery life shorter.

Slide settings

You can set the following options to activate, when opening or closing the phone body.

Key guard

Key guard is used to prevent any keys from being accidentally pressed when the body is closed.

From **Slide settings** menu

1. Press  (Select)
2.  move to **On** or **Off**
3. Press  (Select)

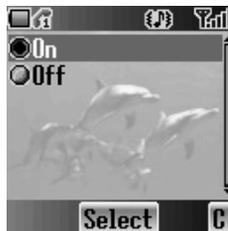


Active slide

When **Active slide** is activated, you can answer or end a call by opening and closing the phone body without pressing any keys.

From **Slide settings** menu

1.  move to **Active slide**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)



Note: The **Active slide** system employs a magnet. Keep your phone away from magnetized objects to avoid malfunction.

Open action

You can select the option to active when opening the phone body.

From **Slide settings** menu

1.  move to **Open action**
2. Press  (Select)
3.  move to the required action
4. Press  (Select)



Language

You can change the display language of the phone. If you select **Automatic**, the handset will select the SIM default language (□).

From **My Phone** menu

1. ⤴ move to **Language**
2. Press ⬤ (Select)
3. ⤴ move to the required language or **Automatic**
4. Press ⬤ (Select)



Auto answer

When you connect the Personal **Handsfree** earpiece, you can set **Auto answer** on and answer a call automatically.

From **My Phone** menu

1. ⤴ move to **Auto answer**
2. Press ⬤ (Select)
3. ⤴ move to **On** or **Off**
4. Press ⬤ (Select)



Shortcut key

You can assign two selected functions to the Right soft key and activate them by a **Short press** (press once) or a **Long press** (press and hold).

*From **My Phone** menu*

1.  move to **Shortcut key**
2. Press  (Select)
3.  move to **Short press** or **Long press**
4. Press  (Select)
5.  move to the required function
6. Press  (Select)

The following functions are available:

 Camera	 Start Browser	 Calendar
 Games & Apps	 My Media	 Calculator
 Contacts	 Alarms	 Sound recorder

Menu view

You can change the format of the menu display.

From My Phone menu

1. ⤴ move to **Menu view**
2. Press ⏏ (Select)
3. ⤴ move to the required format
4. Press ⏏ (Select)



9 launcher

In this mode, you can see the entire first level of the main menu.

In main menu

1. ⤴ move to the required menu
2. Press ⏏
OR
Press [I] – [WXYZ]



Scroll launcher

In this mode, you can scroll up/down the main menu.

In main menu

1. ⤴ move to the required menu
2. Press ⏏
OR
Press [I] – [WXYZ]



You also can see the 3 most frequently used menus in the next level by moving the Scroll launcher left.

In main menu

1. ⤴ move to the required menu
2. Press ⤴
3. ⤴ move to the required function
4. Press ⏏

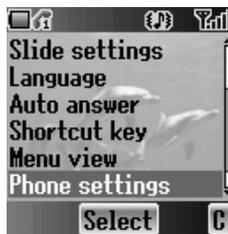


Phone settings

You can customise each phone setting.

From **My Phone** menu

1. $\hat{\phi}$ move to **Phone settings**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required settings
4. Press \odot (Select)



Call services

From **Phone settings** menu

1. $\hat{\phi}$ move to **Call services**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required setting
4. Press \odot (Select)

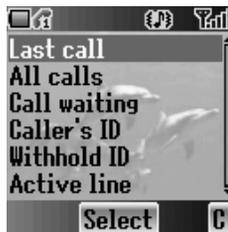


Calls $\hat{\phi}$

You can check the call status.

From **Call services** menu

1. $\hat{\phi}$ move to **Calls**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required status
4. Press \odot (Select)



Last call	You can see the duration of the last call.
All calls	You can see the total duration of all calls. You can reset the total by pressing \odot (Reset).
Call waiting	You can activate Call waiting and see the status.
Caller's ID	You can check how Caller's ID is received.
Withhold ID	You can check how your call ID is sent.
Active line	You can select a line to activate (<input type="checkbox"/>)

Service charges

You can control the cost of calls by setting the limit on the cost of calls and charge units of call time.

From **Call services menu**

1.  move to **Service charges**
2. Press  (Select)
3.  move to the required item to set
4. The current setting is displayed

You need to enter the **PIN2** code to edit the **Max cost** and **Price unit**.

Cost left	Check the cost left.
Price unit	You can set the price per unit to add up the total by pressing  (Edit).
Max cost	You can edit the Max cost by pressing  (Edit).
Call meters	Check the total cost. You can reset the total cost by pressing  (Reset).

Connections

You can see the total of the transferred data. You can reset the total of All connections data.

From **Call services menu**

1.  move to **Connections**
2. Press  (Select)
3.  move to **Last connections** or **All connections**
4. Press  (Select)



Show my number

You can select how your ID should be displayed.

From **Call services menu**

1.  move to **Show my number**
2. Press  (Select)
3.  move to the required method
4. Press  (Select)



Call diverts

You can divert calls by setting the condition according to the type of calls.

From **Phone settings** menu

1. move to **Call diverts**
2. Press (Select)
3. move to the required type of calls or **Cancel all**
4. Press (Select)
When you select **Voice calls**,
 move to the required type and press (Select).
5. move to **Status, On or Off**
6. Press (Select)
When you select **On**, enter the phone number to divert, and press (OK).



Voice calls	Voice calls will be diverted under the following conditions: Not reachable: When the phone is not in the network coverage area, all incoming voice calls will be diverted. No reply: Unanswered incoming voice calls will be diverted. Busy: When the lines are busy, all incoming voice calls will be diverted. All conditional: With above 3 conditions, all incoming voice calls will be diverted (). All voice calls: All incoming voice calls will be diverted.
Fax calls	Fax calls will be diverted.
Data calls	Data calls will be diverted.
Cancel all	No calls will be diverted.

Security

You can limit access to protect your phone, SIM, calls, information and data. You must enable the **PIN** before changing the code.

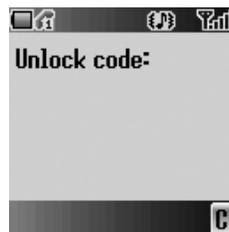


Phone lock

You can lock your phone, and you will be prompted to enter your unlock code when you switch on the phone with a different SIM inserted.

From Security menu

1. Press (Select)
2. move to **Status** or **Change mode**



Note: You are advised to write down your unlock code for yourself. If you forget your unlock code, you will need to contact your service provider to unlock the phone.

Changing the Status

From Phone lock menu

1. Press (Select)
2. move to **On** or **Off**
3. Press (Select)
4. Enter the correct 4-digit unlock code
5. Press (OK)

OR

In idle screen

1. Press and hold (Menu)
2. move to **Phone lock**
3. Press (On)
4. Enter the correct 4-digit unlock code
5. Press (OK)

Changing the Unlock code

From **Phone lock** menu

1. $\hat{\phi}$ move to **Change code**
2. Press \odot (Select)
3. Enter old unlock code
4. Press \odot (OK)
5. Enter new unlock code
6. Press \odot (OK)
7. Enter new unlock code to verify
8. Press \odot (OK)

Call bar

You can bar certain outgoing and/or incoming calls using a password supplied by your service provider. When updating/checking the **Call bar** status, the phone must be registered to a network.

From **Security** menu

1. $\hat{\phi}$ move to **Call bar**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required function
4. Press \odot (Select)



Bar voice	You can bar Voice calls and select the type from Incoming calls and/or Outgoing calls .
Bar data	You can bar Data calls and select the type from Off , International calls except home , International calls or All calls .
Cancel all	You can cancel all Call bar settings.
Change password	You can change the password.

PIN

You can protect 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** code.

Enable **PIN** to change the **PIN** code and enter **PIN** to unblock.

From **Security menu**

1. ⌘ move to **PIN**
2. Press ⌘ (Select)
3. ⌘ move to **Status** or **Change**
4. Press ⌘ (Select)



Changing the PIN code

Ensure the **PIN Status** is **On** before changing the **PIN** code.

1. Enter old **PIN** code with -
2. Press ⌘ (OK)
3. Enter new **PIN** code with -
4. Press ⌘ (OK)
5. Enter new **PIN** code to verify
6. Press ⌘ (OK)

Changing the Status

1. ⌘ move to **On** or **Off**
2. Press ⌘ (Select)
3. Enter the **PIN** code with -
4. Press ⌘ (OK)

PIN2

You cannot change the **PIN2** code without the current **PIN2** code.

From **Security menu**

1. ⌘ move to **PIN2**
2. Press ⌘ (Select)
3. Enter old **PIN2** code with -
4. Press ⌘ (OK)
5. Enter new **PIN2** code with -
6. Press ⌘ (OK)
7. Enter new **PIN2** code to verify
8. Press ⌘ (OK)



Fixed dial

The **Fixed dial** feature allows you to limit your outgoing calls to a certain set of numbers saved in FDN (Fixed Dial Numbers), which is located in your SIM. When this function is on, only FDN can be dialled, and any attempt to call other numbers will fail.

From **Security menu**

1.  move to **Fixed dial**
2. Press  (Select)
3. Enter **SIM PIN2** code with    
4. Press  (OK)
5.  move to **On** or **Off**
6. Press  (Select)



Network

You can select a **Network** that is available in your current location.

From **Phone settings menu**

1.  move to **Network**
2. Press  (Select)
3.  move to **New network** or **Search mode**
4. Press  (Select)



New network	You can find a New network from the list.
Search mode	You can select an available network by Manual or Automatic .

Defaults

You can return all personal settings of **My Phone** to the factory default settings.

From **My Phone menu**

1.  move to **Defaults**
2. Press  (Select)
3. Press  (Select)



Contacts

 Contacts list	page 42	<ul style="list-style-type: none">Viewing the Contacts list 42Viewing the entries in the Contacts list..... 42Editing the Contacts list..... 43Making a call using the Contacts list 43Sending messages from the Contacts list..... 44Deleting an entry from the Contacts list 44Copying an entry to the other Contacts list 44
 Create	page 45	<ul style="list-style-type: none">Creating a new entry 45
 Groups	page 47	<ul style="list-style-type: none">Viewing the Group..... 47Editing the Group 47
 Memory status	page 48	<ul style="list-style-type: none">Copying all entries to the other Contacts list ... 48
 My numbers	page 49	<ul style="list-style-type: none">Viewing My numbers 49Editing My numbers..... 49
 Voicemail	page 50	<ul style="list-style-type: none">Viewing Voicemail 50Editing Voicemail 50
 Hot key dial	page 51	<ul style="list-style-type: none">Assigning Hot keys..... 51Viewing Hot key dial list..... 51
 My Contacts	page 51	

You can store phone numbers in two locations: the **SIM Contacts list** and the **Phone Contacts list**.



Note: See “Text Entry” on page 20 for information on entering text.

Contacts list

You can browse the **SIM Contacts list** and the **Phone Contacts list** individually, or both **Contacts list** together.

Viewing the Contacts list

From **Contacts menu**

1. Press **⊙** (Select)
2. **⬅** move to the required entry
OR
Press the numeric key which contains the first letter of the required name



Located in **Phone Contacts list**

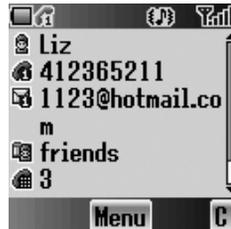


Located in **SIM Contacts list**

Viewing the entries in the Contacts list

From **Contacts list menu**

1. **⬅** move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press **⊙** (Menu)
3. Press **⊙** (Select)



Editing the Contacts list

From **Contacts list** menu

1.  move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press  (Menu)
3.  move to **Edit**
4. Press  (Select)
5.  move to the required item
6. Press  (Edit)
7. Edit an entry item
8. Press  (OK)
9. Press  (Save)



Note: You can enter **Name**, **Tel number 1** and **Location No.** only for the **SIM Contacts list**.

Making a call using the Contacts list

From **Contacts list** menu

1.  move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press  (Send)

From **Contacts list** menu

1.  move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press  (Menu)
3.  move to **Call**
4. Press  (Select)

Sending messages from the Contacts list

You can send messages via the **Contacts list** (see “Messages” on page 71).

From Contacts list menu

1. $\hat{\phi}$ move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press \odot (Menu)
3. $\hat{\phi}$ move to **Create MMS** or **Create SMS/EMS**
4. Press \odot (Select)
5. $\hat{\phi}$ move to the required item
6. Press \odot (Select)
7. Press \ominus (Done)
Follow the steps in **Messages** (see “Messages” on page 71).

Deleting an entry from the Contacts list

From Contacts list menu

1. $\hat{\phi}$ move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press \odot (Menu)
3. $\hat{\phi}$ move to **Delete**
4. Press \odot (Select)
5. Press \odot (Yes)

Copying an entry to the other Contacts list

From Contacts list menu

1. $\hat{\phi}$ move to the required entry
OR
Press the numeric key which contains the first letter of the required name
2. Press \odot (Menu)
3. $\hat{\phi}$ move to **Copy**
4. “Copy (entry name) to (SIM or Phone)?” is displayed
5. Press \odot (Yes)

Create

SIM Contacts list: You can store Name, Tel number and Location No.

Phone Contacts list: You can store Name, 3 Tel numbers, 2 E-mail addresses, Ringtone type, Group, Hot key dial, Photo, Note and Location No.

Creating a new entry

*From **Contacts** menu*

1. ϕ move to **Create**
2. Press \bullet (Select)
3. ϕ move to **SIM** or **Phone**
4. Press \bullet (Select)
5. ϕ move to the required item
6. Press \bullet (Edit)
7. Edit the entry item
8. Press \bullet (OK)
9. Press \ominus (Save)



*From **Contacts list** menu*

1. Press \bullet (Menu)
2. ϕ move to **Create**
3. Press \bullet (Select)
4. ϕ move to **SIM** or **Phone**
5. Press \bullet (Select)
6. ϕ move to the required item
7. Press \bullet (Edit)
8. Edit the entry item
9. Press \bullet (OK)
10. Press \ominus (Save)

*From **Contacts list** menu*

1. Ⓞ move to **[New entry]**
2. Press Ⓞ (Select)
3. Ⓞ move to **SIM** or **Phone**
4. Press Ⓞ (Select)
5. Ⓞ move to the required item
6. Press Ⓞ (Edit)
7. Edit the entry item
8. Press Ⓞ (OK)
9. Press Ⓞ (Save)



The following entry items are available:

Icon	Item	Icon	Item
	Name		Hot key dial
	Tel number 1 – 3		Photo
	E-mail address 1, 2		Note
	Ringtone		Location in Phone Contacts list
	Groups		Location in SIM Contacts list

Groups

You can categorise the phone Contacts entries into 10 groups. You can name, select a particular ringtone and insert a photo as an icon for each group to identify incoming calls. This function is available with **Phone Contacts list** only.

Viewing the Group

From **Contacts** menu

1. $\hat{=}$ move to **Groups**
2. Press \bullet (Select)
3. $\hat{=}$ move to the required group
4. Press \bullet (Menu)
5. $\hat{=}$ move to **View**
6. Press \bullet (Select)



Editing the Group

You can change the name of the group, ringtone, photo and reset the group setting to the default.

From **Groups** menu

1. $\hat{=}$ move to the required group
2. Press \bullet (Menu)
3. $\hat{=}$ move to **Edit**
4. Press \bullet (Select)
5. $\hat{=}$ move to the required item
To reset the group setting, select **Defaults**.
6. Press \bullet (Change)
7. Edit a group setting
8. Press \ominus (Save)



Memory status

Memory status shows how many locations are available in each **Contacts list**. You can copy entries the other **Contacts list**.

*From **Contacts** menu*

1. $\hat{\phi}$ move to **Memory status**
2. Press \odot (Select)
3. 2 bars indicating **Contacts list** memory status are displayed
(in use location(s)/maximum locations)



Copying all entries to the other Contacts list

*While displaying the **Memory status***

1. Press \odot (Menu)
2. $\hat{\phi}$ move to the required action
3. Press \odot (Select)
4. Press \odot (Yes)



Note: Original entries will not be deleted from the **Contacts list**.

My numbers

You can store and view your information such as your names and phone numbers in your **SIM**.

Viewing My numbers

From **Contacts** menu

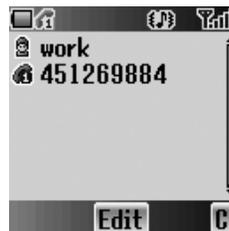
1. ϕ move to **My numbers**
2. Press \bullet (Select)
3. ϕ move to **Line 1** or **Line 2**
4. Press \bullet (Menu)
5. ϕ move to **View**
6. Press \bullet (Select)
To edit the entry press \bullet (Edit).



Editing My numbers

From **My numbers** menu

1. ϕ move to **Line 1** or **Line 2**
2. Press \bullet (Menu)
3. ϕ move to **Edit**
4. Press \bullet (Select)
5. ϕ move to **Name** or **Tel number 1**
6. Press \bullet (Edit)
7. Enter the required name or number
8. Press \bullet (OK)
9. Press \ominus (Save)



Service dial

See "Service dial

Voicemail

You can store the phone number to your **Voicemail** and make a call to check if you have **Voicemail**.

Viewing Voicemail

From **Contacts** menu

1. $\hat{\phi}$ move to **Voicemail**
2. Press \odot (Select)
3. Press \odot (Menu)
4. $\hat{\phi}$ move to **View**
5. Press \odot (Select)
To edit the entry press \odot (Edit).



Editing Voicemail

From **Voicemail** menu

1. Press \odot (Menu)
2. $\hat{\phi}$ move to **Edit**
3. Press \odot (Select)
4. $\hat{\phi}$ move to **Name** or **Tel number 1**
5. Press \odot (Edit)
6. Enter the required name or number
7. Press \odot (OK)
8. Press \ominus (Save)



Hot key dial

You can quickly dial the numbers which are assigned to each numeric key  –  (see “Hot key dial” on page 11). This function is available with **Phone Contacts list** only.

Assigning Hot keys

While editing the **Contacts list** entry

1.  move to **<Hot key dial>**
2. Press  (Edit)
3. Enter the required number  – 
4. Press  (OK)



Note: To clear the **Hot key dial** assignment of an entry, enter  instead of the entry's original **Hot key dial** number, and press  (OK).

Viewing Hot key dial list

From **Contacts menu**

1.  move to **<Hot key dial>**
2. Press  (Select)
3. The **Hot key dial** list is displayed



My Contacts

You can select from **All**, **SIM** or **Phone** to display the entries in the **Contacts list** entries.

From **Contacts menu**

1.  move to **My Contacts**
2. Press  (Select)
3.  move to **All**, **SIM** or **Phone**
4. Press  (Select)



Games & Apps

 Games & Apps	page 52	Playing a Java™ game 52 Aborting or Exiting from a Java™ game 53 Viewing Details 53 Changing a Permission setting 53
--	---------	---

 Settings	page 54	Volume 54 Backlight time 54 Vibration 54 Access point 55
--	---------	---

 View certificate	page 56	
--	---------	--

Games & Apps

You can play preinstalled Java™ games and also downloaded Java™ games.

Playing a Java™ game

From **Games & Apps** menu

1. Press  (Select)
2.  move to the required Java™ game
3. Press  (Select)
4. Your phone starts to load the Java™ game application



Note: Most Java™ games include instructions.

Aborting or Exiting from a Java™ game

While in a Java™ game

1. Press ⏹ (End)
2. ⏪ move to the required function
3. Press ⏵ (Select)

Suspend	Suspend the game and continue the game the next time when you select Games & Apps .
Terminate	Abort the game.
Cancel	Return to the game.

Viewing Details

From **Games & Apps** menu

1. ⏪ move to the required Java™ game
2. Press ☰ (Menu)
3. ⏪ move to **Details**
4. Press ⏵ (Select)

Changing a Permission setting

From **Games & Apps** menu

1. ⏪ move to the required Java™ game
2. Press ☰ (Menu)
3. ⏪ move to **Permission**
4. Press ⏵ (Select)
5. ⏪ move to **Net access** or **Messaging**
If you want to reset the permission setting, select **Defaults**.
6. Press ⏵ (Select)
7. ⏪ move to the required setting

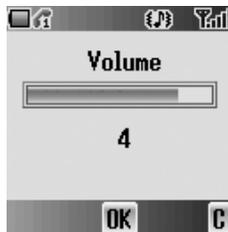
Always ask	Your phone always asks your permission to access the network.
Ask once	Your phone always asks your permission once at the beginning of on-line connection.
Always deny	Your phone never allows on-line connection.

Settings

Volume

From **Settings** menu

1. Press  (Select)
2.  to adjust the volume level
 or  volume up
 or  volume down
3. Press  (OK)



Note: **Personal Handsfree** does not support Java™ games.

When playing Java™ games the sound will only be heard from the phone's speaker not from the **Personal Handsfree** if connected.

Backlight time

From **Settings** menu

1.  move to **Backlight time**
2. Press  (Select)
3.  move to **On, 30 seconds** or **Off**
4. Press  (Select)



Note: Setting **Backlight time On** might make the battery life shorter.

Vibration

From **Settings** menu

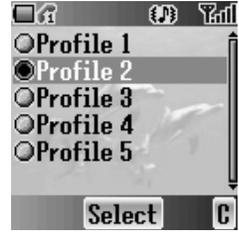
1.  move to **Vibration**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)



Access point

From **Settings** menu

1. move to **Access point**
2. Press (Select)
3. move to the required network
4. Press (Select)
5. move to **Set as default** or **Edit**
If you want to set the selected network as a default network, select **Set as default**.
6. Press (Select)



Editing a network setting

From **Access point** menu

1. move to the required network
2. Press (Select)
3. move to **Edit**
4. Press (Select)
5. move to **Rename** or **Connection**
6. Press (Select)

Editing GPRS Connection

From **Connection** menu

1. move to **GPRS**
2. Press (Select)
3. Press (Select) to **Edit**
 - Login name, Password, GPRS APN, Authentication



Editing CSD Connection

From **Connection** menu

1. move to **CSD**
2. Press (Select)
3. Press (Select) to **Edit**
 - Login name, Password, Dial number, Call type, Transfer rate



View certificate

From Games & Apps menu

1.  move to **View certificate**
2. Press  (Select)
3.  move to the required certificate
4. Press  (Select)



 Starting the Browser	page 57	Navigating contents57 Using the Browser58
 Bookmarks	page 59	Managing Bookmarks in Browser59 Managing off-line Bookmarks60
 Settings	page 62	

You can access Internet services supported by the network, such as news, weather reports and sport.

Starting the Browser

From **Browser** menu

1. Press  (Select)
2. The WAP browser will start to connect to the network
To exit the browser, press .



Note: If the server is not responding, press  (Retry) or try again later.

Navigating contents

Use  to scroll through the contents on the screen. When linked text is highlighted, press  () to load the page.

	Scroll up Page up with Long press
	Scroll down Page down with Long press
	Scroll up Return to the previous object
	Scroll down Return to the next object

Using the Browser

While browsing the homepage

1. Press  (Menu) or  (Send)
2.  move to **Browser Menu**
To exit the browser, select **Done**
OR
Press  (Power/End) or  (**C**)
3. Press  ()



Menu	Description
Back	Return to the previous page.
Go To URL	Enter URL and jump to the homepage.
Home	Jump to the homepage which is pre-defined in the browser settings.
Inbox	Store, view or delete WAP push messages from the network. Jump to the home page.
Bookmarks	Jump to the page by setting a bookmark or bookmark the current page. (see "Managing Bookmarks in Browser" on page 59)
Save Items	To save images or other items from the current page.
Snapshots	Capture the screen image of the current page and view or delete it.
Reload	Reload and update the current page.
Settings	Select and set the following: Homepage Downloads Restart Browser Security
About...	Information about the browser type and security options

Bookmarks

Once you store your favourite page or a frequently accessed page as a bookmark, you can jump to the page quickly. It is not necessary to enter the URL every time. Also you can assign the hot keys to jump to the page. There are 2 types of bookmarks, one in **Browser** and the other is off-line **Bookmarks**.

Managing Bookmarks in Browser

You can add a bookmark by entering the **URL**.

*From **Browser Menu** in **Browser***

1.  move to **Bookmarks**
2. Press  (✓)
3. Press  (Menu)
4. Press  (✓)
5. Enter the Title and URL with  + 
6. Select a folder
7. Press  (Save)



Adding a current page as a bookmark

*From **Browser Menu** in **Browser***

1.  move to **Bookmarks**
2. Press  (✓)
3. Press  (✓) to **Mark Site**

Using Bookmarks

*From **Browser Menu** in **Browser***

1.  move to **Bookmarks**
2. Press  (✓)
3.  move to the required bookmark
4. Press  (Go)

Managing Bookmarks in Browser

While viewing **Bookmarks**

1. ⤴ move to the required bookmark
2. Press ☰ (Menu)
3. ⤴ move to the required function
4. Press ⦿ (☑)

The following functions are available:

Details	Display and edit the bookmark information
Delete	Delete the bookmark
New Bookmark	Add a new bookmark
New Folder	Add a new folder in which to save the bookmarks
Move	Move a bookmark in a folder
Move to folder	Move a bookmark into another folder
Delete all	Delete all bookmarks
Hotkeys	Assign bookmarks to keys

Managing off-line Bookmarks

You can store bookmarks in off-line **Bookmarks**. When you jump to the URL, the **Browser** will start up automatically.

Adding a new bookmark

From **Browser** menu

1. ⤴ move to **Bookmarks**
2. Press ⦿ (Select)
3. ⤴ move to **[New entry]**
4. Press ⦿ (Select)
5. ⤴ move to **Title:** or **URL:**
6. Press ⦿ (Select)
7. Enter the required **Title:** or **URL:**
8. Press ⦿ (OK)
9. Press ☰ (Save)



Managing Bookmarks in off-line Bookmarks

From **Browser** menu

1. ϕ move to **Bookmarks**
2. Press \odot (Select)
3. ϕ move to the required bookmark
4. Press \odot (Menu)
5. ϕ move to the required function
6. Press \odot (Select)



The following functions are available:

Select	Jump to the selected bookmark site.
Edit	Edit the Title and URL.
Delete	Delete the bookmark.
Delete all	Delete all bookmarks.

Settings

Before accessing the Internet services, you need to set up a subscription with your network operator or Internet Service Provider (ISP) to enable the relevant configuration information. If you have any trouble with your network settings, please contact your network service provider.



Note: Modifying default settings may cause failure of the **Browser**. See “Personal Settings” on page 101, for your details.

From **Browser** menu

1. ⌘ move to **Settings**
2. Press  (Select)
3. ⌘ move to the required network
4. Press  (Select)
5. ⌘ move to **Activate** or **Edit**
To activate the selected network, select **Activate**.
To edit the network settings, select **Edit**.
6. Press  (Select)
7. ⌘ move to the required setting
8. Press  (Select)

You can edit the following settings:

- **Server name**
- **Primary IP**
- **Primary port**
- **Secondary IP**
- **Secondary port**
- **Linger time**
- **Homepage**
- **Connection**

To edit the connection, see “Access point” on page 55.

 Camera Appearance	page 63	Key functions 64 Status icons 65
 Preview mode	page 65	Launch the Camera/Video Preview mode 65 Operating the Camera 66 Options 66
 Capture mode	page 70	

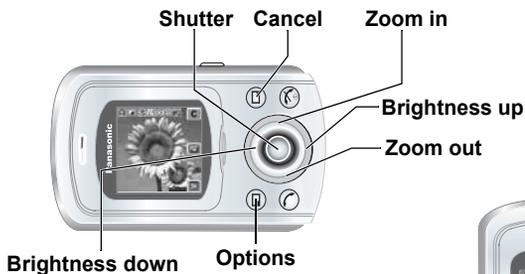
Camera Appearance



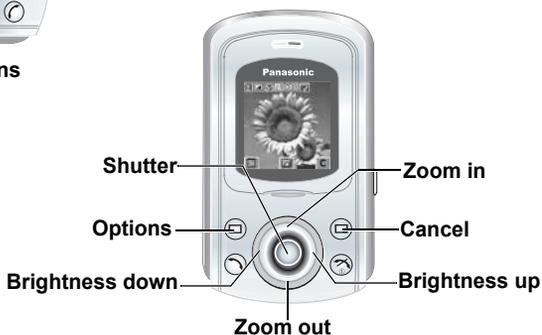
Key functions

Key	Function
⬆	Zoom in
⬇	Zoom out
⬆	Brightness up
⬇	Brightness down
⊙	Shutter/Options (Capture mode)
📷	Shutter
📷	Options/Save
📷	Cancel to delete a captured image
📷	Exit the camera mode

Landscape



Portrait



Note: To change between landscape and portrait see “Change Style” on page 69. The Navigation key functions will rotate accordingly.

Status icons

	Change mode
	Quality
	Close up mode
	Brightness
	Zoom is not available in Video mode nor VGA mode. For Change mode , see page 66
	Twilight mode

Preview mode

Launch the Camera/Video Preview mode

- In idle screen, press  (if **Camera** is selected as **Shortcut key**)
- From main menu, press  **Camera**
- Press and hold the shutter key (if **Key guard** or **Phone lock** is off)



Note: The quality of display images may vary depending on the object or environment.



Note: Displayed images may distort when shooting moving objects especially in a fast moving environment.

Operating the Camera

Brightness

In Preview mode

- Brightness up
- Brightness down

Zoom

In Preview mode

- ◊ Zoom in
- ◊ Zoom out

Taking a picture/Recording a video clip

In Preview mode

Press  (Shutter) or the shutter key to take a picture or start recording video

Press  (Shutter) or the shutter key again to stop recording video



Note: See “Change mode” below for changing the camera mode and video mode.

Options

In Preview mode

1. Press  ()
The option menu is displayed.
2. ◊ move to the required function
3. Press  (Select)



Change mode

If you select **Video size**, the Video Preview mode will be launched.

From options menu

1. Press  (Select)
2. ◊ move to the required size
3. Press  (Select)
The following image modes are available:
 - Video size (128 × 128 pixels)
 - VGA (640 × 480 pixels, not available with **Portrait**)
 - QVGA (320 × 240 pixels)
 - QQVGA (160 × 120 pixels)
 - Wallpaper size (128 × 128 pixels)

Photo light

You can turn the **Photo light** on when taking a picture or recording a video clip in dark conditions.

From options menu

1.  move to **Photo light**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)

Close up mode

You need to turn the **Close up mode** on when taking a picture or recording a video clip at a close range.

From options menu

1.  move to **Close up mode**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)

Twilight mode

You can turn the **Twilight mode** on when taking a picture in low light conditions.

From options menu

1.  move to **Twilight mode**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)

Quality

You can choose the image quality of your picture. This function is available only for the camera mode.

From options menu

1.  move to **Quality**
2. Press  (Select)
3.  move to **Fine**, **Normal** or **Economy**
4. Press  (Select)

Effect

You can enjoy various effects on your picture or video.

From options menu

1. $\hat{\phi}$ move to **Effect**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required effect
4. Press \odot (Select)

The following effects are available:

- **Normal**
- **Sunset**
- **Monochrome**
- **Inverse**
- **Emboss**
- **Cold**

Frames

If you set a frame and take a picture, the picture will be decorated with fancy preinstalled frames. This function is available only when **QQVGA** or **Wallpaper** is selected in **Change mode**.

From options menu

1. $\hat{\phi}$ move to **Frames**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required frame
4. Press \odot (Select)

The following frames are available:

- **Normal**
- **Dreamy**
- **60s**
- **Experimental**
- **Love**
- **Noise**



Self timer

Self timer automatically takes a picture after a 10 second delay. After pressing the shutter, a series of clicks will begin. The picture will be taken when you hear the shutter sound.

From options menu

1.  move to **Self timer**
2. Press  (Select)
3.  move to **On** or **Off**
4. Press  (Select)

Change style

You can select the preview mode style.

From options menu

1.  move to **Change style**
2. Press  (Select)
3.  move to **Landscape** or **Portrait**
4. Press  (Select)

Shutter sound

You can change the sound of the shutter.

From options menu

1.  move to **Shutter sound**
2. Press  (Select)
3.  move to the required sound
4. Press  (Select)

Anti flicker

If the display flickers, you can change **Anti flicker** to **50Hz** or **60Hz**. Choosing **50Hz** or **60Hz** is country dependent.

From options menu

1.  move to **Anti flicker**
2. Press  (Select)
3.  move to **50Hz** or **60Hz**
4. Press  (Select)



Note: When taking a picture, flicker may appear in certain environments.

Exit

Use to **Exit** the camera mode. You can also **Exit** by pressing  (Power/End) anytime.

Capture mode

When you press the shutter, all images are saved in **My Pictures** or **My Animations** (see “My Media” on page 83). You can confirm and control the image/video before you save it.

In Capture mode

1. Press  ()
2.  move to the required function
3. Press  (Select)

The following functions are available for a picture:

- **Create MMS**
- **Set as wallpaper**
- **Set as caller ID**
- **Set as group ID**
- **Rotation (not available with VGA mode)**
- **Effect**
- **Frames**
- **Rename**
- **Properties**
- **Delete**



Note: Press  to rotate.  rotate the picture in clockwise,  rotate in counterclockwise.

The following functions are available for a video:

- **Play**
- **Set as wallpaper**
- **Set as caller ID**
- **Set as group ID**
- **Rename**
- **Properties**
- **Delete**

Messages

 Settings	page 71	MMS settings72 SMS/EMS settings73 Receiving messages.....74
 Create	page 75	
 Inbox and Outbox	page 76	
 Chat SMS	page 77	
 User messages	page 77	
 Cell Broadcast	page 78	Receiving Cell Broadcast messages78 Reading Cell Broadcast messages.....78 Topic list78 Languages79

Your phone has various messaging features, including **SMS/EMS** and **MMS**. You need to customise the settings of **Messages** and **Network** before you start.

SMS/EMS – You can send short text messages with media attached to phone numbers whose network support **SMS/EMS**.

MMS – You can send media attached messages to phone numbers whose network support **MMS** or E-mail address.

Settings

From **Messages** menu

1.  move to **Settings**
2. Press  (Select)
3.  move to **MMS** or **SMS/EMS**
4. Press  (Select)

MMS settings

Server list

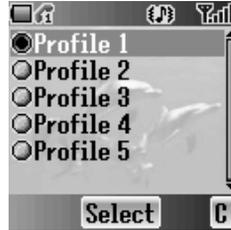
You can configure up to 5 server profiles.

From **Settings** menu

1. Press  (Select)
2. Press  (Select)
3.  move to the required network
4. Press  (Select)
5.  move to **Activate** or **Edit**
6. Press  (Select)
To activate the selected network, select **Activate**.
To edit the network settings, select **Edit**.
7.  move to the required setting
8. Press  (Select)

You can edit the following settings:

- **Server name**
- **Primary IP**
- **Primary port**
- **Secondary IP**
- **Secondary port**
- **Linger time**
- **MMS centre**
- **Connection**



Other settings for MMS

Signature	You can set a signature to add to your message.
Reply text	You can select On or Off to add the reply text to the messages.
Receive setting	You can select, accept or reject anonymous messages.
Auto reception	You can select On , Off or Interactive .
Mail settings	Validity period: Set the duration that your message is stored at the message centre. Select Maximum or Manual . Delivery report: Request a report on the delivery status of your message. Select On or Off . Sender visibility: Select Show or Hide your address to the recipient.
Restore settings	Reset the MMS settings to the factory default settings.

SMS/EMS settings

You can change the following settings:

Validity period	You can select from Defaults , 1 hour , 12 hours , 1 day , 1 week or Maximum .
Message centre	You can change the server's service number.
Protocol	You can select the type of protocol from SMS , Fax , Email , Paging , X.400 , ERMES or Voice .
Delivery report	You can select from On , Off or Ask .

Receiving messages

When a text message is received, **New Message(s)!** will be displayed and the message indicator (✉) will be displayed in the upper left corner of the display and you will hear a message tone (see “Message tone” on page 26).



Note: Please be sure to keep enough free memory for new messages.

When the phone memory is full, (✉) will be displayed in the upper left of the display. Delete unnecessary messages from the **Inbox** or **Outbox**.

Reading received messages

When **New Message(s)!** is displayed, press ⏻ (Read). If you have more than 1 message, use ⏪ to move to the required message.

If you press other keys without reading new messages, the idle screen will be displayed. To read new received messages, press ⏻ (✉) and check the **Inbox**.

The following functions are available for received messages:

Reply	Create a reply message to the sender.
Call	Call back to the sender.
Forward	Forward the selected message.
Chat	Send a chat message to the sender. (SMS only)
Extract number	Save the sender's phone number in Contacts list .
Delete	Delete the message.
Delete all	Delete all messages in Inbox .
Extract media	Save the attached image in My Media .
Move to SIM	Move the message to the SIM memory. ⏻ (SMS only)
Message info	View information about the message.

Create

From **Messages** menu

1. Press  (Select)
2.  move to **MMS** or **SMS/EMS**
3. Press  (Select)
4. Enter message (see “Text Entry” on page 20)
5. Press  (Menu)

The following functions are available:

OK	When you are ready to send a message, select OK .
Add slide	Add new slide after the last slide. (MMS only)
Insert slide	Insert slide between slides. (MMS only)
Insert media	Insert media from My Pictures , My Animations or My Sounds .
Previous/Next slide	Move to the previous or next slide.
User msg.	Select pre-defined sentences and insert in the message.
Add signature	Add signature to the message.
View	View and confirm the message before sending. (MMS only)
Delete slide/ picture/animation/ sound	Delete the current displayed slide, picture, animation or sound.
Set timer	Set a time and delay for sending (maximum 60 seconds) the message. (MMS only)
Select	Select text to be copied or cut.
Copy	Selected text is copied into text memory.
Cut	Selected text is deleted and stored in text memory.
Paste	Insert the copied or cut text from the text memory.

When you are ready to send a message, you need to edit the following items:

To:	Enter receiver's phone number for SMS/EMS , phone number or email address for MMS .
Cc:	Send carbon copied message to other receivers.
Bcc:	Send carbon copied message to other receivers and hide that information.
Subj:	Enter a title for this message.

6. Press  (Menu)
7.  move to **Send** or **Save**
To send the message immediately, move to **Send** and press  (Select).
To save the message in Draft folder, move to **Save** and press  (Select).
8. Press  (OK)

Inbox and Outbox

You can store received messages in the **Inbox** and sent messages in the **Outbox**.

From **Messages** menu

1.  move to **Inbox** or **Outbox**
2. Press  (Select)

The following folders are available in **Outbox**:

Draft	Save messages which are not ready for sending or template messages.
Unsent	Messages which failed to send.
Sent	Successfully sent messages.

Chat SMS

The **Chat SMS** feature enables you to read sent and received messages on one screen while in the chat mode with another party.

From **Messages menu**

1. Ⓜ move to **Chat SMS**
2. Press Ⓜ (Select)
3. Ⓜ move to **Start chat**

To check the history, select **History** and press Ⓜ (Select).

To clear the history, select **Clear history** and press Ⓜ (Select).

4. Press Ⓜ (Select)
5. Enter your nickname (up to 10 characters)
6. Press Ⓜ (OK)

Then you can start chatting with the other party, providing he/she has the **Chat SMS** facility on his/her phone.

7. Enter your message
8. Press Ⓜ (OK)
9. Ⓜ move to **Phone number** or **Contacts**
10. Press Ⓜ (Select)
11. Enter or select a destination phone number
12. Press Ⓜ (OK)

Your phone sends the message.

When receiving a message from the other party in chat mode, the text will be displayed automatically above the last message.

13. Press Ⓜ (OK) to continue the chat



User messages

You can add your original text in **User messages**.

From **Messages menu**

1. Ⓜ move to **User messages**
2. Press Ⓜ (Select)
3. Ⓜ move to **[New user msg]**
4. Press Ⓜ (Select)
5. Enter text (see "Text Entry" on page 20)
6. Press Ⓜ (OK)



Cell Broadcast

You can receive your favourite information regularly from your service provider.

From **Messages** menu

1. Ⓜ move to **Cell Broadcast**
2. Press Ⓞ (Select)

Receiving Cell Broadcast messages

From **Cell Broadcast** menu

1. Ⓜ move to **Receive**
2. Press Ⓞ (Select)
3. Ⓜ move to **On** or **Off**
4. Press Ⓞ (Select)

Reading Cell Broadcast messages

From **Cell Broadcast** menu

1. Ⓜ move to **Latest messages**
2. Press Ⓞ (Select)
3. Ⓜ move to the required message
4. Press Ⓞ (Read)

Topic list

Managing a topic

From **Cell Broadcast** menu

1. Ⓜ move to **Topic list**
2. Press Ⓞ (Select)
3. Ⓜ move to the required topic
4. Press Ⓞ (Menu)
5. Ⓜ move to the required function
6. Press Ⓞ (Select)

The following **Predefined topics** are available:

- **Index**
- **Flashes**
- **Hospitals**
- **Doctors**
- **Pharmacy**
- **Road reports (Distance)**



- Road reports (Local)
- Taxis
- Weather
- District
- Network information
- Operator services
- Directory enquiries (National)
- Directory enquiries (International)
- Customer care (National)
- Customer care (International)

Adding a new topic

From **Cell Broadcast menu**

1. $\hat{\phi}$ move to **Topic list**
2. Press \odot (Select)
3. Press \odot (Menu)
OR
 $\hat{\phi}$ move to **[New channel]** and press \odot (Menu)
4. Press \odot (Select) to **Insert**
5. $\hat{\phi}$ move to **Predefined topics** or **Manual**
6. Press \odot (Change)
7. To select from **Predefined topics**,
 $\hat{\phi}$ move to the required topics
OR
To enter **Channel no:** manually,
Enter **Channel no:**
8. Press \odot (Select)

Languages

You can select the language of the message you receive.

From **Cell Broadcast menu**

1. $\hat{\phi}$ move to **Languages**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required language set
4. Press \odot (Change)
5. $\hat{\phi}$ move to the required language
6. Press \odot (Select)





Viewing the Calendar

page 80

Moving the cursor	80
Creating a reminder	81
Reminder list.....	81

You can organise your calendar to remind you of a personal event, such as a holiday period or birthday. You need to set the clock, day and time before entering anything in the calendar.

Viewing the Calendar

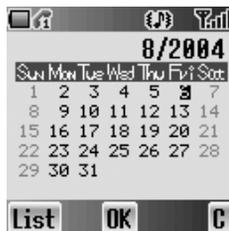
In idle screen

1. Press (Menu)
2. move to **Calendar**
3. Press

OR

In idle screen

Press to display **Calendar**



Moving the cursor

When the **Calendar** is displayed, the cursor is on the current day. Press to move the cursor to a different day. To display the next/previous month, place the cursor on the Month and press . To display the next/previous year, place the cursor on the Year and press .

Creating a reminder

On Calendar

1. ⬅️ move to the required date
2. Press ⏹ (OK)
3. Set HOUR with 0 + - 9 wxyz
OR
⬆️ to set HOUR
4. ➡️ move to MINUTE
5. Set MINUTE with 0 + - 9 wxyz
OR
⬆️ to set MINUTE
6. Press ⏹ (OK)
7. Enter a title of the event

OR

On Calendar

1. Press ⏪ (List)
2. ⬆️ move to **[New event]**
3. Press ⏹ (Select)
Follow the step 1 – 7 above.



Reminder list

Viewing a reminder

On Calendar

1. Press ⏪ (List)
2. ⬆️ move to the required entry
3. Press ⏹ (View)

Editing a reminder

On Calendar

1. Press ⏪ (List)
2. ⬆️ move to the required entry
3. Press ⏹ (View)
4. Press ⏹ (Edit)
See “Creating a reminder” above.



Deleting a reminder

On Calendar

1. Press  (List)
2. Press  (Del.)
3. Press  (Yes) to delete
OR
Press  (No) not to delete



You can store your various multimedia files in different types of folders.



Note: Changing SIM does not affect the contents of stored data.

My Pictures

You can store and manage the picture files. Picture files are displayed as thumbnails. Move the cursor with \diamond .

From **My Media** menu

1. Press \odot (Select)
2. \diamond move to the required picture
3. Press \odot (View)
OR
Press \ominus (Menu)
4. \diamond move to the required function
5. Press \odot (Select)

The following functions are available:

- **View**
- **Create MMS**
- **Set as wallpaper**
- **Set as caller ID**
- **Set as group icon**
- **Rename**
- **Delete**
- **Properties**



Note: Group icon, Caller ID and **Wallpaper** are available with JPG pictures only.

My Animations

You can store and manage the video files. Video files are displayed as thumbnails. Move the cursor with \odot .

From **My Media** menu

1. \odot move to **My Animations**
2. Press \odot (Select)
3. \odot move to the required animation
4. Press \odot (View)

OR

Press \square (Menu)

5. \odot move to the required function
6. Press \odot (Select)

The following functions are available:

- **View**
- **Set as wallpaper**
- **Set as caller ID**
- **Set as group icon**
- **Rename**
- **Delete**
- **Properties**



Note: Group icon, Caller ID and **Wallpaper** are available with AVI pictures only.

My Sounds

You can store sound files and manage them.

From **My Media** menu

1.  move to **My Sounds**
2. Press  (Select)
3.  move to the required sound
Sound files are played automatically.
4. Press  (Play) to play again
OR
Press  (Menu)
5.  move to the required function
6. Press  (Select)

The following functions are available:

- **Create MMS**
- **Play**
- **Rename**
- **Delete**
- **Properties**



Memory status

You can check the **Memory status** occupied by media files.

From **My Media** menu

1.  move to **Memory status**
2. Press  (Select)

Applications

 Games & Apps	page 87	
 Alarms	page 87	Setting the Alarms..... 87
 Voice memo	page 88	Recording a Voice memo 88 Playing a Voice memo 88 Deleting a Voice memo 88
 Sound recorder	page 89	
 Clock	page 89	Time & date 89 Format 90
 Auto power on	page 90	
 Auto power off	page 91	
 Calculator	page 91	Conversion 92 Currency rate 92
 Melody composer	page 93	Composing a melody 93

Your phone contains a number of preinstalled applications.

Games & Apps

See “Games & Apps” on page 52.

Alarms

You can set 3 sets of alarms to sound or vibrate when the set time is reached.



Note: If the phone is switched off at the alarm set time, the phone will switch on automatically and the alarm will sound. The phone remains on after the alarm.

Setting the Alarms

From **Applications** menu

1. $\hat{\phi}$ move to **Alarms**
2. Press \odot (Select)
3. $\hat{\phi}$ move to the required alarm set
4. Press \odot (Select)
5. $\hat{\phi}$ move to the required type of alarm
To cancel the alarm setting, select **Cancel**.
6. Press \odot (Select)
7. $\square +$ – WXYZ or $\hat{\phi}$ move and set HOUR
8. $\leftarrow \rightarrow$ move to the MINUTE
9. $\square +$ – WXYZ or $\hat{\phi}$ move and set MINUTE
10. Press \odot (OK)

The following types of alarm frequency are available:

- **Time**
- **Once**
- **Daily**
- **Mon to Fri**
- **Mon to Sat**

You can select the alarm tone from **Melody**.



When an alarm sounds, the chosen melody will be heard and the display will flash with an alarm message. The alarm will sound for 55 seconds.

To end the alarm, press any key.

Voice memo

You can record a two-way conversation while on a call. The maximum length of the recording time is 16 seconds. Old recordings are overwritten; only one recording can be stored.



Note: Security of a recording messages is your responsibility. You must ask for the other party's agreement before recording.

Recording a Voice memo

While on a call

1. Press (Menu)
2. move to **Memo**
3. Press (OK) to start recording
4. Press (Stop) to stop

Playing a Voice memo

From Applications menu

1. move to **Voice memo**
2. Press (Select)
3. Press (Select) to **Playback**
4. Press (**G**) to stop



Deleting a Voice memo

From Applications menu

1. move to **Voice memo**
2. Press (Select)
3. move to **Delete**
4. Press (Select)
5. Press (Yes) to delete
OR
Press (No) not to delete

Sound recorder

You can record and make a sound file.

From **Applications** menu

1. $\hat{\phi}$ move to **Sound recorder**
2. Press \odot (Select) to start recording
3. Press \ominus (\mathbb{C}) to stop recording



Clock

You can set the time and date, and select from various types of clock formats.

Time & date

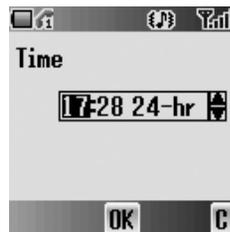
From **Applications** menu

1. $\hat{\phi}$ move to **Clock**
2. Press \odot (Select)
3. Press \odot (Select) **Time & date**
4. The currently set time and date is displayed

Setting time

From **Time & date** menu

1. Press \odot (Select)
2. $\square +$ – $\square \text{ WXYZ}$ or $\hat{\phi}$ to change HOUR setting
3. \leftarrow move to MINUTE
4. $\square +$ – $\square \text{ WXYZ}$ or $\hat{\phi}$ to change MINUTE setting
5. Press \odot (OK)



Setting date

From **Time & date** menu

1. $\hat{\phi}$ move to the current date
2. Press \odot (Select)
Calendar is displayed.
3. $\hat{\phi}$ move to the current date
4. Press \odot (OK)



Format

From **Clock** menu

1. $\hat{=}$ move to **Format**
2. Press \odot (Select)
3. $\hat{=}$ move to the required format
4. Press \odot (Select)

Auto power on

You can set **Auto power on** and automatically switch on the phone at the set time.



Note: Even if the phone is switched off at the set **Auto power on** time, the phone will switch on automatically.

From **Applications** menu

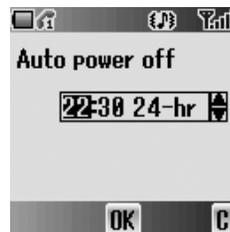
1. $\hat{=}$ move to **Auto power on**
2. Press \odot (Select)
3. $\boxed{0} +$ – $\boxed{9} \text{ WXYZ}$ or $\hat{=}$ to change HOUR setting
4. \blacklozenge move to MINUTE
5. $\boxed{0} +$ – $\boxed{9} \text{ WXYZ}$ or $\hat{=}$ to change MINUTE setting
6. Press \odot (OK)
7. $\hat{=}$ move to the required setting
8. Press \odot (Select)

Auto power off

You can set **Auto power off** and automatically switch off the phone at the set time.

From **Applications** menu

1. $\hat{\phi}$ move to **Auto power off**
2. Press \bullet (Select)
3. $\square +$ - $\square wxyz$ or $\hat{\phi}$ to change HOUR setting
4. \blacktriangleleft \blacktriangleright move to MINUTE
5. $\square +$ - $\square wxyz$ or $\hat{\phi}$ to change MINUTE setting
6. Press \bullet (OK)
7. $\hat{\phi}$ move to the required setting
8. Press \bullet (Select)



Calculator

You can use the 4-function calculator (addition, subtraction, multiplication and division) for simple arithmetic operations.

From **Applications** menu

1. $\hat{\phi}$ move to **Calculator**
2. Press \bullet (Select)
3. Enter a number with $\square +$ - $\square wxyz$
(maximum 8 digits)
If a decimal point is required, press $\square * \square$.
Press $\square \circlearrowleft$ to add “-” if needed
4. Press $\square \# \blacktriangleright$ to select an arithmetic operation
5. Enter a number (maximum 8 digits)
6. Press \bullet (=)



Conversion

You can convert from/to a home currency using a currency rate.

On **Calculator**

1. Enter a number with $\square + - \square_{wxy}$
(maximum 8 digits)
2. Press \ominus (Menu)
3. $\hat{\phi}$ move to **Conversion**
4. Press \odot (Select)
Calculated amount is displayed.

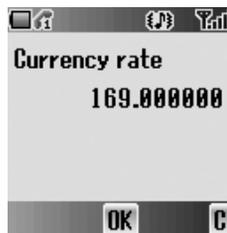


Currency rate

You can set currency rate to convert to/from a particular currency.

On **Calculator**

1. Press \ominus (Menu)
2. $\hat{\phi}$ move to **Currency rate**
3. Press \odot (Select)
4. Enter a number with $\square + - \square_{wxy}$ up to 6 decimal places
5. Press \odot (OK)



Melody composer

You can compose your own melody and store it as a sound file.

From **Applications** menu

1. $\hat{\phi}$ move to **Melody composer**
2. Press \odot (Select)

Composing a melody

You can play a melody while composing.

From **Melody composer** menu

1. Press \odot (Change)
2. Enter required notes with $\boxed{0+}$ - $\boxed{9wxyz}$, $\boxed{* \uparrow}$ and $\boxed{\# \rightarrow}$
3. Press \odot (OK)
4. $\hat{\phi}$ move to **Name:**
5. Press \odot (Change)
6. Enter a name for the melody
7. Press \odot (OK)
8. Press \ominus (Save)

Key	$\boxed{1}$	$\boxed{2 \text{ abc}}$	$\boxed{3 \text{ def}}$	$\boxed{4 \text{ ghi}}$	$\boxed{5 \text{ jkl}}$	$\boxed{6 \text{ mno}}$	$\boxed{7 \text{ pqrs}}$
Note	C	D	E	F	G	A	B
Key	$\boxed{8 \text{ tuv}}$	$\boxed{9 \text{ wxyz}}$	$\boxed{0+}$	$\boxed{* \uparrow}$	$\boxed{\# \rightarrow}$		
Note	Rest	Note length	Set octave	Dotted Note	Sharp		

Format of the Notes

- The notes appear in a format like 2C4 by pressing $\boxed{1}$.
- The first number ("2" in this case) indicates the note octave. The default value is 2. Press $\boxed{0+}$ to change the octave from 1 to 3.
- The second number ("4" in this case) indicates the note length. The default value is 1/4. Press $\boxed{9wxyz}$ to change the note length from 1 to 1/32.
- To enter dotted notes (i.e. notes extended in length), press $\boxed{* \uparrow}$.
- To add sharp values to notes, press $\boxed{\# \rightarrow}$.
- To enter rests, press $\boxed{8 \text{ tuv}}$.

PC Software

The CD-ROM supplied with your phone contains software applications which allow you to manage the information in your phone from a Personal Computer (PC), and to enable your PC to communicate with the Internet through your phone.

These applications include:

Data Connection Assistant Software

The Panasonic Data Connection Assistant Software allows you to connect a laptop or desktop PC to the Internet and other network services via your mobile phone. For further information, please refer to the documentation on the CD-ROM, or to the Panasonic website www.panasonicmobile.com.

Handset Manager

With Handset Manager you can easily manage your phone information on a PC and synchronise it back to the phone. This information includes contacts, messages, the calendar and image or sound data stored in your phone. For further information, please refer to the documentation on the CD-ROM, or to the Panasonic website www.panasonicmobile.com.



Note: A USB data cable must be purchased separately for connecting your phone to a PC.

Installing the Software

The software is compatible with PCs and laptops running Microsoft Windows™ 98 or later. On most PCs, the software should auto-install when the CD-ROM is inserted into the CD drive. If not, then autoplay must be manually selected in Windows Explorer. Follow the instructions that appear on the PC screen to install the software.

Downloading software upgrades

1. Browse www.panasonicmobile.com
2. Select region and language
3. Select Support > Software from the menu
4. Click “Data Connection Assistant Software” or “Handset Manager”
5. Follow the instructions to download the PC software upgrade



Note: Web contents may change without notice.

Troubleshooting

Should any problem persist, contact your dealer.

Problem	Cause	Remedy
Phone will not switch on.		Check that the battery is fully charged and correctly connected to the phone.
Extremely short battery life for a new battery.	The network you are using and the condition of the battery can affect battery life.	
Short battery life for an old battery.	The battery has worn out.	Replace with a new fully charged battery.
The battery level indicator does not appear and the phone cannot be switched on when charging.	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.	Leave the phone charging the battery for a few minutes before the indicator is lit and attempting to switch it on.
Battery fails to charge.	The battery is not attached to the phone.	Ensure the battery is fitted to the phone prior to commencing charging.
	The battery has been connected to the phone after the fast travel charger has been switched on.	
	The battery has been deeply discharged. The phone will take a short time until indicator lights.	Leave the phone charging the battery for a few minutes before the indicator is lit and attempting to switch it on.

Problem	Cause	Remedy
Calls cannot be made.	The phone is locked.	Unlock the phone.
	Outgoing calls are barred.	Disable outgoing call barring, or barred dial.
	The phone is not registered to a network.	Move to a coverage area and operate your phone after it has registered with a network.
Calls cannot be made from Fixed Dial Store.		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.
Calls cannot be received.	The phone is not switched on.	Switch the phone on.
	Incoming calls are barred.	Disable incoming call barring.
	The phone is not registered to a network.	Move to a coverage area and operate your phone after it has registered with a network.
Emergency calls cannot be made.	You are not in a GSM coverage area.	Check that the antenna symbol  is displayed – move to a coverage area and operate your phone when the antenna symbol is displayed.
Phone numbers cannot be recalled from Contacts.	The phone is locked	Unlock the phone.
	Phone number has been restricted.	Switch off restriction.

Important Error Messages

Capacity full!	The message area is full. Your messages cannot be stored until some of the currently stored messages are deleted.
Function unavailable	The selected feature is either not supported by the SIM or is not available with the current subscription – contact your Service Provider.
Incorrect: xx tries left	The entered code is incorrect – re-enter the code correctly.
Insert SIM	The phone has detected a problem with the SIM – switch the phone off and then back on; if the message is still displayed contact your Service Provider.
Invalid SIM	The SIM is blocked because one of the PIN/PIN2 unblocking keys (PUK/PUK2) has been entered incorrectly ten times – contact your Service Provider.
Capacity full!	A message has been received, but the message store is full – to receive messages, delete some of the currently stored messages or set messages to Auto Delete (MMS only).
Password incorrect: Try again	The SIM has failed one or more of the SIM personalisation checks – contact your Service Provider.
Phone number too long (Max:20)	The edited or newly created Contacts number is too long for the SIM.
PIN2 must be unblocked	The PIN2 is blocked permanently because the wrong PUK2 has been entered ten times. Services controlled by PIN2 cannot be used – contact your Service Provider.
Unlock code incorrect. try again.	On changing the phone lock code, verification of the new code is incorrect – retry changing the lock code with correct verification. Disabling or enabling the lock code has failed due to incorrect entry of the lock code – re-enter lock code.

Unregistered SIM

The network has detected an authentication failure because your SIM is not registered with that network – contact your Service Provider.

Glossary of Terms

APN	Access Point Name. Directs the user to the gateway or the required service.
CHAP	Challenge Handshake Authentication Protocol. A security feature in the GPRS network.
Copy	Copies selected text from short text message without removing it from the original message.
CSD	Circuit Switched Data. A communication method used to transmit data over telephone connections.
Cut	Permanently removes selected text from short text message.
DTMF Tones	Dual Tone Multi-Frequency tones allow you to communicate with computerised phone systems, voice mailboxes etc.
EMS	Enhanced Message Service. Upgraded feature of Text Messages.
GPRS	General Packet Radio Service. A GSM data 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 the volume of data sent and received.
GSM	Global System for Mobile Communications. The name given to the advanced digital technology that your phone uses.
MMS	Multimedia Messaging Service. Attach images and music to text message.
Network Operator	The organisation responsible for operating a GSM network.
PAP	Password Authentication Protocol. A security feature in the GPRS network.
Password	Used to control Call Bar. Supplied by your Service Provider.

PIN	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.
PIN2	Personal Identification Number used to control the Fixed Dial Store and Call Charge metering. Supplied by your Service Provider. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked.
PUK/PUK2	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.
Registration	The act of locking on to a GSM/GPRS network. This is usually performed automatically by your phone.
Roaming	The ability to use your phone on networks other than your Home network.
Service Provider	The organisation responsible for providing access to the GSM/GPRS network.
SIM	Subscriber Identity Module. A small smart-card which stores unique subscriber and user-entered information such as Contacts and Short Messages. Supplied by your Service Provider.
SMS	Short Message Service. A basic mail system used for cellular phones. This service allows sending/receiving of short text messages.
WAP	Wireless Application Protocol. The communication standard which enables you to download resources from the Internet to your phone.

Personal Settings

Use the table below to record your GSM/GPRS WAP settings.

Item	Hint	Current setting
WAP setting		
Primary IP		
Primary port		
Secondary IP		
Secondary port		
Timer		
Homepage		
Connections		
GPRS		
Login name		
Password		
GPRS APN		
Authentication	None/PAP	
CSD		
Login name		
Login name		
Password		
Phone number		
Call type	Analog/ISDN	
Transfer rate	Automatic/9600	

Index

- A**
- Access point55
 - Accessory94
 - Active line34
 - Active slide30
 - Alarms3, 32, 87
 - Alerts27
 - All calls, Call services34
 - Answered call, Recent calls10
 - Answering, Incoming call12
 - Anti flicker, Camera69
 - APN99
 - GPRS APN55
 - Appearance
 - Camera63
 - Phone body1
 - Applications22, 86
 - Asterisk key1, 2
 - Authentication, GPRS55
 - Auto answer13, 31
 - Auto power off91
 - Auto power on90
 - Auto reception, MMS73
- B**
- Backlight time29, 54
 - Battery5
 - Battery cover1
 - Battery level indicator6
 - Bookmarks59
 - Bookmarks in Browser59
 - Brightness, Camera65, 66
 - up/down64
 - Browser22
 - Settings62
- C**
- Calculator32, 91
 - Calendar22, 32, 80
 - Creating a reminder81
 - Moving the cursor80
 - Reminder list81
 - Call bar38
 - Call diverts3, 36
 - Call meters, Service charges35
 - Call services34
 - Call type, CSD55
 - Call waiting15, 34
 - End and answer15
 - Ending both connections17
 - Ending one connection17
 - Hold and answer15
 - Caller ID83, 84
 - Caller's ID13, 34
 - Calls34
 - Camera22, 32, 63
 - Capture mode70
 - Preview mode65
 - Shutter64
 - Status icons65
 - Camera lens1, 63
 - Cancel, Camera64
 - Capture mode, Camera70
 - Cell Broadcast, Messages78
 - Centre key1, 2, 3
 - Change mode, Camera65, 66
 - Change style, Camera69
 - CHAP99
 - Charging connector1
 - Chat SMS77
 - Clock89
 - Close up mode, Camera65, 67
 - Colour themes28
 - Conference18
 - Connections
 - Call services35
 - MMS72
 - Contacts22, 32
 - Contacts list42
 - Accessing while on a call13
 - Making a call11
 - Memory status48
 - Conversion92
 - Copy99
 - Cost left, Service charges35
 - Create
 - Contacts list45
 - Messages75

CSD	55, 99
Currency rate	92
Cut	99

D

Data Connection Assistant Software	94
Date	89
Defaults, My Phone	40
Delivery report	
MMS	73
SMS/EMS	73
Dial number, CSD	55
Display	1, 28
Draft folder, Messages	76
DTMF Tones	19, 99

E

Earpiece	1
Effect, Camera	68
E-mail address, Contacts list	46
Emergency calls	9
EMS	73, 99
Create from Contacts list	44
Settings	73
End key	1, 2
Ending a call	9
Error Messages	97
Exit, Camera	64, 69

F

Fixed dial	40
Flashing	3
Frames, Camera	68

G

Games & Apps	22, 32, 52, 87
Settings	54
Glossary of Terms	99
GPRS	3, 99
Greeting	28
Groups	47
Groups (Status Icons)	46
Set as group icon	83, 84
GSM	3, 99

H

Handset Manager	94
Handsfree	14
Personal Handsfree Connector	1
Hash key	1, 2
Holding call	14
Hot key dial	51
Hot key dial (Status Icon)	46
Making a call	11

I

Idle screen	3
Inbox, Messages	76
In-call operations	13
Incoming call	12
International calls	11
International calls except home	
Bar data	38

K

Key backlight	29
Key guard	30
Key tone	27

L

Language	
Cell Broadcast, Messages	79
Display	31
Last call	
Call services	34
Recent calls	10
Left soft key	1, 2, 3
Linger time, MMS	72
Location	
Phone Contacts list	46
SIM Contacts list	46
Login name	
CSD	55
GPRS	55
Long press	32
Low battery power warning	6

M

Mail settings, MMS	73
--------------------------	----

Main Menu	22	Note, Contacts list	46
Making a call	9	Notes, Melody format	93
Max cost, Service charges	35	Numeric keys	2
Melody composer	93		
Memory		O	
Memory status, Contacts list	48	Open action	30
My Media	85	Operator notice	29
Menu view	33	Outbox, Messages	76
9 launcher	33	Draft folder	76
Scroll launcher	33	Sent folder	76
Message centre		Unsent folder	76
MMS	72		
SMS/EMS	73	P	
Message tone	26	PAP	99
Messages	22, 71	Part Names	1
Cell Broadcast	78	Password	99
Inbox	76	CSD	55
Outbox	76	GPRS	55
Send from Contacts list	44	PC Software	94
Sending while on call	14	Downloading	94
Settings	71	Installing	94
Microphone	1	Permission, Games & Apps	53
MMS	99	Phone	42
Create from Contacts list	44	Phone Body	
MMS settings	72	Closing	4
Server list	72	Opening	4
Multi-party call	18	Phone lock	37
My Animations	84	Phone settings	34
My Contacts	51	Photo light	1, 63, 67
My Media	22, 32, 83	PIN	39, 100
My numbers	49	PIN2	39, 100
My Phone	22, 23	Playing, Games	52
My Pictures	83	Power key	1, 2
My Sounds	85	Preview mode, Camera	65
		Camera preview mode	65
N		Video preview mode	65
Navigating contents	57	Price unit, Service charges	35
Navigation key	1, 2	Primary IP, MMS	72
Network		Primary port, MMS	72
Editing a network setting	55	Profiles (Sounds)	24
New network	40	Meeting	24
Search mode	40	Normal	24
Network dependent	2	Outdoor	24
Network Operator	99	Quiet	24

Protocol, SMS/EMS	73	Games	54
PUK	100	Messages	71
PUK2	100	MMS	72
Q		Network, Games & Apps	55
Quality, Camera	65, 67	Permission	53
Quiet key	1	Phone settings	34
R		Restore MMS settings	73
Receive settings, MMS	73	Slide settings	30
Receiving messages	74	SMS	73
Recent calls	10	Shift key	1, 2
Registration	100	Short press	32
Rejecting		Shortcut key	32
A new call	16	Show my number	35
Incoming call	13	Shutter key	1, 2, 63
Reminder list, Calendar	81	Shutter sound, Camera	69
Reminder, Calendar	81	Shutter, Camera	64
Reply text, MMS	73	Signature, MMS	73
Restore settings, MMS	73	SIM	7, 42, 100
Right soft key	1, 2, 3	Attaching	7
Ringtone	3, 26	Removing	7
Roaming	3, 100	SIM dependent	2
S		Slide close tone	27
Save, Camera	64	Slide open tone	26
Scroll launcher, Menu view	33	Slide settings	30
Second call	16	SMS	100
Secondary IP, MMS	72	Create from Contacts list	44
Secondary port, MMS	72	Settings	73
Security	37	Sound recorder	32, 89
Self timer, Camera	69	Sounds	25
Self-portrait mirror	1, 63	Start Browser	32
Send key	1, 2	Status icons	3
Sender visibility, Messages	73	Status icons, Camera	65
Sent folder, Messages	76	STK (SIM Tool Kit)	22
Server list, MMS	72	Suspend, Games & Apps	53
Server name, MMS	72	Swapping call	17
Service charges	35	Switching On/Off	8
Service dial	12, 49	T	
Service Provider	100	T9® Text Input	21
Settings		Terminate, Games & Apps	53
Alarms	87	Text Entry	20
Browser	62	Example	20
EMS	73	Extended	20
		Greek	20

Normal	20
Numeric	20
T9®	20
Time	89
Time & Date	89
Topic list, Cell Broadcast	78
Transfer rate, CSD	55
Trouble Shooting	95
Twilight mode, Camera	65, 67

U

Unanswered call, Incoming call	12
Unanswered call, Recent calls	10
Unsent folder, Messages	76
USB data cable	3, 94
User messages	77

V

Validity period	
MMS	73
SMS/EMS	73
Vibration	3, 54
Viewing Details, Games & Apps	53
Voice memo	88
Voicemail	3, 50
Volume	13, 25, 54

W

Wallpaper	28, 83, 84
WAP	100
Warning tone	27
Withhold ID	34

Z

Zoom, Camera	65, 66
in/out	64

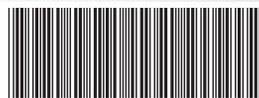


www.panasonicmobile.com

All screen images in this manual are simulated.
Some phone colours may not be available in every country.



Panasonic Mobile & Automotive Systems Czech s.r.o.
Pardubice, Czech Republic



X500EN1WP1b

Printed in Czech Republic