Panasonic

Operating Instructions Part 1
Digital Cellular Phone

X100

EB-X100
Mobile Phone

GSM

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

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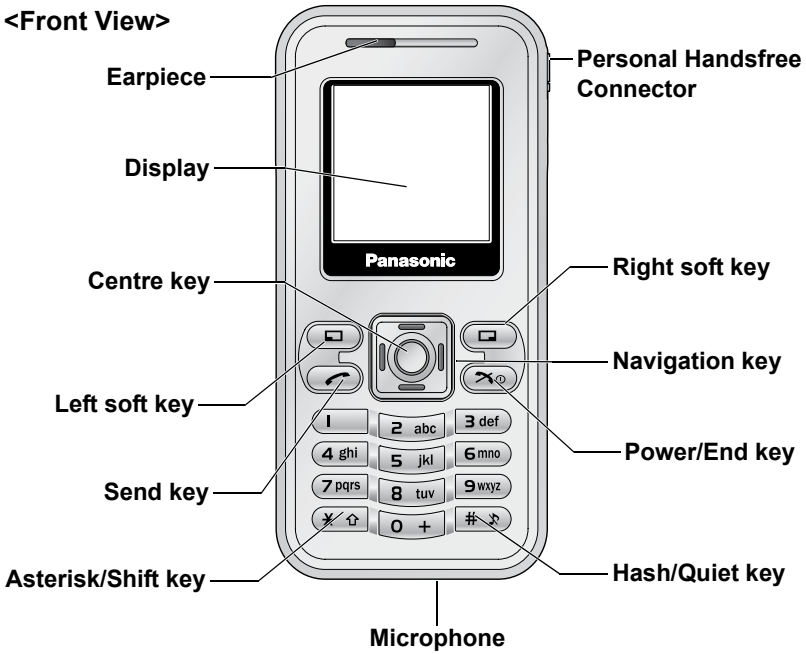
Part Names



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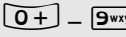
Keys and Symbols

Keys	Description
	Centre key: Press in the centre of the Navigation key to select or enter the menu options. **In idle screen:** Press to enter the main menu. Press and hold to enter the **Mobile lock** menu.
	Navigation key: Move the cursor in each directions. **In idle screen:** Press ▲ or ▼ to enter the **Contacts list**. Press ◀ to display the **Calendar**. Press ▶ to enter **My Media** menu.
	Left soft key: Perform the functions indicated in the lower left corner of the display. **In idle screen:** Press to enter the **Messages** menu.
	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. **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**.
	**Numeric keys:** Enter numbers. **In idle screen:** Press and hold to apply the appropriate **Hot key dial** (1 – 9wxyz). Press and hold 0+ to enter "**+**" (see "International calls" on page 11), "**p**" or "**w**" (see "DTMF Tones" on page 19).
	Send key: Press to answer or make a call. **In idle screen:** Press to enter **Recent calls**.
	Power/End key: End a call or return to the idle screen. **In idle screen:** Press and hold to switch the phone on or off.
	Asterisk/Shift key: Enter ✳. Shift key in text entry. **In idle screen:** Press and hold to start the **Browser**.
	Hash key: Enter **#**. **In idle screen:** Press and hold to activate **Quiet** mode.
	Indicates that the function is **SIM** dependent.
	Indicates that the function is **Network** dependent.

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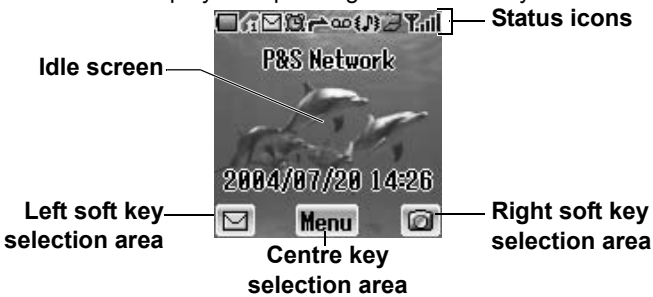
Icons

Status Icons

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



Green – Red	Indicates **Battery level**	page 5
	On non-home network – **Roaming** ( )	page 97
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	Media Folder is full	
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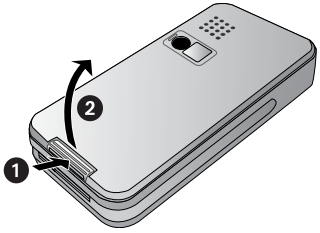
Battery and SIM

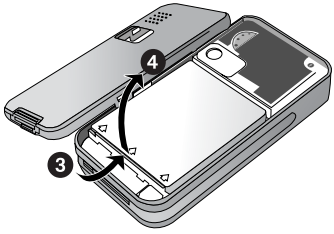
Before opening the battery cover, ensure that the phone is switched off and the charger is disconnected from the phone.

Battery

Removing the battery

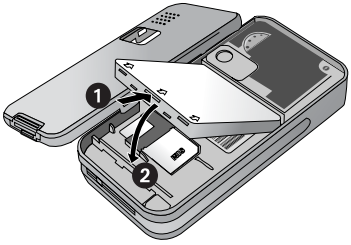
1. Press the tab on the bottom edge of the cover (❶)
2. Remove the battery cover (❷)
3. Push the lower part of the battery forward (❸)
4. Lift the battery to remove (❹)

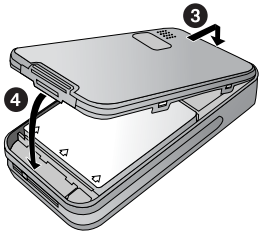




Attaching the battery

1. Insert the upper edge of the battery (❶)
2. Push down on the lower edge of the battery carefully until it clicks (❷)
3. Insert the upper edge of the cover. Make sure to fit notches on the cover into the locking catches of the phone (❸)
4. Gently push the cover into place until it is locked (❹)





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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.

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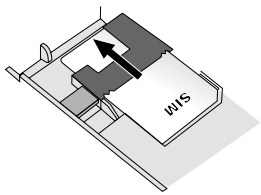
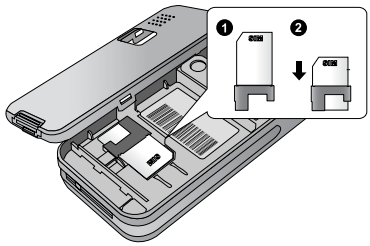
SIM

Attaching the SIM

1. Remove the battery cover and the battery (see “Removing the battery” on page 4)
2. Insert the **SIM** into the **SIM** holder
3. Replace the battery and the battery cover

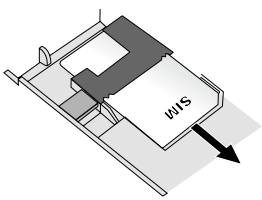


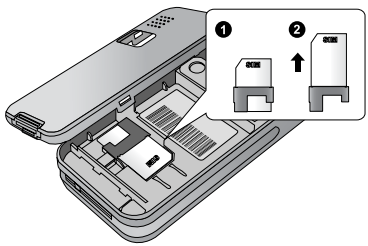


Note: Ensure the gold contacts on the **SIM** and the phone body are facing each other.

Removing the SIM

1. Remove the battery cover and the battery (see “Removing the battery” on page 4)
2. While holding the tab down, gently slide the **SIM** out
3. Replace the battery and the battery cover





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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

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Mobile lock On/Off

You can lock your phone to avoid accidental or intentional misuse of it.

Key guard

Key guard is used to prevent any keys from being accidentally pressed.

In idle screen

1. Press and hold ◉ (Menu)
2. Press ◉ (On)
3. Press ◉ (OK)

To release **Key guard**

1. Press ◉ ( )
2. Press ◉ (OK)

Phone lock

See “Phone lock” on page 35.

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Making a Call

Before making a call, ensure that the phone is switched on, the signal strength meter shows network coverage is available in the current area, and the battery has sufficient charge.
While on a call, the duration will be displayed and auto-reset every 4 hours.

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 0+ – 9wxyz
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 33) is set, the remaining units will also be displayed.
While on a call
1. Press (Power/End)
2. Duration is displayed (when the counter reaches 04:16:00, it will be reset)
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 cases ( ).
In idle screen
1. Enter 112 with 0+ – 9wxyz
2. Press (Send)

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

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Recent calls

Making a call from Recent calls list

You can select phone numbers from **Last call**, **Answered call** or **Unanswered call**. There can be stored up to 50 recent numbers each in the **Last call** and the **Answered call** lists, and up to 20 in the **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 40)

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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 0+ until "**+**" is displayed
2. Enter the country/region code with 0+ – 9wxyz
3. Enter the area code and the phone number with 0+ – 9wxyz
4. Press ⌒ (Send)

Note: When you make an international phone call, remember to omit the first "0" of the area code. (There are some exceptions.)

Contacts list

You need to store the phone numbers in **Contacts list** before using this function (see "Create" on page 43).

In idle screen

1. Press ⊙ or ⊙ to display **Contacts list**
2. ⊙ 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 49).

In idle screen

1. Press and hold the appropriate hot key number with 1 – 9wxyz
2. The number will be dialled automatically

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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 49). 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.

While on a call, the duration will be displayed and auto-reset every 4 hours.

Unanswered call

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

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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 30).

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 39)

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Messages

While on a call, you can send an **SMS** message as well as create or check an **SMS** or **MMS** message.

While on a call

1. Press ◉ (Menu)
2. ⊙ move to **Messages**
3. Press ◉ (Select)
   (see “Messages” on page 67)

Handsfree

If **Handsfree** is activated, you can use the phone handsfree access to the phone without putting the earpiece to the ear.

While on a call

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

Hold

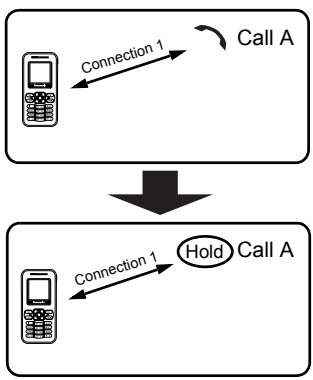
You can put a call on hold.

While on a call

1. Press ▭ (Hold)

To resume

1. Press ▭ (Resume)



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Call waiting

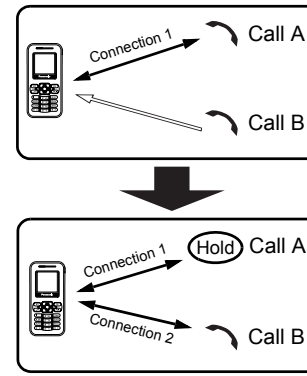
If **Call waiting** is on, you can receive another call or you can make a Multi-party call.

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)

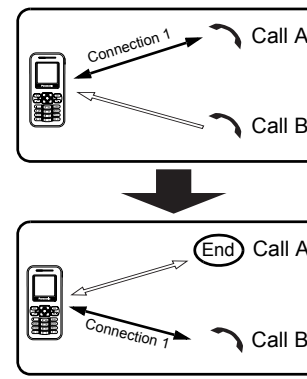


End and answer

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)



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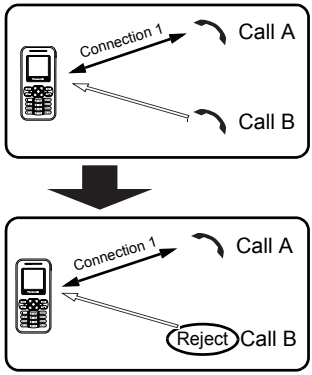
Rejecting a new call

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)

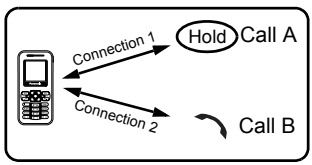


Second call

You can make another call while on a call.

While on a call

1. Press (Hold)
2. Enter the required phone number with
   0+ – 9wxyz
   OR
   Press ( ) and select the required number
3. Press (Send)
   The first call will be put on hold.



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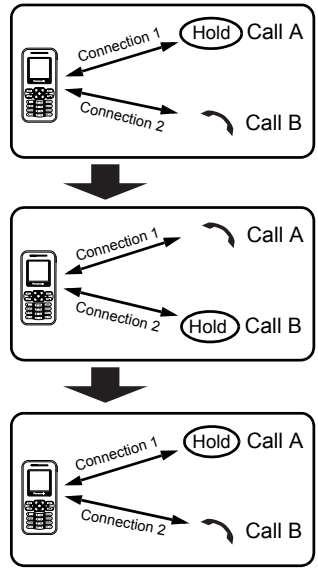
Swapping call

You can swap between 2 connections.

While on the second call

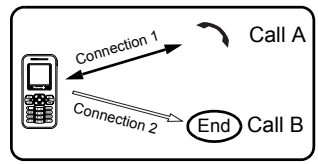
1. Press (Resume)
2. The second call will be placed on hold and you will be returned to the first call
3. Press (Hold)
4. The first call will be placed on hold and you will be returned to the second call



Ending one connection

While on calls

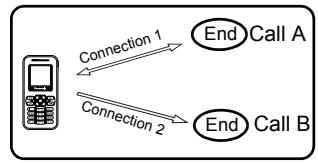
1. Press (Menu)
2. move to **Hang up**
3. Press (Select)
4. move to **Active** or **Hold**
5. Press (Select)



Ending both connections

While on calls

Press (End)



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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

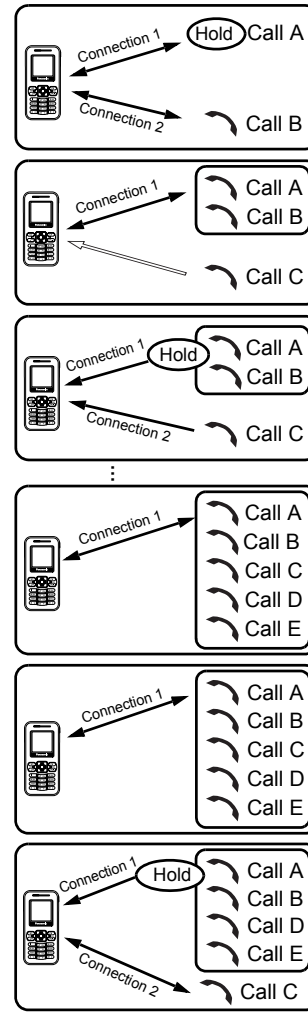
1. Press ▭ (Hold)
   The **Conference** is placed on hold.
2. Make another call
   OR
   Answer an incoming call
3. Press ● (Menu)
4. ◎ move to **Conference call**
5. Press ● (Select)

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.



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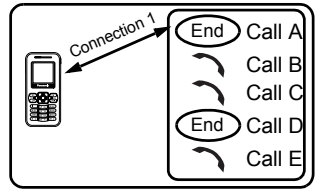
Ending a call in a Multi-party call

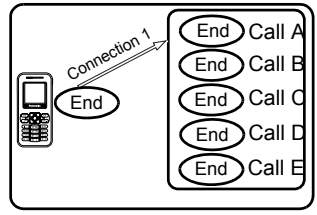


You can end a call in a Multi-party call one by one.

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.

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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 (aäå)	Numeric (0 – 9)
0+		+ _	+ _	+ _	0
1	. , - ? ! ’ @ : ; / 1	. @ / : ; * # + - ” , ! ¡ ? ¿ _ ( ) [ ] { } ’ & % \ ^ ~ | < > = € £ $ ¥ ¤ §			1
2abc	ACB2 acb2	ABC abc	ΑΒΓ	AÅÄÆBCÇ aäåæàbc	2
3def	EDF3 edf3	DEF def	ΔΕΖ	DEÉF deèéf	3
4ghi	IHG4 ihg4	GHI ghi	ΗΘΙ	GHI ghiì	4
5jkl	KLJ5 klj5	JKL jkl	ΚΛΜ	JKL jkl	5
6mno	OMN6 omn6	MNO mno	ΝΞΟ	MNÑOÖØ mnñoöøò	6
7pqrs	SPRQ7 sprq7	PQRS pqrs	ΠΡΣ	PQRS pqrsß	7
8tuv	TVU8 tvu8	TUV tuv	ΤΥΦ	TUÜV tuüùv	8
9wxyz	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®	*⇧	4ghi	3def	5jkl	5jkl	6mno	1	0 × 4
		I	He	Gel	Hell	Hello	Hello.	Hello!
Normal (abc)	*⇧	4ghi × 2	3def × 2	5jkl × 3	5jkl × 3	6mno × 3	1 × 12	
		H	He	Hel	Hell	Hello	Hello!	

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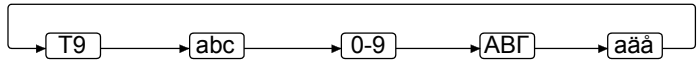
Text mode

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	АВГ	aää
Shift	T9↑	Abc	———	———	———
Caps Lock	T9↥	ABC	———	———	ÄÄÅ

T9® Text Input

Using T9® Text Input dramatically reduces the number of key presses. Your phone analyses your entries and compares them to its linguistic database, predicting the next character that most closely matches your input.
Press the key only once for each letter you require. At first the desired letter may not be displayed. Ignore it and continue pressing other keys until the end of the word is reached. Then check if the word has been typed correctly. If the result is not the word you require, press ◎ or 0+ to see other matches.
In case the required word is not in the internal dictionary (i.e. a unique noun or a rarely used word) then it should be entered in 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.

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STK (SIM Tool Kit)

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

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Profiles

You can switch between 4 different profiles, each with a distinct combination of **Volume**, **Ringtone**, **Message 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 #ﾝ 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)

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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 81).

*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)

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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)

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)

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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 phone how the **Alerts** indicates.

*From **Sounds** menu*

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

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Display

Wallpaper

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

*From **Display** menu*

1. Press ◉ (Select)
2. ⌾ move to **Preinstalled** or **My Pictures**
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.

*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 appears 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)

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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.

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Language

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

*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)

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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		**My Media**		**Calculator**
	Contacts		**Alarms**		**Sound recorder**

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Phone settings

You can customise each phone setting.
*From **My Phone** menu*
1. ◎ move to **Phone settings**
2. Press ◉ (Select)
3. ◎ move to the required settings
4. Press ◉ (Select)

Call services

*From **Phone settings** menu*
1. ◎ move to **Call services**
2. Press ◉ (Select)
3. ◎ move to the required setting
4. Press ◉ (Select)

Calls

You can check the call status.
*From **Call services** menu*
1. ◎ move to **Calls**
2. Press ◉ (Select)
3. ◎ move to the required status
4. Press ◉ (Select)

Last call	See the duration of the last call.
All calls	See the total duration of all calls. Reset the total by pressing ◉ (Reset).
Call waiting	Activate **Call waiting** and see the status.
Caller's ID	Check how **Caller's ID** is received.
Withhold ID	Check how your call ID is sent.
Active line	Select a line to activate (▢).

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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 amount of transferred data. You can also reset the total amount of transferred data shown in **All connections** menu.

*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 whether your ID will be displayed or not.

*From **Call services** menu*

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

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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. Then 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.

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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 code**

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)

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Changing the Unlock code

*From **Phone lock** menu*

1. ⊙ move to **Change code**
2. Press ● (Select)
3. Enter old unlock code
4. Press ● (OK)
5. Enter new unlock code
6. Press ● (OK)
7. Enter new unlock code to verify
8. Press ● (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. ⊙ move to **Call bar**
2. Press ● (Select)
3. ⊙ move to the required function
4. Press ● (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.

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PIN

You can protect your **SIM** against unauthorised use. Once you enable the **PIN**, you will be prompted to enter the **PIN** code each time you switch on the phone. You must enable the **PIN** before changing the **PIN** code, and you must enter the **PIN** code to unable the **PIN**.

*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 0+ – 9wxyz
2. Press ● (OK)
3. Enter new **PIN** code with 0+ – 9wxyz
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 0+ – 9wxyz
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 0+ – 9wxyz
4. Press ● (OK)
5. Enter new **PIN2** code with 0+ – 9wxyz
6. Press ● (OK)
7. Enter new **PIN2** code to verify
8. Press ● (OK)

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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 0+ – 9wxyz
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 in **My Phone** menu to the factory default settings.

*From **My Phone** menu*

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

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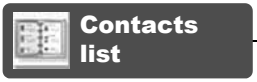
Contacts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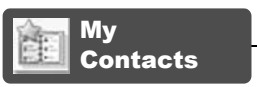
My Contacts page 49

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.

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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)

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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: **SIM Contacts list** can contain only **Name**, **Tel number 1** and **Location No.**

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)

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Sending messages from the Contacts list

You can send messages via the **Contacts list** (see “Messages” on page 67).

*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 **Create MMS** or **Create SMS/EMS**
4. Press ● (Select)
5. ⌾ move to the required item
6. Press ● (Select)
7. Press ⊏ (Done)
   Follow the steps in **Messages** (see “Messages” on page 67).

Deleting an entry from 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 **Delete**
4. Press ● (Select)
5. Press ● (Yes)

Copying an entry to the other 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 **Copy**
4. “Copy (entry name) to (SIM or Phone)?” is displayed
5. Press ● (Yes)

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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. ⊙ move to **Create**
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)

*From **Contacts list** menu*

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

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*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

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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. ⊙ move to **Groups**
2. Press ● (Select)
3. ⊙ move to the required group
4. Press ● (Menu)
5. ⊙ move to **View**
6. Press ● (Select)

Editing the Group

You can change the name, ringtone and photo assigned to a group. You can also reset a group setting to the default.

*From **Groups** menu*

1. ⊙ move to the required group
2. Press ● (Menu)
3. ⊙ move to **Edit**
4. Press ● (Select)
5. ⊙ move to the required item
   To reset the group setting, select **Defaults**.
6. Press ● (Change)
7. Edit a group setting
8. Press ▭ (Save)

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Memory status

Memory status shows how many locations are available in each **Contacts list**. You can copy entries of the **SIM Contacts list** to the **Phone Contacts list** and vice versa.

*From **Contacts** menu*

1. ⊙ move to **Memory status**
2. Press ● (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 ● (Menu)
2. ⊙ move to the required action
3. Press ● (Select)
4. Press ● (Yes)

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

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

Editing My numbers

*From **My numbers** menu*

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

Service dial ▢

See “Service dial ▢” on page 12.

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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. ⊙ move to **Voicemail**
2. Press ● (Select)
3. Press ● (Menu)
4. ⊙ move to **View**
5. Press ● (Select)
   To edit the entry press ● (Edit).

Editing Voicemail

*From **Voicemail** menu*

1. Press ● (Menu)
2. ⊙ move to **Edit**
3. Press ● (Select)
4. ⊙ move to **Name** or **Tel number 1**
5. Press ● (Edit)
6. Enter the required name or number
7. Press ● (OK)
8. Press ⊏ (Save)

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Hot key dial

You can quickly dial the numbers which are assigned to each numeric key 1 – 9wxyz (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 1 – 9wxyz
4. Press ● (OK)

Note: To clear the **Hot key dial** assignment of an entry, enter 0+ instead of the entry’s original **Hot key dial** number. Then 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)

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Games

There are two preinstalled games in your phone.

Playing a game

*From **Games** menu*

1. ◎ move to the required game
2. Press ● (Select)
3. Press ● (Select)

Viewing Help for a game

*From **Games** menu*

1. ◎ move to the required game
2. Press ● (Select)
3. ◎ move to **Help**
4. Press ● (Select)

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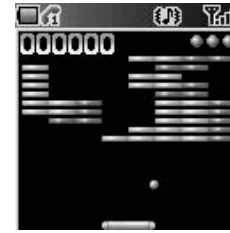
Wall Breaker

Move a board to deflect a ball towards rows of various coloured bricks. Some of the bricks release power up items, such as board extension, ball reduce, gun and more. But be careful: there are some items that works in the opposite way. The next level is achieved by removing all the bricks.



Key operation

Key	Function
● / 5 jkl	Release a ball Shoot (if your board has gun)
◄ / 4 ghi	Move left
► / 6 mno	Move right
▼ / 0 +	Pause/Continue
▲ / 2 abc	Suicide a ball
▭	Exit and back to the Wall Breaker game menu
☎	Quit and back to the idle screen

Note: You can **Resume** your game from the moment you pressed ▭ (exit) or ☎ (quit). **Resume** is available as long as the phone is switched on.

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Move Box

Arrange all the boxes into designated places.
You can only push the boxes and only one at a time.
So be careful not to push them into corners.

Key operation

Key	Function
2 abc	Move up
8 tuv	Move down
4 ghi	Move left
6 mno	Move right
1	Restart the current stage from the beginning
5 jkl	Return to the last step
7 pqrs	Save the current game
	Exit and back to the Move Box game menu
	Quit and back to the idle screen

Note: You can **Resume** your game from the point you pressed (exit) or (quit). **Resume** is available as long as the phone is switched on. Meanwhile, if you have saved your game by pressing 7 pqrs, you can **Load** your saved data to continue from the stage you left off. The saved data is available even after the phone is switched off.

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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

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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 ( )
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 a page by setting a bookmark. Add the current page to bookmarks (see “Managing Bookmarks in Browser” on page 55).
Save Items	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.

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Bookmarks

Once you store your favourite page or a frequently accessed page as a bookmark, you can jump to the page quickly. This eliminates the need to enter the URL every time. You can also assign hot keys to jump to particular pages. There are 2 types of bookmarks, one is 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 0+ – 9wxyz
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)

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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)

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Managing Bookmarks in off-line Bookmarks

*From **Browser** menu*

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

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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 98, 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**

   In the **Connection** menu, you can edit **GPRS** and **CSD** connections. See the following section for details.

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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**

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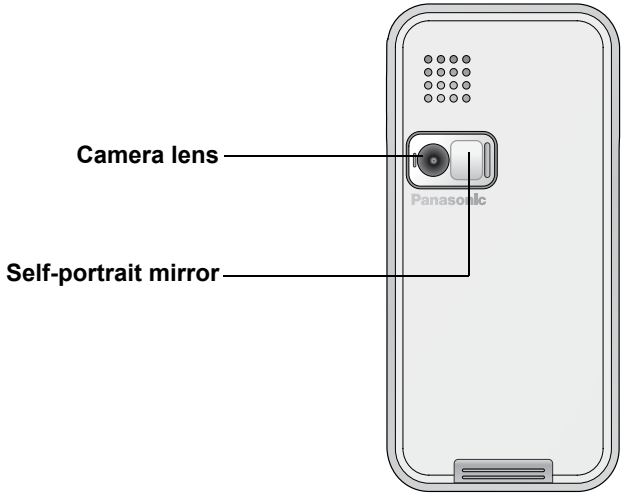
Camera Appearance



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Key functions

Key	Function
	Zoom in
	Zoom out
	Brightness up
	Brightness down
	Shutter/Options (Capture mode)
	Options/Save a captured image
	Exit the camera mode/Delete a captured image
	Exit to the idle screen

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Status icons

	Image size
	Quality
	Close up mode
	Brightness
	Zoom (only Wallpaper size)
	Twilight mode

Preview mode

Launching the Camera Preview mode

- In idle screen, press ⊡ ( ) (if **Camera** is selected as **Shortcut key**)
- From main menu, press ◉ **Camera**

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.

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Operating the Camera

Brightness

In Preview mode

brightness up

brightness down

Zoom

In Preview mode

zoom in

zoom out

Taking a picture

In Preview mode

Press (Shutter) to take a picture

Note: See “Image size” below for changing the size of images.

Options

In Preview mode

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

Image size

From options menu

1. Press (Select)
2. move to the required size
3. Press (Select)
   The following image sizes are available:
   - Wallpaper size (128 × 128 pixels)
   - CIF (352 × 288 pixels)

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Close up mode

Close up mode can be used to take pictures 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

Twilight mode can be used to take pictures 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.

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.

From options menu

1. ⌾ move to **Effect**
2. Press ◉ (Select)
3. ⌾ move to the required effect
4. Press ◉ (Select)

   The following effects are available:

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

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Self timer

Self timer automatically takes a picture after a 10 second delay. After pressing the shutter, a series of ringtone 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)

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.

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Capture mode

When you press the shutter, all images are saved in **My Pictures** (see “My Media” on page 79). You can confirm and control the image 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**
   - **Effect** (available only in Wallpaper size)
   - **Rename**
   - **Properties**
   - **Delete**

Note: When the memory of your phone is nearly full, it may take some time to save the image and to **Create MMS** (to check available memory, see “Memory status” on page 81).

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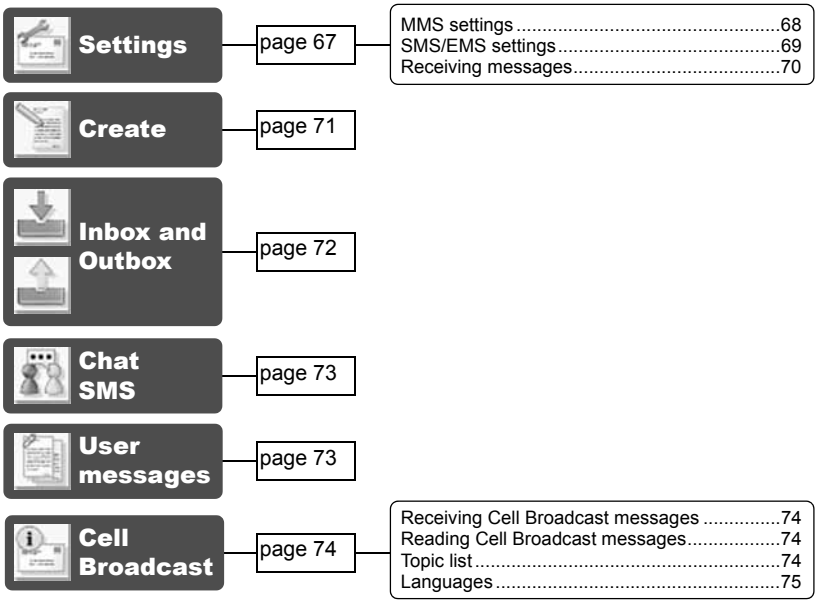

Your phone has various messaging features, including **SMS/EMS** and **MMS**. You need to customise the settings of **Messages** and **Network** before you start.

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)

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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**

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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**.

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Receiving messages

When one or more messages arrive, **New Message(s)!** dialogue and the message indicator (✉) will appear in the screen together with 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 one 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.

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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.

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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)

Note: If a call comes in while you are creating an **MMS** message, the phone may abort the message without saving it.

Note: When the memory is nearly full, your phone may take some time to insert **My Pictures** to an **MMS** message, or may fail to save a new **MMS** message (to check available memory, see "Memory status" on page 81).

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.

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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)

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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)**

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- **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. ⏣ move to **Topic list**
2. Press ◉ (Select)
3. Press ◉ (Menu)
   OR
   ⏣ move to **[New channel]** and press ◉ (Menu)
4. Press ◉ (Select) to **Insert**
5. ⏣ move to **Predefined topics** or **Manual**
6. Press ◉ (Change)
7. To select from **Predefined topics**,
   ⏣ move to the required topics
   OR
   To enter **Channel no:** manually,
   Enter **Channel no:**
8. Press ◉ (Select)

Languages

You can select the language of the message you receive.

*From **Cell Broadcast** menu*

1. ⏣ move to **Languages**
2. Press ◉ (Select)
3. ⏣ move to the required language set
4. Press ◉ (Change)
5. ⏣ move to the required language
6. Press ◉ (Select)

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Viewing the Calendar page 76

Moving the cursor 76
Creating a reminder 77
Reminder list 77

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 ⊛.

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Creating a reminder

On ***Calendar***

1. ⊙ move to the required date
2. Press ● (OK)
3. Set HOUR with 0+ – 9wxyz
   OR
   ⊙ to set HOUR
4. ⊙ move to MINUTE
5. Set MINUTE with 0+ – 9wxyz
   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.

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Deleting a reminder

On ***Calendar***

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

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My Pictures page 79
My Animations page 80
My Sounds page 81

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 ⊛.

*From **My Media** menu*

1. Press ● (Select)
2. ⊛ move to the required picture
3. Press ● (View)
   OR
   Press ▭ (Menu)
4. ⊛ move to the required function
5. Press ● (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 and Caller ID are available with JPG pictures only.

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My Animations

You can store and manage the animation files. Animation files are displayed as thumbnails. Move the cursor with ⊙.

*From **My Media** menu*

1. ⊙ move to **My Animations**
2. Press ● (Select)
3. ⊙ move to the required animation
4. Press ● (View)
   OR
   Press ▭ (Menu)
5. ⊙ move to the required function
6. Press ● (Select)
   The following functions are available:
   - **View**
   - **Rename**
   - **Delete**
   - **Properties**

Note: Only GIF format animations are available with your phone.

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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:
   - **Play**
   - **Create MMS**
   - **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)

Note: To obtain maximum performance from your phone, control the number of files for free memory space.

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Your phone contains a number of preinstalled applications.

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Games

See “Games” on page 50.

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. ⊙ move to **Alarms**
2. Press ● (Select)
3. ⊙ move to the required alarm set
4. Press ● (Select)
5. ⊙ move to the required type of alarm
   To cancel the alarm setting, select **Cancel**.
6. Press ● (Select)
7. 0+ – 9wxyz or ⊙ move and set HOUR
8. ⊙ move to the MINUTE
9. 0+ – 9wxyz or ⊙ move and set MINUTE
10. Press ● (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.

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Sound recorder

You can record and make a sound file.
*From **Applications** menu*
1. ◎ move to **Sound recorder**
2. Press ● (Select) to start recording
3. Press ▭ (**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. ◎ move to **Clock**
2. Press ● (Select)
3. Press ● (Select) **Time & date**
4. The currently set time and date is displayed

Setting time

*From **Time & date** menu*
1. Press ● (Select)
2. 0+ – 9wxyz or ◎ to change HOUR setting
3. ◎ move to MINUTE
4. 0+ – 9wxyz or ◎ to change MINUTE setting
5. Press ● (OK)

Setting date

*From **Time & date** menu*
1. ◎ move to the current date
2. Press ● (Select)
   Calendar is displayed
3. ◎ move to the current date
4. Press ● (OK)

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Format

*From **Clock** menu*

1. ⊙ move to **Format**
2. Press ● (Select)
3. ⊙ move to the required format
4. Press ● (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. ⊙ move to **Auto power on**
2. Press ● (Select)
3. 0+ – 9wxyz or ⊙ to change HOUR setting
4. ⊙ move to MINUTE
5. 0+ – 9wxyz or ⊙ to change MINUTE setting
6. Press ● (OK)
7. ⊙ move to the required setting
8. Press ● (Select)

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Auto power off

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

*From **Applications** menu*

1. ◉ move to **Auto power off**
2. Press ● (Select)
3. 0+ – 9wxyz or ◉ to change HOUR setting
4. ◉ move to MINUTE
5. 0+ – 9wxyz or ◉ to change MINUTE setting
6. Press ● (OK)
7. ◉ move to the required setting
8. Press ● (Select)

Calculator

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

*From **Applications** menu*

1. ◉ move to **Calculator**
2. Press ● (Select)
3. Enter a number with 0+ – 9wxyz (maximum 8 digits)
   If a decimal point is required, press *↑.
   Press ⌒ to add " **-** " if needed
4. Press #♪ to select an arithmetic operation
5. Enter a number (maximum 8 digits)
6. Press ● (=)

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Conversion

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

On ***Calculator***

1. Enter a number with 0+ – 9wxyz (maximum 8 digits)
2. Press ⊟ (Menu)
3. ◎ move to **Conversion**
4. Press ● (Select)
   Calculated amount is displayed.

Currency rate

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

On ***Calculator***

1. Press ⊟ (Menu)
2. ◎ move to **Currency rate**
3. Press ● (Select)
4. Enter a number with 0+ – 9wxyz up to 6 decimal places
5. Press ● (OK)

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Melody composer

You can compose your own melody and store it as a sound file.
*From **Applications** menu*
1. ◎ move to **Melody composer**
2. Press ● (Select)

Composing a melody

You can play a melody while composing.
*From **Melody composer** menu*
1. Press ● (Change)
2. Enter required notes with 0+ – 9wxyz, *↑ and #♪
3. Press ● (OK)
4. ◎ move to **Name:**
5. Press ● (Change)
6. Enter a name for the melody
7. Press ● (OK)
8. Press ⌐ (Save)

Key	1	2 abc	3 def	4 ghi	5 jkl	6 mno	7 pqrs
Note	C	D	E	F	G	A	B

Key	8 tuv	9 wxyz	0+	*↑	#♪
Note	Rest	Note length	Set octave	Dotted Note	Sharp

Format of the Notes

- The notes appear in a format like 2C4 by pressing 1.
- The first number (“2” in this case) indicates the note octave. The default value is 2. Press 0+ to change the octave from 1 to 3.
- The third character (“4” in this case) indicates the note length. The default value is 1/4. Press 9wxyz to change the note length from 1 to 1/32.
- To enter dotted notes (i.e. notes extended in length), press *↑.
- To add sharp values to notes, press #♪.
- To enter rests, press 8 tuv.

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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. (See “Data Cable” on page 91.)

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.

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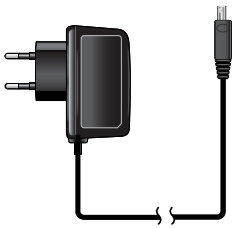
Accessory Options

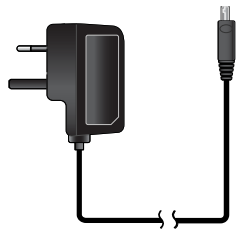
Fast Travel Charger

Carry a lightweight portable charger wherever you go to ensure you always have the power to talk. Each charger type is only available in the country/region of use.

EB-CAX500EU



EB-CAX500UK



Battery

Double your talk time by having a spare battery.

EB-BSX500

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Personal Handsfree

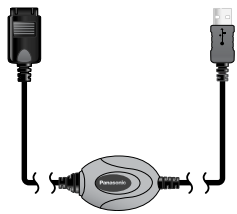
EB-EMD35

Talk and move while keeping your hands free by using this accessory. Just place the earpiece in your ear and the adaptor in the side of the handset – and talk!

Data Cable

EB-USX500

Use this to connect your phone to a PC so you can transfer data between them.



Car Charger

EB-CDG60

Top up your battery in your vehicle by attaching this accessory to your phone and to the cigarette lighter socket.

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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.

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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.

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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.

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

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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.

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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.

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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		
Password		
Phone number		
Call type	Analog/ISDN	
Transfer rate	Automatic/9600	

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