

Panasonic

Operating Instructions Part 1
Digital Cellular Phone

X300



EB-X300
Mobile Phone

GSM

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

Contents

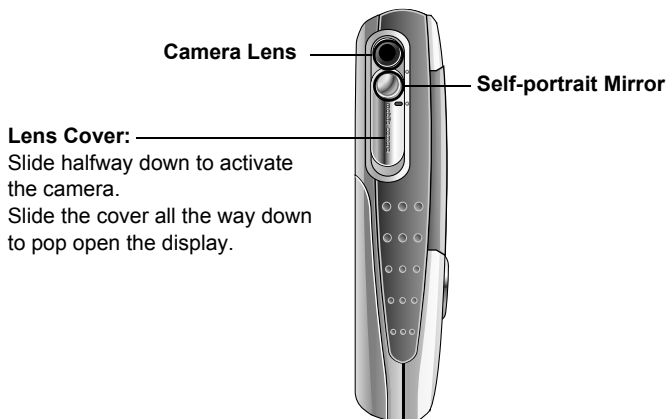
| | | | |
|---|-----------|---|-----------|
| Getting Started | 1 | Memory status | 47 |
| Your phone | 1 | My Numbers | 48 |
| Key functions | 2 | Hotkey dial | 49 |
| Displays | 4 | My Contacts | 49 |
| Fitting and removing the battery | 6 | Games Menu | 50 |
| Fitting and removing the SIM | 7 | Puddleland | 50 |
| Charging the battery | 7 | Quadball | 51 |
| Battery level indicator | 8 | Exode | 51 |
| Low battery power warning | 8 | Browser Menu | 52 |
| Symbols used in this manual | 8 | Server settings | 53 |
| Basic Operations | 9 | Starting the Browser | 54 |
| Switching the phone on/off | 9 | Bookmarks | 55 |
| Making a call | 9 | Push setting | 56 |
| Answering a call | 11 | Connectivity | 57 |
| In-call operations | 12 | Camera Menu | 58 |
| Incoming call while on a call | 14 | Your camera | 59 |
| DTMF | 16 | Taking a picture | 60 |
| Text entry | 17 | Camera settings | 63 |
| Menu Display | 20 | Recording a video clip | 67 |
| Exploring the Menus | 21 | Messages Menu | 70 |
| My Phone Menu | 22 | MMS settings | 71 |
| My Media | 23 | Creating an MMS message | 73 |
| Sounds | 26 | Sending an MMS message | 75 |
| Display | 28 | Receiving an MMS message | 75 |
| Language | 31 | Viewing an MMS message in the Outbox | 77 |
| Alerts | 32 | SMS settings | 78 |
| Profiles | 33 | Creating an SMS message | 79 |
| Auto answer | 37 | Receiving an SMS message | 80 |
| Any key answer | 37 | Viewing an SMS message in the Outbox | 81 |
| Auto key lock | 37 | User Messages | 81 |
| Shortcuts | 38 | Memory status | 82 |
| Defaults | 38 | Connectivity | 82 |
| Contacts Menu | 39 | Cell Broadcast | 83 |
| Browsing the Contacts list | 40 | Phone Menu | 86 |
| Creating a Contacts list | 44 | Call Service | 87 |
| Groups | 46 | Call Diverts | 91 |
| SDN | 46 | Security | 92 |
| Information number | 47 | | |

| | |
|---|------------|
| Network..... | 97 |
| Records Menu | 98 |
| Last dialled/Answered/ Unanswered number | 98 |
| Deleting the records..... | 99 |
| Applications Menu | 100 |
| Calendar | 101 |
| Scheduler..... | 103 |
| Notes | 105 |
| Clock..... | 106 |
| Calculator..... | 109 |
| Currency | 110 |
| Melody composer | 111 |
| Phone Menu | 112 |
| Accessory | 113 |
| CD-ROM | 113 |
| Troubleshooting..... | 114 |
| Important Error | |
| Messages | 116 |
| Glossary of Terms..... | 118 |
| Index..... | 120 |

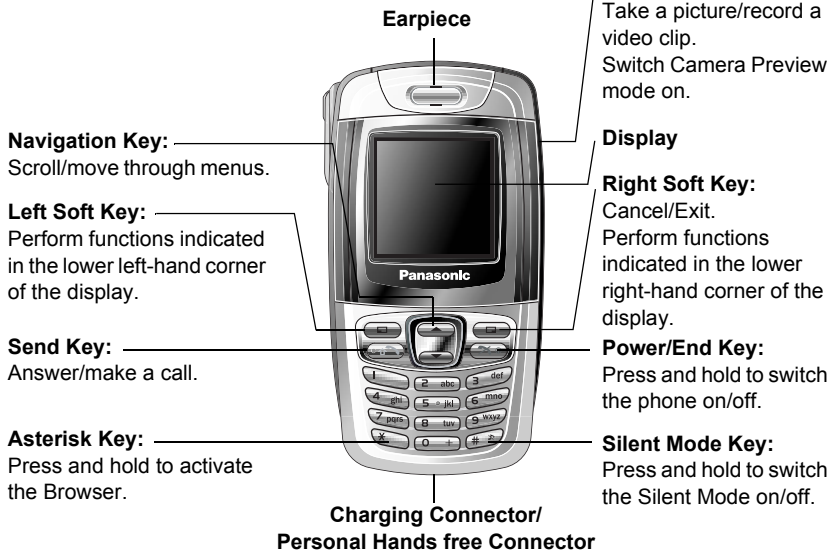
Getting Started

Your phone















(Side view)



(Front view)










Key functions

| Key | Function |
|---|---|
|  | Navigation Key: Scroll or move through menus, text and phone numbers. In idle mode, press to activate the Shortcuts menus or press and hold  to turn the Auto Key lock on. |
|  | Left Soft Key: Perform the functions indicated by text shown in the lower left-hand corner of the display. In idle mode, press to activate the Menu display, or press and hold to activate the Messages menu. |
|  | Right Soft Key: Perform the functions indicated by text shown in the lower right-hand corner of the display. Mainly used to cancel and return to the previous menu level. In text entry mode, press to delete text. In idle mode, press to access the Contacts list, or press and hold to activate the Profiles menu. |
|  | Numeric Keys: Enter numbers. Press and hold one of the keys from  to  for Hotkey dialling, or  for voice message setting. In text entry mode, enter text, numbers and characters. Press and hold  to enter a “+” (international access code) or “P” (extension number code). To dial an extension number, dial the phone number first, press and hold  to add a “P”, then enter the extension number. |
|  | Send Key: Make a call or answer a call. In idle mode, press to check the last dialled list. In text entry mode, press to switch between input methods. |
|  | Power/End Key: End/reject a call. During key operations, press to return to the previous display or press and hold to return to idle mode. In idle mode, press and hold to switch the phone on/off. |
|  | Silent Mode Key: In idle mode, press to enter “#”, or press and hold to switch the Silent Mode (Vibration on/Ring off) on/off. In text entry mode, press to switch T9 smart English input mode on/off, or press and hold to enter characters. |
|  | Asterisk Key: In idle mode, press to enter “*”, or press and hold to activate the Browser. |

During a call

Minimal menu options are available during a call by pressing the following keys.

| Key | Function |
|---|--|
|  | Activate Hands free/Hand held, Conference call, Call transfer, End, Split, Contacts list, Messages menu, Call status. |
|  | Put the call on hold or resume while connected to a calling party. Swap among calls while connected to two or more calling parties. |
|  | Increase the volume. |
|  | Decrease the volume. |
|  | Display the last dialed records list. Answer another call. If a phone number is entered, hold the active call and call the number. |
|  | Send DTMF. Press and hold  to switch the Hands free speaker on/off. |

In Camera Preview mode

Shutter Key: Press to take a picture or record a video clip.

Displays

Idle display



Idle clock

The clock appears on the display a few minutes after you press the last key.




















NOTE: All screen images in this manual are simulated.

NOTE: Some services described in this manual are network dependent or may only be available on a subscription basis. Some functions are SIM dependent. For more information, contact your service provider.

Status icons

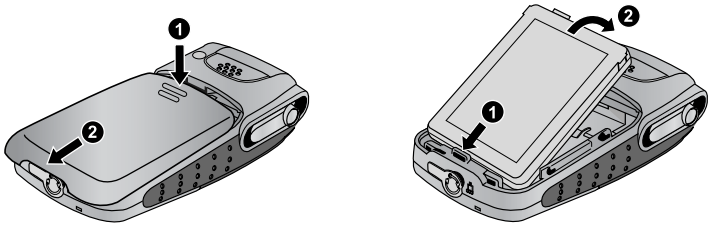
The status icons are displayed or animated according to the currently activated functions. The Antenna, Signal and Battery icons are displayed when the handset is switched on and connected to a network. If there is no network connection, the Signal icon will not be displayed.

| Icon | Meaning |
|---|---|
|  | Indicate the received signal strength – No CPHS. |
|  | Indicate the received signal strength and Line 1 is enabled. The SIM supports CPHS. |
|  | Indicate the received signal strength and Line 2 is enabled. The SIM supports CPHS. |
|  | Registered to a non-home network – roaming. |
|  | Call Diverts is on. |
|  | Auto key lock is enabled. |
|  | Message area is full. |
|  | Unread message is stored. |
|  | Voice mail indicator (voice mail has been received) |
|  | Alarm is set. |
|  | All tones or ring volume is off. |
|  | Vibration alert is on. |
|  | GPRS service is active and available. |
|  | Battery charged. |
|  | Battery is charging. |
|  | Low battery |
|  | Abnormal charging |

Fitting and removing the battery

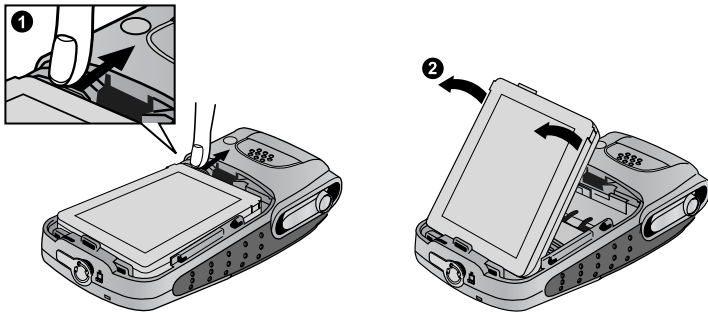
Before removing the battery, ensure that the phone is switched off and the charger is disconnected from the phone.

Fitting the battery



Remove the battery compartment cover.
Insert the battery, ensuring the 3 gold contacts align with the 3 gold pins in the phone.

Removing the battery

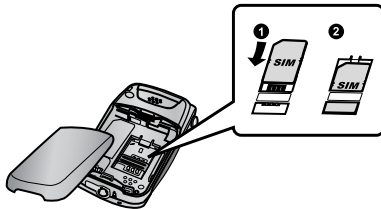


Push and hold the release latch **1** towards the top of the phone, then lift the battery out **2**.

Fitting and removing the SIM

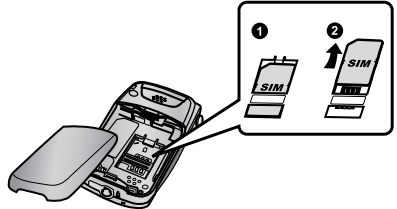
The SIM is inserted under the battery.

Fitting the SIM



Ensure the gold contacts are facing downwards before sliding the SIM into the SIM holder.

Removing the SIM



Whilst holding the tab down, slide the SIM out.

Charging the battery

Connecting and disconnecting the Travel Charger





The battery must be fitted in the phone before the charger is connected. Insert the Charging Connector into the socket at the base of the phone before connecting the charger to the mains outlet. Once connected, the Battery level indicator will start scrolling (see “Battery level indicator” on page 8). It is recommended to charge the battery for a minimum of 4 hours before first use.

NOTE: DO NOT force the connector as this may damage the phone and/or the charger. If the battery has been deeply discharged, it may take several minutes before the Battery level indicator is displayed.



When charging is complete, disconnect the charger from the outlet before removing the plug from the phone.









Battery level indicator

| Phone Status | While charging | Charging complete |
|--------------|---|---|
| Phone on |  |  |
| Phone off |  |  |

Low battery power warning



When the battery power is low, a **“Battery is low”** message will be displayed. If this occurs during conversation, finish your call immediately. The power will automatically switch off after the warning tone. Fully recharge the battery. See “Charging the battery” on page 7. (Calls can be made and received while the phone is charging.)

Symbols used in this manual

| Symbols | Meaning |
|---|---|
|  | Press Navigation Key in the direction indicated by the arrow. |
|  | Press Left Soft Key. |
|  | Press Right Soft Key. |
|  | Press Numeric Keys. |
|  | Press Send Key. |
|  | Press Power/End Key. |
|  | Press Asterisk Key. |
|  | Press Silent Mode Key. |

Basic Operations

Switching the phone on/off

1. Press and hold  for 2 to 3 seconds
2. The phone starts in idle mode
3. Press and hold  again to switch the power off





Making a call

Ensure that the signal strength meter shows network coverage is available in the current area.

> *To make a call, start in idle mode.*




Standard dialling

1. Enter the area code and phone number 
 - > *The dialled number is displayed.*
2. When the other party answers, talk into the microphone




Earpiece volume: During a call, press  to adjust the earpiece volume.



Contacts dialling



1.  (Contacts)
2.  required phone number 

Last number dialling

1. 
2.  required phone number 


International dialling

The international access code (+) and the destination country/region code should be entered, followed by the area code and phone number.


1. Press and hold  until “+” is displayed, then enter the country/region code
2. Enter the area code and phone number 

NOTE: Many countries/regions include an initial “0” in the area code. This should, in most cases, be omitted when dialling international numbers. If you have difficulties making international calls, contact your service provider.

Emergency call

To make an emergency call, the antenna () must be present.

When SIM is inserted:

Enter the emergency number 112 

When SIM is not inserted:


Enter the emergency number 112 

OR

 (SOS) > “**Emergency call**”  (Yes)

NOTE: Most countries support the international emergency number 112. If you find the number does not work on your phone, please call your service provider. Making emergency calls without a SIM is country or network operator dependent.

Ending a call

To hang up, 

- > *The duration of the call will be displayed.*
- > *If **Max cost** is on, the remaining units will be displayed.*
For setting “Max cost”, please refer to page 90.

Answering a call



OR

If “Any key answer” is on,

In idle mode

press any key except (Power)

(See “Any key answer” on page 37.)

Rejecting an incoming call:

Press (Power)

Ring volume:

From **My Phone**

1. **Sounds > Volume** (Select)
2. required ringtone (Select)
3. adjust the volume level (OK)



One click mute on incoming call:

To set the ringtone and the vibration off,

(Mute)

- To answer the call when Mute is enabled, (Reply)
- To reject the call when Mute is enabled, (Reject)

In-call operations

During a call, the following options are available by pressing  (Menu) or  (Hold).

Hands free/Hand held

You can switch the phone between hands free and hand held.




During a call:

1.  (Menu)
2.  **Hands free** or **Hand held**  (Select)

Contacts list

You can access the Contacts list that is stored in the SIM or in your phone.

During a call:




1.  (Menu)
2.  **Contacts list**  (Select)

Messages

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

Please refer to “Creating an MMS message” on page 73 or “Creating an SMS message” on page 79.


During a call:

1.  (Menu)
2.  **Messages**  (Select)

Hold

You can put a call on hold.

During a call:

 (Hold)


To resume:

 (Retrieve)

NOTE: Hold is network dependent.

Making a second call

During a call:





1. Enter the second phone number or select a phone number from the Contacts list
(see “Contacts list” on page 12)
2. 
The first call is put on hold

NOTE: Making a second call is network dependent.

Incoming call while on a call

NOTE: Call waiting must be on – see “Call waiting” on page 87.
Call waiting is network dependent.




During a call, you may receive another call.

1. To answer another call,  (The first call is placed on hold.)
To disconnect another call,  (Reject)
2. During a conversation with a second caller, the following options are available by pressing  (Menu) or  (Swap):

Conference

To create a conference call, you must be connected to more than one call.
In a conference call, you can talk with up to 5 parties.

During a call:




1.  (Menu)
2.  **Conference**  (Select)

NOTE: Conference is network dependent.

Call transfer

Call transfer connects your calling party to the other party on hold, then disconnects your line, leaving the two callers in the conversation.

During a call:




1.  (Menu)
2.  **Call transfer**  (Select)

NOTE: Call transfer is network dependent.

End

You can select one of the calls to disconnect while in a conference call.

During a call:

1.  (Menu)
2.  **End**  (Select)

Split

You can separate an individual from the active conference call.

During a call:







1.  (Menu)
2.  **Split**  (Select)

NOTE: Split is network dependent.




Call status

Call status allows you to disconnect the line or put a call on hold with the active party. You can also activate a call that is put on hold.

During a call:

1.  (Menu)
2.  **Call status**  (Select)
3.  required active call  (Select)
4.  (End) to disconnect the line


OR

-  (Hold) to put the call on hold
- To resume,  (Back).
- You can activate the required inactive call by pressing  (Join) in step 3.

Swap

When you are connected to two calls, you can switch between the active call and the held call.





During a call:

 (Swap) to switch to the other call on hold

DTMF



DTMF can be sent during a conversation. 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 the Contacts together with a DTMF sequence, allowing the number to be dialled upon recall and the DTMF sequence to be sent automatically.

To send DTMF during a call:

Enter digits ( ~ ,  or ).

Pause dial

Using pauses allows you to send DTMF automatically.

1. Enter the phone number
 2. Press and hold  until a "P" is displayed at the end of the phone number entered
 3. Enter the DTMF digits after the pause, e.g. enter the number to access voice mail messages
 4. 
- > *When the call is connected, the DTMF sequence will be sent after 3 seconds.*

Text entry

You can use alphanumeric characters to enter text:


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

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

Use to toggle T9® on/off.


In T9® mode, press repeatedly until the correct word is displayed. When “-” is reached, press to spell the word you require.

Shift mode change

In text entry mode, you can change mode by pressing and holding .

| Multi tap | Tegic |
|-----------------------|-----------------------------|
| abc → Abc → ABC → 123 | T9abc → T9Abc → T9ABC → 123 |

Text entry mode change

In text entry mode, to switch T9 mode on/off, press .

Auto capital change


Auto capital affects Abc and T9Abc.

When the entry mode is changed to Abc or T9Abc, the first character is input as upper case and subsequent letters as lower case.

When one of the following characters [. (Period) or ! or ?] is input before a space, the next character is input as upper case.







T9[®] Text input:

Using this mode of text entry dramatically reduces the required number of key presses.

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. Then continue to the next word.

Example of Text entry in T9Abc Mode

To type a new message, follow these steps:

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

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

T9® languages can be selected from T9 input – see “T9® input” on page 31. If the word you require is not in the internal dictionary, it should be entered using the Multi tap mode.

Other text modes

Multi tap mode (abc, Abc or ABC):

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

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




Menu Display





NOTE: Menu display contents are dependent on your SIM.

The menu system allows you to access functions which do not have their own dedicated buttons on the keypad.

In idle mode

1.  (Menu)
The main menu display has 9 menu options
(see “Exploring the Menus” on page 21)
2.  required menu  (Select)

To go back to the Menu display:

 or  repeatedly until the Menu display returns.

Exploring the Menus

The 9 main menus are as follows:



My Phone

| | |
|----------------------|----|
| My Media | 23 |
| Sounds | 26 |
| Display | 28 |
| Language | 31 |
| Alerts | 32 |
| Profiles | 33 |
| Auto answer | 37 |
| Any key answer | 37 |
| Auto key lock | 37 |
| Shortcuts | 38 |
| Defaults | 38 |



Contacts

| | |
|--------------------------|----|
| Browse | 40 |
| Create | 44 |
| Groups | 46 |
| SDN | 46 |
| Information number | 47 |
| Memory status | 47 |
| My Numbers | 48 |
| Hotkey dial | 49 |
| My Contacts | 49 |



Games

| | |
|------------------|----|
| Puddleland | 50 |
| Quadball | 51 |
| Exode | 51 |



Browser

| | |
|---------------------|----|
| Start browser | 54 |
| Bookmarks | 55 |
| Settings | 53 |
| Push setting | 56 |
| Connectivity | 57 |



Camera

| | |
|---------------------------|----|
| - (Camera) | |
| Camera Preview mode | 60 |
| Still Picture mode | 60 |
| - (Video) | |
| Video Preview mode | 67 |
| Still Picture mode | 67 |



Messages

| | |
|----------------------|--------|
| Create | 73, 79 |
| Inbox | 75, 80 |
| Outbox | 77, 81 |
| User Messages | 81 |
| Memory status | 82 |
| Settings | 71, 78 |
| Connectivity | 82 |
| Cell Broadcast | 83 |



Phone Menu (or STK)*

| | |
|--------------------|----|
| Call Service | 87 |
| Call Diverts | 91 |
| Security | 92 |
| Network | 97 |



Records

| | |
|----------------------|----|
| Last dialled | 98 |
| Answered | 98 |
| Unanswered | 98 |
| Delete records | 99 |



Applications

| | |
|-----------------------|-----|
| Calendar | 101 |
| Scheduler | 103 |
| Notes | 105 |
| Clock | 106 |
| Calculator | 109 |
| Currency | 110 |
| Melody composer | 111 |
| (Phone Menu) | 112 |



* STK (SIM Tool Kit) is SIM dependent.

My Phone Menu

My Phone



My Media

| | |
|----------------------------|----|
| <i>My Pictures</i> | 23 |
| <i>My Sounds</i> | 24 |
| <i>My Videos</i> | 24 |
| <i>User 1 ~ 4</i> | 25 |
| <i>Memory status</i> | 25 |

Sounds

| | |
|----------------------------|----|
| <i>Volume</i> | 26 |
| <i>Ringtones</i> | 27 |
| <i>Keystone</i> | 27 |
| <i>Warning tone</i> | 27 |
| <i>Shutter sound</i> | 28 |

Display

| | |
|--------------------------------|----|
| <i>Wallpaper</i> | 28 |
| <i>Greeting</i> | 29 |
| <i>Animation</i> | 29 |
| <i>Contrast</i> | 29 |
| <i>Brightness</i> | 30 |
| <i>Colour themes</i> | 30 |
| <i>Hide network name</i> | 30 |

Language

| | |
|--------------------------------|----|
| <i>T9 input</i> | 31 |
| <i>Display Languages</i> | 31 |

Alerts

| | |
|---------------------------------|----|
| <i>Ring only</i> | 32 |
| <i>None</i> | 32 |
| <i>Ring & Vibrate</i> | 32 |
| <i>Vibrate only</i> | 32 |
| <i>Ring once</i> | 32 |

Profiles

| | |
|-----------------------|----|
| <i>Normal</i> | 33 |
| <i>Quiet</i> | 33 |
| <i>Outdoors</i> | 33 |
| <i>Headset</i> | 33 |
| <i>Meeting</i> | 33 |
| <i>Customer</i> | 33 |

Auto answer

37

Any key answer

37

Auto key lock

37

Shortcuts

38

Defaults









38

My Media

My Pictures

Pictures taken by the built-in camera or images downloaded from the Internet are stored in the My Pictures folder.

From My Phone

1.  **My Media**  (Select)
2.  **My Pictures**
 (Select)
3.  required picture
 (Select)
4.  required option
 (Select)











The following options are available after selecting the picture:

- *View*
- *Send via MMS*
- *Set as wallpaper*
- *Rename*
- *Copy*
- *Cut*
- *Paste*
- *Delete*
- *Delete all*

My Sounds

Downloaded sounds are stored in the My Sounds folder.

From **My Phone**

1.  **My Media**  (Select)
2.  **My Sounds**  (Select)
3.  required sound  (Select)
4.  required option  (Select)

The following options are available after selecting the sound:

- **Send via MMS**
- **Set as ringtone**
- **Rename**
- **Copy**
- **Cut**
- **Paste**
- **Delete**
- **Delete all**

My Videos

Video clips recorded by the built-in video recorder are stored in the My Videos folder.

From **My Phone**

1.  **My Media**  (Select)
2.  **My Videos**  (Select)
3.  required video  (Select)
4.  required option  (Select)

The following options are available after selecting the video clip:

- **View**
- **Send via MMS**
- **Rename**
- **Copy**
- **Cut**
- **Paste**
- **Delete**
- **Delete all**

User 1 ~ 4

You can also store your pictures, videos and sounds in the user defined folders:

From My Phone

1. **My Media** (Select)
2. **My Pictures, My Sounds or My Videos** (Select)
3. required file (Select)
4. **Copy** (Select)
5. (Back)
6. **User 1, User 2, User 3 or User 4** (Select)
7. (Select) **Paste** (Select)

Memory status

From My Phone

1. **My Media** (Select)
2. **Memory status**
 (Select)

> *The available memory space and used memory space are displayed.*











Sounds

Volume

You can change the volume of the following events:

- *Other call*
- *Contacts call*
- *Alarm*
- *Messages*
- *Cell Broadcast*
- *Group 1 ~ 10*

From **My Phone**

1.  **Sounds**  (Select)
2.  **Volume**  (Select)
3.  required events
 (Select)
4.  adjust the volume level
 (OK)



Ringtones

You can change the ringtones of the following events:

- **Other call**
- **Contacts call**
- **Alarm**
- **Messages**
- **Cell Broadcast**
- **Group 1 ~ 10**

From **My Phone**

1. **Sounds** (Select)
2. **Ringtones** (Select)
3. required event (Select)
4. **Embedded melody, Downloaded melody or Composed melody** (Select)
5. required ringtone (Select)

Keytone

The keytone is the sound you hear when you press a key.

From **My Phone**

1. **Sounds** (Select)
2. **Keytone** (Select)
3. **Off, Tone 1, Tone 2 or Tone 3** (Select)



Warning tone

The warning tone informs you of low battery.

From **My Phone**

1. **Sounds** (Select)
2. **Warning tone** (Select) > **On/Off**

Shutter sound

The phone makes a shutter sound when you take a picture.

From **My Phone**

1. **Sounds** (Select)
2. **Shutter sound**
 (Select)
3. **Shutter sound 1, 2, or 3**
 (Select)



Display

Wallpaper

You can change the wallpaper on the idle display.

From **My Phone**

1. **Display** (Select)
2. **Wallpaper** (Select)
3. **Default image,**
Download image
 (Select)
4. required wallpaper
 (Options)
5. **Select** (Select)
➤ In step 3, select **Off** to show no wallpaper on the idle display.



Greeting

You can create a greeting message that is displayed each time the phone is switched on.

From My Phone

1. **Display** (Select)
2. **Greeting** (Edit)
3. Enter the greeting (OK)
4. (On/Off)



Animation

You can change the animation that is displayed when the phone is switched on.

From My Phone

1. **Display** (Select)
2. **Animation** (Select)
3. **Animation 1** or **Animation 2** (Select)

Contrast

You can adjust the contrast of the display.

From My Phone

1. **Display** (Select)
2. **Contrast** (Select)
3. adjust the contrast (OK)



Brightness

You can adjust the brightness of the display.

From **My Phone**

1. **Display** (Select)
2. **Brightness** (Change)
3. **Maximum, High, Medium, or Low** (Select)

Colour themes

You can change the colour themes on the display.

From **My Phone**

1. **Display** (Select)
2. **Colour themes**
 (Change)
3. required colour theme
 (Select)



Hide network name

You can hide the network name which is shown in Idle mode.

From **My Phone**







1. **Display** (Select)
2. **Hide network name** (Select) > **On/Off**

Language

T9[®] input

When you create text, this function dramatically reduces the number of key presses.




From **My Phone**

1.  **Language**  (Select)
2.  **T9 input**  (Select)
3.  required input type  (Change) > **On/Off**

Display Languages

It is possible to change the display language on your phone.





From **My Phone**

1.  **Language**  (Select)
2.  **Display Languages**  (Select)
3.  required language  (Select)

Alerts

You can set your phone to ring and/or vibrate when you receive a call or message.

From **My Phone**

1.  **Alerts**  (Select)
2.  required alert
 (Select)

The following options are available when a call or message is received:

- *Ring only*
- *None*
- *Ring & Vibrate*
- *Vibrate only*
- *Ring once*









Profiles

Activating a profile

You can switch between 6 different profiles in your phone, each with a distinct combination of alert method, ringtone, etc. Profiles are set up for use in different environments.

From **My Phone**

1.  **Profiles**  (Select)
2.  required profile  (Options)
3.  **Activate**  (Select)

The following profiles are available:

| | |
|-----------------|--|
| Normal | Suitable for everyday settings. |
| Quiet | Ringtone for formal occasions. |
| Outdoors | For noisy environments. |
| Headset | Ringling with vibration when it is difficult to hear the ringtone. |
| Meeting | For meetings. |
| Customer | For business settings. |

Setting a profile

You can customise a profile by changing the alerts, volume, keytone, warning tone, and/or brightness.



Alerts:

From **My Phone**

1. **Profiles** (Select)
2. required profile (Options)
3. **Change settings** (Select)
4. **Alerts** (Select)
5. required alert (Select)

The following options are available when a call or message is received:

- *Ring only*
- *None*
- *Ring & Vibrate*
- *Vibrate only*
- *Ring once*

Volume:

From My Phone

1. **Profiles** (Select)
2. required profile (Options)
3. **Change settings** (Select)
4. **Volume** (Select)
5. required event (Select)
6. adjust the volume level (OK)



You can change the ring volume of the following events:
(See “Sounds” on page 26 for details.)

- **Other call**
- **Contacts call**
- **Alarm**
- **Messages**
- **Cell Broadcast**
- **Group 1 ~ 10**









Keytone:

From My Phone

1. **Profiles** (Select)
2. required profile (Options)
3. **Change settings** (Select)
4. **Keytone** (Select)
5. **Off, Tone 1, Tone 2 or Tone 3** (Select)











Warning tone:

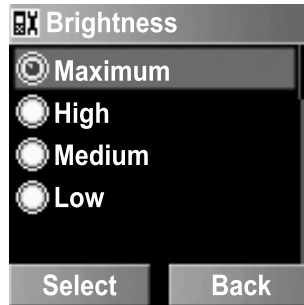
From **My Phone**

1.  **Profiles**  (Select)
2.  required profile  (Options)
3.  **Change settings**  (Select)
4.  **Warning tone**  (Select) > **On/Off**

Brightness:

From **My Phone**

1.  **Profiles**  (Select)
2.  required profile  (Options)
3.  **Change settings**  (Select)
4.  **Brightness**  (Select)
5.  **Maximum, High, Medium or Low**  (Select)



Auto answer

When you use the optional personal hands free earpiece, you can answer a call automatically.

From **My Phone**

 **Auto answer**  (Change) > **On/Off**

Any key answer

Calls can be answered by pressing any key (except )



From **My Phone**

 **Any key answer**  (Change) > **On/Off**

Auto key lock

The Auto key lock is used to prevent any keys from being pressed accidentally e.g. when the phone is being carried. This function automatically turns on shortly after the phone returns to Idle mode.

From **My Phone**





 **Auto key lock**
 (Change) > **On/Off**



Shortcuts

It is possible to make the shortcut for the specific menu so that you can access the menu directly from Idle mode.

From **My Phone**





1.  **Shortcuts**  (Select)
2.  required menu
 (Change) > **On/Off**



Defaults

All personal settings are returned to their factory default settings.

From **My Phone**

1.  **Defaults**  (Select)
2. **“Restore default settings?”**
 (Yes) or  (No)



Contacts Menu

Contacts



| | |
|---------------------|--------------------------------|
| Browse | SIM 40 Phone 40 |
| Create | SIM 44 Phone 44 |
| Groups | Group 1 ~ 10 46 |
| SDN | 46 |
| Information number* | 47 |
| Memory status | 47 |
| My Numbers | 48 |
| Hotkey dial | 49 |
| My Contacts | SIM 49 Phone 49 |

* Information number is SIM dependent.

Browsing the Contacts list

Viewing the Contacts list in your SIM/Phone

You can search for a number in the Contacts list.

From **Contacts**

1. **Browse** > **SIM** or **Phone**
 (Select)
 2. required contact entry
 (View)
- OR
- > *Enter a letter to find a contact beginning with the specific letter*
- (Options) >
- View** (Select)



Editing the Contacts list









From **Contacts**

1. **Browse** > **SIM** or **Phone**
 (Select)
2. required contact entry
 (Options)
3. **Edit** (Select)
4. Enter the name
5. Enter the phone number
6. (Change) required location
7. (Change) required record number (Save)










Deleting a Contacts entry

From Contacts

1.  **Browse > SIM or Phone**  (Select)
2.  required contact entry  (Options)
3.  **Delete**  (Select)
4. **“Delete this entry?”**
 (Yes) or  (No)









Deleting all Contacts entries

From Contacts

1.  **Browse > SIM or Phone**  (Select)
2.  (Options)
3.  **Delete all**  (Select)
4. **“Delete all entries?”**  (Yes) or  (No)

Copying the Contacts entries to your SIM/Phone









From Contacts

1.  **Browse > SIM or Phone**
 (Select)
2.  required contact entry
 (Options)
3.  **Copy to Phone or Copy to SIM**  (Select)
4. **“Copy entry to phone?”** or **“Copy entry to SIM card?”**
 (Yes) or  (No)












Copying all Contacts entries to your SIM/Phone

From **Contacts**

1.  **Browse > SIM or Phone**  (Select)
2.  required contact entry  (Options)
3.  **Copy all to Phone or Copy all to SIM**  (Select)
4. **“Copy all entries to phone?” or “Copy all entries to SIM card?”**  (Yes) or  (No)

Sending as SMS

From **Contacts**

1.  **Browse > SIM or Phone**  (Select)
2.  required contact entry  (Options)
3.  **Send SMS**  (Select)
4. Enter text  (Options)
5.  required option  (Select)













The following options are available:

- **Send**
- **Save**
- **Save & send**
- **Picture & sound**
- **Format**
- **User Messages**

➤ Please see “Creating an SMS message” on page 79 for details.

Sending as MMS

From **Contacts**

1.  **Browse** > **SIM** or **Phone**  (Select)
2.  required contact entry  (Options)
3.  **Send MMS**  (Select)
4.  (Insert)
5.  required media to insert  (Select)
6.  (Options)
7.  required option  (Select)

The following options are available when adding a required item to your MMS message:

- ***Insert picture***
- ***Insert text***
- ***Insert video***
- ***Insert sound***
- ***Insert page***

The following options are available after completing your MMS message:

- ***Send***
 - ***Store***
 - ***Delete items***
 - ***Info***
 - ***Page timing***
 - ***Preview page***
 - ***Preview MMS***
- *Please see “MMS Options” on page 74 for details.*

Creating a Contacts list

Storing a Contacts entry in your SIM

From **Contacts**


1. **Create** (Select)
 2. **SIM** (Select)
 3. Enter the name
 4. Enter the phone number
 5. (Change) required location
 6. (Change) required record number (Save)
- *“Saved in SIM card” is displayed.*
- You can select the country code by pressing (+List) in step 4.

NOTE: The length and amount of data are SIM dependent.

Storing a Contacts entry in your phone

From **Contacts**

1. **Create** (Select)
2. **Phone** (Select)
3. Enter the name
4. Enter the phone number
5. Enter the office phone number
6. Enter the mobile phone number
7. Enter the E-mail address
8. Enter notes
9. (Change) required group
10. (Options) > **Change** (Select) >
 required caller ID (Select)
11. (Options) > **Change** (Select) >
 required melody (Select)
12. When entries are completed, (Options)
13. **Save** (Select)












- “**Saved in phone**” is displayed.
- You can select the country code by pressing  (+List) in step 4.
- The entries are grouped together and are retained even if you damage your SIM.

FDN


Storing a Contacts entry in FDN:

To store a fixed dial number, you need to enter your PIN2 code. The Fixed dial feature allows you to limit your outgoing calls to a certain set of numbers saved in FDN, which is located in your SIM. When this function is on, only the Fixed dial numbers can be dialled, and any attempt to call any other number will fail.

From **Contacts**

1.  **Create**  (Select)
2.  **SIM**  (Select)
3. Enter the name 
4. Enter the phone number 
5.  (Change) **FDN** 
6.  (Change) required record number  (Save)
7. Enter your PIN2  (OK)









- To activate the Fixed dial function, see page 95 for details.
- When the Fixed dial function is enabled, only the Contacts entries stored in FDN can be edited.
- When the Fixed dial function is disabled, the Contacts entries stored in FDN and ADN can be edited.
- You can select the country code by pressing  (+List) in step 4.

Groups

You can categorise the Contacts list stored in your phone into 10 groups. You can select a particular ringtone for each group to identify the incoming call.

From **Contacts**

1.  **Groups**  (Select)
2.  required group  (Options)
3.  required option  (Select)







The following options are available:

| | |
|-----------------------|--|
| View | View the Contacts entries in the selected group. |
| Set ringtone | Set the required ringtone. |
| Set image | Set the required icon to identify the group. |
| Rename | Rename the group. |
| Remove entries | Delete all Contacts entries in the selected group. |

SDN

The SDN is a number provided by your network operator. These numbers are stored in the GSM-based SIM. You can view the list of SDNs or call the required SDN.

From **Contacts**

1.  **SDN**  (Select)
2.  required SDN  (Select) to call the number

OR

 (View) to view the details

Information number

The Information number is sometimes included in a SIM which supports CPHS and Information Dialling Number.

From **Contacts**

1. **Information number** (Select)
2. required information number (Select)

NOTE: Information number is SIM dependent.

Memory status

Memory status shows how many locations are available in the Contacts list.

From **Contacts**

- Memory status** (Select)

Maximum memory capacity:

- **ADN: 255 locations**
(SIM dependent)
- **FDN: 50 locations**
(SIM dependent)
- **Phone: 500 locations**

- *ADN (Abbreviated Dialling Number) is used for quick access to frequently dialled numbers.*



My Numbers

My Numbers is a handy phone book where names and phone numbers can be stored and viewed.

From **Contacts**

1. **My Numbers** (Select)
2. **< Empty >** (Options)
3. **Edit** (Select)
4. Enter the phone number
5. Enter the name (Save)

After storing My Numbers entries, you can view the entries by pressing (View).

The following options are available by pressing (Options) in step 2 when you select the required entry:











| | |
|---------------|---------------------------------------|
| View | View the selected My Numbers entry. |
| Edit | Edit the selected My Numbers entry. |
| Delete | Delete the selected My Numbers entry. |

Hotkey dial

Setting the Hotkey dial

You can quickly dial phone numbers stored at locations 002 ~ 009 in the Contacts list.

From **Contacts**

1.  **Hotkey dial**  (Select)
 2.  required Hotkey  (Edit)
 3.  required Contacts entry  (Select)
 4. **“Switch on hotkey setting”**  (Yes) or  (No)
 5.  required Hotkey  (On/Off)
- *You must assign a required Contacts entry a Hotkey before switching the Hotkey on/off.*

NOTE: This function is SIM dependent.

Using the Hotkey dial

In idle mode

Press and hold a numeric key ( ~ )

My Contacts

You can select SIM or Phone so that the Contacts list directly accessed from Idle mode is set to the SIM or Phone Contacts list.

From **Contacts**

1.  **My Contacts**  (Select)
2.  **SIM or Phone**  (Select)

Games Menu

Games



Puddleland 50

Quadball 51

Exode 51

To select the game:

From **Games**

Puddleland, **Quadball** or **Exode** (Select).

Puddleland

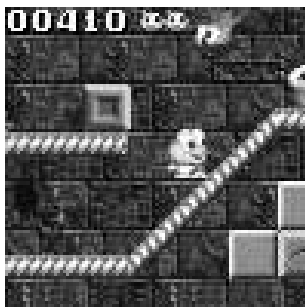
You cannot help falling in love with the cute little frog making his way by swallowing his enemies and spitting them out. Even the monsters are adorable. But don't be mistaken by the brilliant and lovable characters. This is a challenging platform game, where you need to keep on your toes if you want to stay ahead.

To start the game:

Press to select **START**, then press .

Key operation:


or (move left),
 or (move right),
, or (down),
, or (jump),
 (swallow and spit out),
 (Quit), or (pause).















Quadball

You direct the differently coloured bubbles, and they merge with bubbles of the same shape.

To start the game:

Press  to start the game.

Key operation:

 or  (left),
 or  (right),
 or  (rotate left),
 or  (rotate right),
 or  (quickly down),
 or  (paused).








Exode

The ball bounces off the walls and the bar that you control. You pick up different objects that fall down when you destroy the “bricks”.

To start the game:

Press  or  to start the game.

Key operation:

 or  (left),
 or  (right),
 (start),
 or  (paused).

Browser Menu

Browser



Start browser 54

Bookmarks 55

Settings 53

Push setting

Always all 56
Always none 56
Always this specific SMS centre ... 56

Connectivity





CSD settings 57
GPRS settings 57
GPRS info 57


Server settings

The phone's WAP (Wireless Application Protocol) Browser enables you to access Internet services supported by the network, such as news, weather reports, sports etc. Before Internet services can be accessed, you need to subscribe to your network operator or Internet service provider (ISP) to enable the relevant configuration information. Please contact your network service provider if you have problems with your network settings.

NOTE: Modifying the default settings may cause failure of the Browser.

From **Browser**

1.  **Settings**  (Select)
2.  required server
 (Edit)

Five server settings can be set up in the phone. If you find your server's name under the settings option, select the server and  (Edit).

If no settings are present, contact your network service provider for these settings.



You can edit the following settings:

- **Server name**
- **IP address**
- **IP port**
- **Homepage**
- **Linger time**
- **Connection (Auto, CSD or GPRS)**
- **CSD settings**
- **GPRS settings**



NOTE: You need to set **CSD settings** or **GPRS settings** before setting the server information. See "Connectivity" on page 57.





Those configuration options will be given by your network service provider.

After completing the entry, press  (Save), then press  (Launch).

The first time that the Browser is activated there will be no content stored so the Home URL content will be displayed (as defined by the network operator). The Home URL will be recalled from the cache each time the Browser is activated (the cache is the phone's memory that stores content downloaded in the past).

Starting the Browser

From **Browser**

1.  **Start browser**  (Select)
2. Follow the instructions on the display
 - *While browsing a home page, press . The menus below will be displayed.*
 - *To end the Browser, press and hold .*








| | |
|-------------------|--|
| Home | Jump to the home page which is pre-defined in Settings . |
| Bookmarks | Select one of your bookmarks and jump to the page, or bookmark the page. |
| Save Items | Save items in the currently displayed page. |
| Reload | Reload and update the currently displayed page. |
| Go To URL | Enter a URL and jump to the currently displayed page. |
| Show URL | Display the URL of the currently displayed page. |
| SnapShots | Capture the screen image of the currently displayed page. |
| Advanced | Inbox, Restart Browser and About... can be selected. |
| Settings | Scroll Mode, Downloads, View Title Region, Security and Send Referrer can be selected. |

Bookmarks

Once you set your favourite page as a bookmark, you can quickly jump to the page.


Adding the Bookmark from the Browser menu

From **Browser**

1.  **Bookmarks**
 (Select)
2.  required empty bookmark
 (Options)
3.  **Edit**  (Select)
4. Enter the title and URL
 (Save)

To bookmark **Panasonic Box**:

Enter

http://wap.panasonicbox.com
in step 4, then press  (Save).



NOTE: Panasonic Box is network dependent.






Adding the Bookmark to the home page

From **Browser**

1.  **Start browser**  (Select)
2. Press the **Openwave** icon








OR



3.  **Bookmarks**  (Select)
4.  **Mark Site** 
5.  (Save) to save the URL

Viewing the Bookmark

From **Browser**

1.  **Bookmarks**
 (Select)
 2.  required bookmark
 (Options)
 3.  **Launch**  (Select)
- You can press  (Launch) in step 2 after selecting the required bookmark.







NOTE: This service is network dependent or may only be available on a subscription basis.

Push setting

You can set the push setting to decide how you want to receive push messages sent by your service provider.

From **Browser**

1.  **Push setting**  (Select)
2.  **Always all, Always none** or **Always this specific SMS centre**  (Select)

Connectivity

You must set the data connections (GPRS and CSD settings) before setting the server information.

From **Browser**

1. **Connectivity** (Select)
2. **CSD settings, GPRS settings or GPRS info** (Select)
3. required setting (Select)
4. Edit the required information (Save)

You can edit the following after selecting the required connection setting:

CSD settings:

- *Server name*
- *Call type (ISDN/Analogue)*
- *Dial number*
- *Login name*
- *Password*

GPRS settings:

- *Server name*
- *GPRS APN*
- *Login name*
- *Password*
- *Authentication*
(Activate/Deactivate)



GPRS info:

You can also select the **GPRS info** in step 2 to view the memory and duration of the GPRS service used.

Camera Menu

Camera



Camera

Camera Preview mode

| | |
|-----------------------|----|
| Video | 67 |
| Self timer | 63 |
| Twilight | 63 |
| Close up mode | 64 |
| Image size | 64 |
| Brightness..... | 65 |
| Quality | 65 |
| Special effects | 65 |
| Frame | 66 |
| Anti flicker | 66 |
| Defaults | 66 |

Still Picture mode

| | |
|------------------------|----|
| Viewfinder | 61 |
| Send via MMS | 62 |
| Set as wallpaper | 62 |
| View pictures | 62 |

Video

Video Preview mode

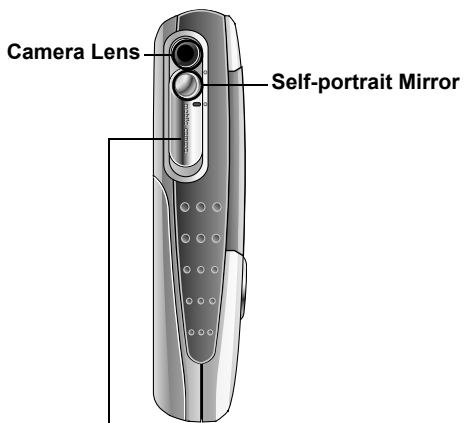
| | |
|----------------|----|
| Camera | 60 |
| Quality | 67 |
| Defaults | 67 |

Still Picture mode

| | |
|--------------------|----|
| Play | 68 |
| Viewfinder | 68 |
| Send via MMS | 68 |
| View videos | 69 |

Your camera

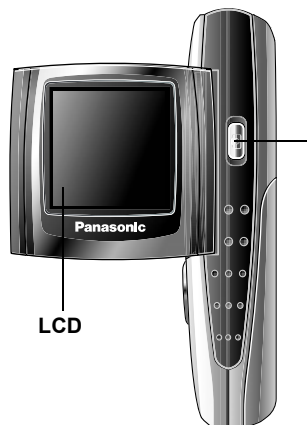
(Left side view)



Lens Cover:

Slide the cover halfway down to turn the Camera Preview mode on. When the cover is in the uppermost position, the Camera Preview mode is off. When the cover is slid all the way down, the LCD pops open.

(Right side view: LCD Open)



Shutter Key:

Press to take a picture or record a video clip. If the Camera Preview mode is not on even with the Lens Cover open, press to turn the Camera Preview mode on.

Taking a picture

You can take pictures with the built-in camera and send them in multimedia (MMS) e-mail messages. You can also use them as wallpaper.

Camera Preview mode:

In Idle mode or from the Camera menu, slide the Lens Cover halfway down to launch the Camera Preview mode. You can also turn the Camera Preview mode on by pressing the Shutter Key if the Camera Preview mode is not on even with the Lens Cover open.

Still Picture mode:










In Camera Preview mode, press the Shutter Key to take a picture. The display then turns into the Still Picture mode.

In Camera Preview mode

Press the Shutter Key to take a picture.





Key functions in Camera Preview mode

| Key | Function |
|---|--|
|  | Press to zoom in. |
|  | Press to zoom out. |
|  | Press to activate the camera function menu: Self timer, Twilight, Close up mode, Image Size, Brightness, Quality, Effect and Frame. When the menu appears on the display, press  ~  to activate the required function. |
|  | Press to display the camera function icons: Self timer, Twilight, Close up mode, Image Size, Brightness and Quality. When the icons appear on the display, press  ~  to activate the required function. |
|  | Press to activate the camera functions: Self timer, Twilight, Close up mode, Image Size, Brightness, Quality, Effect and Frame. |




Zoom

In **Camera Preview** mode

Press  to zoom in or  to zoom out.

Viewfinder












In **Still Picture** mode

1.  (Options)
2.  **Viewfinder**  (Select)

> *The viewfinder brings you back to the Camera Preview mode.*

Sending the picture via MMS

In **Still Picture** mode

1.  (Options)
2.  **Send via MMS**  (Select)
3.  (Insert) to add multimedia files
4.  (Options)
5.  **Send**  (Select)
6.  enter the required information  (Options)
7.  **Send**  (Select)



Setting the picture as Wallpaper

In **Still Picture** mode

1.  (Options)
2.  **Set as wallpaper**  (Select)

Viewing the stored picture

In **Still Picture** mode






1.  (Options)
2.  **View pictures**  (Select)
3.  required picture  (Select)

Camera settings

Self timer

The self timer delays shooting for 10 seconds.

In **Camera Preview** mode






1.  (Options)
2.  **Self timer**  (Select)
3.  **On or Off**  (Select)



Twilight

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

In **Camera Preview** mode

1.  (Options)
2.  **Twilight**  (Select)
3.  **On or Off**  (Select)

Close up mode

You can turn the close up mode on when taking a picture at a close range.

In **Camera Preview** mode









1.  (Options)
2.  **Close up mode**
 (Select)
3.  **On or Off**  (Select)



Image size

You can make your picture larger or smaller.

In **Camera Preview** mode

1.  (Options)
2.  **Image size**  (Select)
3.  required image size  (Select)

The following image sizes are available:

- **128 × 96** (pixels)
- **640 × 480** (pixels)
- **352 × 288** (pixels)
- **320 × 240** (pixels)
- **176 × 144** (pixels)
- **160 × 120** (pixels)

Brightness

You can adjust the brightness in 7 steps.

In **Camera Preview** mode






1.  (Options)
2.  **Brightness**  (Select)
3.  adjust the brightness
 (Select)



Quality

You can choose the image quality of your picture.

In **Camera Preview** mode

1.  (Options)
2.  **Quality**  (Select)
3.  **Fine, Normal or Economy**  (Select)
> *Fine produces a large file with a high resolution, while Economy produces a small file with a low resolution.*

Special effects

You can change your picture's colours.






In **Camera Preview** mode

1.  (Options)
2.  **Special effects**  (Select)
3.  **Normal, Mono, Sepia or Bluish**  (Select)

Frame

You can take a picture with a frame of your choice.

In **Camera Preview** mode

1.  (Options)
2.  **Frame**  (Select)
3.  **Off** or **Frame 1 ~ 5**
 (Select)






➤ *If the image size is 176 × 144 pixels or larger, the frame will not appear.*



Anti flicker

You can minimise flicker that appears on the screen by changing the anti flicker setting. When the display flickers, you can change Anti flicker to 50 Hz or 60 Hz. Choosing 50 Hz or 60 Hz is country dependent.

In **Camera Preview** mode




1.  (Options)
2.  **Anti flicker**  (Select)
3.  **50 Hz** or **60 Hz**  (Select)

➤ *When taking a picture, flickers may appear in certain environments.*

Defaults

All personal settings can be returned to their factory default settings.

In **Camera Preview** mode

1.  (Options)
2.  **Defaults**  (Select)

Recording a video clip


While the Camera Preview mode is active, the camera can be switched to a video recorder.

Video Preview mode:




In Idle mode or from the Camera menu, slide the Lens Cover halfway down and press the Right Soft Key to launch the Video Preview mode. You can also turn the Video Preview mode on by pressing the Shutter Key followed by the Right Soft Key.

Still Picture mode:

In Video Preview mode, press the Shutter Key to record a video clip. When filming is complete, the display then turns into the Still Picture mode.






To switch the Camera Preview mode to the Video Preview mode: press .

Key functions in Video Preview mode

| Key | Function |
|---|--|
|  | Press to activate the video function menu. |
|   | Press to display the video function icon. |




Quality

In **Video Preview** mode

1.  (Options)
2.  **Quality**  (Select)
3.  **Fine, Normal** or **Economy**  (Select)

Defaults

In **Video Preview** mode

1.  (Options)
2.  **Defaults**  (Select)

Recording

In **Video Preview** mode

Press the Shutter Key to start recording a video clip.

Press the Shutter Key once more to stop recording a video clip.

- *The quality of display images may vary depending on the object or environment.*
- *Displayed images may distort when shooting moving objects especially in a fast moving environment.*






Playing the video clip

In **Still Picture** mode

1.  (Options)
2.  **Play**  (Select)












Viewfinder

In **Still Picture** mode

1.  (Options)
2.  **Viewfinder**  (Select)






Sending the video clip via MMS

In **Still Picture** mode

1.  (Options)
2.  **Send via MMS**  (Select)
3.  (Insert) to add multimedia files
4.  (Options)
5.  **Send**  (Select)
6.  enter the required information  (Options)
7.  **Send**  (Select)

Viewing the stored video clips

In **Still Picture** mode

1.  (Options)
2.  **View videos**  (Select)
3.  required video clip  (Select)

Messages Menu

Messages



Create

MMS 73
SMS 79

Inbox

MMS 75
SMS 80

Outbox

MMS 77
SMS 81

User Messages

..... 81

Memory status

MMS 82
SMS 82

Settings

MMS 71
SMS 78

Connectivity

CSD settings 82
GPRS settings 82

Cell Broadcast

Auto display 83
Read Messages 83
Message List 83
Topic list 84
Languages 85

MMS settings

Configuring MMS

From **Messages**

1. **Settings** (Select)
2. **MMS** (Select)
3. **Server list** (Select)
4. required server
 (Edit)



NOTE: Your network operator may have pre-installed this number. Do not change this number as it may cause failure of MMS messaging.


Five server settings can be set up in the phone. If you find your server's name under the settings option, select the server and (Edit). If no settings are present, contact your network service provider for these settings.

You can edit the following settings:

- **Server name**
- **IP address**
- **IP port**
- **MMSC address**
- **Linger time**
- **Connection (CSD or GPRS)**
- **CSD settings**
- **GPRS settings**

Setting the Send options

From **Messages**









1.  **Settings**  (Select)
2.  **MMS**  (Select)
3.  **Send options**  (Select)
4.  required send option  (Select)

The following Send options are available:

| | |
|------------------------|--|
| Delivery report | Decide whether or not you want confirmation that your message has been delivered. Select On or Off. |
| Own address | Choose whether or not to let the recipient see your address. Select Show or Hide. |
| Validity period | Set the duration that your message is stored at the message centre. Select 1 hour, 12 hours, 1 day, 1 week or Maximum. |
| Priority | Set the priority level for your sent messages. Select High, Normal or Low. |

Setting the Receive options

From **Messages**

1.  **Settings**  (Select)
2.  **MMS**  (Select)
3.  **Receive options**  (Select)
4.  required receive option  (Select)








The following receive options are available when you want to decide how to deal with incoming MMS message:

| | |
|-------------------------|--|
| Normal | Select Auto retrieve, Auto reject or Auto defer. |
| Anonymous sender | Select Auto retrieve or Auto reject. |
| Advertisements | Select Auto retrieve or Auto reject. |
| Delivery report | Select Permit or Reject. |

Creating an MMS message

Inserting a multimedia file

From **Messages**

1.  **Create**  (Select)
2.  **MMS**  (Select)
3.  (Insert)
4.  required insert option
 (Select)

The following options are available to select the required multimedia file:

- *Insert picture*
- *Insert text*
- *Insert video*
- *Insert sound*
- *Insert page*



MMS Options

From Messages

1. **Create** (Select)
2. **MMS** (Select)
3. (Insert)
4. required insert option
 (Select)
5. required file (Select)
6. (Options)
7. required option
 (Select)



After completing an MMS message, you can select one of the following options:

| | |
|---------------------|---|
| Send | Send the completed MMS message. Press <input type="button" value="☐"/> (Options) to recall the Contacts list, then select the recipient's phone number. Press <input type="button" value="☐"/> (Options) once more to send the message. |
| Store | Store the completed MMS message. Press <input type="button" value="☐"/> (OK) to confirm that the message has been saved. |
| Delete items | Delete the selected text, picture, sound and/or video clip. |
| Info | Show the page timing, the type of image and/or attached sound files, the message size, the image size and the resolution. |
| Page timing | Set the time intervals at which each page is sent. |
| Delete page | Delete the selected page. |
| Preview page | Preview the selected page. |
| Preview MMS | Preview the completed MMS message. |

Sending an MMS message

From Messages

1. **Create** (Select)
2. **MMS** (Select)
3. (Insert)
4. required insert option (Select)
5. required file (Select)
6. (Options)
7. **Send** (Select)
8. Enter the phone number

OR

- (Options) **Contacts list** (Select) to select the phone number
9. (Options) **Send** (Select)

Receiving an MMS message


From Messages

1. **Inbox** (Select)
2. **MMS** (Select)
3. **Waiting** (Select)
4. required MMS message (Download) to receive the MMS message

OR



3. **Received** (Select)
4. required MMS message (View)



The following options are available by pressing  (Options) after selecting the message you want to download in the waiting list in the Inbox:









| | |
|-------------------|--|
| Download | Download the whole MMS message you select. |
| Delete | Delete the selected MMS message. |
| Delete all | Delete all MMS messages. |

The following options are available after selecting the message in the received list in the Inbox:



| | |
|--|---|
| Options  | View: View the selected MMS message. |
| | Delete: Delete the selected MMS message. |
| | Delete all: Delete all MMS messages. |
| View  | Reply: Reply to the selected MMS message. |
| | Reply all: Reply to all MMS messages. |
| | Forward: Forward the selected MMS message. |
| | Call: Make a call to the sender of the MMS message. |
| | Delete: Delete the selected MMS message. |
| | Info: Show the page timing, the type of image, and/or sound files attached including the message size. |
| | Extract media: Save the multimedia data attached to the MMS message. |
| | Extract number: Save the phone number embedded in the MMS message. |
| | Hyperlink: Jump to the URL embedded in the MMS message. |
| View again: Go back to View. | |


Viewing an MMS message in the Outbox

From Messages

1.  **Outbox**  (Select)
2.  **MMS**  (Select)
3.  **Unsent messages** or **Sent messages**  (Select)
4.  required MMS message  (Options) or  (View)

The following options are available after selecting the message in the unsent or sent messages list in the Outbox:

| | |
|--|---|
| Options  | View: View the selected MMS message. |
| | Delete: Delete the selected MMS message. |
| | Delete all: Delete all MMS messages. |
| View  | View the selected MMS message. |








The following options are available by pressing  (Options) when viewing the sent message in the Outbox:

| | |
|-------------------|--|
| Forward | Forward the selected MMS message. |
| Delete | Delete the selected MMS message. |
| Info | Show the page timing, the type of image, and/or sound files attached including the message size. |
| View again | Go back to View. |

SMS settings

Message centre

From **Messages**








1.  **Settings**  (Select)
2.  **SMS**  (Select)
3.  **Message centre**  (Select)
4. Enter your message centre number in the international dialling format  (OK) (see “International dialling” on page 10)

You can also change the following settings in step 3:

| | |
|------------------------|---|
| Protocol | Select the protocol type which specifies the format your SMS message is converted to. Select Standard text, Fax, X.400, Paging, ERMES or E-mail. |
| Validity period | Set the validity period that the SMS message is stored at the Message centre. Select 1 hour, 12 hours, 1 day, 1 week or Maximum. |
| Delivery report | Choose whether you want to receive a confirmation when your SMS message has been delivered. |
| SMS via GPRS | Decide whether or not you want to send your SMS via GPRS. |


Creating an SMS message

From Messages

1.  **Create**  (Select)
2.  **SMS**  (Select)
3. Enter your text
4.  (Options)
5.  required option
 (Select)









The following options are available:

| | |
|----------------------------|--|
| Send | Send your SMS message. Press  (Options) to recall the Contacts list, then select the recipient. |
| Save | Save your SMS message in the Outbox. |
| Save & send | Save your SMS message, then send the message. |
| Picture & sound | Attach sound and/or a picture. |
| Format | Edit your SMS message by inserting new lines, changing the font face, and/or font colour. |
| User Messages | Select the pre-defined message to insert into your SMS message. |

- > *The number displayed in the menu bar indicates the number of pages used in the message.*

Receiving an SMS message

From **Messages**







1.  **Inbox**  (Select)
2.  **SMS**  (Select)
3.  required SMS message  (Options)

You can select one of the following options when you want to decide how to deal with the incoming SMS message:

| | |
|-----------------------|--|
| View | View the selected SMS message. |
| Delete | Delete the selected SMS message. |
| Reply | Reply to the selected SMS messages. |
| Forward | Forward the selected SMS message. |
| Edit | Edit or add text, add pictures, and/or sounds. |
| Delete all | Delete all SMS messages. |
| Extract number | Save the phone number embedded in the SMS message. |
| Hyperlink | Jump to the URL embedded in the SMS message. |

Viewing an SMS message in the Outbox

From **Messages**

1.  **Outbox**  (Select)
2.  **SMS**  (Select)
3.  required SMS message  (Options)








Select one of the following options when you want to decide how to deal with the outgoing SMS message:

| | |
|-----------------------|--|
| View | View the selected SMS message. |
| Delete | Delete the selected SMS message. |
| Forward | Forward the selected SMS message. |
| Edit | Edit or add text, add pictures, and/or sounds. |
| Delete all | Delete all SMS message. |
| Extract number | Save the phone number embedded in the SMS message. |
| Hyperlink | Jump to the URL embedded in the SMS message. |

User Messages

You can edit the User Messages, then save them for later use.

From **Messages**

1.  **User Messages**  (Select)
 2.  required message  (Select)
 3. Edit the message  (Options)
 4.  **Save & send** or **Save**  (Select)
- *You can edit the pre-defined messages except the first 5 messages.*

Memory status

From **Messages**

1.  **Memory status**  (Select)
2.  **MMS** or **SMS**  (Select)









Memory status shows the free memory space and the used memory space of MMS, or the used memory space and the maximum memory capacity of SMS:

- **MMS: max. 2888 kb**
- **SMS: max. 250 spaces (SIM dependent)**

NOTE: This function is SIM dependent.

Connectivity

From **Messages**

1.  **Connectivity**  (Select)
 2.  **CSD settings** or **GPRS settings**  (Select)
 3.  required setting  (Select)
 4.  edit the required information  (Save)
- > *To set the CSD settings or GPRS settings, see page 57 for details.*

Cell Broadcast

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

You need to specify the “topic(s)” of information and the language in which you wish to receive this information.

To receive the broadcasts, “Read Messages” must be on.

Auto display

In Idle mode, the latest information message is displayed on your phone automatically.

From **Messages**

1.  **Cell Broadcast**  (Select)
2.  **Auto display**  (Change) > **On/Off**

Receiving messages


To receive messages, you must turn the “Read Messages” on.

From **Messages**

1.  **Cell Broadcast**  (Select)
2.  **Read Messages**  (Change) > **On/Off**

Reading a Cell Broadcast message

From **Messages**










1.  **Cell Broadcast**  (Select)
2.  **Message List**  (Select)
3.  (Next) to select the available topic

NOTE: This function will depend on your network service operator.

Topic list



You can receive messages on specific topics from your network service operator.

From Messages

1.  **Cell Broadcast**  (Select)
2.  **Topic list**  (Select)
3.  **Current**  (Select)
4. **< Add topics >**  (Select)
5.  required topic  (Select)

OR











You can delete the required topic in step 4.

1.  required topic  (Options)
2.  **Delete**  (Select)

User defined topic

You can add your favourite topics to the user-defined topic list.










From Messages

1.  **Cell Broadcast**  (Select)
2.  **Topic list**  (Select)
3.  **User defined**  (Select)
4.  **< New entry >**  (Options)
5. Enter message ID  (OK)
6. Enter name  (OK)

Languages





You can set the language of the message you receive.

From Messages

1.  **Cell Broadcast**  (Select)
2.  **Languages**  (Select)
3.  (Options)
4.  **Insert or Add to end**  (Select)
5.  required language  (Select)

OR

You can remove a language in step 4.

1.  required language  (Options)
 2.  **Delete**  (Select)
- > *“Insert” adds a required language above the language you select whereas “Add to end” adds the language to the end of the list.*

Phone Menu

Phone Menu (or STK)*



Call Service

| | |
|------------------------------|----|
| <i>Time/Charge</i> | 87 |
| <i>Call waiting</i> | 87 |
| <i>Withhold ID</i> | 88 |
| <i>Caller's ID</i> | 88 |
| <i>Charge settings</i> | 89 |
| <i>Line**</i> | 90 |

Call Diverts

| | |
|------------------------------|----|
| <i>All voice calls</i> | 91 |
| <i>Not reachable</i> | 91 |
| <i>No reply</i> | 91 |
| <i>Busy</i> | 91 |
| <i>Status check</i> | 91 |
| <i>Cancel all</i> | 91 |

Security

| | |
|-------------------------|----|
| <i>Call bar</i> | 92 |
| <i>Codes</i> | 93 |
| <i>Fixed dial</i> | 95 |
| <i>SIM lock</i> | 96 |

Network

| | |
|---------------------------|----|
| <i>Auto network</i> | 97 |
| <i>New network</i> | 97 |
| <i>Network List</i> | 97 |
| <i>Band Select</i> | 97 |









* STK (SIM Tool Kit) is SIM dependent.

** Line is SIM dependent.

Call Service

Time/Charge

From **Phone Menu**

1.  **Call Service**  (Select)
2.  **Time/Charge**  (Select)
3.  **Last call, All voice calls or Cost left**  (Select)







| | |
|------------------------|--|
| Last call | Display the duration of the last call. |
| All voice calls | Display the total duration and the units of all the voice calls. |
| Cost left | Display the remaining units. |

NOTE: Time/Charge is SIM dependent.

Call waiting

If Call waiting is switched on, a second call can be received. Activate this function before making a multi-party (conference) call.

From **Phone Menu**





1.  **Call Service**  (Select)
2.  **Call waiting**  (Select)
3.  **Set, Clear or Status check**  (Select)

NOTE: Call waiting is network dependent.

Withhold ID

This function allows you to prevent showing your name and/or number to the calling party and enable if necessary.

From **Phone Menu**

1.  **Call Service**  (Select)
2.  **Withhold ID**  (Select)
3. To confirm “**Withhold for all calls?**” select **Yes** or **No**

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

NOTE: Withhold ID is network dependent.

Caller's ID

This function allows you to display the caller's name and/or number on your display.

From **Phone Menu**

1.  **Call Service**  (Select)
2.  **Caller's ID**  (Select)

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

Charge settings

NOTE: The duration of one unit may vary between peak and off-peak times. Call charges can be calculated accordingly. However, the actual tariffs charged by your service provider may not be reflected in the calculation.

Currency:

Firstly, “Personal rate” must be entered. This is the cost that the service provider charges for one unit of call time.

From Phone Menu

1. **Call Service** (Select)
2. **Charge settings** (Select)
3. **Currency** (Select)
> *The current setting is displayed.*
4. (Edit)
5. Enter the PIN2 code (OK)
6. Enter currency units (max. 3 characters) (Save)

NOTE: This function is SIM dependent.

Personal rate:

You can set your personal rate.

From Phone Menu

1. **Call Service** (Select)
2. **Charge settings** (Select)
3. **Personal rate** (Select)
> *The current setting is displayed.*
4. (Edit)
5. Enter the PIN2 code (OK)
6. enter your personal rate (Save)

NOTE: This function is SIM dependent.

Max cost:

You can set the maximum cost of calls allowed.

From **Phone Menu**

1. **Call Service** (Select)
2. **Charge settings** (Select)
3. **Max cost** (Change)
> *The current setting is displayed.*
4. (Edit) > Enter the PIN2 code (OK)
5. (Change) > **On/Off**
6. enter credit limit (Save)

NOTE: This function is SIM dependent.

Auto display:

In idle mode, the cost of the last dialled call is displayed on your phone automatically.

From **Phone Menu**

1. **Call Service** (Select)
2. **Charge settings** (Select)
3. **Auto display** (Change) > **On/Off**

Line

Your phone has two phone lines if your SIM supports CPHS and Alternate Line Service.

From **Phone Menu**

1. **Call Service** (Select)
2. **Line** (Select)
3. **Line 1** or **Line 2** (Select)

NOTE: This function is SIM dependent (your SIM must support CPHS to use this function).

Call Diverts

From Phone Menu

1. **Call Diverts** (Select)
 2. required circumstance to initiate the divert (Select)
 3. **Set, Clear or Check status** (Select)
 4. Enter the phone number to divert to
- *Enter the voice mail centre number if you want incoming voice calls to be diverted to the voice mail centre.*
 - *When a divert situation is enabled, the divert icon (→) is displayed.*
 - *When updating or checking the status of call diverts, the phone must be registered to a network (Till).*

| | |
|------------------------|---|
| All voice calls | Divert all incoming voice calls. |
| Not reachable | When you are not in a coverage area, divert incoming voice calls. |
| No reply | If you do not answer the phone, divert incoming voice calls. |
| Busy | When a call is in progress, divert incoming voice calls. |
| Status check | Check the current Call Diverts status. |
| Cancel all | Cancel all Call Diverts settings. |










Voice calls can be diverted to voice mailbox or to a number that you specify.

Security

Call bar

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

From **Phone Menu**

1.  **Security**  (Select)
2.  **Call bar**  (Select)
3.  required setting  (Select)
4.  **Set, Clear or Check status**  (Select)
5. Enter the required password  (Select)









| | |
|--------------------------|---|
| All outgoing | All outgoing calls are barred. |
| Outgo int'l | International outgoing calls are barred. |
| Out. int'l × home | International outgoing calls except to your home country are barred. |
| All incoming | All incoming calls are barred. |
| When roaming | All international incoming calls when roaming outside the home PLMN are barred. |
| Status check | Call bar status is displayed. |
| Cancel all | Cancel all Call bar settings. |
| Password | Change Call bar password. |

Codes

Change phonecode:

The phonecode is used for the SIM lock, which protects the phone from being used with a SIM other than yours.

From **Phone Menu**










1.  **Security**  (Select)
2.  **Codes**  (Select)
3.  **Change phonecode**  (Select)
4. Enter a new phonecode  (OK)
5. Enter the new code to verify  (OK)

NOTE: Your phonecode must be 6 to 12 digits. You are advised to write down your phonecode. If the phonecode is entered incorrectly 10 times, the phone will cease to operate permanently. If you change the phonecode from the second time on, you must enter the previous phonecode first, then enter the new phonecode twice.

PIN Control:

The PIN protects your SIM against unauthorised use. If you enable the PIN, you will be prompted to enter the PIN every time the phone is switched on.

From **Phone Menu**










1.  **Security**  (Select)
2.  **Codes**  (Select)
3.  **PIN Control**  (Change)
4. Enter the PIN number  (OK)
5.  (Change) set to either enable or disable the PIN
6.  (OK)

NOTE: If the PIN code is entered incorrectly 3 times, the PIN will be blocked. To unblock the PIN, you must enter your PUK code. If you enter an incorrect PUK code 10 times, your SIM will be blocked permanently.

Changing PIN/PIN2:

You must enable the PIN before changing the code.

From **Phone Menu**








1.  **Security**  (Select)
2.  **Codes**  (Select)
3.  **Change PIN** or **Change PIN2**  (Select)
4. Enter the current code  (OK)
5. Enter the new code  (OK)
6. Enter the new code to verify  (OK)

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

Fixed dial

The Fixed dial feature allows you to limit your outgoing calls to a certain set of numbers saved in FDN, which is located in your SIM. When this function is on, only the Fixed dial numbers can be dialled, and any attempt to call any other number will fail. To enter Fixed dial numbers, see page 45.

From **Phone Menu**

1.  **Security**  (Select)
2.  **Fixed dial**  (Select)
3. Enter the PIN2 code  (OK)
4.  (Change)
5.  (OK)

- > *When the fixed dial is on, any manually dialled phone numbers must be the same as the numbers in the fixed dial store, otherwise the call cannot be made.*
- > *A phone number may be stored, edited or deleted. In this case, you will be prompted for your PIN2 code.*








NOTE: If the PIN2 code is entered incorrectly 3 times, the PIN2 will be blocked. To unblock the PIN2, you must enter your PUK2 code. If you enter an incorrect PUK2 code 10 times, your SIM will be blocked permanently.

NOTE: Fixed dial is SIM dependent.

SIM lock

Once you enable the SIM lock, you will be prompted to enter your phonecode when you switch on the phone with a different SIM inserted.

From **Phone Menu**

1.  **Security**  (Select)
2.  **SIM lock**  (Select)
3. Enter the phonecode  (OK)
4.  (Change) to set the SIM lock on/off
5.  (OK)

NOTE: Your phonecode must be 6 to 12 digits. You are advised to write down your phonecode. If the phonecode is entered incorrectly 10 times, the phone will cease to operate permanently. If you change the phonecode from the second time on, you must enter the previous phonecode first, then enter the new phonecode twice.


NOTE: This function is SIM dependent.

Network

Network settings

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

From **Phone Menu**

1.  **Network**  (Select)
2.  required network  (Change) > **On/Off**

| | |
|---------------------|--|
| Auto network | Allow the phone to reselect a new network automatically in order to maintain optimum network availability. Set Auto network On or Off. |
| New network | Manually select a network that is available in your current location. |
| Network List | The network list is used when the Auto network is on. The location numbers in the Network List show the search priority. |
| Band Select | Choose a network band: 900/1800, 900/1900, 900, 1800 or 1900 MHz. |

NOTE: This function is SIM dependent.

Records Menu

Records



| | |
|----------------|----|
| Last dialled | 98 |
| Answered | 98 |
| Unanswered | 98 |
| Delete records | 99 |

Last dialled/Answered/ Unanswered number

Recently dialled phone numbers will be stored in Last dialled (max. 50).
If an incoming call with Caller's ID is answered, the number will be stored in Answered (max. 50).
If an incoming call with Caller's ID is not answered, the number will be stored in Unanswered (max. 20).

From **Records**







1. **Last dialled, Answered or Unanswered** (Select)
OR
In idle mode, to view the last dialled numbers directly
2. required phone number you wish to redial

The following options are available when you select the required number:

- **Store**
- **Delete**
- **Delete all**

Deleting the records

From **Records**

1.  **Delete records**  (Select)
2.  **Delete last dialled**  (Select)
“Delete dialled calls?” is displayed.
3.  (Yes) or  (No)

You can select one of the following options in step 2:

- *Delete last dialled*
- *Delete answered*
- *Delete unanswered*
- *Delete all*

Applications Menu

Applications



| | |
|-----------------|---|
| Calendar | 101 |
| Scheduler | 103 |
| Notes | 105 |
| Clock | Settings..... 106 Alarm 107 Power on time..... 108 Power off time..... 108 |
| Calculator | 109 |
| Currency | Rate setting 110 Rate compute 110 |
| Melody composer | 111 |
| (Phone Menu) | 112 |

Calendar

Creating a reminder

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.



From Applications

1. **Calendar** (Select)
2. Press keys , , , , , , , , and to move the cursor , , and to the desired day (Options)

OR

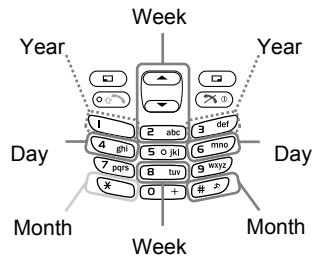
You can select the Week format to create a reminder:

1. (Options) > **Week**
2. (Select) >

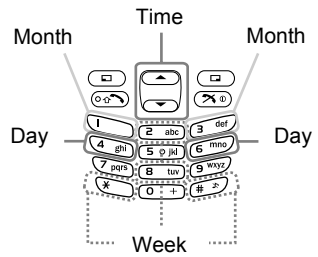
Press keys to move the cursor

1. (Options)

3. **Agenda** (Select)
4. <New entry>
 (Select)
5. (Change) **Memo**, **Call** or **Meeting**
6. Enter the description



<Month format>



<Week format>

7. (Change) **Activate** or **Deactivate**
8. (Change) **Once, Daily, Weekly, Monthly** or **Annually**
9. Enter the start date
10. Enter the start time
11. Enter the end date
12. Enter the end time (Save)



NOTE: Ensure that Calendar settings will not contravene any regulations by switching on automatically when in an aircraft, medical facility, etc. (see “Introduction” in Operating Instruction Part 2).

Viewing the reminder

From **Applications**

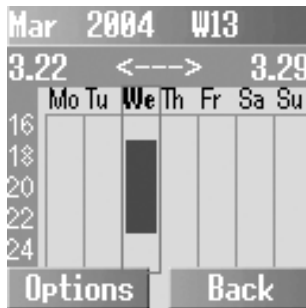
1. **Calendar** (Select)
2. **When Month format is selected:**
Select a day marked in blue by using the keys (, , , , , , , , and)

OR


When Week format is selected:

- (Options) >
- Week** (Select)

The time line marked in blue corresponds to a period of time that you have set as an agenda. Select a day marked with the blue bar by using the keys (, , , , , , and)



When the cursor reaches the scheduled day, press or to show what time the event starts and ends.

3.  (Options) >  **Agenda**  (Select)
4.  required schedule  (Options)
5.  required option  (Select)
















You can select one of the following options in step 5:

- **View**
 - **Activate/Deactivate**
 - **Edit**
 - **New entry**
 - **Delete**
 - **Delete all**
 - **Capacity**
- *Active/Deactive options are available only before the scheduled day arrives.*

Scheduler

Creating a schedule







From **Applications**

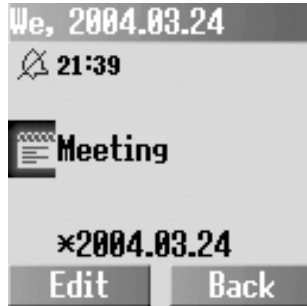
1.  **Scheduler**  (Select)
2.  <**Activate/Deactivate**>  (Select)
3.  (Change) **Memo, Call or Meeting** 
4. Enter the description 
5.  (Change) **Activate or Deactivate** 
6.  (Change) **Once, Daily, Weekly, Monthly or Annually**

7. Enter the start date 
8. Enter the start time 
9. Enter the end date 
10. Enter the end time  (Save)

NOTE: Ensure that Scheduler settings will not contravene any regulations by switching on automatically when in an aircraft, medical facility, etc. (see “Introduction” in Operating Instruction Part 2).

Viewing the schedule







From **Applications**

1.  **Scheduler**  (Select)
2.  required entry  (Options)
3.  **View**  (Select)







Editing the schedule

From **Applications**

1.  **Scheduler**  (Select)
 2.  required entry  (Options)
 3.  **Edit**  (Select)
- > *To edit the schedule, please see step 3 ~ 10 in "Creating a schedule" on page 103 for details.*







Deleting schedule entries

From **Applications**

1.  **Scheduler**  (Select)
2.  required entry  (Options)
3.  **Delete** or **Delete all**  (Select)
4. **"Delete entry?"** or **"Do you want to delete all?"**
 (Yes) or  (No)

Capacity







From Applications

1.  **Scheduler**  (Select)
 2.  required entry  (Options)
 3.  **Capacity**  (Select)
- > *You can view the maximum number of entries and the remaining number of entries available.*

Notes

You can enter text to remind yourself of special events

From Applications

1.  **Notes**  (Select)
 2.  **<New entry>**  (Select)
 3. Enter text
 4.  (Options) **Save, Insert new line, Clear text** or **Send**
 (Select)
- > *You can send your note as an SMS message.*







Clock

Clock settings

Display time:

You can show the time on the display in Idle mode.












From **Applications**

1.  **Clock**  (Select)
2.  **Settings**  (Select)
3.  **Display time**  (Change) > **On/Off**

Time zone:

Before setting the time and date, set the time zone of your region. When travelling abroad, your home time can be changed to your destination time.










From **Applications**

1.  **Clock**  (Select)
2.  **Settings**  (Select)
3.  **Time zone**  (Select)
4.  required region  (Select)
“Daylight saving?” is displayed.
5.  (Yes) or  (No)
6. “Set this city to local”  (OK)

Time & date:

You can set the time and date to be shown on the display when in Idle mode.

From **Applications**

1.  **Clock**  (Select)
2.  **Settings**  (Select)
3.  **Time & date**  (Select)
4.  (Edit) Enter the date 
5. edit the time  (Save)

Date format:

You can select the desired display format for the date.

From Applications

1. **Clock** (Select)
2. **Settings** (Select)
3. **Date format** (Select)
4. required format (Select)

Time format:

You can select the desired display format for the time.

From Applications

1. **Clock** (Select)
2. **Settings** (Select)
3. **Time format** (Change)
4. **12 hours or 24 hours** (Select)

Alarm

You can set the alarm to sound or vibrate when the set time is reached.

From Applications

1. **Clock** (Select)
2. **Alarm** (Select)
3. (Options) > **Edit**
 (Select)
4. Enter the time (24 hour clock)
5. (Change) select a day of the week
 (Change) >
 (Back) >
6. (Change) **Activate or Deactivate**



7. Enter the description
 (Save)
 - > The alarm set indicator appears on the idle display.
 - > If you are on a call, the phone will vibrate without sound.



Ending the alarm:

Press any key or (Off) to end the alarm

OR

(Pause) to pause the alarm and start again after 5 minutes

NOTE: Ensure that Alarm settings will not contravene any regulations by switching on automatically when in an aircraft, medical facility, etc. (see "Introduction" in Operating Instruction Part 2).

Power on/off time

The phone can be set to turn itself on/off automatically at a specified time using the power on/off time feature.

From Applications








1. (Select)
2. (Change)
3. (Change) **On** or **Off**
4. Enter the time (24 hour clock) (Save)

NOTE: Ensure that Power on time settings will not contravene any regulations by switching on automatically when in an aircraft, medical facility, etc. (see "Introduction" in Operating Instruction Part 2).

Calculator

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

From Applications

1.  **Calculator**  (Select)
2. Enter a number (max. 8 digits)
 - > *If a decimal point is required, press . If a minus sign is needed, press .*
3.  select the arithmetic operation
4. Enter a number (max. 8 digits)
 - > *If  is used to select another arithmetic operation, an intermediate calculation will be performed and the result will be displayed.*
5.  (=) to calculate











Currency

Rate setting

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








Before beginning conversions, choose a base currency and enter the conversion rate. The base currency rate is set to 1.

From **Applications**

1.  **Currency**  (Select)
 2.  **Rate setting**  (Select)
 3. Enter the conversion rate next to the red arrow
 (Compute)
 4.  (Save)
- You can change the base currency by pressing .
- If a decimal point is required, press .

Rate compute

From **Applications**

1.  **Currency**  (Select)
 2.  **Rate compute**  (Select)
 3. Enter the amount of your home currency to convert into the foreign currency  (Convert)
- You can also enter the amount of the foreign currency to convert into your home currency if you change the base currency by pressing .
- If a decimal point is required, press .

Melody composer

Composing a melody

From **Applications**

1. **Melody composer**
 (Select)
2. required melody
 (Options)
3. **Melody composer**
 (Select)
4. required track
 (Select)
5. Compose your melody – see the notes chart below (Options)
6. **Save** (Select)



Using the following table as a reference, enter notes (from the choice of low, middle and high), rests, and duration of each, to generate your composition. Main Track and Sub Tracks are played together when you play the composed music.

| | | | | | | |
|-------------|----------|----------|-------------|----------|----------|--|
| Key | | | | | | |
| Func | C | D | E | F | G | A |
| Key | | | | | | |
| Func | B | Repeat | Dotted note | Rest | Duration | Low, Low #, Middle, Middle #, High, High # |

Before you save the composed melody, you can change the tempo, and/or the instrument to play the melody.


Playing the composed melody

To play the composed melody before saving:

 (Options) >  **Play**  (Select)

Changing the tempo

To change the tempo of the composed melody:

1.  (Options) >  **Tempo**  (Select)
2.  required tempo  (Select)

Selecting the instrument

To select the instrument to play the composed melody:

1.  (Options) >  **Instrument**  (Select)
2.  required instrument  (Select)

Phone Menu

This menu is available under the Applications Menu if your SIM card provides STK services.

To use this menu, please refer to “Phone Menu” on page 86.

CD-ROM

PC Software

The CD-ROM supplied with your X300 phone contains a software application which allows 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. This application includes:

X300 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 and the image or sound data held in your X300. For further information please refer to the documentation on the CD-ROM, or to the Panasonic website www.panasonicmobile.com.

Future enhancements to X300 Handset Manager

1. Log onto www.panasonicmobile.com
2. Select your region and language
3. Select **Support > Support Software**
4. Click **Handset Manager X300**
5. Follow the instructions to download the PC software upgrade


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.

NOTE: The data cable must be purchased separately.

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 battery level indicator appears. | Leave the phone charging the battery for a few minutes before the battery level indicator appears and you attempt to switch the phone 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 was connected to the phone after the Travel Charger was switched on. | |
| |  indicates abnormal charging. The battery is defective or of the wrong type. | Replace with a new battery. |
| | The battery temperature exceeds the charging temperature range (too hot or too cold). | Use the battery at room temperature. |

| Problem | Cause | Remedy |
|--|---|---|
| Calls cannot be made. | The phone is locked. | Unlock the phone. |
| | Outgoing calls are barred. | Disable outgoing call barring or barred dialling. |
| | 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 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 T is displayed – move to a coverage area and operate your phone when the antenna symbol is displayed. |
| Phone numbers cannot be recalled from Contacts list. | The phone is locked. | Unlock the phone. |
| | Phone number has been restricted. | Switch off restriction. |

NOTE:

- The quality of display images may vary depending on the object or environment.
- Display images may distort when shooting moving objects, especially in a fast moving environment.
- When taking a picture, flickers may appear in certain environments.

Important Error Messages

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

| | |
|---------------------------------|---|
| Please insert SIM card | SIM card is not inserted, or is not inserted correctly. Please insert the SIM card correctly. |
| New codes not same | When you change your password, you must enter the new password twice to confirm. The two codes you entered are not the same. Enter the same code twice. |
| Can't access network | The service network you selected manually is inaccessible. Please contact your service provider. |
| Unable to select network | The service network you selected manually refuses your access. Please contact your service provider. |
| No service | There is no network within range or the received signal is weak. Please move to an area which has a stronger signal. |
| PIN blocked! Please enter PUK | You entered your PIN incorrectly three times in a row. To unblock it, please enter PUK. |
| PIN2 blocked! Please enter PUK2 | You entered your PIN2 incorrectly three times in a row. To unblock it, please enter PUK2. |
| New PIN not accepted | Your new PIN code is not accepted. Please try again. |
| New PIN2 not accepted | Your new PIN2 code is not accepted. Please try again. |
| Incorrect entry! | You entered your PIN or PIN2 code incorrectly. Enter the code correctly. |
| Entries do not match! | When you change your password, you must enter the new password twice to confirm. The two codes you entered are not the same. Enter the same code twice. |
| SIM card error | Make sure the SIM card is inserted correctly. Clean the SIM card with a dry cloth or check if it is damaged. Contact your service provider. |
| Function unsupported | The function you selected is not supported by your service provider. Please contact your service provider. |
| Invalid password | The password that you entered is not valid. Please enter the correct password. |
| Not available | The function you selected is not supported by your service provider. Please contact your service provider. |
| Service not available | The function you selected is not supported by your service provider. Please contact your service provider. |
| Wrong PUK! | You entered the wrong PUK. Please enter the correct one. |

| | |
|--|---|
| SIM memory full! Please delete old message! | The SIM storage area for SMS message is full. Please delete old messages. |
| SIM memory full! Continue? | The SIM storage area is full. If you continue, data may be lost. Please delete old records. |
| Phone memory full! Continue? | The data storage area is full. If you continue, data may be lost. Please delete old records. |
| SIM service not supported | The SIM function you selected is not supported by the service provider. Please contact your service provider. |
| Unregistered SIM card | Your SIM card is not registered to your service provider. Please contact your service provider. |
| Authentication failure | Your SIM card is not registered with your service provider. Please contact your service provider. |
| Blocked | Your SIM card is blocked. Please contact your service provider. |

Glossary of Terms

| | |
|-------------------------|--|
| ADN | Abbreviated Dialling Number. Used for frequently called numbers. |
| APN | Access Point Name. Directs the user to the gateway or the required service. |
| CSD | Circuit Switched Data. A communication method used to transmit data over telephone connections. |
| DTMF | Dual Tone Multi-Frequency allows you to communicate with computerised phone systems, voice mailboxes, etc. |
| FDN | Fixed Dial Number. Used to restrict outgoing calls to a certain set of numbers. |
| GPRS | General Packet Radio Service. A GSM transmission technique that transmits and receives data in packets rather than setting up a continuous channel. It makes very efficient use of available radio spectrum and users pay only for volume of data sent and received. |
| GSM | Global System for Mobile communications. The name given to the advanced digital technology that your phone uses. |
| MMS | Multimedia Message Service. This service allows sending/receiving messages consisting of text, sounds, images, and video clips. |
| Network Operator | The organisation responsible for operating a GSM network. |
| Password | Used for the control of Call bar. Supplied by your service provider. |
| PIN | Personal Identification Number used for SIM card security. Supplied by your service provider. If the PIN is entered incorrectly 3 times, the PIN will be blocked. |
| PIN2 | Personal Identification Number used for the control of Fixed Dial Store and Call Charge metering. If the PIN2 is entered incorrectly 3 times, the PIN2 will be blocked. The PIN2 is supplied by your service provider. |
| PLMN | Public Land Mobile Network. A network that provides land mobile telecommunications services. |
| PUK/PUK2 | PIN/PIN2 Unblocking Key. Used to unblock the PIN/PIN2 code. Supplied by your service provider. If the PUK/PUK2 is entered incorrectly 10 times, the PUK/PUK2 will be blocked. |
| Registration | The act of logging 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. |

| | |
|-------------------------|--|
| SDN | Service Dialling Number. This number enables you to access special services provided by your network operator, such as customer support, emergency services, etc. |
| 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 entries and SMS 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. |

Index

- A**
- Accessory 113
- Alarm 107
- Alerts 32, 34
- Animation 29
- Answer 37
 - Any key answer 37
 - Auto answer 37
- Applications Menu 100
- Auto capital change 18
- Auto key lock 37
- B**
- Battery 6
 - Charging 7
 - Fitting and removing 6
- Battery level indicator 8
- Bookmarks 55
 - Adding 55
 - Viewing 56
- Brightness 30, 36
- Browser 52
 - Starting 54
- Browser Menu 52
- C**
- Calculator 109
- Calendar 101
 - Creating 101
 - Viewing 102
- Call 9
 - Answering 11
 - Creating Messages 12
 - During a call 3
 - Ending 10
 - Holding 13
 - In-call operations 12
 - Incoming call while on a call 14
 - Making 9
 - Making a second call 13
 - Mute 11
 - Rejecting 11
 - Using Contacts list 12
- Call bar 92
- Call Diverts 91
- Call Service 87
- Call status 15
- Call transfer 14
- Call waiting 87
- Caller's ID 88
- Camera 58
 - Camera Preview mode 60
 - Key functions 61
 - Still Picture mode 60
- Camera Lens 1, 59
- Camera Menu 58
- Camera settings 63
 - Anti flicker 66
 - Brightness 65
 - Close up mode 64
 - Defaults 66
 - Frame 66
 - Image size 64
 - Quality 65
 - Special effects 65
 - Twilight 63
- Cell Broadcast 83
- Charge settings 89
 - Auto display 90
 - Personal rate 89
- Charging Connector 1
- Clock 106
 - Power on/off time 108
- Clock settings 106
- Codes 93
- Colour themes 30
- Conference call 14
- Connectivity 57, 82
- Contacts dialling 9
- Contacts list 40
 - Copying 41
 - Creating 44
 - Deleting 41
 - Editing 40
 - Viewing 40
- Contacts Menu 39
- Contrast 29
- Currency 110

| | |
|--------------------|-----|
| Rate compute | 110 |
| Rate setting | 110 |

D

| | |
|------------------------------|----------|
| Defaults | 38 |
| Dialling | 9 |
| International dialling | 10 |
| Last number dialling | 10 |
| Display | 1, 4, 28 |
| DTMF | 16 |

E

| | |
|-----------------------|-----|
| Earpiece | 1 |
| Earpiece volume | 9 |
| Emergency call | 10 |
| Error Messages | 116 |
| Exode | 51 |

F

| | |
|------------------|----|
| FDN | 45 |
| Fixed dial | 95 |

G

| | |
|-------------------------|-----|
| Games Menu | 50 |
| Glossary of Terms | 118 |
| Greeting | 29 |
| Groups | 46 |

H

| | |
|-------------------|----|
| Hand held | 12 |
| Hands free | 12 |
| Hotkey dial | 49 |

I

| | |
|--------------------------|--------|
| Idle display | 4 |
| Inbox | 75, 80 |
| Information number | 47 |

K

| | |
|----------------------|---|
| Key | 1 |
| Asterisk Key | 1 |
| Left Soft Key | 1 |
| Navigation Key | 1 |
| Power/End Key | 1 |
| Right Soft Key | 1 |

| | |
|-----------------------|--------|
| Send Key | 1 |
| Silent Mode Key | 1 |
| Key functions | 2 |
| Keytone | 27, 35 |

L

| | |
|-------------------------|-------|
| Language | 31 |
| Display Languages | 31 |
| Lens Cover | 1, 59 |
| Line | 90 |

M

| | |
|-----------------------|------------|
| Max cost | 90 |
| Melody composer | 111 |
| Memory status | 25, 47, 82 |
| Menu Display | 20 |
| Menus | 21 |
| Message centre | 78 |
| Messages Menu | 70 |
| MMS | 71 |
| Configuring | 71 |
| Creating | 73 |
| Receiving | 75 |
| Sending | 43, 75 |
| Settings | 71 |
| Viewing | 77 |
| MMS Options | 74 |
| Multi tap mode | 19 |
| My Contacts | 49 |
| My Media | 23 |
| My Numbers | 48 |
| My Phone Menu | 22 |

N

| | |
|-------------------------|-----|
| Network | 97 |
| Hide network name | 30 |
| Notes | 105 |

O

| | |
|--------------|--------|
| Outbox | 77, 81 |
|--------------|--------|

P

| | |
|-------------------------------------|------|
| Personal Hands free Connector | 1 |
| Phone | 1, 9 |
| Switching on/off | 9 |

| | |
|----------------------------------|----|
| Phone Menu | 86 |
| Phonocode | 93 |
| Picture | 60 |
| My Pictures | 23 |
| Sending via MMS | 62 |
| Setting as Wallpaper | 62 |
| Taking | 60 |
| Viewing the stored picture | 62 |
| PIN Control | 93 |
| PIN/PIN2 | 94 |
| Profiles | 33 |
| Puddleland | 50 |
| Push setting | 56 |

Q

| | |
|----------------|----|
| Quadball | 51 |
|----------------|----|

R

| | |
|--------------------|----|
| Records Menu | 98 |
| Ringtones | 27 |

S

| | |
|----------------------------|-------|
| Scheduler | 103 |
| Creating | 103 |
| Editing | 104 |
| Viewing | 104 |
| SDN | 46 |
| Security | 92 |
| Self timer | 63 |
| Server settings | 53 |
| Shift mode change | 18 |
| Shortcuts | 38 |
| Shutter Key | 1, 59 |
| Shutter sound | 28 |
| SIM | 7 |
| Fitting and removing | 7 |
| SIM lock | 96 |
| SMS | 78 |
| Creating | 79 |
| Receiving | 80 |
| Sending | 42 |
| Settings | 78 |
| Viewing | 81 |
| Sounds | 26 |
| My Sounds | 24 |

| | |
|--------------------|----|
| Split call | 15 |
| Status icons | 5 |
| Symbols | 8 |

T

| | |
|------------------------------|-----|
| T9® input | 31 |
| T9® Text input | 18 |
| Text entry | 17 |
| Text entry mode change | 18 |
| Time/Charge | 87 |
| Troubleshooting | 114 |

U

| | |
|---------------------|----|
| User Messages | 81 |
|---------------------|----|

V

| | |
|--------------------------------------|--------|
| Video | 67 |
| Defaults | 67 |
| Key functions | 67 |
| My Videos | 24 |
| Playing | 68 |
| Quality | 67 |
| Recording | 67 |
| Sending via MMS | 68 |
| Still Picture mode | 67 |
| Video Preview mode | 67 |
| Viewing the stored video clips | 69 |
| Viewfinder | 61, 68 |
| Volume | 26 |
| Ring volume | 11 |
| Volume | 35 |

W

| | |
|--------------------|--------|
| Wallpaper | 4, 28 |
| Warning tone | 27, 36 |
| Withhold ID | 88 |

Z

| | |
|------------|----|
| Zoom | 61 |
|------------|----|