




Application Launcher	Check to select applications from the list to open using Open Applications.
Contacts Update	Each time Voice Commands is opened, it checks your Contacts list for name additions or edits, and if so, automatically reloads the list. If the list is large, the reload requires more time. Select Configure to choose Automatic or Manual reloading.
About	Copyright information about the voice recognition software.

VOICE TAGS


When your phone is set language that is not available in Voice Commands, Voice Tags allows you to record names and related phone numbers and store them in memory. That you can dial these numbers using Voice Commands.

Note: Voice Tags appears only when your phone is set to a language that is not available in Voice Commands.

Record Voice Tags

1. Press and hold .
 - If you are using this feature for the first time, the phone displays a message that no voice tags are recorded.
2. Select **Add voice tag**.
3. After the text prompt to say a name, say a name that you will say each time you wish to call this person.
4. The phone will repeat the name. Press **Yes** to confirm, or press **No** to record it again.
5. After you have confirmed, enter the number to dial by pressing  to , then press **OK**.


Dial a Number using a Voice Tag

1. Press and hold .
2. After the text prompt asking who you would like to call, say a name of a voice tag you have recorded.
3. The phone will begin dialing the number assigned to the voice tag.

Add or Edit Voice Tags


You can store up to 30 voice tags, and edit or erase voice tags as needed.

To add a voice tag:

1. Press and hold .
2. Press **Settings**.
3. A list of voice tag phone numbers displays.
4. Select **Add voice tag**.

5. Continue with step 3 in *Record Voice Tags* on page 109.

To edit a voice tag:

1. Press and hold .
2. Press **Settings**.
3. A list of voice tag phone numbers displays.
4. Highlight and select desired voice tag phone number to edit.
5. Choose from: **Play**, **Re-record**, **Erase**, or **Erase all**.

PRINTBOY SETUP

PrintBoy Setup works with your Quickoffice menu to print your Quickoffice documents wirelessly from your phone to supported printers.

From **Settings** menu:

1. Open **PB Setup**.
2. On the **Drvr's** tab is a list of supported printer drivers. Scroll to desired printer.
3. Press **Options** and select **Configure**. Select from:

Communications	Select the method to send data to the printer.
Paper Size	Choose a paper size.
Left Margin	Choose desired left margin measurement.

4. After the printer is configured, press **Options** and select:

Test Print	Send a test print.
Bluetooth >	Select Find Printer to pair with the printer.

To set a printer as default, scroll to **Drvr's** tab, highlight desired printer, then press **Options** and select **Set as Default**.

ABOUT

View copyright information about the phone and software used on the phone.

From **Settings** application:

1. Open **About**.

TOOLS

Tools allows you to take care of a variety of tasks in one place. Use the Calculator to make quick calculations. Use the Converter to convert currencies and measurements. Jot down quick notes on the Notepad. Record short voice clips using Recorder. See your files in one place using File Mgr and manage data stored on the miniSD Card. Install Java™ MIDlet (Mobile Information Device) applications using App Mgr. Install Java™ MIDlet (Mobile Information Device) applications using App Mgr.






Tools menu contains these main options:

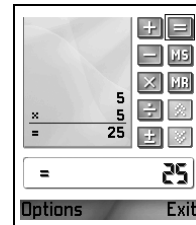


CALCULATOR

Perform simple mathematic calculations using the calculator.



From **Tools** application:

1. Open **Calculator**.
2. A virtual calculator displays. Type in first number of calculation, which appears in field near bottom of screen.
 - To enter a decimal, press .
 - To erase digits, press .
 - To change number to positive or negative, scroll to positive/negative button and select.
3. Scroll  or  to move box to desired mathematic action, press  to select.
4. Enter the next number. To get result, scroll to equal button and select.
 - To view the last result, press **Options** and select **Last result**.



The left side of the screen serves as a “tape” to record your calculations. Use the double up and double down arrow buttons on the screen to scroll up and down the “tape.”

To save a number in calculator memory, select the MS (Memory Save) button. To recall the number, select the MR (Memory Recall) button.

Shortcut: To automatically add, subtract, multiply, or divide, enter first number. Press  until you reach desired numeric operation, stop pressing , and the operation is inserted.

CONVERTER

Convert a variety of measurements such as world currencies, area, length, volume, temperature, power, and velocity.

Set the Base Currency

From **Tools** application:

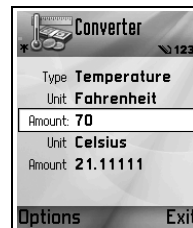
1. Open **Converter**.
2. If the **Type** field is not set to **Currency**, open and change to **Currency**.
3. Press **Options** and select **Currency rates**. A list of world currencies (3 letter currency codes) appears with the base currency (if set) noted at the top of the screen.
 - Most commonly used codes are listed first. They are USD = U.S. dollar; EUR = European Union euro, GBP = British pound sterling, JPY = Japanese yen.
4. Scroll to the desired currency code you wish to set as the base, press **Options** and select **Set as base curr..**
 - Any rates entered earlier are reset to zero.
5. Scroll to desired currency codes and type in currency exchange rates, based on your newly set base currency = 1.
 - To enter a decimal, press **#.**
6. Press **Done**.
7. Continue with step 3 in *Convert Measurements* on page 112.


Note: To edit the currency rates, press **Options** and select **Currency rates**.

Convert Measurements

From **Tools** application:

1. Open **Converter**.
2. Open the **Type** field, scroll to desired measurement type and press **OK**.
3. Scroll to first Unit field, press **Options** and select **Select unit**.
 - If converting Currency, press **Options** and select **Change currency**.
4. Scroll to the desired unit to convert FROM, and press **OK**.
5. Scroll to second Unit field, press **Options** and select **Select unit**.
 - If converting Currency, press **Options** and select **Change currency**.
6. Scroll to the desired unit to convert TO, and press **OK**.
7. Scroll to the first Amount field, press **C** to erase zero. Type in desired unit amount to convert.
 - To enter a decimal, press **#.**



- To enter + and - (for temperature) and E (exponent) symbols, press . Converted amount automatically displays in second Amount field.

Note: You can also convert amounts in reverse. Type in amount in second field, converted amount automatically displays in first field.

NOTEPAD

Jot down quick notes into the notepad. Open and edit simple text documents (.txt) saved from text attachments sent using messaging.

From **Tools** application:

1. Open **Notepad**.
2. Press **Options** and select **New note**.

To send a note:

From **Tools** application:

1. Open **Notepad**.
2. Press **Options** and select **Send > Via text message, Via multimedia, Via e-mail, Via Bluetooth** or **Via infrared**.
3. To complete text messages, see page 42; or multimedia messages on page 42; or E-mail messages on page 44; or Bluetooth on page 83; or Infrared on page 85.

RECORDER

Record voice memos up to 1 minute in length. You can also record a two-way phone conversation. Recorded sound clips are stored in .amr format.

Record a Sound Clip

From **Tools** application:

1. Open **Recorder**.
2. Press **Options** and select **Record sound clip**.
3. Begin speaking into microphone. Press **Stop** to stop recording.
 - Seconds counter bar near bottom of screen and Length counter both keep track of seconds elapsed.
4. To rename the sound clip to find it in the list, press **Options** and select **Rename sound clip**.

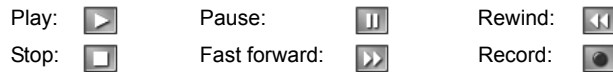
Play Back a Sound Clip

If sound clip was just recorded, go to step 4. Or from **Tools** application:

1. Open **Recorder**.
2. Press **Options** and select **Go to Gallery**.
3. Open desired folder, then scroll to desired sound clip and open.

4. Select on screen Play button.

- Volume control - Scroll ◀▶ to adjust volume. Note speaker icon and volume steps in upper part of screen.
- To select buttons on screen, scroll ▲ or ▼ to move box to button and press ● :



To play a sound clip during a call, open the sound clip from its current location and play. The other person hears the sound clip.

Record a Conversation

Caution: You are responsible for the security of a recorded message. Ask for the other party's consent before recording, and abide by local voice recording laws.

1. During a phone conversation, press ☺ and follow steps 1 to 3 in *Record a Sound Clip* on page 113.
2. The conversation records.
3. Press **Stop** to stop recording.

Send a Sound Clip

If sound clip was just recorded, go to step 4. Or, from **Tools** application:

1. Open **Recorder**.
2. Press **Options** and select **Go to Gallery**.
3. Open desired folder, then scroll to desired sound clip.
4. Press **Options** and select **Send > Via multimedia, Via e-mail, Via Bluetooth or Via infrared**.
5. To complete multimedia messages, see page 42; or E-mail messages on page 44; or Bluetooth on page 83; or Infrared on page 85.

Recorder Settings

From **Tools** application:

1. Open **Recorder**.
2. Press **Options** and select **Settings**. Scroll to:

Memory in use	Store recordings in phone memory or miniSD Card
Default speaker	Choose Loudspeaker or Handset

Use Recording as a Ringing Tone

To use a recording as a ringing tone, record a sound clip as described in *Record a Sound Clip* on page 113.

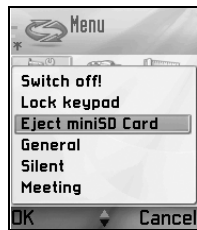
The new sound clip automatically appears in the Ringing tone lists in the Ringtones, Contacts, Clock, and Calendar alarm applications. See *Ringtones* on page 91; *Assign a Ringing Tone* on page 33; and *Set Alarms* on page 105 to assign ringing tones.

MINISD CARD (MEMORY CARD)

Backup your phone memory onto the miniSD memory card. miniSD Cards can be installed into the standard size memory card socket of other devices using the miniSD Card adapter (see *Using miniSD Card and miniSD Adapter* on page 116). Data file size of miniSD Card may vary with current availability.

Remove miniSD Card

1. Press **⓪**, scroll to **Eject miniSD Card** and press **OK**. Wait for file saving or copying process to finish before removing miniSD Card.



2. Continue with *Removing miniSD Card* on page 10.

Format, View Details of miniSD Card

Backup Files

Warning: Do not format a miniSD Card that contains important software as this destroys all data on the miniSD Card.

From **Tools** application:

1. Open **miniSD**. A list indicating name, storage capacity, storage used, and storage free displays.
2. Press **Options** and select:

Remove miniSD Card	Saves data and closes applications before ejecting miniSD Card
Backup phone mem.	Backup the phone contents to the miniSD Card

Restore from card	Restore earlier backed up miniSD Card data to the phone memory
Format miniSD Card	Format other brand miniSD Cards if needed before first use
miniSD Card name	Write a name or title for the miniSD Card
Memory details	View number of bytes stored in separate applications such as Calendar, Messages, documents. Also view total memory in use and free memory.

Password in some miniSD Cards

Some brands of miniSD Cards can be locked from unapproved use by entering a password. If you insert a miniSD Card with locking capability into your phone, the following option items will appear.

From **Tools** application:

1. Open **miniSD**.
2. Press **Options** and select:

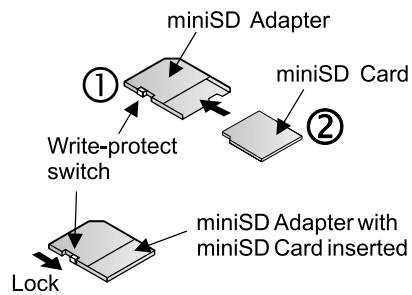
Set password	Enter a password to use to lock the miniSD Card. Thereafter, the password must be entered to use the miniSD Card in any device.
Remove password	Removing the password unlocks the miniSD Card, and it can be used in another device without a password.
Change password	Change locking password for this miniSD Card.
Unlock miniSD	Enter the password to unlock the miniSD Card.

Using miniSD Card and miniSD Adapter

By inserting the miniSD Card into the miniSD adapter, you can use the miniSD Card in an SD memory card compatible personal computer. Back up data and print images using a printer.

To insert the miniSD Card into the miniSD adapter:

1. On miniSD adapter, move lock tab into unlocked position.
2. Slide miniSD Card in with notched corner entering the left side of the miniSD adapter first into the pocket until it clicks.
3. Follow manufacturer's instructions for inserting an SD card in the compatible personal computer and accessing the data.



WRITE-PROTECT miniSD CARD

- To protect important data, move write-protect switch to Lock position. The miniSD Card is write-protected and you cannot write, save, or delete data or format the card.
- To write data to the miniSD Card, move write-protect switch to unlocked position.

TO-DO LIST

Make a list of tasks, and set a deadline and priority for each.

Create a New To-do Task

From **Tools** application:

1. Open **To-Do**.
2. Press **Options** and select **New to-do note**.
3. Enter information in fields:

Subject	Description of task or subject
Due date	Assign a due date
Priority	Open and select High, Normal or Low .

4. Press **Done** to save.

Note: In the list of tasks, ! icon means High priority task;
- icon means Low priority task.

Edit and Mark To-do Tasks

From **Tools** application:

1. Open **To-Do**.
2. Scroll to the desired task.
 - To edit, open task and edit information in fields as desired.
 - To mark the task as completed or to restore task, press **Options** and select **Mark as done**, or **Mark as not done**.

Note: A checkmark within a box means task is completed.
A blank box means task is unfinished.

APPLICATION MANAGER

The Application Manager allows you to install and manage both Java™ MIDlet (Mobile Information Device) applications and device software installation files. Examples include games, secure information storage, and compression software. You can also view and manage Authority and Personal certificates (see *Certificate Management* on page 101).

View Details of Application

From **Tools** application:

1. Open **App Mgr**.
2. Scroll to desired application installation file.
 - Files with extension .sis are device software installation files. Files with extensions .jad or .jar are Java™ applications.
3. Press **Options** and select **View details**.
 - A list displays with details such as name, version, type, certificate and signature details, trust status for MIDlets, application size, application supplier.

View Certificate

From **Tools** application:

1. Open **App Mgr**.
2. Scroll to desired application installation file.
3. Press **Options** and select **View certificate**.
 - A list displays with details such as issuer, subject, validity period, serial number, and fingerprint.

See *Certificate Management* on page 101.

Install Application or Software

Your phone supports installation of software and applications suitable for the Symbian™ operating system. Because these files are usually large and compressed, be sure to reserve enough time and phone memory for the entire installation procedure.

From **Tools** application:

1. Open **App Mgr**.
2. Scroll to desired application installation file.
3. Press **Options** and select **Install**.

Note: Panasonic is not responsible for the performance of downloaded content or possible corruption of phone software.

If there is no digital signature or certificate attached to the software or application, the phone issues warnings of the risks of installing without verifying the source. You should only install software or applications from sources that you have personally verified and of which you are absolutely sure.

You will see messages asking if you wish to continue or cancel during different phases of the installation process.

If the installation process is cancelled for some reason, such as the phone runs out of memory, then the installation is not complete, or partial. To complete the partial installation, either delete the partially installed application, or reinstall the application.

If there are problems with installation, you can view the installation log or send the installation log to a help desk for troubleshooting. Press **Options** and select **View log** or **Send log**.

Remove Application or Software

From **Tools** application:

1. Open **App Mgr**.
2. Scroll to desired application installation file.
3. Press **Options** and select **Remove**.

Note: Removing a software application may cause you to not be able to view documents created with that software, and other software may not work if it relies on the removed software.

FILE MANAGER

Organise and manage files stored in the phone memory and on the miniSD Card. It's an easy way to find files and folders.

View Folders and Files

From **Tools** application:

1. Open **File Mgr**.
2. A list of folders and files stored in the phone memory appears. Some folders may have sub folders, for example, Images folder has two sub folders - Picture msgs. and Wallpapers. Files that have not been stored in a folder are listed after the folder names.
 - Scroll ► to view folders and files stored on the miniSD Card.
3. Scroll to desired folder or file and open.



Find Folders and Files

Type letters or keywords in a search box to find a folder or file.

From **Tools** application:

1. Open **File Mgr**.
2. Press **Options** and select **Find**.
3. Choose to look in the phone memory or miniSD Card.

4. Type in the keyword to find, or just type in a few letters, and press **Find**.
5. After a brief period of searching, a list of files and folders containing the keyword displays.
6. The list is sorted from closest match first to farthest match last. Folders and files with the same name appear with folder before file.

Manage Folders and Files

From **Tools** application:

1. Open **File Mgr**.
2. Press **Options** and select:

Open	Open the selected folder or file.
Delete	Delete the selected folder or file.
Move to folder	Move selected item to another folder.
Copy to folder	Copy selected item to another folder, leaving the original in its current place.
New folder	Create a new folder.
Mark/Unmark	Mark or unmark several files at once. Not available for folders.
Rename	Change name of item. Default folders cannot be renamed.
Receive via infrared	To receive a file via Infrared, see page 85.
View details	View name, format type, date and time modified, size in bytes or kilobytes (if item is a folder, size is total of all files and folders inside the folder), whether it is a default folder, amount of sub folders, and amount of files.
Memory details	View number of bytes stored in separate applications such as Calendar or Messages. Also view total memory in use and free memory. View phone memory on phone memory tab, or scroll ► for miniSD Card memory.

Send Files

From **Tools** application:


1. Open **File Mgr**.
2. Open desired folder, then open file.
3. Press **Options** and select **Send > Via multimedia, Via e-mail, Via Bluetooth, or Via infrared**.


4. To complete multimedia messages, see page 42; or e-mail messages on page 44; or Bluetooth on page 83; or Infrared on page 85.

Note: The phone may not allow you to copy, modify, transfer or forward some copyrighted images, ringtones or other content.
Send is not available if a folder or playlist is highlighted.

PHOTOLIGHT

Light up your subject before snapping a picture or recording a video clip. To turn on the PhotoLight,

1. From standby mode, press and hold .
2. Open Camera and continue with *Take a Picture* on page 58. To record a video clip, continue with *Record a Video Clip* on page 71.

To switch off PhotoLight, return to standby mode, then press and hold .

Or, you can switch on or off PhotoLight from **Tools** application:

1. Open **PhotoLight**.

Unlike a camera flash, the PhotoLight does not flash. PhotoLight remains on until you switch it off.


Note: Do not use the PhotoLight near the eyes. The PhotoLight is intended as an auxiliary light source for shooting photos in dim areas. It does not produce the intense light of a typical camera flash.


Battery note: Keeping PhotoLight switched on consumes battery power more rapidly. To conserve battery power, switch off PhotoLight when not in use.



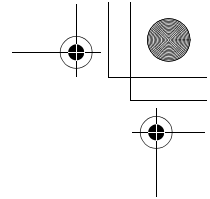
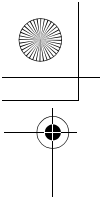
Use PhotoLight as a Flashlight

The PhotoLight can be switched on to use as a small flashlight.

1. In standby mode, press and hold . The PhotoLight switches on.

To switch off the PhotoLight, return to standby mode, then press and hold .

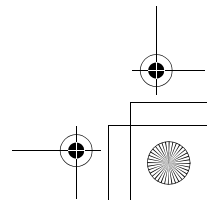
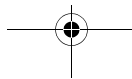
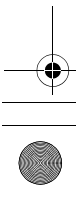
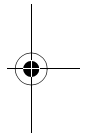
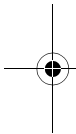
- Whether or not you close the flip, the PhotoLight remains on until you switch it off.
- The PhotoLight also switches off when the phone is switched off.



SIM TOOL KIT

The SIM Tool Kit allows applications existing on the SIM card to interact and operate with your phone. These applications, stored in the SIM memory, are Value Added Services. Your network operator can configure your SIM card with applications that can be seen on your phone as additional menu items.


Contact your network operator for further information.



CALL LOGS


Check your recent missed calls, received calls, and dialled numbers. View the amount of data sent and received via GPRS. View details for each incoming and outgoing communication event such as voice calls, text messages, and GPRS connections. These features are SIM card dependent.

MISSED CALLS, RECEIVED CALLS, AND DIALLED NUMBERS

When you miss an incoming call, a missed call icon  and a note displays on the standby screen. Press **Show** to view the details of the missed call.

From **Call Logs** application:

1. Open **Recent calls**.
2. Open **Missed calls**, **Received calls**, or **Dialled nos.**.
3. List of last 20 calls appears with caller or dialled phone number (or name if entered in Contacts), date and time of call. Also, scroll **▶** or **◀** to view lists.

Shortcut: To view the Dialled nos. list from the standby screen, press .

To clear all Recent calls lists (Missed calls, Received calls, and Dialled nos.) at once, open **Recent calls**, then press **Options** and select **Clear recent calls**.

Call or Add to Contacts

Make a call using a number from the recent calls lists, or add the number to your Contacts list.

From **Call Logs** application:

1. Open **Recent calls**.
2. Locate desired number in **Missed calls**, **Received calls**, or **Dialled nos.**, and highlight.
3. Press **Options** and select:

Call	Dial the number.
Create message >	Select Via text message or Via multimedia to create a new message addressed to the number.
Use number	Use the number as a base to edit for dialling a similar number.
Delete	Delete highlighted number.
Clear list	Erase all numbers from selected list.
Add to Contacts >	Create new Contacts card or Update existing card using the number.

CALL DURATION

Check duration of last call and accumulated duration of dialled calls, received calls, and all calls.

From **Call Logs** application:

1. Open **Call duration**.
2. Scroll to view duration of **Last call**, **Dialled nos.**, **Received calls**, and **All calls** (since last counter reset).
 - Times indicated in hours:minutes:seconds.

To clear all Call duration lists (Last calls, Dialled nos., Received calls and All calls) at once, press **Options** and select **Clear timers**. Enter the phone lock code and press **OK**. See *Security Settings* on page 99.

To separate Call duration lists into summaries for each of both lines, Line 1, or Line 2, press **Options** and select **Filter timers**.

Note: Actual times invoiced from your wireless service provider for calls and services may vary from the call timers depending on number of network features purchased, when billing begins and ends, billing rounding off, etc.

GPRS DATA COUNTER

View the amount of data in kilobytes sent and received by the phone via GPRS data packets, for example, WAP pages, e-mail messages, downloaded ringtones and applications.

From **Call Logs** application:

1. Open **GPRS counter**.
2. **All sent data** and **All receiv. data** amounts display in kilobytes.

To clear the GPRS counter, press **Options** and select **Clear counters**. Enter the phone lock code and press **OK**.

See *Security Settings* on page 99.

CALL LOGS SETTINGS

From **Call Logs** application:




1. Press **Options** and select **Settings**.
2. Scroll to select:

Log duration	Choose from No log , 1 day , 10 days , or 30 days to store call information in the logs.
Show call duration	Select Yes to switch on a time elapsed counter to display during a call.

GENERAL CALL LOGS

View details for each incoming and outgoing communication event such as voice calls, text messages, and GPRS connections.

From **Call Logs** application:

1. Scroll ► to General Logs tab .
2. A list of communication events displays. Up arrow icon  indicates outgoing or sent; down arrow icon  indicates incoming or received events.
3. Press **Options** and select:

View details	Scroll to desired event to view details such as direction (in/out), type (voice, data, etc.), duration (for calls).
Clear log	Clear all events from the log.
Filter	Separate events into a list by type such as Outgoing, Incoming, Voice calls, Data calls.
Add to Contacts >	Scroll to desired event to Create new Contacts card or Update existing card using number or address.

QUICKOFFICE

Store your Microsoft® Word, Excel, and PowerPoint® documents on your phone. Edit them right on the phone, then beam or send the new documents to another device, or save them to the miniSD Card.

Note: For customer support and more information on Quickoffice, visit www.quickoffice.com.

VIEW DOCUMENTS

From **Quickoffice** application:

1. Scroll ► to Quickword, Quicksheet, or Quickpoint documents tabs.
2. A list of documents in phone memory appears.
3. Press **Options** and select:




Open	Open highlighted file.
New	Create a new document.
Browse	Select the memory to browse. Open folders as needed to view documents.
File management >	Sort files to sort by name, size, date or ext., or Scan location to Scan default, Scan mail, or Scan all.
Refresh	Refresh the list view.
Properties	View details of highlighted file.
Send as	Send file Via multimedia, Via e-mail, Via Bluetooth, Via infrared.
Delete	Delete highlighted file.
About product	View copyright information about the software.
EULA	View software license agreement.

Note: You can also view and move your documents from File Manager (see page 119).

VIEW MICROSOFT® WORD DOCUMENTS

Documents open in read-only full screen view. You must press **Options** and select **Edit mode** to make edits to a document.

Scroll ◀▶ to move one line at a time or scroll ⬆ to move one page at a time.


Go to shortcuts (percentage through the document): Press  for 20%,  for 30%, etc.,  to go to beginning.

Press **Options** and select:

Edit mode	Go to Edit mode.
Search >	Choose Find , Find Next or Replace . Enter text to be located in Find field. In other fields, scroll ► to choose a search range. Then press Find .
Goto >	To go to desired place in the document, choose Top , Percent , or Bottom .
Zoom >	Zoom out , Zoom 100% , or Zoom in document by desired amount.
Autoscroll	Automatically scroll document line by line. Scroll ▼ to increase speed, scroll ▲ to decrease speed.
Print	Print document by sending it via Multimedia, Bluetooth or infrared.

EDIT MICROSOFT® WORD DOCUMENTS

1. From an open document, press **Options** and select **Edit mode**.
2. Save the document with a new file name.
3. Scroll through the document using:
 - ▼ -- move down one line ▲ -- move up one line
 - ◀ -- move left one space ► -- move right one space

To highlight text to apply a format, press and hold , then scroll ► or ◀. The text will highlight. For more text editing options, see *Entering Text* on page 23.

Press **Options** and select:

View mode	Go to View mode.
Font	Choose a font name and size to apply to highlighted text.
Style >	Choose bold, italic, or underline to apply to highlighted text.
Alignment >	Choose left, centre, or right alignment to apply to highlighted text.
Color	Choose a colour to apply to highlighted text.
Bullet	Apply bullet to highlighted text.
Search >	Choose Find , Find Next or Replace . Enter text to be located in Find field. In other fields, scroll ► to choose a search range. Then press Find .
Print	Print document by sending it via Multimedia, Bluetooth or infrared.

Note: Tables, pictures or embedded objects in Microsoft® Word documents cannot be displayed on the phone. If a file containing tables, pictures or embedded objects is edited and saved on the phone, then the non-text material may not be saved.

VIEW MICROSOFT® EXCEL DOCUMENTS

Documents open in read-only full screen view.

Scroll through the document using:

- ▼ -- move down one cell ▲ -- move up one cell
- ◀ -- move left one cell ▶ -- move right one cell
- -- toggle between view mode and edit mode

Press **Options** and select:

Edit Cell	Edit highlighted cell.
Worksheets >	Select, insert, rename or delete worksheets.
Toggle Full Screen	Toggle between full screen and reduced screen.
Zoom >	Choose a size to zoom document.
Freeze >	Freeze Row , Column or Both for the highlighted cell.
Adjust Column Width	Scroll ◀▶ to adjust column width.
Clipboard >	Choose Cut , Copy , Paste or Select All to apply to highlighted cells.
Search >	Choose Find or Replace . Enter text to be located in Find field. In other fields, scroll ▶ to choose a search range. Then press Find .
Properties	Set cursor movement after entry and toggle auto-recalculations.
Print	Print document by sending it via Multimedia, Bluetooth or infrared.

EDIT MICROSOFT® EXCEL DOCUMENTS

Documents open in read-only full screen view.

- -- toggle between view mode and edit mode

In edit mode:

- ◀ -- move cursor left within a cell ▶ -- move cursor right within a cell

To select cells, press and hold ●, then scroll ▼, ▲, ▶ or ◀.

Press **Options** and select:

Accept Text Edit	Enter the edit.
-------------------------	-----------------

Revert Text Edit	Revert to previous cell content.
Operators >	Choose from list of math operators and commonly used symbols.
Functions >	Choose from list of spreadsheet functions.
Range Select	Select a range of cells by highlighting.
Formatting >	Choose from list of formatting.
Alignment >	Choose Default , Left , Center or Right to apply to highlighted cells.
Font >	Apply Bold or Underline font style.
Color >	Apply colour to font or cell.
Style >	Choose from list of text and number styles.
Clipboard >	Choose Undo , Cut , Copy , Paste or Select All to apply to highlighted cells.
Clear >	Clears highlighted cell formatting, formula content, or both.
Print	Print document by sending it via Multimedia, Bluetooth or infrared.

Note: Macros, pictures, graphs or embedded objects in Microsoft® Excel documents cannot be displayed on the phone. If a file containing macros, pictures, graphs or embedded objects is edited and saved on the phone, then the non-text material may not be saved.

VIEW MICROSOFT® POWERPOINT® DOCUMENTS

Documents open in outline view.

Scroll ◀▶ to move between outline, notes, slide, and thumbnail views.

Navigation Shortcuts

View	Action	Keypress
Outline, Notes, Slide	Toggle between full screen and partial screen	●
Slide view full screen	Zoom out Zoom in Fit to screen	⏪ ⏩ ⏴
Outline, Notes, Slide	Previous slide Next slide	▲ or ⏮ ▼ or ⏭

View	Action	Keypress
Thumb (4 slides per page)	Page up	▲
	Page down	▼
	Next slide	# 17
	Previous slide	* 16
Outline	Collapse slide	! ad
	Expand slide	3 del
	Collapse all	4 gnd
	Expand all	6 mso
	Edit slide	2 abc

Options Menu

The Options menu varies in an open PowerPoint® document, depending on which of the 4 views you are using.

Press **Options** and select:

Toggle Screen	Toggle screen in outline, notes, and slide view.
Edit >	In outline view, you can edit the entry, insert and delete slides. In notes view, you can edit the entry.
Outline >	In outline view, expand and collapse one or all slides.
Navigate >	In all views, move to next or previous page or slide.
Goto >	Go to another view.
Pitch >	Start or stop pitch device.
Print	In outline or notes view, print document by sending it via Multimedia, Bluetooth or infrared.
Exit >	In thumb view, choose Close and save , Close and save as , or Close and discard .

Note: Animation, multimedia, or embedded objects in Microsoft® PowerPoint® documents cannot be displayed on the phone. If a file containing animation, multimedia or embedded objects is edited and saved on the phone, then the non-text material may not be saved.

GAMES

Your phone is supplied with two games, MicroGolf and Balloon-Headed Boy.

Note: For customer support and more information on MicroGolf and Balloon-Headed Boy games, visit the forum at www.morpheme.co.uk.

Battery note: When using a game, keeping Keypad Backlight on continuously for a long time consumes battery power more rapidly. To conserve battery power, set Keypad Backlight Time to "Always off". See *Keypad Backlight Time* on page 94.

Download Games

See *Download Files from the Internet* on page 77. For customer support of downloaded content, visit the respective supplier's website.

Note: Panasonic is not responsible for the performance of downloaded content or possible corruption of phone software.













Free content is available for your X800 phone. For downloading information, visit www.panasonicbox.com. Availability of this service is dependent on your country/region or network. The downloaded content is free, however there will be a communication fee to download.

MICROGOLF GAME

Play 18 holes of a miniature golf game.

From **Games** application:

1. Open MicroGolf icon.
2. Navigation options:

Rotate clockwise:	Scroll  or press  .
Rotate counterclockwise:	Scroll  or press  .
Snap direction to the diagonal:	Press  ,  ,  , or  .
Increase power:	Press  or  . Release to hit the ball.
Toggle golfer on or off:	Press  .
Toggle manual scroll to see further than ball centered view allows:	Press  . Scroll for 4 directions to move the view.
Switch sound on or off:	See Options menu.



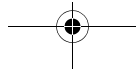
BALLOON-HEADED BOY GAME

Move Balloon-Headed Boy through different levels to rescue balloons to bring to the birthday party. Watch out for the frogs!

From **Games** application:

1. Open Balloon-Headed Boy icon.
2. The game may show hints of which key to press to move.
3. Navigation options:

Move right:	Scroll ► or press (G mho).
Move left:	Scroll ◀ or press (4 qht).
Move up:	Scroll ▲ or press (2 abc).
Move down:	Scroll ▼ or press (8 tuv).
Go back one screen:	Press [Back].
Switch sound on or off:	Press (5 on) when at title screen below speaker icon.



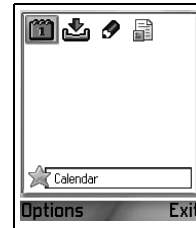
FAVOURITES

Favourites serves as a “bulletin board” storing shortcuts to your frequently used applications or documents stored in phone memory or miniSD Card.

OPEN A FAVOURITES SHORTCUT

Open **Favourites** application:

1. Scroll to the desired shortcut; press **Options** and select **Open**.
Or, press **Enter** to open.



ADD A SHORTCUT TO FAVOURITES

1. Open the item within the application or open the document in which you want to store a shortcut in Favourites.
2. Press **Options** and select **Add to favourites**.
 - Adding to Favourites is available only for certain applications.

MANAGE FAVOURITES

Open **Favourites** application:

1. Scroll to the desired shortcut.
2. Press **Options** and select:

Edit shortcut name	Change the name of the shortcut.
Shortcut icon	When this option appears, choose a different icon picture by scrolling through grid.
Move	A checkmark appears on the shortcut icon. Scroll Left/Right or Up/Down to move to desired location, press OK .
List view/Grid view	View the shortcuts in a list view or grid view.
Delete shortcut	Remove shortcut from Favourites.

Note: The default shortcuts to Today in Calendar, Inbox in Messages, and Notepad cannot be deleted, nor can the icon be changed.

To change the wallpaper of the Favourites screen, see *Change Wallpaper or Screensaver* on page 93.

ACCESSORIES

Many accessories are available for your Panasonic phone. Contact your wireless service provider to purchase Genuine Panasonic accessories. Using non-Panasonic accessories or accessories not recommended by your wireless service provider may result in poor performance of your phone, or even cause an electrical hazard.

BATTERY LITHIUM-ION 780 mAh (EB-BSX800)



Carry a spare battery.

TRAVEL CHARGER

(EB-CAX) (EB-CAX) (EB-CAX)
(EB-CAX) (EB-CAX)



Recharge the battery using any electrical outlet. Plugs for use in many countries are available.

miniSD CARD



miniSD (secure data) memory card stores sound, video, picture, and voice files. Card memory size varies.

miniSD CARD ADAPTER



This adapter allows you to use your miniSD Card in a standard SD socket. See *Using miniSD Card and miniSD Adapter* on page 116.

Warning: When you use a miniSD Card with an SD Memory Card application device, please insert the card in the miniSD adapter which is included in the package. When you use the card with an SD Memory Card application device, please insert and remove the card with the adapter at the same time and never leave the adapter in the device.

CAR CHARGER (DC ADAPTER) (EB-CDX800)



Recharge the battery using your vehicle's cigarette lighter socket.

CAR HOLDER (EB-KAX800)



Mounted in your vehicle to store your phone. Use with personal handsfree headset for handsfree operation.



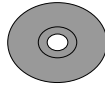
CARRY CASE
(EB-YKX800)

Clip your case to your clothing or purse to keep your phone close.



PERSONAL HANDSFREE HEADSET
(EB-EMD800)

Plug into your phone and talk without holding the phone to your ear.



PRODUCT CD

Transfer data between your phone and your PC, using Bluetooth, Infrared, or USB data cable.



USB DATA CABLE WITH CHARGING CAPABILITY
(EB-UCX800)

Use this to connect your phone to a PC to transfer data between them. Use in conjunction with the software provided on the CD-ROM.



BLUETOOTH® HEADSET
(EB-BHX70)

Talk handsfree and without wires. Place the headset on your ear and the phone in your pocket, with no wires connecting the two.

BLUETOOTH® CAR KIT

Parrot model CK3000 or Parrot model DriveBlue

Made by Parrot, these Bluetooth enabled handsfree car kits allow you to use your phone handsfree in your car. Model CK3000 requires installation, model DriveBlue plugs into your car cigarette lighter.

How to identify a genuine Panasonic accessory

Panasonic produces some of the most advanced mobile phones available. So, as you'd expect from this class leader, the range of accessories are second to none. Most genuine Panasonic accessories will have a label showing an "EB-XXXXX" model number.

SPECIFICATIONS

Size

- *Length x width x thickness:* xx mm x xx mm x xx mm
- *Weight:* xxx g

Network bands supported

- *Standard:* GSM900 Class 4 GSM1800 Class 1 GSM1900 Class 1
- *Data bearer:* GPRS Class 10; CSD

Battery

- *Standard:* xxx mAh Lithium Ion
- *Talk time:* x to x hours
- *Standby time:* xxx to xxx hours
- *Charging time:* approximately xx to xxx minutes

Note: Talk and Standby time are dependent upon network conditions, battery condition, and use of certain features such as data calls, games, Bluetooth, camera.
Charging time is dependent on usage and battery conditions.

Displays

- *Main display:* 176 x 208 pixels TFT LCD; 65k colours
- *External display:* 64 x 96 pixels CSTN LCD; 56k colours

Camera

- *Type:* VGA CMOS
- *PhotoLight:* Range 1-2 m
- *Video:* H.263 Encode and Decode; MPEG4 Decode; 3GPP OMA compliant streaming
- *Other features:* "Superbright" Photolight; up to 4X Zoom; Frames; Crop

Connectivity

- *Bluetooth:* Serial port, Dial-up networking, Object push, File transfer, Headset, and Handsfree profiles (v1.1)
- *Infrared:* SIR (slow infrared)
- *USB:* v1.1

Software features





- *Operating System:* Symbian v7.0s, Series 60 v2.0
- *Browser:* WAP 2.0 (WML, XHTML MP, WCSS, cHTML, other)
- *Java:* MIDP2.0, CLDC1.0, JSR 82, 118, 120, 135
- *Digital Rights Management security:* Forward lock DRM + additional content protection
- *Messaging:* MMS 2.0, SMS, Smart messaging
- *E-mail:* SMTP, IMAP4, POP3, MIME2
- *Personal Information Management:* Contacts; Calendar; Scheduler; Clocks (analog, digital); Alarm; Calculator; Converter
- *SyncML:* v1.1.1, Device Management and Data Synchronisation
- OMA Client Provisioning
- *Document Viewer:* view/edit native Microsoft® Word, Excel, and PowerPoint® documents
- *Image Editing:* Crop, slide show, panorama, frames
- *Predictive text:* Tegic T9 predictive text input
- *Voice Recognition:* Speaker independent name, continuous digit dial, command and control

Content and file formats supported

- *Still Imaging:* JPEG, TIFF, WMF, GIF, BMP, WBMP, PNG, EXIF, MBM, SMS OTA, ICO
- *Video playback:* 3GPP, MPEG4, RealVideo7 and RealVideo8
- *Video record:* 3GPP
- *Audio:* RealAudio Voice, RealAudio7, and RealAudio8, AMR-NB, AMR-WB, WAV, WVE, MIDI, GSM 6.10, RAW, RMF, XMF, SMAF.
Bluetooth audio devices are limited to voice calls
- *Text:* Text/plain
- *Ringtones:* 40+ polyphonic, OTA ringtones
- *Application installation package:* Symbian .sis file
- *Java:* JAD and JAR files
- *Digital certificates:* Yes - can download
- *vCard:* Send/receive business cards (Contacts cards)
- *vCalendar:* Send/receive calendar event

TROUBLESHOOTING

PROBLEMS

Problem	Remedy
Phone does not switch on	<ul style="list-style-type: none"> • Check that the battery is properly installed and charged. • Press and hold  for at least two seconds.
Short battery life for a new battery	<p>Battery life is reduced when:</p> <ul style="list-style-type: none"> • playing games • leaving Bluetooth switched on • taking pictures with Camera • recording video clips with Video recorder • recording sound clips with Recorder • using the PhotoLight often • browsing the Internet • downloading data • leaving Cell Broadcast switched on • phone is in a weak service area, requiring more battery power
Battery charging indicator does not appear, and phone cannot be switched on when starting battery charge session	Allow phone to charge for a few minutes before switching on. Battery may have been fully discharged.
Battery fails to charge	Do not connect the Travel Charger until after the battery has been installed.
Display looks faded	Check the Brightness setting (see <i>Display Settings</i> on page 94).
Emergency calls cannot be made	Check that the antenna symbol  is displayed - move to a coverage area and operate your phone when the antenna symbol appears.
Calls cannot be made or received	<ul style="list-style-type: none"> • Check to make sure the phone is switched on. • If keypad is locked, press Unlock softkey, then press . • If phone is locked, enter lock code. • Check that the network signal strength indicator  displays at least one bar. Move to a stronger coverage area. • If no network name appears, the phone may not be registered to a network. Move to another area and watch for the phone to register to a network. • Check Call barring, Fixed dialling, Closed user group, and Call divert settings in Settings application.

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.

Error Messages

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

Error Message	Meaning
Unable to install.	Unable to install game, ringing tone, application, etc., for various reasons such as not enough memory, or downloading failed.
No access points defined. Define now?	You need to set up an access point for your phone to access the service you are requesting, such as Multimedia messaging, e-mail, or browsing the Internet.
Memory full.	Phone memory is full. Delete some files before new files can be stored. See <i>Shared Phone Memory</i> on page 28.
No network coverage	There is no network service in your current location.
Network busy Connection error	Network is overloaded with calls or there was an error trying to connect to the network.
Unable to send message. Maximum message size is xxx.	File size of object attached to message is too large to send. The xxx will be replaced by a file size. You may be able to send the file by infrared, Bluetooth, or transfer by PC Software Suite.
Unable to connect. No network coverage.	Cannot connect to server you are requesting.
Secure connection not available	Network cannot establish a secure connection.
SIM card registration failed	The network cannot register your SIM card. Contact your wireless service provider.
PIN code blocked. Enter PUK code:	PIN code was entered incorrectly 3 times, therefore the SIM card is locked. Enter the PUK code, supplied by wireless service provider.
PIN2 code blocked. Enter PUK2 code:	PIN2 code was entered incorrectly 3 times, therefore the SIM card is locked. Enter the PUK2 code, supplied by wireless service provider.
SIM card rejected	The phone is set to accept only certain SIM cards. It will not accept the currently inserted SIM card.

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CP8 Patent



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Panasonic X800 with Bluetooth[®] Technology

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miniSD[™] Memory Card



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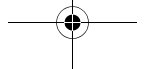
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VoiceSignal Technologies

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INDEX

A

- About (copyrights) 110
- Access point settings 96
- Accessories 134
- Active clamshell 96
- Alarm set
 - Calendar 36
 - Clock 105
- Application manager 118
- Applications
 - Close 27
 - Menu map 29
 - Navigating 25
 - Open 27
 - Options softkey 26

B

- Barring 103
- Battery
 - Charging 9
 - Installing 8
 - Removing 8
- Bluetooth 81
- Browser 74–79
 - Bookmarks 77
 - Connect to Internet 75
 - Download files from Internet 77
 - Online options 76
 - Saved pages 79
 - Set up 75
 - Settings 78

C

- Calculator 111
- Calendar 36–39
 - Alarm set 36
 - Chinese Lunar calendar 39
 - Create new 36
 - Send events 39
 - Settings 39
 - Views 37
- Call
 - Answer by opening flip 96
 - Answering 18
 - Duration 124
 - Ending 22
 - Handsfree talking 20
 - Hold or unhold 19
 - Making 16
 - Mute or unmute 20
 - Open applications during 21
 - Options 19
 - Volume 20
- Call barring 103
- Call divert 102
- Call logs 123
- Call settings 95
- Call waiting 20
- Calls
 - Dialled 123
 - Emergency 18
 - Missed 123
 - Multi-party (conference) 21
 - Received 123

- Camera 58–61
 - PhotoLight 121
 - Picture quality 60
 - Save pictures 59
 - Send pictures 60
 - Take a picture 58
 - View pictures 60
- Cell broadcast messages 56
- Certificate management 101
- Chinese Lunar calendar 39
- Clip art, add to photos 68
- Clock 104
- Close applications 27
- Closed user group 100
- Conference calls 21
- Connection manager 86
- Connection settings 96
- Connectivity 74–90
 - Bluetooth 81
 - Browser 74
 - Connection manager 86
 - Device manager 88
 - Infrared 84
 - Modem 80
 - Operator menu 79
 - Synchronisation 86
 - USB 85
- Contacts 30–35
 - Create new 30
 - Edit 32
 - Find 31
 - Groups 34
 - Make a call 31
 - My numbers 31
 - Send a Contacts card 34

Service numbers 34
SIM directory 30
Converter 112
Copyrights 140
Create e-mail messages 44
Create multimedia
messages 42
Create text message 42

D

Data call
Access points 96
Definition 74
Device manager 88
Dictionary 23

E

Eject miniSD Card 10, 12
E-mail messages 48
Emergency calls 18
Ending calls 22
Enhancement settings 104

F

Favourites 133
File manager 119
Fixed dialling 100
Flashlight 121
Frames, add to photos 68

G

Gallery 62–66
Add clip art, frames 68
Edit photos 67
Play video, sound clips,
and streaming
media 63

Player controls 64
Send pictures, video,
sound clips 65
Slide show 67
View images 62
Zoom 63
Games 131
GPRS
Access points 96
Definition 74
GPRS data counter 124
Groups in Contacts 34

H

Handsfree talking 20

I

Icons (indicators) 14
Inbox 45
Infrared 84
International calling 18
Internet. See Browser

K

Key functions 12
Keys, lock 12

L

Language
Browser page display 78
Cell broadcast 56
Phone 94
Writing 94
Lock code 99
Lock keys 12
Lock phone 99
Loudspeaker 20

M

Making a call 31
Mark 26
Media 62–73
Gallery 62
PhotoBase 66
RealOne Player 69
Video recorder 71
Memory card. See miniSD
Card
Memory details 28
Menu map 29
Messages 40–57
Cell broadcast 56
Create new e-mail 44
Create new
multimedia 42
Create new text 42
Create presentation 43
Drafts 51
E-mail (Mailbox) 48
Inbox 45
My folders 47
Outbox 53
Receive new 45
Reports 54
Sent 52
Service command 57
Settings 54
SIM 56
Types 40
miniSD Card
Application 115
Installing 10
Removing 10, 12
Missed calls 123
Modem 80
Moving in the
applications 25
Multi-party calls 21

Multitasking 27
My numbers 31

N

Navigating in the applications 25
Network settings 103
Notepad 113

O

On or off, switch phone 16
Open applications 27
Operator menu 79
Options softkey 26
Outbox 53
Overview, phone 11

P

Phone
 Memory 28
 Overview 11
 Settings 94
 Switch on or off 16
PhotoBase 66
PhotoLight 121
Photos, edit 67
Picture quality 60
Picture, take 58
PIN code 99
PIN2 code 99
Play video, sound clips, and streaming media 63
Problems 138

Q

Quickoffice 126

R

RealOne Player 69
Recorder, voice 113
Ringtones 91

S

Search 28
Security settings 99
Send Calendar events 39
Send Contacts card 34
Send data via Bluetooth 83
Send data via infrared 85
Send DTMF touch tones 20
Send pictures 60, 65
Send sound clips 65
Send video clips 65
Service numbers 34
Set time and date 104
Settings 94–104

 Access point 96
 Alarm 105
 Barring 103
 Call 95
 Call divert 102
 Certificate management 101
 Clock 104
 Connection 96
 Enhancement 104
 Network 103
 Phone 94
 Security 99
 Speed dial 106
SIM card
 Installing 7
 Removing 8
SIM directory 30
Sound clips, play 63
Sound controls 64

Specifications 136
Speed dial 106
Standby mode displays 15
Streaming media, play 63
SyncML 86

T

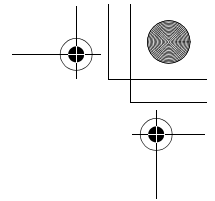
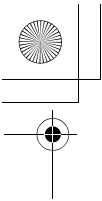
 Tabs 25
 Take a picture 58
Text entry
 Dictionary for predictive text entry 23
 General text entry 23
Themes 92
Time and date, set 104
To-do 117
Tools 111–122
Troubleshooting 138

U

Unmark 26
USB 135

V

Video clips, play 63
Video player controls 64
Video recorder 71
Voice commands 107
Voice dial 107
Voice mail 40
Voice recorder 113
Volume
 Call 20
 Player 64
 Ringtone 91
 Sound clip 64
 Video clip 64



W

Wallpaper, change 93

Z

Zoom

Camera 58

Gallery 63

PhotoBase album 67

PhotoBase camera 66

Video recorder 71

