

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Security** and open.
3. Scroll to **Certif. management** and open.
4. Scroll to an authority certificate, press **Options** and select **Trust settings**.
5. For each application, select **Yes** to enable the certificate to verify software, servers, or browser sites. Select **No** to disable the certificate from verifying software, servers, or browser sites.

Note: Before you change any trust settings, be sure that you trust the certificate owner and have verified that the certificate belongs to the listed owner.

CALL DIVERT

Divert incoming calls (voice, data) to another number. Network dependent service.

Check status of Call Divert

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Call divert** and open.
3. Press **Options** and select **Check status**. Network will send current status message.

Activate Call Divert

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Call divert** and open.
3. Select one or more: **All voice calls**, **If busy**, **If not answered**, **If out of reach**, **If not available**, **All fax calls** or **All data calls**.
4. Press **Options** and select **Activate**.
5. Select whether calls shall be diverted **To voice mailbox** or **To other number**.
6. Enter the phone number and press **OK**.
 - Press **Find** to go to your Contacts to select a number.

Note: If either **If not answered** or **If not available** is selected in step 3, then after step 6, select a **Delay time** from the list before calls will be diverted.

7. Network will send confirmation message.

To cancel call diverts, press **Options** and select **Cancel** or **Cancel all diverts**.

CALL BARRING

Call barring restricts certain types of incoming and/or outgoing calls, using a password furnished by your wireless service provider. Network dependent service.

Check Status of Call Barring

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Call barring** and open.
3. Press **Options** and select **Check status**. Network will send current status message.

Activate Call Barring

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Call barring** and open.
3. Select **Outgoing calls**, **International calls**, **International calls except to home ctry.**, **Incoming calls**, or **Incoming calls when abroad**.
4. Press **Options** and select **Activate**.
5. Enter Barring password and press **OK**.
6. Network will send confirmation message.

To cancel call barrings, press **Options** and select **Cancel** or **Cancel all barrings**.

To change the call barrings password, press **Options** and select **Edit barrings passw..** Enter the password furnished by your wireless service provider. Enter, then verify the new password.

NETWORK SETTINGS

When you are not in your home country or region, you may be able to use a network which you are not directly subscribed to. This is called roaming.

Note: Local laws may not permit roaming in your home region.

Select a Network

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Network** and open.
3. Set **Operator selection** to **Automatic** to have the phone automatically select a network when roaming. Set **Operator selection** to **Manual** to select a network yourself from the list, which are networks available in your current area that have a roaming agreement with your home network.

- **Using a Micro Cellular Network**

When the phone is using a micro cellular network (MCN), it can display a MCN indicator in standby mode. Set **Cell info display** to **On** to switch on this indicator if you enter an MCN.

ENHANCEMENT SETTINGS

When you attach a headset or Bluetooth headset enhancement to the phone, you can set the ringtone (General, Silent, Meeting, Outdoor, Pager) that the phone will use when the enhancement is attached.

See *Ringtones* on page 90 to learn about ringtones.

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Enhancement** and open.
3. Scroll to **Headset** or **BT Accessory** and open.
4. Select the **Default profile** settings (**Active profile**, **General**, **Silent**, **Meeting**, **Outdoor**, or **Pager**).
5. Set **Automatic answer** to **On** if you want the phone to automatically answer calls when the enhancement is attached.

- **Enhancement in use**

Select which enhancement is attached to the phone.

From **Settings** application:

1. Open **Settings**.
2. Scroll to **Enhancement** and open.
3. Open **Enhancement in use** and select **Headset** or **BT Accessory**. **BT Accessory** will display when it is detected by the phone.

CLOCK

Choose a digital or analogue clock to appear in standby mode. Set alarm clock and alarm tone to remind you of events. If the phone is off when alarm time is reached, the phone switches on and the alarm tone sounds.

SET TIME AND DATE

From **Settings** application:

1. Open **Clock**.
2. Press **Options** and select **Settings**.
3. Scroll to the desired setting and open; or press **Options** and select **Change**:

Time	Either type in numbers or scroll \blacklozenge to enter time. Scroll $\blacktriangleleft\blacktriangleright$ to move among fields.
-------------	--

Date	Enter date using same method as time entry
Date format	Select format where mm = month, dd = date, yyyy = year
Date separator	Choose from symbols [. : / -]
Time format	Choose 12-hour or 24-hour
Time separator	Choose symbols : or .
Clock type	Choose Analogue or Digital
Clock alarm tone	To choose a tone, scroll through list of ringing tones. To hear the tone, highlight the tone name and wait. To stop the tone, press any key. To select a tone, highlight the tone name and press Select .
Auto time update	Select On to update time from the network. Available only if network supported.
GMT offset	If Auto time update is not available, select a time zone, which is offset to GMT time (for example, +05:00 or -05:00).
Daylight-saving	Select On to add an offset of +01:00 to the current GMT time.

Note: **GMT offset** and **Daylight-saving** settings are available only if **Auto time update** is set to **Off**.

SET ALARMS

From **Settings** application:

1. Open **Clock**.
2. Press **Options** and select **Set alarm**.
3. Enter alarm time by either typing in numbers or scroll \blacktriangleup . Scroll \blacktriangleleft to move among fields. Press **OK**.

If an alarm is already set, you can reset or remove the alarm by pressing **Options** and selecting **Reset alarm** or **Remove alarm**.

When the Alarm Rings

When alarm time occurs; the alarm tone rings, the backlight flashes, and a message displays.

To turn off alarm, press **Stop**.

To quiet the alarm indicators for 5 minutes, press **Snooze** or any key.

- If the phone is switched off, the phone temporarily switches on and the other alarm indicators take place.
 - If you press **Snooze**, the phone automatically switches off for 5 minutes, then the alarm rings again (maximum 5 times).

- If you press **Stop**, you are asked if you wish to switch the phone on.

Caution: Do not press **Yes** to switch phone on when you are in an aircraft, near sensitive medical equipment, at a refuelling point or when it may cause interference or danger.

The alarm is deleted when you press **Stop**. If you wish to have an alarm for the next day, you have to set the alarm again.

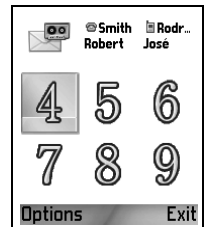
SPEED DIAL

Set phone to quickly dial frequently called numbers by pressing 2 keys.

ASSIGN A SPEED DIAL NUMBER

From **Settings** application:

1. Open **SpeedDial**.
2. A grid showing numbers 1 through 9 appears.
 - If a digit is replaced by an icon, then the corresponding key has been reserved by your wireless service provider to dial a special number, for example, to dial the voice mailbox number.
3. Scroll to a number, press **Options** and select **Assign**.
4. Scroll to the desired Contacts card and press **Select**.
5. Scroll to the desired number and press **Select**.



CALL A SPEED DIAL NUMBER

To call a preset speed dial number, choose a method:



- From standby mode, press the corresponding number key - and press .
- From the Speed dial menu, scroll to desired number and press , or press **Options** and select **Call**.

CHANGE, REMOVE, OR VIEW SPEED DIAL NUMBERS


From **Settings** application:

1. Open **SpeedDial**.
2. Scroll to desired number on grid.
3. Press **Options** and select **Change**, **Remove**, or **View number**.

VOICE COMMANDS

Press and hold , say “Voice Dial”, then say a name in your Contacts list and the phone will dial the number. Press and hold , then say “open Messages” or “open Camera” and your phone will go directly to the application.


START VOICE COMMANDS

1. Press and hold .
 - or from **Settings** application, open **Voice**.
2. You will hear the prompt to “Say a command”.
3. Say one of the choices listed on the phone that you wish to use: Voice Dial, Name Lookup or Open (application).

VOICE DIAL

Dial by Name

To dial by saying the name of the person you wish to call,

1. Press and hold .
2. After the prompt to “Say a command”, say “Voice Dial”.
3. After the prompt to “Say the name or number”, say the full name of a person in your Contact list, including first name and last name.
4. The name is repeated, and the phone will begin dialling.
 - If the name has more than one number in the Contact entry, say the title of the desired number.

Dial by Number

To dial by saying the phone number,


1. After the prompt to “Say the name or number”, say the digits of the phone number you wish to dial, without pausing between digits.
2. If the phone recognises the number, it is repeated and the phone will begin dialling.

If the phone is not sure of the number, it displays a list of choices and prompts “did you say...?” and states the first choice.

- If the number is correct, say “Yes”. If the number is not correct, say “No” to hear the next possible match, or scroll and select the correct number on the list.

NAME LOOKUP


Look up the Contact information for a person in your Contact list, without automatically dialling the phone number.

1. Press and hold .
2. After the prompt to “Say a command”, say “Name Lookup”.

3. After the prompt to “Say the name”, say the full name of a person in your Contact list, including first name and last name.
4. The Contact entry appears on the screen.


OPEN APPLICATION

Open an application by saying “Open”, then say the name of the desired application.

1. Press and hold .
2. After the prompt to “Say a command”, say “Open”, then say the name of the application, for example, “Messages”.
3. The application opens.

See *Voice Commands Settings* to choose applications to open.

VOICE COMMANDS SETTINGS

1. Press and hold .
2. After the prompt to “Say a command”, press **Settings** and select from:

Digit Dialling	If the phone cannot consistently recognise numbers that you are saying, select Adapt Digits to make recordings to teach the system your voice. Select Reset Digits to restore the original recognition software.
Sensitivity	If the phone cannot recognise most of your commands, change sensitivity toward Reject Less. If the phone recognises too many mismatches, change sensitivity toward Reject More. Select Commands or Names . Then scroll up or down to change the setting.
Choice Lists	Choose whether the phone presents choices when the phone does not recognise your command.
Sound	Switch on or off the playback of prompts, names and digits. Select Name Settings to change the speed or volume of name playback.
Language	Choose from the list of languages that the software will use for audio prompts, text screens, and your voice recognition.
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.

PRINT BOY 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 Drvrs 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, scroll ►, press **Options** and select:

Test Print	Send a test print.
Bluetooth >	Select Find Printer to pair with the printer.
Set as Default	From the Drvrs tab, set the highlighted printer 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.

Tools menu contains these main options:



Calculator



Converter



Notepad



Recorder



miniSD



To-do



App Mgr



File Mgr



PhotoLight



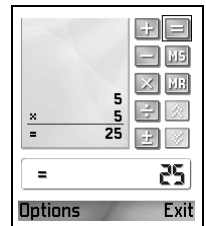
**SIM Tool Kit
(optional)**

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:

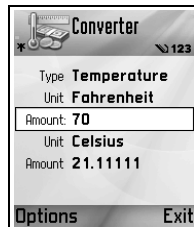
1. Open **Converter**.
2. If the **Type** field is not set to **Currency**, open and change to **Currency**.
3. Press **Options** and select **Currency rates**. A list of world currencies (3 letter currency codes) appears with the base currency (if set) noted at the top of the screen.
 - Most commonly 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 $\frac{\square}{\square}$.
6. Press **Done**.
7. Continue with step 3 in *Convert Measurements* on page 110.


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 $\frac{\square}{\square}$ to erase zero. Type in desired unit amount to convert.
 - To enter a decimal, press $\frac{\square}{\square}$.



- 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 82; or Infrared on page 84.

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**.

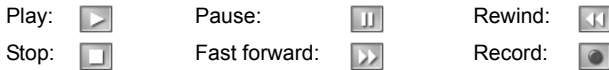
Play Back a Sound Clip

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 111.
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 82; or Infrared on page 84.

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 111.

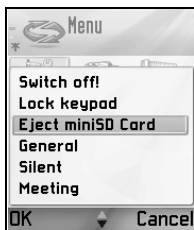
The new sound clip automatically appears in the Ringing tone lists in the Ringtones, Contacts, Clock, and Calendar alarm applications. See *Ringtones* on page 90; *Assign a Ringing Tone* on page 33; and *Set Alarms* on page 104 to assign ringing tones.

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 114). Data file size of miniSD Card may vary with current availability.

Remove miniSD Card

1. Press , 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:

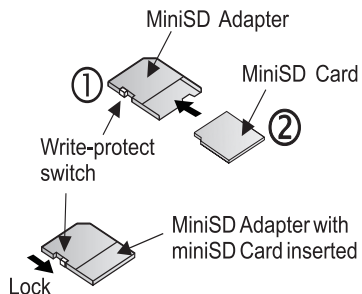
Set password	Enter a password to use to lock the miniSD Card. Thereafter, the password must be entered to use the miniSD Card in any device.
Remove password	Removing the password unlocks the miniSD Card, and it can be used in another device without a password.
Change password	Change locking password 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 100).

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 100.

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 84.
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**.


- To complete multimedia messages, see page 42; or e-mail messages on page 44; or Bluetooth on page 82; or Infrared on page 84.

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,

- From standby mode, press and hold .
- 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:

- 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.

- 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**.

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 98.

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 117).

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.

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 , Find Next 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.

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 
Thumb (4 slides per page)	Page up Page down Next slide Previous slide	▲ ▼  
Outline	Collapse slide Expand slide Collapse all Expand all Edit slide	    

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 Multi-media, 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.

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.

Download Games

See *Download Files from the Internet* on page 76. 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 X700 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  or  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  .
Move left:	Scroll ◀ or press  .
Move up:	Scroll ▲ or press  .
Move down:	Scroll ▼ or press  .
Go back one screen:	Press  .
Switch sound on or off:	Press  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 **⊙** 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:

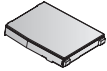
Edit shortcut name	Change the name of the shortcut.
Shortcut icon	When this option appears, choose a different icon picture by scrolling through grid.
Move	A checkmark appears on the shortcut icon. Scroll ◀▶ or ⬆⬇ to move to desired location, press OK .
List view/Grid view	View the shortcuts in a list 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 92.

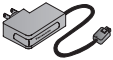
ACCESSORIES

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-BSX700)

Carry a spare battery.



TRAVEL CHARGER

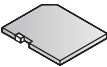
(EB-CAX70AU) (EB-CAX70CN) (EB-CAX70EU)
(EB-CAX70UK) (EB-CAX70US)

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

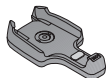
This adapter allows you to use your miniSD Card in a standard SD socket. See *miniSD Card (MEMORY CARD)* on page 113.

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-CDX70)

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



CAR HOLDER (EB-KAX700)

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



CARRY CASE

(EB-YKX700)

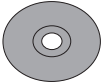
Clip your case to your clothing or purse to keep your phone close.



PERSONAL HANDSFREE HEADSET

(EB-EMD87)

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-UCX700)

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:* 96 mm x 49 mm x 24 mm
- *Weight:* 110 g

Network bands supported

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

Battery

- *Standard:* 780 mAh Lithium Ion
- *Talk time:* 2 to 5 hours
- *Standby time:* 60 to 175 hours
- *Charging time:* approximately 90 to 120 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 (NITZ [Network Informed Time Zone], 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	<p>Allow phone to charge for a few minutes before switching on. Battery may have been fully discharged.</p>
Battery fails to charge	<p>Do not connect the Travel Charger until after the battery has been installed.</p>
Display looks faded	<p>Check the Brightness setting (see <i>Display Settings</i> on page 93).</p>
Emergency calls cannot be made	<p>Check that the antenna symbol  is displayed - move to a coverage area and operate your phone when the antenna symbol appears.</p>
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

(CE marking)



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Panasonic X700 with Bluetooth[®] Technology

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miniSD[™] Memory Card



Java and all Java based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries



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