

In the detail view, you can move tracks between your different folders using the folder function, send tracks to other phones or to a PC, using e-mail, multimedia messaging, Bluetooth wireless technology, infrared communication or cable. Here it is also possible to rename and delete tracks saved in your P800.

The detail view displays the name of the track, the artist name, the album title, the track number, the copyright year, the sound file type and the duration of the track.

Note *The amount of information displayed depends on how much information is available on the sound file.*

Move between the tracks in the current folder using the  and  buttons.



To rename a track

1. Select **Audio > Rename track**.
2. Enter a track name > **Done**.
Two or more tracks cannot have the same name.

To delete a track from the P800

1. Select **Audio > Delete track**.
2. Select **Yes**.

To send a track

- Select **Audio > Send as**.
See *Messaging* for further details.

Note *You cannot send MP3 or AU sound files in a multimedia message. WAV and AMR sound files can be sent using multimedia messaging.*

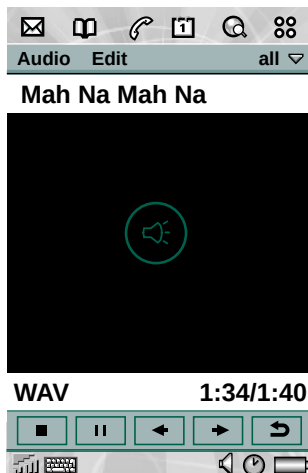
Downloading tracks

When you receive sound files in other applications, such as e-mail and multimedia messages, you activate the viewer in your P800. From the viewer you can then save the sound file to your P800.

To save a track from another application

1. Tap Save or select **Audio** > **Save**.
2. Select what folder you want to save the track in > **Save**.

Note To create your own melodies, see the information on the CD for your P800.



Preliminary

Video player

You can view video clips that you have saved in your P800. The video clips can be downloaded in the P800 from an Internet site or transferred from a PC via cable or from Memory Stick. It is also possible to send these video clips to other phones or PCs, via infrared communication, Bluetooth wireless technology and multimedia messaging.

It is not necessary to download the video clips to be able to view them. You can use the streaming function and view the video clip from the website where it is located. The video clip is played with only a short time delay.

The video player supports files in the MPEG-4 file format, for example *name.mp4*.

To adjust the volume

- Move the Jog Dial up to increase the volume, and down to decrease the volume.

Warning! *The volume may be uncomfortably loud at the higher volume levels if the phone is close to your ear. Exposure to excessive volume levels may damage hearing.*

List view

In the list view, you get an overview of all the MPEG-4 video clips in your P800. You can search for specific video clips, zoom the video clip names and sort them by name, date, size or type. At the bottom of the screen you can see how many video clips you have saved in your P800.

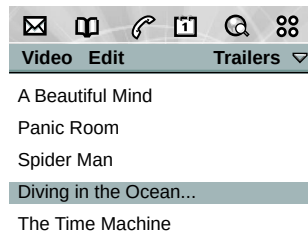
To view a video clip

1. Select  > .
2. Select a video clip in the list.

Tip Use the **Find** function to locate a certain video clip, and the **Zoom** function to change the size of the screen fonts.

To sort the video clips

- Select **Edit** and choose how you want to sort the video clips in the current folder.



Preferences

When you download a video clip to your P800, it is saved in the download cache memory. When this memory is full, you have to empty it to be able to download new video clips to your P800.

To clear the download cache

1. Select **Edit > Preferences**.
2. Select **Clear cache > Done**.

When you view a video clip from a website, using the streaming function, a media buffer is used to provide a steady flow of data. Increasing the size of the media buffer may improve the play-back of the video clip.

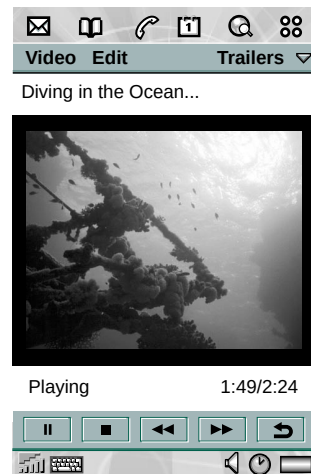
To change the media buffer size

1. Select **Edit > Preferences**.
2. Select **Custom setting** and move the slider left or right.

Detail view

This view is intended for managing one clip at a time. You can play and pause the clip by tapping  and .

In the detail view you can send, rename, delete or categorize your video clips. Only the video clips saved in you P800 can be handled in the detail view. To handle a video clip saved on a Sony Memory Stick, you first have to save it to your P800.



Icon	Function
	Stop the track that is playing.
 	Play/Pause the highlighted track.
	Rewind the current track.
	Forward the current track.
	Takes you back to the previous view.

Preliminary

To rename a video clip

1. Select **Video > Rename clip**.
2. Enter a video clip name > **Done**.
Two or more video clips cannot have the same name.

To send a video clip

1. Select the video clip you want to send.
2. Select **Video > Send as** and choose how you want to send it.

Tip Use the **Folder** function to organize all your video clips.

To copy the current video clip to another folder, select **Video > Copy to**, then select a folder from the list.

To view the video clip information

- Select **Video > Clip info**.

To delete a video clip

1. Select the video clip you want to delete.
2. Select **Video > Delete clip**.

Saving video clips

When you play video clips that you have received via e-mail or multimedia messaging, or that you have downloaded to your P800 from the web, the viewer detail view is automatically launched. From the viewer detail view you can then save the video clip to your P800.

To save a video clip from another application

1. Select the video clip you want to save.
2. Select **Video > Save clip**.
3. Select what folder you want to save the video clip in > **Save**.

Viewer

Viewer is an application used to view various types of documents:

- Word processing documents
- Spreadsheets
- Drawings
- PDF documents
- Presentations
- Archives

Document viewer has two views in flip open mode:

List view An alphabetical list of files, for selecting a file to view.

Detail view The contents of a file, for viewing and manipulating the file.

In addition to opening documents from the list view, you can also open a document from another application, for example by selecting an attached document in an e-mail.

The functions available differ depending on the document type. General functions are similar between the document types and are therefore described separately.

General functions

In all views there is a menu bar from where you can access some of the functions. This section describes the functions that are common to all document types.

List view

Menus	Option	Description
Viewer	Find file	Search files with a name containing a specific text.
	Sort by name	Sort the file list by name.
	Sort by size	Sort the file list by file size.
	Zoom	Set the zoom level of the file list, small, medium or large.
	Zoom in Zoom out Restore	Set the zoom level of the viewed document.
Folders	All	Show all files in the list.
	Unfiled	Show the files that are not in a folder.
	Edit folders	Categorize your files in folders (for example business or personal).

Detail view

Menus	Option	Description
Document	Rename	Rename the document.
	Send as	Send a document as e-mail, Bluetooth™ wireless technology, IR or, multimedia message.
	Save (if opened from another application)	Save the document in the P800.
	Delete	Delete the active document.
	Properties	Show information on the active document.
Edit	Zoom in	Increase the view of the file.
	Zoom out	Decrease the view of the file.
	Restore	Restore to the original size.
Folders	Unfiled	Show the contacts that are not in a folder.
	Edit folders	Categorize your documents in folders (for example business, personal and so on).

To open a document from an e-mail

- Select the document link.
The document viewer is started, showing the detail view of the document.

To save the document in the P800

- Select **Document > Save** from the menu.
- Select where to save the document and select **Save**.

To open a document from the list view

- Select the Application launcher icon .
- Select the Document viewer icon .
- If required, change folder.
- Scroll to the desired file and select the file name.
The document is shown in the Detail view.

To save the document to a different location

- Select **Edit > Copy to** from the menu.
- Select where to save the document and select **Save**.

Functions specific for different document types

When you open a document, the document type is indicated by the name of the first menu, for example **Spreadsheet**.



Detail view - Document

Menus	Option	Description
Document	Find	Search the document for a specific text.
	Find next	Search for the next occurrence of the search text.
	Clear search hits	Remove the search hits.
Edit	Copy	Copy the selected text or elements of the document.
	Select all	Select the contents of the entire document.
	Draft view	Display the document as formatted text without graphics, adapted to the screen.
	Normal view	Display the document as formatted text including graphics, adapted to the screen.
	Page view	Display the document in print preview, showing the complete layout.

To copy text from the document

1. Select the text to be copied. To select all text in the document, select **Edit > Select all**.
2. Select **Edit > Copy**.
The text is put into the clipboard and a message is displayed.

To search for a text in the document

1. Select **Document > Find** from the menu.
2. Enter the text to search for.
3. Select find.
4. If required, select **Document > Find next**.
5. To clear the highlighted search hits, select **Document > Clear search hits**.

To change the document view

1. To display the document as formatted text without pictures, wrapped to the screen size, select **Edit > Draft view**.
2. To display the document as formatted text including pictures, wrapped to the screen size, select **Edit > Normal view**.
3. To display the complete layout of the document, select **Edit > Page view**.

Detail view - Spreadsheets

Menus	Option	Description
Spread-sheet	Find	Search the document for a specific text.
	Find next	Search for the next occurrence of the search text.
	Clear search hits	Remove the search hits.
Edit	Copy	Copy the selected text or elements of the document.
	Select all	Select the contents of the entire document.
	Draft view	Display the document as formatted text without graphics, adapted to the screen.
	Show gridlines	Turn the gridlines on/off.
	Next sheet	Open the view of the next sheet in the workbook.
	Previous sheet	Open the previous sheet in the workbook.

To copy text from the document

1. Select the text to be copied. To select all text in the document, select **Edit > Select all**.
2. Select **Edit > Copy**.
The text is put into the clipboard and a message is displayed.

To search for a text in the document

1. Select **Document > Find** from the menu.
2. Enter the text to search for.
3. Select find.
4. If required, select **Document > Find next**.
5. To clear the highlighted search hits, select **Document > Clear search hits**.

To change the document view

1. To display the document as formatted text without pictures, wrapped to the screen size, select **Edit > Draft view**.
2. To display the document as formatted text including pictures, wrapped to the screen size, select **Edit > Normal view**.
3. To display the complete layout of the document, select **Edit > Page view**.

To show/hide the spreadsheet grid lines

1. Select **Edit > Show gridlines**.

To navigate in the workbook

1. To go to the next sheet in the workbook, select **Edit > Next sheet**.
2. To go to the previous sheet in the workbook, select **Edit > Previous sheet**.

Detail view - Drawing

Menus	Option	Description
Drawing	Find	Search the document for a specific text.
	Find next	Search for the next occurrence of the search text.
	Clear search hits	Remove the search hits.
Edit	Fit to width	Displays the drawing with a width equal to the screen width.
	Fit to window	Displays the drawing with a width and height equal to the screen width and height.
	Next slide	Open the view of the next slide in multi-page documents.
	Previous slide	Open the view of the previous slide in multi-page documents.

To search for a text in the document

1. Select **Document > Find** from the menu.
2. Enter the text to search for.
3. Select find.
4. If required, select **Document > Find next**.
5. To clear the highlighted search hits, select **Document > Clear search hits**.

To navigate in a multi-page drawing

1. To go to the next slide in the drawing, select **Edit > Next slide**.
2. To go to the previous slide in the drawing, select **Edit > Previous slide**.

Detail view - Archive

Menus	Option	Description
Edit	Open	Open the selected file for viewing in a Document viewer window.
	Extract	Extract the selected file to be saved in a selected folder.
	Extract all	Extract all the archive files to be saved in a selected folder.
	Sort by	Allow the user to view files in an archive by name, date, or size.
	Sort order	Allow the user to view files in ascending or descending order.

To extract documents from an archive

1. To open a file for viewing in the Document viewer, select the file and select **Edit > Open**.
2. To extract a file and save it in the selected folder, select **Edit > Extract**.
3. To extract all files in the archive and save them in the selected folder, select **Edit > Extract all**.

To change the archive sort order

1. To sort the documents by name, date or size, select **Edit > Sort by** and select as desired.
2. To change between ascending and descending order, select **Edit > Sort order**.

Online services

Online services is a customized service offered by a network operator.

This symbol  indicates that a service or function is network- or subscription-dependent.

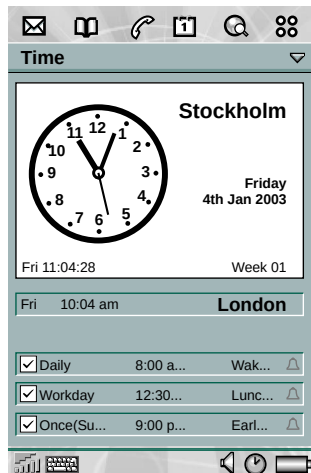
On-line services provides a mechanism that allows applications that exist on the SIM to interact and operate with the P800. It may provide services ranging from weather forecasts to the latest information from the stock market.

Online service are placed on your SIM card by your operator.

Note *Contact your operator to find out which services are available for your account.*

Preliminary Time

The time and date are always displayed in standby mode. You can customize the display of times and dates throughout your P800. You can set your current location and another location of your choice. It is also possible to set three different alarms.



Current city

Current date

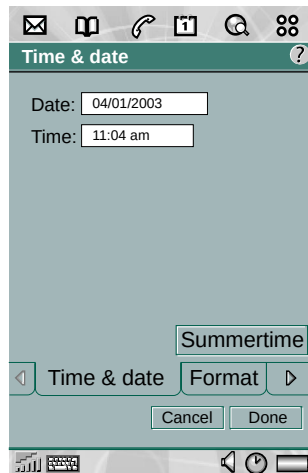
Other city

Alarm slot

Time and date

To set the current time and date

1. Select  > .
2. Tap the clock to view the current time and date settings.
3. Tap the Date box, then use the arrows to set the current year and month. Then select the current day.
4. Tap **Daylight saving time**, then select the check box next to the zone that currently has summer time > **Done**. This is only required if you are currently in a country with summer time.
5. Tap the time box, then tap the upper half of the hour or minute box to increase the number displayed, or the lower half to decrease the number.



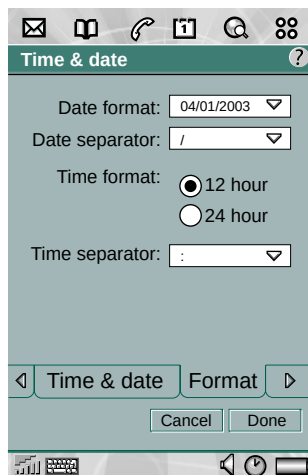
- Use the **am/pm** box to switch between am and pm > . This is only possible if you use the 12-hour time format.
- Select **Done**.

Format

You can specify how you want the time and date to be displayed on the screen, and if you want to use the 12- or 24-hour time format.

To set the time and date display format

- Select  > .
- Tap the clock to view the current time and date settings.
- Select **Format**.
- Tap the Date Format box > choose a format.
- Tap the Date Separator box > choose a separator.
- Select a **Time format**.
- Tap the Time separator box > choose a separator.
- Select **Done**.

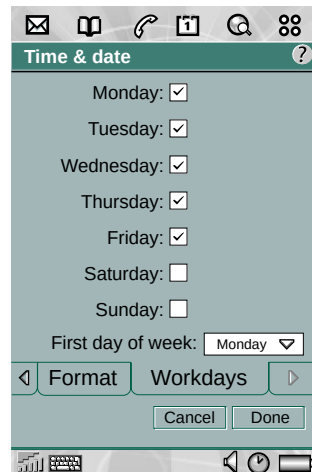


Workdays

You can specify what days you work, if, for example, you want to set an alarm that sounds only on workdays. You can also specify the first day of your week to customize the display of both Week and Month views in Calendar.

To specify your workdays

- Select  > .
- Tap the clock
- Tap the right arrow key icon twice. 
- Tap the check boxes next to the days you normally work.
- Select **First day of week** > choose a day.
- Select **Done**.



Preliminary

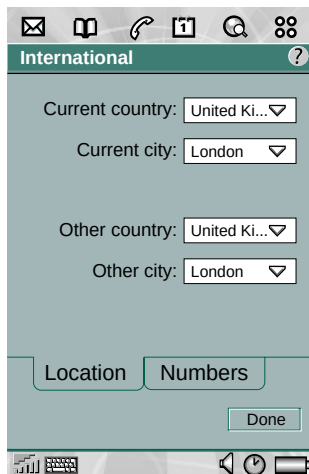
Locations

Specify the country and city you are currently in. The city you select will be displayed next to the clock in Time.

If you are away from home, for example travelling in another country, it can be useful to know what the time is in your home country as well as the country you are in. The city you select as Other City will be displayed below the clock in Time.

To set the locations

1. Tap  > .
2. Tap **Time** > **Set location**.
3. Tap the Current Country box > the country you are in at the moment.
4. Tap the Current City box > the city you are in at the moment. If the city you are in is not listed, select the city closest to you.
5. Tap the Other Country box > choose a country.
6. Tap the Other City box > choose a city.
7. Select **Done**.



Numbers

You can choose how you want the measurements and numbers in your P800 to be displayed in all your applications. Distances can be displayed using the imperial or the metric system and different punctuation marks can be used as separators.

To set the number details

1. Select  > .
2. Select **Time** > **Set location**.
3. Select **Numbers**.
4. Tap the distance boxes > choose imperial or metric.
5. Choose separators and symbol position in the same way as in 4.
6. Select **Done**.

Alarms

You have the possibility to set up to three different alarms in your P800. You can choose to activate one of the preset alarms, or set a new alarm with your own definitions.

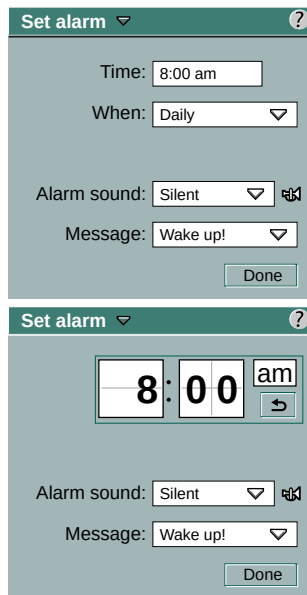
You can choose to set a silent alarm, where only a message is displayed when it goes off, or you can set a sound alert.

To activate an existing alarm

- Select the check box in the alarm slot.  is displayed on the status bar on the screen.

To set a new alarm

1. Select  > .
2. Select one of the alarm slots.
3. Select **Time** > choose at what time you want the alarm to go off.
4. Select **When** > choose how often you want the alarm to go off:
 - **Once** The alarm will go off at a time more than 24 hours from now but within the next eight days.
 - **Next 24 hours** Within the next 24 hours.
 - **Daily** Every day at the specified time.
 - **Weekly** Every week at the specified time.
 - **Workdays** Every workday at the specified time.
5. Select **Alarm sound** > choose a sound.
6. Select **Message** > choose a preset message or write a new one.
7. Select **Done**.



The image shows two screenshots of the 'Set alarm' interface. The top screenshot shows the 'Time' set to 8:00 am, 'When' set to Daily, 'Alarm sound' set to Silent, and 'Message' set to Wake up!. The bottom screenshot shows the 'Time' set to 8:00 am, 'When' set to Daily, 'Alarm sound' set to Silent, and 'Message' set to Wake up!.

8. Make sure the check box next to the alarm is selected.

When the alarm goes off, select **Snooze** to postpone the alarm for five minutes or **Silence** to turn off the alarm sound. To turn off the alarm completely, select **Done**.

Preliminary

Calculator

The Calculator is a standard 10-digit calculator. You can add, subtract, multiply, divide, calculate square root and percentage. It also has a memory function.

To use the calculator

1. Select  > .
2. Enter the calculations by tapping the digits.

All calculations, except percentage calculations, are performed as they are entered, for example: $5+5 \times 5=50$, not 30.

Percentage calculations are performed backwards. To calculate, for example, 10% of 50, enter $50 \times 10\%$. The result is displayed when you tap the %-key.

Key functions

- | | |
|---|---|
| m+ | Tap once to store an entered value in the memory.
If you already have entered a value in the memory, tap once to add the value on the screen to the value in the memory. |
| mr | Tap once to retrieve a value from the memory and enter it into the screen.
Tap twice to clear the memory. |
| m- | Tap once to subtract the entered value from the value in the memory. The memory is adjusted but not displayed. |
|  | Tap once to delete the last digit you entered. |
| C | Tap once to reset the screen to 0. |

You can copy and paste values to and from other applications by selecting **Calculator > Copy** or **Paste**.

Values stored in the memory are retained while using other applications.

Personalizing your P800

There are a number of ways you can give your P800 a personal touch and change its settings to suit your requirements.

Changing your application shortcuts

The standby screen displayed when the flip is closed shows five short-cuts to applications.

From the  **Control panel** you can change them, rearrange them as you prefer, or even hide them, if you wish. See “*Application shortcuts*” on page 23.



Displaying the Area Code in the Standby Screen

If your network operator provides CBS (Cell Broadcast Services) with cell information you can set your P800 to display the area code below the network name in the standby view. See “*CBS tab*” on page 140.

Setting a background picture

From the  **Control panel** you can set a background picture for the stand-by screen. See “*Wallpaper*” on page 127.

You can obtain suitable background picture files by downloading, beaming using  **Bluetooth** or  **Infrared**, or transferring them from your PC.

Background picture images are 208 x 144 pixels and the picture can be seen in the standby screen. (Any chosen picture will be scaled to fit well on the screen). The images can be JPEG, GIF, BMP, WBMP, MBM or PNG format.

Setting a Screen Saver

You can set a screen saver picture to be displayed after a period of inactivity. From the **Control panel** you can also turn this facility on and off and select the delay period before the screen saver is displayed. See “*Display*” on page 127. Key lock and device lock may be used in combination with the screen saver. When you press a key or touch the screen, you will be prompted to activate keys and/or enter the device lock code.

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Picture format for the screen saver is 208 x 320 pixels.



Adding images to your Contacts

You can store a picture with each entry in Contacts. See “Managing contacts” on page 55.

Pictures are easily taken using the CommuniCam (see “CommuniCam and Pictures” on page 94) though of course other images can be used.



If your network operator provides a CLI (Calling Line Identity) service, your P800 can display the contact's picture together with the other information when an incoming call is received with a CLI matching that contact (not all numbers can be displayed). The contact's picture is also displayed when making a call.

To show the contact's picture when receiving an incoming call

1. Select  **Phone > Edit > Preferences > Incoming call picture**
2. Select the **Show picture for incoming calls** check box.
3. Tap **Done**.

Ring signals

Your P800 can play both iMelody format and polyphonic ring signals (WAV, AU, AMR, and MIDI sound file formats). You can add as many ring signals as desired, subject only to available file space.

A ring signal may be selected for an entry in  **Contacts**, so that the caller can be identified by the ring signal that is played.

You can use a recording as a ring signal. See “Voice memo” on page 92. Choose between a recording you have made yourself, and a recording you may have downloaded, transferred from your PC, or received via e-mail, EMS message or MMS message.

The recommended format for WAV files is PCM, 22,050 Hz, 8 bit, Mono, often called 'radio quality'. This format requires approximately 22 kilobytes of space for each second duration. Many PC audio applications support WAV.

Alarm tones and sound notification

You can choose different sounds for alarms and notifications in these applications:



Time

See “*Alarms*” on page 118



Calendar

Set a sound for reminder alerts, see “*Customize the calendar*” on page 81)



Tasks

Set a sound for reminder alarms. See “*Settings*” on page 85



Messages

Set a different sound for each type of message as notification of a new message:
See “*Alerts*” on page 141

Master reset

In the  **Control panel** you can reset all the settings in your P800 to the way they were when you originally bought it. See “*Master reset*” on page 136 for more details.

Control panel

The Control Panel is the location for all the main settings on your P800 that are system-wide and affect more than one application. This is the main place to go to initially set up your P800, and to change settings at any point thereafter. To access it, select  **Control Panel** in  **Applications**.

Tip You can find settings that apply to a single application in the **Preferences** menu of the application, for example: **Phone > Edit > Preferences**, **Communicam > Preferences**, **Internet > Preferences**

To make the **Control panel** settings easier to find, they have been grouped into three groups shown on separate tabs: **Device**, **Connections** and **General**:

<i>Device tab</i>	<i>Connections tab</i>	<i>General tab</i>
Certificate Manager	Bluetooth	International
Display	Cable	Time & date
Flip closed shortcuts	Infrared	
Flip removed	Internet accounts	
Format disk	IP security manager	
Language	Messaging accounts	
Master reset	Secure tokens	
Storage manager	WAP accounts	
System sounds		
Text input		
User greeting		
WIM management		

To see a list of all control panel settings and the groups to which they have been assigned, select **Control panel > Set groups**.

- To sort the list of settings by group name: at the top of the list, select **Group**.
- To change the group to which a setting is assigned: select the name of the setting in the list.

The sections below, arranged in alphabetical order, describe the settings available for each of the default items in the **Control panel**.

Bluetooth

Bluetooth™ wireless technology uses radio waves to enable wireless connections between your P800 and other Bluetooth-enabled devices. This method of linking works well at a range of up to 8-10 metres. Obstructions between the transmitting devices will have an effect on the performance.

Bluetooth settings are shown on two tabs:

- | | |
|-----------------|--|
| Devices | <p>A list of all the Bluetooth-enabled devices that your P800 is paired (bonded) with.</p> <ul style="list-style-type: none"> • To change the name of a device, select the name in the list. • To remove a device from the list, select the name and select Remove. |
| Settings | <ul style="list-style-type: none"> • A “friendly” device name for your P800. <p>Security-related settings:</p> <ul style="list-style-type: none"> • Its Bluetooth wireless technology operation mode. • How it should act when receiving a beamed entry. |

Tip You will probably find that the preset name of your P800, and of devices you pair it with, are not very meaningful or easily recognizable. It is a good idea to change these names to something more useful. The name you choose for your P800 appears on any devices you pair it with.

To locate other Bluetooth-enabled devices in the vicinity

- Select **Add**. The **Available Bluetooth devices** dialogue opens:
 - All enabled devices that are discoverable within range are shown with their name and icon. You can use **Show**: to restrict the list to one category (only PC, for example).
 - Paired devices that are within range are shown with regular text.
 - Non-paired devices that are within range are shown with their names in *italics*.

- Devices that are within range but unknown are shown with a preset name.

If a device you want to pair with your P800 does not appear in the list, check that:

- It is on and within range.
- Bluetooth function on the device has been activated and that it is in discoverable mode.

To pair a device to your P800

1. Select the device in the **Available Bluetooth devices** list.
2. If the device requires a passkey, you will be asked to enter it.
3. Select **Done**.

Note The other device (a PC, for example) may require that you enter the same passkey in its own dialogue.

Security

On the **Settings** tab you can make the following security-related settings:

- You can set your P800 to different operation modes:

- | | |
|-------------|---|
| On | All Bluetooth wireless technology functionality from your P800 works. Your P800 is <i>connectable</i> , paired devices can access it. |
| Auto | All Bluetooth wireless technology functionality from your P800 works. Your P800 is <i>not connectable</i> . |

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Off Bluetooth wireless technology is turned off.

Discoverable Other Bluetooth-enabled devices can find and connect to your P800. To pair with another device, your P800 must be **Discoverable**.

- You can also set how your P800 should act when receiving beamed items:

Always receive Receives the entry automatically.

Ask first You will be shown a **Connection request** that you can accept or reject.

Never receive Rejects the item automatically.

Cable

Use **Cable** to set the cable connection mode and the connection parameters used when communicating through your P800's cable port.

Select **Control Panel > Connections** and select **Cable** to:

- Choose the cable connection mode: when connecting via cable the P800 must be set in PC connect mode or Modem mode, see table below.

PC connect mode	Modem mode
- Synchronization - Installation of software - Backup and restore	- P800 as a modem - Phone Book Manager (PC software)

- Set the baud rate, parity, number of stop bits, character length and type of flow control required for the connection. When connecting your P800 via the desk stand to a USB port on your PC, use the following (default) settings:

Baud rate	460800
Parity	None
Stop bits	1
Character length	8
Flow control	CTS/RTS

Tip You can set the **cable connection mode** when the flip is closed by selecting  **Applications** >  **Connections** >

 **Cable**.

Certificate manager

Digital certificates ensure that the web or WAP pages you visit, or any software you install, really are created by the person you expect.

Certificates may be present on the pages that you view or the software that you download. Your P800 compares these certificates with a set of certificates that are stored in **Certificate manager** to ensure the authenticity of the page or software. If the certificates do not match, your P800 informs you, and gives you the following choices:

- Prevent the page being loaded or the software being installed.
- Continue at your own risk.

The certificates on your P800 have been created and issued by an independent organisation that ensures their authenticity.

Security information

Security information is displayed when **Certificate manager** cannot be sure of the origin of the page or software. For example, security information will be displayed if:

- The certificate on a page has expired.
- The identity of a software manufacturer cannot be verified.

Security information is also displayed when a certificate on your P800 has:

- Expired.
- Been revoked by the independent organisation that issued it.

Adding and removing certificates

Your P800 handles certificates automatically so, most of the time, you can browse the Internet securely without using **Certificate manager**. If you *do* need to add or remove a certificate, you will usually be informed by your network operator or system administrator. You should remove a certificate from **Certificate manager** if you are informed, or suspect, that:

- The certificate does not belong to the person who supplied it.

- The certificate was issued incorrectly by the independent organisation that created it.

Type of certificate

The type can be either **Certificate Authority** or **User**.

- **Certificate Authority** certificates contain server details. This type of certificate is handled by your P800 when the server only requires server authentication. This means that your identity remains anonymous.
- **User** certificates contain your identity. This type of certificate is used when the server asks for client authentication. The client application requests you to identify yourself by choosing a user certificate.

Display

Use the **Display** settings to control the screen and power functions of your P800.

Wallpaper

You can set a picture to be the background for the standby screen. (See “*Flip closed - overview*” on page 22 for details on the standby view.) Select **Browser** from the drop-down list to see picture files available on your P800. Read more about background pictures in “*Personalizing your P800*” on page 121.

Screen saver

You can set a screen saver picture to be displayed after a period of inactivity. You can also turn this facility on and off and select a delay period of up to 15 minutes before the screen saver is displayed. Read more about screensaver images in “*Personalizing your P800*” on page 121.

If you select the **Phone lock protected** check box the Device lock will activate when the delay runs out. Read more about locks and security in “*P800 locks*” on page 33.

Power save

You can set a power saver to switch off the screen after a period of inactivity (2, 3, 5, 7, 10, 15, or 30 minutes). When the power saver activates, the screen will be switched off.

If you set times for both screen saver and power saver, the power saver setting will automatically be set higher.

Light

You can set the screen light settings for car use and handheld use.

- | | |
|-------------|---|
| Auto | Light switches on when you tap the screen, press a key, or receive an incoming call |
| On | Light is always on |
| Off | Light is always off |

Lock

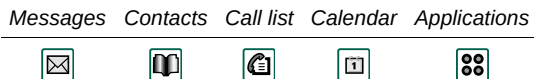
Select **Lock** to activate the screen saver immediately. If the **Phone lock protected** check box has been selected, this will also activate the Device lock.

Calibrate

Occasionally you may find that you tap one item (for example a button or menu option) but another is activated. Calibrating the screen ensures that the correct item is activated. To restore calibration to the factory settings, press the Jog Dial.

Flip closed shortcuts

Use this dialogue to configure the application shortcuts shown in the Flip Closed **Standby** view, see “*Standby view*” on page 23. You can change the five shortcuts shown. If you feel that the shortcuts obscure your background image, you can choose to have them hidden when you do not need them. By default these shortcut icons are displayed:



To change an application shortcut in the Standby view

1. In the **Flip closed shortcuts** dialogue, select the icon you wish to change. The name of the application is shown in the **Set Application** pick list.
2. Choose the application you want to replace it with from the list.

To hide the application shortcuts when your P800 is inactive

3. Clear the **Shortcuts always displayed** check box.

Flip removed

When you use your P800 with the hardware flip removed, you can use the keys on the virtual flip instead. Use this setting to turn it on or off (see “Virtual flip” on page 26).

Format disk

This dialogue primarily lets you rename and format any Sony Memory Stick Duo that you install in your P800. Your P800 comes with one Memory Stick Duo.

When you format a disk, you delete all the information on it, including any applications that you may have installed.

Your P800’s internal ROM drive is also listed in the dialogue, so that you can rename it to give it a more meaningful name if you wish.

Infrared

Use this setting to control the state of the infrared communications port of your P800. You can set it **On**, **Off** or **On for 10 minutes**. Read more about connecting to other devices using infrared in “Connection via infrared port” on page 151.

International

Use these settings to set the locations shown in  **Time**, as well as the units for distances, numerical separators, and how currency values should be shown. There are two tabs: **Locations** and **Numbers**.

On the Locations tab

- Set **Current country** and **Current city** to your current location.
- Set **Other country** and **Other city** to an alternative location (for example your home location if you are abroad).

If the city you want is not listed, select another city in the desired time zone.

On the Numbers tab

- Set **Long Distance** and **Short distance** to **Imperial** or **Metric**.

Long distances are those that are displayed in and are measured in miles or kilometres. Short distances are those that are measured in metres or and centimetres, or feet and inches.

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- Set the decimal separator and thousands separator you desire.
- For applications that use currency values you can set a currency symbol and choose how the symbol should be placed in relation to the symbol.

Internet accounts

You access the Internet using an Internet Service Provider (ISP), who supplies you with account details including: a username, a password, and the phone number or web site address that your P800 automatically uses to access the Internet. You need to set up an Internet account before you can:

- Access web pages and download multimedia messages.
- Set up an e-mail account to send and receive e-mail messages.

Tip A simple way of setting up an Internet account is to ask your service provider to send you a message that contains the required information to create an account automatically on your P800.

There are three types of Internet account:

Dial-Up account:



With a Dial-Up account, you're charged for the length of time that you are connected to the Internet.

High-speed Dial-Up account:



This is a special kind of Dial-Up account. With a High-Speed Dial-Up account, you're charged for the length of time you're connected but you can increase the connection speed so that information is transferred faster. Billing rates from your Internet Service Provider (ISP) may increase as you increase the connection speed.

GPRS account:



With a GPRS account, you're charged for the amount of information you view, download, or send.

The dialogue has two tabs: **Accounts** and **Other**.

Accounts tab

The Internet accounts dialogue lists all the Internet accounts that have been set up on your P800.

You can add a **New** account to the list and **Edit** or **Delete** an existing account.

If you want to select an Internet account every time you connect to the Internet, select the **Show connection** dialogue check box. This may be useful if you use different Internet accounts for



Internet and



Messages.

Whenever you connect to the Internet, your **Preferred** account is the account that your P800 prompts you to use.

To create a new Internet account

1. On the **Accounts** tab, select **New**.
2. Give the account a name. This will be the name shown in your list of accounts. (In dialogs that appear while a connection is being established the text **-GPRS** is automatically added to names of GPRS accounts.)
3. Choose the **Connection type** for the type of account that you want to create, GPRS or Dial-Up.
4. Continue entering settings as required. These will differ depending on the type of account: GPRS, Dial-Up or High-Speed Dial-Up:

New GPRS account

For some accounts you may need to make advanced settings. If advanced settings are required, they must be provided by your ISP. Select **Advanced** and enter settings on the tabs as described below:

GPRS Advanced settings tabs

Server	User name and password
	Normally, you do not have to enter a user name and password when you connect to a GPRS account. However, some service providers may require you to enter these details. If you select the User name and password required check box, but do not enter a user name and password, you will be prompted to enter these when the P800 connects.
	Address Enter the Internet address of your access point. The address is supplied by your service provider.
Log in	The settings on this tab deal with IP and DNS addresses. The DNS address uniquely identifies your Internet Service Provider (ISP)'s computers, which your P800 uses to connect to the Internet. Your P800 can normally fetch these addresses automatically from most ISPs. If, after setting up an Internet account, you cannot connect to the Internet and you suspect these addresses are incorrect, ask your ISP for their primary and secondary DNS addresses.

GPRS Advanced settings tabs

IP address types

There are four different types of IP addresses:

- **IPv4:** Consists of four 3-digit boxes and valid input is between 000 and 256 in each box.
- **IPv6:** Consists of eight hexadecimal boxes and valid input is between 0000 and FFFF.
- **IPv4 compatible:** Consists of six hexadecimal boxes and four 3-digit boxes. The last hexadecimal box is prefilled with 0:0:0:0. Only the four 3-digit boxes can be changed, and the valid input is between 000 and 256.
- **IPv4 mapped:** Consists of six hexadecimal boxes and four 3-digit boxes. The last hexadecimal box is prefilled with F:F:F:F. Only the four 3-digit boxes can be changed, and the valid input is between 000 and 256.

IPv4 is the most common addressing method.

Proxy

A proxy server is a computer connected between your P800 and the computer you communicate with. This arrangement can be used for connections to SyncML servers, or within a company network. If this setting is needed, your company's Information Services department or SyncML provider must give you instructions.

GPRS Advanced settings tabs

Other

If your Internet Service Provider (ISP) supports Point to Point Protocol (PPP) extensions, you can select the **Enable PPP extensions** check box. PPP extensions allow your P800 to provide features such as encryption, which increases the security of your Internet connection.

Your ISP may require plain text authentication. If you select the **Plain text authentication** check box, the security of your connection will decrease during the connection process. Once you are connected, the security of your connection will be restored.

QoS

Check with your mobile operator before changing any of the QoS (Quality of Service) settings.

If your operator supports the use of **Header compression**, selecting **On** can speed up your connection.

The settings **Precedence**, **Delay**, **Reliability**, **Peak rate**, and **Mean Rate** are all by default set to **Subscribed**, which means that your operators default QoS (Quality of Service) values will apply.

New Dial-Up or High-Speed Dial-Up account

Your Internet Service Provider (ISP) supplies you with your **User name**, your **Password**, and their **Phone number**, which your P800 dials to connect to the Internet. If you have a High-Speed Dial-Up account with your ISP you can increase the speed of your connection by making settings under **Advanced** settings on the **Speed** tab.

Tip To avoid having to change the phone number when you travel abroad: enter the international dialling prefix (for example '+') and the appropriate country code for your ISP.

For some accounts you may also need to make advanced settings.

Select **Advanced** and enter settings on the tabs as described below

Dial-Up and High-Speed Dial-Up advanced settings tabs

Log in	The settings on this tab deal with IP and DNS addresses. For an explanation of these settings, see Log in in the table <i>GPRS Advanced settings tabs</i> .
Script	As an alternative to entering your user name and password to access the Internet you may need to use a login script stored on your P800. Although uncommon, scripts may be required by your Internet Service Provider (ISP). Select the Use login script check box and enter the script text in the Script editor. If you select the check box Plain text authentication (required by some ISPs), the security of your connection will decrease during the connection process. Once you are connected, the security of your connection will be restored. Select the check box Post connect terminal if: • The login script of the account that you are setting up requires that you input certain information or you will need to respond to prompts from the Internet account. • You are connecting to a Dial-Up account that uses Secure Access generated by a separate smart card or password generator.
Proxy	For an explanation of these settings, see Proxy in the table <i>GPRS Advanced settings tabs</i> .

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Dial-Up and High-Speed Dial-Up advanced settings tabs

Speed	You can only increase the speed of your connection if you have a High-Speed Dial-Up account with your Internet Service Provider (ISP).
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Dial-Up and High-Speed Dial-Up advanced settings tabs

Secure	To enable secure access for this Internet account you must link it to a vendor-associated Secure Token in this dialogue: 1. Select the Enable secure access check box. To create or delete Secure Tokens on your P800, select Control panel > Connections > Secure tokens. 2. Select the vendor and token names of the Secure Token that you want to link to this account from the drop-down lists.
---------------	--

Other	If your Internet Service Provider (ISP) supports Point to Point Protocol (PPP) extensions, you can select the Enable PPP extensions check box. PPP extensions allow your P800 to provide features such as encryption, which increases the security of your Internet connection. If the computer that you connect to supports call back, it can break the Internet connection after you have logged in and then call your P800 back to re-establish the connection. Call back saves you money and increases security. To enable call back: 1. Select the Use call back check box. 2. In the Call back type list, choose whether you want the ISP to call you back using the phone number stored on the provider's server (Use server number) or another phone number (Use number below).
--------------	---

To Edit an Internet account

1. On the **Accounts** tab, select the account in the list.
2. Select **Edit**.
3. Change your settings as desired.
4. Select **Done**.

Note *If you change the **Connection type**, all account data for that account will be deleted.*

To Delete an account

1. On the **Accounts** tab, select the account in the list.
2. Select **Delete**.
3. Select **Done**.

Other tab

You can use the **Dial-Up timeout** and **GPRS timeout** settings to set up your P800 to disconnect automatically from the Internet, if you're not using it. The connection is broken after the period you specify has lapsed.

Preferred Mode (bearer preference)

Select **GPRS only** if you do not want to be disturbed by incoming phone calls while browsing the web. All incoming voice (and GSM data) calls are rejected.

When you have selected **GSM only**, no GPRS data connection is possible.

If you select **Automatic**, your P800 will let you answer incoming GSM calls while having normal GPRS functionality. A GPRS data connection will be temporarily interrupted by a voice call.

IP security manager

The IP security manager displays stored policies and only one policy can be activated at a time. This is used for secure connections over the Internet, typically to a corporate intranet. If needed, your company IS department will supply the necessary information.

There are two types of passwords needed:

- **IP security password:** is to be set when activating the very first policy, that is, this password is only set once, but it is possible to change it later at any time by tapping the **Password** button.
- **Activation password:** is needed when a policy is activated for the first time and the supplier of the policy gives this.

Language

Use this list of all languages stored on your P800 to change language. The highlighted entry is the language presently in use.

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Tip To conserve storage space only a limited set of languages is loaded on your P800 at delivery. You can use the P800 Change Language utility on the **PC suite for P800** CD to load and delete languages.

Master reset

Use **Master reset** to return your P800 to the state it was in when originally delivered.

Warning! All user data will be deleted and all settings will be in your P800 to the way they were when it was originally delivered.

If you want to keep installed applications clear the **Delete user installed applications** check box.

Messaging accounts

The  **Messages** application can handle many different types of messages, but you must first set up accounts and make settings as described below.

The Messaging accounts dialogue has four tabs, one for each type of messaging account:

- Email** You can have any number of e-mail accounts. To receive and send e-mail, you must first set up an Internet account (if one isn't already set up). See “Internet accounts” on page 130.
- SMS** You can only have one SMS message (Short Message Service) account. These settings also apply to EMS (Extended Message Service) messages.
- MMS** You can only have one MMS message (Multimedia Messaging Service) account. To receive MMS message WAP-based content you must first set up an Internet account (if one isn't already set up). See “Internet accounts” on page 130.
- CBS** You can only have one CBS (Cell Broadcast Services) account. The number of Area Information channels that you can subscribe to is limited by the space on your SIM.

Tip A simple way of setting up an e-mail or multimedia message account is to ask your service provider to send you a message that contains the required information to create an account automatically on your P800.

Read more about the different types of messages in “Messages” on page 59.

Email tab

The **Email** tab shows a list of the e-mail accounts on your P800. You can add a **New** account to the list and **Edit** or **Delete** an existing account.

You can choose one of your e-mail accounts as **Preferred**. This will be the e-mail account that your P800 uses when you use **Send as** to send an entry as e-mail directly from one of your P800 applications

To create a new e-mail account

1. On the **Email** tab, select **New**.
2. On the **Basic** tab, enter the following settings:

E-mail account basic tab settings

Account name	This is the name you give to your e-mail account.
Your name	This name appears on your outgoing e-mail messages.
Email address	Your Internet Service Provider (ISP) supplies you with your e-mail address.
Connection type	Select POP3 or IMAP. POP3 is most common.
Internet account	Select the Internet account to access your e-mail messages.

3. On the **Inbox** tab, enter the following settings, as required:

E-mail account Inbox tab settings

User name	Your Internet Service Provider (ISP) supplies you with your user name, your password, and its
Password	incoming server address, which identifies the
Incoming server address	computer where your incoming e-mail messages are stored.
Download	If you do not have much time to download your e-mail messages, you can choose to receive just Just headers (the sender, subject, and date only) or set a size limit (if a message is larger than the e-mails smaller than limit, only the headers are downloaded). You can download the complete message later.
Schedule	Select Schedule to schedule an automatic download of your incoming e-mail messages. Messages that are waiting in your Outbox will not be sent at the same time.

Preliminary

4. On the **Outbox** tab:

E-mail account Outbox tab settings

Outgoing server address	Your Internet Service Provider (ISP) supplies you with its Outgoing server address, which identifies the computer through which your outgoing e-mail messages are sent.
Use SMTP authentication	Some SMTP servers might require authentication also when sending e-mail. In that case, select the check box Use SMTP authentication and enter your User name and Password .
Use Inbox login details	If the SMTP server accepts using your Inbox login information for authentication, select the check box Use Inbox login details .

5. On the **Advanced** tab:

E-mail account Advanced tab settings

Secure connection	Your Internet Service Provider (ISP) will tell you whether you can use either a Secure connection or Secure password authentication .
Secure password authentication	A secure connection means that all information (including your username, password, and all messages) is encrypted to maximize security while you're connected to the Internet. In contrast, secure password authentication means that only your password is encrypted.
Outgoing mail port	Normally 25. Do not change unless your ISP instructs you to.

E-mail account Advanced tab settings

Incoming mail port	Normally 110. Do not change unless your ISP instructs you to.
Use MIME encoding	MIME encoding is a standard that allows non-textual information (for example graphics) and accented characters to be sent in e-mail messages. If you should not wish to Use MIME encoding , clear the check box.

To edit an e-mail account

1. On the **Email** tab, select the account in the list.
2. Select **Edit**.
3. Change your settings as desired.
4. Select **Done**.

To delete an e-mail account

1. On the **Email** tab, select the account in the list.
2. Select **Delete**.
3. Select **Done**.

SMS tab

Use these settings to set up text message and EMS messaging:

Messaging accounts SMS tab settings

Service centre address	The Service centre address is the phone number where your text messages are stored. It is normally imported from the SIM card but if that fails, your network operator can provide you with the service centre address.
Character Set.	Your network operator may also specify the Character Set .
Messages stored for	You can set a time limit after which text messages are deleted from the network by choosing a value in the Messages stored for list.
Extended messaging	Clear the check box Extended messaging when you do not want to use EMS message functions when composing your messages.
Smilies	Clear the check box Smilies if you want to use only plain text smilies.

Tip If you send and receive text messages in several countries, you can avoid having to change the service centre address when you travel abroad by entering the international dialling prefix (for example '+') and the appropriate country code for your network operator.

You can set the **Connection type** to one of the bearer types in the list.

MMS tab

Use these settings to set up multimedia messaging:

Messaging accounts MMS tab settings

Service centre address	The Service centre address is URI to the server on which your multimedia messages are stored. Your MMS service provider or your network operator can provide you with the service centre address.
WAP Accounts.	Specify which of your configured WAP accounts you wish to use. WAP accounts are created in Control panel > General (tab) > WAP Accounts
Download method	Select between Manual or Auto: Manual - only a notification will be sent to your P800 and you can decide whether or not to download the full message. Auto - the full message is downloaded directly to your P800
Download size and Less than	Set whether or not to have a size limit for incoming messages: No restrictions - the size of the incoming messages doesn't matter, all messages will be received. Less than - messages smaller than the limit will be received, bigger messages will be deflected.

Advanced settings

Select **Advanced** to make settings about how your P800 will send and receive multimedia messages.

MMS Advanced settings tabs

Send The values you give these settings will be default for all multimedia messages that you send. You can of course choose other values for an individual message in Messages.

You can set the **Validity period** for your messages, that is, how long they should be available to the receiver.

Maximum is the default.

You can give your messages a **Priority level** of **Low**, **Normal** (default) or **High**.

You can set a level of **Conformance** for the multimedia messages that you send to make sure that they will be played back correctly on different products.

You can choose one of these levels:

- Standard - a warning message is displayed whenever you add non-conformant item to a multimedia message. You have the option to send anyway.
- None - non-conformant messages are sent.

Select the check boxes to provide the function you want:

Hide number prevents the sent message from showing your number.

Read report requests a read notification from receivers of your messages.

Delivery report requests a delivery notification from receivers of your messages.

Reply with history includes the original with your reply.

MMS Advanced Settings tabs

Receive These settings apply to multimedia messages that you receive.

Select the check boxes to send a notification message to the sender when a message is:

- Delivered to you: **Allow delivery notification**
- Read by you: **Allow read notification**

You can filter reception of incoming messages by message class (**Advertisements**, **Personal**, **Automatic**, **Information**) as well messages from senders listed in Contacts. Selecting a check box will filter out messages of that category.

To receive multimedia messages only from senders listed in your Contacts, select all other check boxes and clear the check box for **Contacts**.

CBS tab

On the CBS tab you make settings related to CBS (Cell Broadcast Services). CBS services include Area Information and Cell Information. The availability of Cell Broadcast Services (Cell and Area Information) is operator dependent.

Cell information may be used to display the area code below the network name in the flip closed standby view.

Area Information is a type of text message that is sent to all subscribers in a certain network area, for example a local traffic report.

To enable Cell Information

- Select the Cell Information check box

To turn Area Information on

- Check the **Area Information** check box. Received messages will be displayed and automatically stored in the **Area Info Inbox** when dismissed.

The list shows all the channels that you have defined on your P800. The check box for each channel shows if it is on (checked, ready to receive messages) or off (cleared, not active):

To add a new channel

1. Select **New**.
2. Enter the number of the new channel in the New Channel dialogue. Channel numbers can be from 0 to 999. If there are too many channels defined, **New** will be disabled and you will see a message: **Maximum channels on SIM**. Channel numbering is operator dependent. Please consult your network operator for information.

To turn a channel on or off

- Select the channel in the list and check the check box. To turn it off, clear the check box.

To delete a channel

- Select **Delete**. Since deleting a channel cannot be undone, you will be asked to confirm the delete. Deleting the channel will also delete any stored Area Information messages for that channel in your Area Info Inbox.

Alerts

Your P800 can notify you when a new message arrives with a different sound for each type of message that it can receive.

To set up notification, select **Alert**.

If you check the **Display notification message** check box, you will also see a notification message.

For each type of message you can either

- Select the **Default Melody**, or
- Select **Find Melody** to open the **Select audio** dialogue, where you can browse through your folders to pick a melody from those stored on your P800.

Secure tokens

Your P800 supports secure access systems from a number of vendors. You manage secure access by using Secure Tokens. Read more about secure access in “Secure access” on page 164.

Preliminary

Each token is associated with one system and with one Internet account, or none, when you use your P800 as a Hard Token (password generator). You can configure as many tokens as needed.

The **Secure tokens** dialogue shows a list of secure access providers. Secure tokens relating to the provider's name are listed under the name in an open tree structure.

Select **Control panel > Connections > Secure tokens** to:

- **Edit**, **Delete**, or **Create** a new token, or
- **Generate** a password.

These options are only displayed as available when a Secure token is highlighted, and greyed out when the vendor's name is highlighted. The sequence of the dialogs they generate will be vendor specific.

A token is associated with an Internet account through the Internet settings for the account. See “*Internet accounts*” on page 130.

Many dialogue details when using secure access are vendor, system and network specific. You should contact the administrator of the network you wish to access to get the correct information.

Storage manager

This dialogue helps you do housekeeping with the storage space on your P800.

The list shows the applications on your P800 and the space they occupy.

Removing information from applications

To remove information from an application: select an application in the list. This application is then displayed. Remove the old or unwanted entries or information.

Here are some housekeeping tips for different applications:

- Remove any unwanted recordings as even short ones occupy a lot of space.
- In  **Messages**, remove any old messages from your Inbox or Sent folders.
- In  **Tasks**, remove all completed entries by selecting **Tasks > Delete completed** in your list of entries.
- In  **Calendar**, remove all entries in a specified time period by selecting **Calendar > Remove entries** in your list of entries.
- Throughout your P800, use folders as you create and receive information to speed up housekeeping later.

Removing unwanted general files

Select **Files** to see a list of all stored general file types on your P800. You can remove unwanted files and launch a viewer for each file.

Uninstalling applications

If you uninstall an application, you will have to reinstall the application if you want to use it later.

To uninstall an entire application, select **Uninstall**.

Note *You cannot uninstall the applications that came with your P800.*

System sounds

To set the sounds given when you press a key on the keypad or tap the screen in your P800 select **System sounds**.

You can choose between the following sounds:

Keypad	Tone, Click or Silent
Touch screen	Click or Silent

Text input

There are several standard ways of entering text in your P800. See “*Entering text - Flip open*” on page 29 and “*Entering text in flip closed mode*” on page 25.

Use the settings on the **Primary**, **Alternative** and **Flip Closed** tabs to set methods for entering text in your P800.

Primary The method that you select here is activated automatically when you need to enter text into your P800.

Alternative The method that you select here is activated if you tap  at the bottom of the screen.

If you load other text input software, select it and adjust its settings here.

Time & date

Adjusting the time and date here sets these throughout your P800.

The dialogue has three tabs. You can set:

Time & date	The current time and date. Here you can also turn Summertime (daylight saving time) on or off for your location.
Format	Specify how you want the time and date to be displayed on the screen.
Workdays	Specify the days in your working week

Note *These settings are also available in the  Time application.*

Time & date tab

To set the current date

1. On the **Time & date** tab, select the date. A calendar view opens. Tap the arrows to set the current year and month.
2. Select the current date.

To set the current time

1. On the **Time & date** tab, select the time. Select the upper half of the hour or minute box to increase the number displayed, or the lower half to decrease the number.
 2. Select the **am/pm** box > .
- This is only possible if you use the 12-hour time format.

If the locations you have set under  **Control panel** > **International** are in a country that currently has summer time (Daylight Saving Time), you can adjust the time and date.

To turn daylight savings time on

1. On the **Time & date** tab, select **Daylight saving**, select the check boxes for the zones that currently have daylight savings time.
2. Select **Done**.

Format tab

You can specify how you want the time and date to be displayed on the screen, and if you want to use the 12-hour (am/pm) or 24-hour time format.

To set the time and date display format

1. Select **Date format** and choose a format.
2. Select **Date separator** > choose a separator.
3. Select a **Time format**.
4. Select **Time separator** choose a separator.
5. Select **Done**.

Workdays tab

You can specify what days you work, if, for example, you want to set an alarm that sounds only on workdays. You can also specify the first day of your week to customize the display of both Week and Month views in Calendar.

To specify your workdays

1. Select the check boxes next to the days you normally work.
2. Select **First day of week** and choose a day.

User greeting

Your P800 can show a user greeting on the standby screen when you turn it on. Use this dialogue to turn this function on or off. You can define your own user greeting text (up to 32 characters).

WAP accounts

Use these settings to set up and manage WAP accounts (sometimes called WAP profiles) on your P800.

WAP accounts are intended for multimedia message and for accessing the Internet through a WAP gateway. (Such gateways make use of proxy port 9200-9203.) All other proxy settings should be included in your Internet accounts!

For security reasons, some WAP pages and services, for example online banking, can only be accessed from a particular WAP account.

The dialogue has two tabs: **Basic** and **Preferred**.

Basic tab

The dialogue shows a list of all the WAP accounts on your P800. You can add a **New** account to the list and **Edit** or **Delete** an existing account.

Note *You access WAP pages through an Internet Service Provider (ISP) so, when you create a WAP account, you must choose one of your existing Internet accounts or first create a new one.*

To create a new WAP account:

1. Enter the name of the WAP account.
2. Select the Internet account you want to use.

3. If you are going to use a WAP gateway or a proxy, select the **Use proxy** check box.
 4. Enter the **IP Address** of the gateway or proxy
 5. Enter the **Port address** of the gateway or proxy.
For a WAP gateway use:
 - 9201 for a normal connection
 - 9203 for an encrypted secure connection.
- If the gateway/proxy requires **User name** and **Password**, which is very unusual, fill in the last two fields in the dialogue.

Preferred tab

Select the check box to set a preferred WAP account. It will be used when you use the **Open page** command in the  **Internet** application and when a page is opened from another P800 application.

If you do not set a preferred WAP account, the preferred Internet account will be used when connecting to the Internet.

WIM management

WIM (WAP Identity Module) is used for performing security functions, especially to store and process information needed for user identification and authentication. It is a tamper-resistant store for private keys, certificates and other items that may require a PIN for access or modification.

Preliminary

The **WIM management** dialogue consists of PIN choice list and a WIM items list.

You can select a PIN from the PIN choice list. The WIM items list changes content dynamically, displaying only the keys that are protected by the selected PIN and also have an associated certificate. Other keys that are protected by the selected PIN but do not have an associated certificate are not shown in the WIM item list. This is the case when WIM PIN (PIN-G) is selected.

Note *This is the PIN to access the WIM. The PIN-G applies to the whole WIM and any items that do not have a different PIN, that is, no specific items on the WIM are linked to PIN-G.*

You can change status of a PIN:

- **Enable PIN:** A PIN code that is enabled is requested for authorisation of an operation. To proceed with the operation you must enter the PIN code.
- **Disable PIN:** A PIN code that is disabled is not requested to authorize an operation to proceed.

To change the PIN code:

1. Select the PIN you want to change from the choice list.
2. Select **Change PIN**.

If a PIN code has been blocked, you must unblock it before it can be used again. Select the PIN and select **Change PIN**.

Installing applications

It is possible to install new applications in your P800 either from the PC or directly from the P800. These applications can be obtained in several ways, for example:

- from the Internet
- from a CD
- from a Memory Stick
- as an e-mail attachment.

Applications can also be downloaded directly to your P800 from other devices, the Internet or via e-mail.

There are two types of installation files for applications:

- SIS (Symbian Standard Installation)
- MIDP JAR (Mobile Information Device Profile Java Archive)

Note *SIS and JAR files are installation packages containing several files.*

This chapter also applies to other types of software to install, for example, system components and add-ons.

PC Suite for P800

The PC Suite for P800 CD delivered with your P800 contains a set of useful applications to install applications and manage your P800:

- **Backup and Restore** – Make safety copies of your data.
- **File Manager** – Transfer files (images, documents, music, and so on) between your P800 and PC.
- **Change Language** – Change the system language in the P800.
- **Download Station** – Install applications in the P800.
- **Smartphone Monitor** – Monitors the connection, runs automatically.
- **Sync Station** – Synchronizes data in your PC and P800.
- **Phone Book Manager** – Edit SIM card from your PC.

Refer to the online help for each specific application.

Installation

When inserting the CD in the PC, a start menu is automatically shown. Select language and then start the PC Suite for P800 Setup. Follow the instructions in the installation wizard.

By default the PC Suite for P800 is accessed from **Start menu > Programs > Sony Ericsson > P800**.

Preliminary

The Setup application also can be used later to add or delete components.

Installing applications

Installation file security

Installation files in SIS format are typically used for installation of C++ or PersonalJava applications or other content into the P800 file system. The vendor who prepared the SIS file decides where in the file system the various content of the SIS file will be installed. This means that you need to decide if you trust that the SIS file does not contain harmful content. If you know for sure who produced the SIS file then you can take an installation decision based on what you know about that vendor. Your P800 supports cryptographic verification of vendor identity.

During installation the P800 verifies a digital signature and certificate in the SIS file against a root certificate on the phone. Successful verification means that you can trust who produced the SIS file and that the content has not been modified after it was created. If the SIS file does not contain a digital signature you will be given a warning about the problem but you can still decide to proceed with installation at own risk. In general it is recommended that you install only from SIS files where the vendor identity and file integrity can be verified.

MIDP applications run in a protected environment with no access to sensitive information so no signatures are required for MIDP JAR files.

From a PC

PC Suite for P800 must be installed in your PC and the P800 must be connected to the PC via cable, IR or Bluetooth wireless technology in order to install applications from your PC.

Installing applications from your PC

1. Connect your P800 to the PC via cable, infrared or Bluetooth wireless technology. When connected, an icon is shown in the taskbar on the PC.
2. Start the PC software **P800 Download Station** and select the application (.sis or .jar file) to install. It is also possible to double-click a file in file manager and make the P800 Download Station start automatically.
3. Confirm to install the application in the P800.
4. Select target drive (phone memory or Memory Stick). Download to the P800 begins.
5. Installation starts when download is complete.
6. Installation is complete.

From the P800

Program packages can also be downloaded to your P800 from the Internet or from a Memory Stick. When downloading a file from the Internet, the installation will start automatically when the file is completely downloaded to your P800. The procedure below describes installation of application packages already in the P800 but not yet installed.

Installing applications in the P800

1. Select  > **Applications** > **Install**.
2. Select software in the list.
3. Select **Install**. If the software is certified, an information dialog will be shown with the name of the software, version and supplier. Select **Install** again.
4. Now, depending on the software, you may be prompted to replace a previous installation, select language, memory location and select other installation options.
5. Installation is complete. Select **Done**.

Removing applications in your P800

It is sometimes necessary to remove installed applications and user data to free up memory.

Removing applications in the P800

1. Select  > **Applications** > **Uninstall** and then select software to remove.
2. Confirm selection.
3. Select **Done**.

Note If you delete an application from your P800, any copy on your PC (including backups) will be deleted the next time you synchronize with your PC.

Tip See also **Master Reset** and **Storage Manager** in **Control Panel** for more options regarding removal of applications and user data.

Connecting to other devices

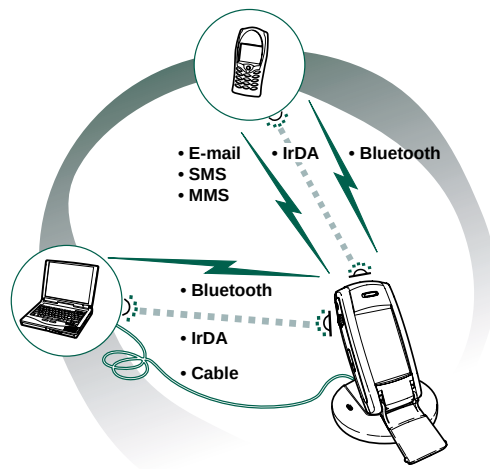
Your P800 can be connected to other devices with similar interfaces, such as PCs, other P800s and PDAs.

The connection can be made via:

- Cable
- Infrared (IrDA)
- Bluetooth wireless technology

Once it has been connected, you can perform various tasks, depending on what type of connection you have chosen, such as:

- Using a cordless headset (Bluetooth wireless technology)
- Sending and receiving files via (infrared, Bluetooth wireless technology) – ‘beaming’
- Making Backup/Restore and Synchronisation of your data and file transfer. (Cable, infrared and Bluetooth wireless technology)
- Using the P800 as a modem for Dial-Up Networking. (Cable, infrared and Bluetooth wireless technology)



PC connectivity software

Your P800 is delivered with a CD, *PC Suite for P800*. This software must be installed in the PC you want to connect to. See the chapter “*Installing applications*” on page 148 for more information. You do not need to install the *PC Suite for P800* if you only want to perform beaming with the PC or use a cordless headset.

Connection via cable

Put your P800 in the desk stand and connect the cable to an empty USB port on the PC. When connecting via cable, the P800 must be set in PC connect mode or Modem mode, see table below. The setting is made in **Control panel > Connections > Cable**.

PC connect mode	Modem mode
• Synchronization • Installation of software • Backup and restore	• P800 as a modem • Phone Book Manager (PC software)

Serial settings

The default settings for normal use:

Baud rate:	460800
Parity:	None
Stop bits:	1

Character length:	8
Flow control:	CTS/RTS

Connection via infrared port

When connecting via the infrared port, make sure that both devices are placed within one metre from each other and that the infrared ports have a free line of sight between them. The infrared port on your P800 is located on the left-hand side, next to the On/Off button.

Activating the infrared port

The infrared port must be activated before communication can begin. Go to **Control panel > Connections > Infrared port** and set the port state to **On** or **On for 10 minutes**. See the chapter “*Control panel*” on page 124 for more information on infrared settings.

Connection via Bluetooth wireless technology

You can connect your P800 to other products equipped with Bluetooth wireless technology, for example PCs or other mobile phones, and exchange data. Since Bluetooth wireless technology is radio-based, transmitting and receiving devices do not have to be in a free line of sight. This means that your P800 can stay in your pocket while communicating. However, objects between transmitting and receiving units might weaken the signal.

Preliminary

Connection to another device can be made within a range of up to 10 metres. For all tasks, except beaming, it is necessary that you first set up a permanent and trusted relationship between your P800 and the other device. This process is called pairing (other documentation refer to it as bonding). The paired devices are remembered by your P800 also after you have turned it off so you do not need to repeat the process for every connection with those devices. The reason for pairing is to simplify future connections and to make them secure – only paired devices can connect to your P800.

Activating Bluetooth wireless technology

Activate Bluetooth wireless technology on your P800 in **Control panel > Connections > Bluetooth > Settings**. Set **Operation mode** to **Auto**, **On** or **Discoverable** and set **Receiving items to Ask first** or **Always receive**. See the chapter “Control panel” on page 124 for more information on Bluetooth wireless technology settings.

Pairing

To let your P800 initiate pairing with another device

1. In **Control panel > Connections > Bluetooth > Settings**, set **Operation mode** to **Discoverable**.
2. In **Control panel > Connections > Bluetooth > Add**. Your P800 searches for all devices in the vicinity and lists them.

3. Select the device you want your P800 to pair with and, enter a passkey when asked for it. When the passkey is accepted, the pairing process is complete, refer to the section *Passkeys* below.
4. If you in the future want to allow a paired device to connect to your P800 without you explicitly approving each connection you should select **Control panel > Connections > Bluetooth > Devices**, then select a device and the check box **Allow to connect without confirmation**.

To let another device initiate pairing with your P800

1. In **Control panel > Connections > Bluetooth > Settings**, set **Operation mode** to **Discoverable**.
2. Follow the other device's manual to initiate pairing.
3. When asked for a passkey, enter the same on both devices.
4. If you in the future want to allow a paired device to connect to your P800 without you explicitly approving each connection you should select **Control panel > Connections > Bluetooth > Devices** select a device and the check box **Allow to connect without confirmation**.

To remove a paired device from your P800

Select a device in the list and select **Remove**.

Passkeys

Passkeys ensure that the device you pair with really is the device you think it is. A passkey is a set of numbers and/or letters (at least four characters) that you agree to exchange with the owner of the other device. Accessories like headsets often have a default passkey, usually ‘0000’, see the specific user’s guide.

Transfer items with Send As

From many applications it is possible to transfer (and receive) items like appointments, contacts and images to other users. The transfer starts by entering the **Send as** menu in the specific application.

Depending on the application and item you can choose between the following transfer methods:

- Infrared
- Bluetooth wireless technology
- Text message
- Multimedia message
- E-mail

Note *To be able to send or receive an item over infrared or Bluetooth wireless technology, these functions must be activated. See “Connection via infrared port” on page 151 and “Activating Bluetooth wireless technology” on page 152.*

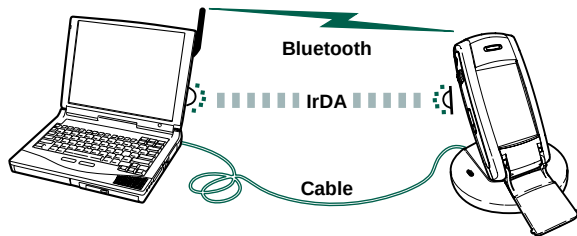
Synchronization and backup

With PC Suite for P800 installed in your PC, your P800 can synchronize with the following PC applications, also called Personal Information Managers (PIMs):

- Lotus® Organizer® 5 & 6
- Lotus® Notes® 4.6, 5.0
- Microsoft® Outlook® 98, 2000, 2002

Synchronization is divided into local and remote. Local synchronization is performed directly to a connected PC while remote synchronization is done over the air with a remote server in, for example, a corporate network.

Local synchronization



Local synchronization is done with either cable, infrared or Bluetooth wireless technology, the functionality is the same.

The following items can be synchronized locally:

- E-mail
- Contacts
- Calendar
- Tasks
- Jotter notes

Configuration of PC software

Local synchronization is initiated from the PC and all settings are made in the P800 SyncStation PC software (included on the PC Suite for P800 CD). The easiest way is to configure the PC software to automatically make a synchronization every time your P800 is connected. An icon, Smartphone Monitor, is shown on the PC taskbar when connected.

In the PC go to **Start menu > Programs > Sony Ericsson > P800 > SyncStation** and select the items to synchronize and select manual or automatic method. Refer to the online help in P800 SyncStation PC software for more information.

Performing a local synchronization

Making an automatic synchronization

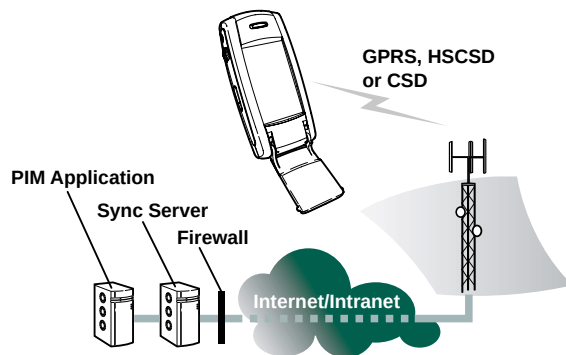
1. Connect your P800 via cable, infrared or Bluetooth wireless technology.
2. Synchronization starts automatically.

Making a manual synchronization

1. Connect your P800 via cable, infrared or Bluetooth wireless technology.
2. In the PC, go to **Start menu > Programs > Sony Ericsson > P800 > SyncStation** and start the synchronization. Alternatively, right click on the SyncStation Monitor and select **Synchronize**.

Remote synchronization

Remote synchronization takes place over the air and is the ideal way to keep the P800 up-to-date while on the move. Using GPRS, the P800 can be continuously connected to the remote synchronization server.



Synchronization services may be offered by mobile operators, third-party service providers and as added capability to corporate PIM applications.

The following items can be synchronized remotely:

- Contacts
- Calendar
- Tasks

Remote sync server configuration

Enter  **Remote Sync** in *Applications*, select **Edit > Settings** and fill in the following parameters:

- Server address
- User name
- Password

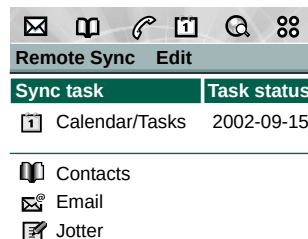
You might also need to fill in whether to use *transport login* under the **Protocol** tab. Contact your corporate IT help desk or your service provider for information on these parameters.

You also need to have at least one configured Internet account that remote sync can use to connect, see “*Internet accounts*” on page 130.

Remote sync task configuration

Selecting items to synchronize

1. In Remote Sync, select one item in the list you want to be synchronized.
 2. Select the **Enable task** check box.
 3. Fill in the **Task name** or leave default.
 4. Fill in the **Server database** (Contact your corporate IT help desk or your service provider).
 5. The item you selected to be synchronized is now above the divider in the list. (Disabled items are below the divider.)
- Repeat for other items.



Making a remote synchronization

- Open *Applications > Remote Sync*, select the **Sync** button.

When ready, the **Task status** column shows today's date for all successfully synchronized items.

Backing up data

You can use the **P800 Backup and Restore** PC software to back up the contents stored in your P800 to your computer. Keeping backups of your P800 contents on your computer means that you have a separate copy of the contents of the P800, which can be restored into the P800. Backups should be made on a regular basis. A backup reminder can be set.

See the online help for **P800 Backup and Restore** for more information on how to use the application.

Preconditions

The PC Suite for P800 must be installed in the PC and the P800 must be connected to the PC via cable.

Note *Backup and restore does not work via IR or Bluetooth wireless technology.*

Performing a backup

To make a backup

1. Connect your P800 to the PC via cable.
2. In the PC, go to **Start > Programs > Sony Ericsson > P800 > Backup and Restore**.
3. Select P800; several can be registered.
4. Start **Backup** and select media: P800 and/or Memory Stick. Backup begins, the progress is shown in the P800.

5. Follow the instructions in the P800.
6. Backup is complete.

Restoring data

If you have lost data or accidentally deleted information in your P800 you can restore an earlier backup. A backup from a certain memory type (phone memory or Memory Stick) can only be restored to the same type.

To restore a backup

1. Connect your P800 to the PC via cable.
2. Go to **Start menu > Programs > Sony Ericsson > P800 > P800 Backup and Restore** in the PC.
3. Select P800; several can be registered.
4. Select one of the backups in the list of previously saved backups and click **Restore**.
Restore begins, the progress is shown in the P800.
5. Follow the instructions in the P800.
6. Restore is complete.

Warning! *Everything in your P800 will be overwritten by the chosen backup. Once you have clicked Yes to start the restore, you cannot cancel the procedure.*

Preliminary

Note *If you have used your Secure Tokens (Secure Access files) since you made your backup, you must reconfigure these. If you restore another P800, you must reconfigure your Secure Tokens.*

Getting started with Internet and Messages

Introduction

Before you can use  **Internet** and  **Messages** to access the Internet and send or receive messages you will need to make some user-specific settings in the  **Control Panel**.

Service provider

You will need a service provider to connect your P800 to the network. The service provider could be:

- An Internet service provider (ISP) which connects you to the Internet.
- An access point provided by your network operator.
- A private service provider such as your company or your bank.

You will need to enter specific service provider details into your P800 to set up an Internet account. It can hold the details of multiple service providers, for example, you may have separate Internet and corporate accounts.

Your network operator or retailer may have pre-installed services, check with them.

Connection type

When your P800 connects to a service provider, it will use a GSM or GPRS network provided by a network operator. Many network operators offer both GPRS and GSM services.

The connection type defines which network your account uses to connect to the Internet. GPRS Internet accounts use the GPRS network, and Dial-Up Internet accounts use the GSM network.

GPRS

If your network operator supports GPRS, a GPRS Internet account allows you to:

- Remain permanently connected to the Internet without being charged for connection time. With a GPRS account, you are charged for the amount of information you view, download or send when you are connected to the Internet. Check your operator for details of your subscription.
- Avoid having to reconnect to the Internet if the connection is broken.

Dial-Up

For both Dial-Up and High-Speed Dial-Up accounts, you are charged for the length of time you are connected. If your network operator supports them, you can increase your connection speed (at a cost) by setting up a high-speed account.

Automatically set up service provider and messaging

The easiest way to set up your P800 is automatically, through your service provider.

For  **Messages** settings your P800 supports automatic setup of:

- e-mail accounts
- MMS message (Multimedia Messaging Service) settings.

Check your service provider's website for information or contact their support desk and ask about automatic remote configuration of ISP (Internet Service Provider) settings, e-mail and MMS message settings.

If remote configuration is possible, they will send you the auto configuration messages required by SMS message.

Settings valid for your network operator and one or more of these services may also be available through the phone configurator utility at www.sonyericsson.com

To check that your SMS messaging settings are correct:

- Select  **Control panel > Connections > Messaging accounts > SMS.**

Accepting new Internet or Messages settings

New configuration messages will appear in the **Auto setup** account inbox of  **Messages**. (Configuration messages for e-mail accounts will, however, be found in your **SMS message** inbox.)

When an auto setup message appears, select it.

A dialogue with a brief text and operator message appears on the screen. You can accept the new settings or leave the message in the inbox.

If the name of the new account is the same as that of an existing account you can choose to create a new account with the same name or replace the existing account.

Warning! *Never accept remote configuration messages if you are not expecting them or are unsure where they have come from.*

Manually set up service provider

Alternatively to setting up an Internet account automatically, you can enter the settings manually from **Internet accounts** on the **Connections** tab of the  **Control panel**.

First collect all the information you will need. You can obtain this information from your ISP (Internet Service Provider), or if you are connecting to a corporate network, your IT Manager.

All settings are described in “Internet accounts” on page 130.

To set up a new account follow the steps under “To create a new Internet account” on page 131.

Manually set up Messages

Alternatively to setting up **Messages** automatically, you can enter the settings for the messaging services you want to use yourself from **Messaging accounts** on the **Connections** tab of the  **Control panel**.

First collect all the information you will need. You can obtain this information from the following sources:

- If your mobile operator offers an e-mail service you can get the necessary details from them.
- Your Internet service provider.
- Your IT Manager in the case of connecting to the corporate network to access your work e-mail account.
- Your network operator in the case of SMS message and CBS services.

The dialogue has four tabs, one for each type of messaging service:

e-mail	The provider of your e-mail service, or for a corporate account, your IT Manager can provide you with the necessary details. All settings are described in “Email tab” on page 137. To set up a new account follow the steps under “To create a new e-mail account” on page 137.
SMS message	Short Message Service The necessary settings are usually provided on your SIM card. All settings are described in “SMS tab” on page 139.
MMS message	Multimedia Messaging Service Your MMS messaging provider will be able to provide you with the necessary information. Before you set up MMS messaging you need to set up an Internet account in Control panel > Internet accounts and a WAP account in Control panel > WAP Accounts All settings are described in “MMS tab” on page 139.
CBS	Cell Broadcast Service: Area and Cell information Your network operator will be able to inform you if these services are available. All settings are described in “CBS tab” on page 140.

Setting up WAP accounts

A WAP account defines a service provider and gateway that should be used when making a connection to WAP services. You also need a WAP account when you use MMS message (Multimedia Messaging Service).

The WAP gateway sits between your P800 and the WAP site coding and decoding information. You can set up details of more than one gateway if necessary, for example one for your MMS messaging, one to access corporate data over WAP, and another to access your bank's WAP service.

The easiest way to set up a WAP account on your P800 is automatically, through your service provider. Check your service provider's website for information or contact their support desk and ask about automatic setup.

Note You access WAP pages through an Internet Service Provider (ISP) so, when you create a WAP account, you must choose one of your existing Internet accounts or first create a new one.

Manually set up a WAP account

Alternatively to setting up a WAP account automatically, you can enter the settings manually from **WAP Accounts** on the **Connections** tab of the  **Control panel**.

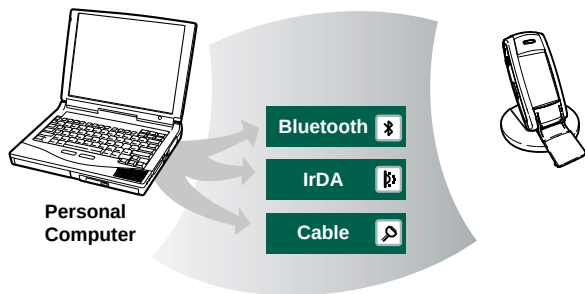
First collect all the information you will need. You can obtain this information from the WAP service provider, or if you are connecting to a corporate network, your IT Manager.

All settings are described in “*WAP accounts*” on page 145.

To set up a new account follow the steps under “*To create a new WAP account:*” on page 145.

Using your P800 as a modem

Your P800 contains a complete GSM/GPRS modem, so you can use it to connect your PC to the Internet or corporate intranet. Your P800 appears to the laptop like a normal modem.



You link the laptop to your P800 using  Bluetooth wireless technology  infrared, or  cable (USB or serial). The connection over the air can be by any of the bearers that your P800 supports:

- GPRS
- HSCSD (High-speed Circuit Switched Data)
- CSD (Circuit Switched Data).

A Windows® modem driver file and a PC utility, the **Dial-Up Networking Wizard** is provided on your **PC suite for P800** CD. The wizard will help you configure DUN (Dial-Up Networking) entries on your PC for GPRS and HSCSD connections.

Once paired with a Bluetooth-enabled laptop, your P800 is ready to make a connection to the Internet or corporate network. Because Bluetooth is wire-free and requires no line-of-sight alignment, you can place the laptop in a comfortable position and let your P800 remain in your pocket, briefcase, or even be placed up to 10 metres away.

If you wish to use an infrared link, the range is typically up to 1 metre. The two infrared 'eyes' must be kept in line of sight, at an angle of no more than approximately 30 degrees.

The Dial-Up Networking Wizard

The wizard simplifies creating GPRS DUN connections by setting the proper values in the PC DUN entry and linking the entry to one of the GPRS configurations in your P800. You can also view and modify the GPRS settings in the P800.

For HSCSD DUN entries, it updates the modem settings such that the specified data rate and type of bearer (ISDN / Analogue) will be used when you make a DUN connection.

You can view or change the DUN entries created with the wizard using the standard Windows® DUN user interface.

The Dial-Up Networking Wizard software included in the **PC suite for P800** must be installed in your PC and your P800 must be connected to the PC via cable, infrared or Bluetooth wireless technology.

You should have any information concerning, for example, phone numbers, names of servers or domains, that the server that you want to connect to may require.

To set up a GPRS or HSCSD (High-Speed Circuit Switched Data) connection using the Dial-Up Networking Wizard

1. Start the **Dial-Up Networking Wizard** from the Sony Ericsson folder of the Start menu on your PC.
2. Choose Create a new Dial-Up connection.
3. Follow the instructions in the Wizard.

To edit a previously created DUN entry

1. Start the **Dial-Up Networking Wizard** from the Sony Ericsson folder of the Start menu on your PC.
2. Modify a Dial-Up connection.
3. Select the desired connection from the list.
4. Follow the instructions in the Wizard.

CSD connections

To set up a CSD (GSM Data) connection you will need to install your P800 as a modem manually.

To set up a Dial-Up entry for CSD

1. On the PC, open the Control Panel.
2. Choose to install a new modem.
3. Choose your P800 as the modem.
4. Select the port where the P800 is connected.
5. Confirm the selection. A new DUN connection has been created.

Connecting

To connect using a DUN entry created by the wizard

1. If you are connecting by cable, set your P800 to **Modem** cable connection mode.

2. Use any conventional method to make a connection:
 - Click the Desktop short-cut created by the wizard.
 - Select the entry from within the system DUN folder.
 - Run an application that has built-in support for using DUN entries (for example a browser or e-mail client).

Secure access

If you need access to a network that requires secure access (often known as “strong authentication”), for example a corporate intranet, you can set up the Internet account you use to log in to that network to use secure access and generate the required one-time password when you make the connection.

Your P800 supports the following secure access systems:

- SecureID from RSA
- DigiPass from Vasco
- SafeWord from Security Computing

If you have a separate device or application that requires one-time passwords according to one of these systems, you do not need a separate hardware token generator (Hard Token). Your P800 can generate passwords that are not associated with an Internet account.

You manage secure access in your P800 using Secure Tokens:

Each token is associated with one vendor/system and may be associated with one or more Internet accounts (or none, when you use your P800 as a Hard Token). You can configure as many tokens as needed.

To edit, delete, create a new token, or generate a one time password, tap: **Control panel > Connections > Secure tokens**.

Note You should have the flip open when generating a one time password.

Internet account settings

A token is associated with an Internet account through the Internet settings for the account:

To set up a Dial-Up (CSD or High-Speed CSD) account for Secure access

1. Tap **Control panel > Connections > Internet Accounts**.
2. Create a **New** or **Edit** an existing  Dial-Up account.
3. Tap **Advanced**.
4. On the **Secure** tab for the account select the **Enable secure access** check box.
5. Select the appropriate **Vendor** and **Token**.

To set up a GPRS account for Secure access

1. Tap **Control panel > Connections > Internet Accounts**.
2. Create a **New** or **Edit** an existing  GPRS account.

3. Tap **Advanced**
4. On the **Server** tab for the account select the **User name and password required** check box.
5. Enter your **User name** if desired. If you leave it empty, you will be asked to fill it in at connection time.
6. Leave the **Password** box empty.

Connecting to an Internet account

For Dial-Up accounts there are two possible ways to connect to a secure access account, depending on if the login procedure uses a script and the PCT (Post Connect Terminal) or not.

To connect to a Dial-Up account that does not require the PCT

1. In the login dialogue, enter your vendor specific login information in the **PIN** box.
2. Tap **Done**, the one-time password is generated and passed to the network invisibly.

To connect to a Dial-Up account using the PCT

1. In the PCT tap **Generate**.
2. In the vendor-specific **Generate Passcode** dialogue, generate the one-time password.
3. Tap **Copy**.
4. Return to the PCT, tap **Paste** to enter the one-time password in the script.

5. Tap **Done**.

To connect to a GPRS account

1. In the login dialogue, tap **Generate**.
2. Select the appropriate **Vendor** and **Token**.
3. In the vendor-specific **Generate Passcode** dialogue, generate the one-time password.
4. Tap **Copy**.
5. Return to the login dialogue, enter your user name if required and tap **Paste** to enter the one-time password in the **Pin** box.
6. Tap **Done**.

Tip Many dialogue details when using secure access are vendor, system and network specific. You should contact the administrator of the network you wish to access to get the correct information.

GPRS - data logs

Icons on the status bar let you overview the information on data connection calls.

A combined signal strength and GPRS signal icon provides information on the GPRS service status. The GPRS connection status appears above the signal strength icon. There are three states for the icon, unavailable , available  and active .

The HSCSD/CSD  and GPRS  icons are displayed during a data connection. Where GPRS is suspended, for example, the GPRS suspended state is indicated by a combined icon . There are three states for the GPRS icon: Active , active transferring data (alternates between  and ) and suspended . Any data transfer either received or sent activates the GPRS active icon for 2 seconds.

Connection information

When you select the data connection icon, during an active data connection, a menu appears with the choices **Information** and **Disconnect**.

- Select **Information** to view information on the connection.
- Select **Disconnect** to end the connection.

GPRS status information

When the signal strength icon is selected, network, GPRS status information and, if applicable, GPRS error text appear.

GPRS data log

A new GPRS data log entry is created when a GPRS account establishes a connection for the first time. If there is an existing data log associated with the current GPRS connection, this is updated.

The GPRS data log shows a list of GPRS Internet accounts. Where one account is active or suspended, the relevant status icon is displayed to the left of the account.

To view information on an account

- Select an account in the list.

Information on the account is shown. The data log is updated dynamically.

Buttons allow you to delete or reset the current data. These buttons are disabled during an active or suspended connection.

To delete the log for an account

1. Select an account in the list.
2. Select **Delete**.

To reset the log of an account

1. Select an account in the list.
2. Select **Reset**.

To delete or reset the log of several accounts

1. Select the check boxes of the accounts in the list to be deleted or reset.
2. Select **GPRS data log > Reset** or **GPRS data log > Delete**.

Session data

When the connection is deactivated, for example when the current Internet account is disconnected, the total data sent and received in the last session is displayed.

In both flip open and flip closed the information is displayed for a couple of seconds. In the flip closed mode, the information can be dismissed with the return key .

Troubleshooting

This chapter consists of a selection of suggestions for solving possible problems with your P800.

Start problems

- Hand-held phone: Recharge or replace the battery.
- Vehicle Handsfree: Check that the P800 is properly inserted into the holder and check the fuse in the fuse holder (connected to the battery cable).

SIM card related problems

Insert card

A SIM card has not been inserted into your P800. See “Getting started” on page 7 for instructions on inserting the SIM card.

PIN & unblocking PUK code

Contact your dealer if you have forgotten your PIN or unblocking PUK code. By default you need your PIN or PUK code to unlock your P800.

Tip Store PIN and unblocking PUK code information in a safe place.

Wrong PIN

The PIN code has been entered incorrectly. The message is followed by the prompt **Enter PIN**.

Enter the PIN code correctly and press **#** or **OK**.

Note If your PIN is entered incorrectly three times in a row, the SIM card will be blocked. You can unblock it by using your PUK.

Blocked contact card provider

The SIM card is permanently blocked after the Personal Unlocking Key (PUK) has been entered incorrectly ten times in a row. Contact your network operator.

Card blocked unblock?

This message appears if the PIN code has been entered incorrectly three times in a row.

To unblock the SIM card

1. Press **#**
2. Enter your personal unblocking key (PUK) and press **#**.

Note Your PUK is provided by your network operator when you purchase your SIM card.

Enter new PIN appears on the screen.

3. Enter your PIN code and press **#** . You can enter either your current PIN code or a new one. Repeat new PIN appears on the screen.
4. Enter your PIN code again for confirmation and press **#** .

If you entered both your unblocking key and PIN code correctly, the message **New PIN** will appear on the screen.

Alternative method for unblocking the SIM card

To unblock the SIM card, enter the following sequence:

***a/A** **0** **5** ***a/A** unblock key ***a/A**
new PIN ***a/A** repeat new PIN **#**

Lock problems

Device lock

Phone locked is displayed followed by the prompt **Enter lock code**.

Your P800 is locked to prevent unauthorized use.

To unlock the P800:

Enter your personal security code, then press **#** or **OK**.

Key symbol

The keypad is locked to prevent unintentional key action.

- Press **OK** followed by ***a/A** to unlock the keys.

Screen limitations

In all cases where numbers or characters exceed the available screen space, truncation or dots are used to compensate for this.

Numbers are truncated at the beginning, for example
...555666777.

Characters are truncated at the end, for example **Methusel...**

Emergency calls only

A network is within range but you are not allowed to use this network. You may, however, call the emergency number 112.

Fax calls

Your P800 does not support fax transmission. Even if your operator subscription supports fax transmission, fax calls will be rejected. However they can be forwarded to another number such as the office fax number, see “Forward calls” on page 47 for more information.

Preliminary

Note Make sure potential fax callers do not try to send a fax to your P800 as they can experience a number of retries before the fax transmission is stopped.

Indicator light

Blinks red

This indicates that the battery is running low and soon needs recharging or replacing with a spare.

Note With Vehicle Handsfree (VHF) equipment, make sure that the following are inserted or connected: your P800 and its holder, the fuse in the fuse holder, and/or the external antenna.

Does not blink

If the indicator light at the top of your P800 does not blink and no network is displayed there is no network within range. See “No network” on page 170.

Memory/Disk full

Due to memory limitations, your P800 has no more space available to save or store information.

Warning! Make sure regular backups are made with Communications Suite to reduce the risk of lost or corrupted information.

To free up memory, delete unused or old:

- Call logs.
- Contacts.
- Messages.
- Calendar To-Dos or appointments.
- WAP history or bookmarks.
- Notepad notes.

No network

This indicates that no network is within range. The reason for this is either:

1. You are in an area that is not covered by a network.
2. The received signal is too weak, possibly because you are being shielded from the signal. Move to obtain a sufficiently strong signal. Check your display signal strength indicator.

System failure

In case of a system failure, your P800 will flash an animated warning. To recover, please restart the P800 like this:

1. Press and hold the On/Off button *at least 10 seconds* to turn the P800 off.
2. Restart as normal: Press the On/Off button to turn on your smartphone.



Guidelines for safe and efficient use

Please read this information before using your mobile phone.

Important: To avoid hearing impairment, answer call or lower volume before placing this product to the ear.

Recommendations

- Always treat your product with care and keep it in a clean and dust-free place.
- Do not expose your product to liquid or moisture or humidity.
- Do not expose your product to extreme high or low temperatures.
- Do not expose your product to open flames or lit tobacco products.
- Do not drop, throw or try to bend your product.
- Do not paint your product.
- Turn your product off in places where posted notices instruct you to do so and in places where mobile phones are prohibited including aircraft and hospitals.
- Do not place your product or install wireless equipment in the area above your car's air bag.
- Do not attempt to disassemble your product. Only Sony Ericsson authorised personnel should perform service.

- If your mobile phone is equipped with infrared, never direct the infrared ray at anyone's eye and make sure that it does not disturb any other infrared units.

Antenna

Only use an antenna that has been specifically designed by Sony Ericsson for your mobile phone. Use of unauthorised or modified antennas could damage your mobile phone and may violate regulations, causing loss of performance and SAR levels above the recommended limits (see below).

Efficient Use

Hold your mobile phone as you would any other phone. Do not cover the top of the phone when in use, as this affects call quality and may cause the phone to operate at a higher power level than needed, thus shortening talk and standby times.

Radio Frequency (RF) Exposure and SAR

Your mobile phone is a low-power radio transmitter and receiver. When it is turned on, it emits low levels of radio frequency energy (also known as radio waves or radio frequency fields).

Governments around the world have adopted comprehensive international safety guidelines, developed by scientific organizations, e.g. ICNIRP (International Commission on Non-Ionizing Radiation Protection) and IEEE (The Institute of Electrical and Electronics Engineers Inc.), through periodic and thorough evaluation of scientific studies. These guidelines establish permitted levels of radio wave exposure for the general population. The levels include a safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a mobile phone. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level of the mobile phone while operating can be well below this value. This is because the mobile phone is designed to use the minimum power required to reach the network. Therefore, the closer you are to a base station, the more likely it is that the actual SAR level will decrease.

Variations in SAR below the radio frequency exposure guidelines do not mean that there are variations in safety. While there may be differences in SAR levels among mobile phones, all Sony Ericsson mobile phone models are designed to meet radio frequency exposure guidelines.

Accessories can significantly affect a mobile phone's compliance with the radio frequency exposure guidelines. For example, the Federal Communication Commission in the U.S. requires that some manufacturers' accessories shall be tested, and Sony Ericsson has done so with respect to its products. To avoid causing loss of performance or radio frequency exposure levels above the permissible limits it is recommended that you only use Sony Ericsson or Ericsson original accessories intended for use with the mobile phone. If you wear the mobile phone on your body while it is transmitting, and you do not use a Sony Ericsson or Ericsson original body worn accessory, please ensure that you are not using an accessory that contain any metal.

A separate leaflet with SAR information for this mobile phone model is included with the material that comes with this mobile phone. This information can also be found, together with more information on radio frequency exposure and SAR, on www.sonyericsson.com/.

Driving

Please check if local laws/regulations restrict the use of mobile phones while driving or require drivers to use handsfree solutions. We recommend that you use only Ericsson or Sony Ericsson handsfree solutions intended for use with your product.

Preliminary

Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions so require.

Please note that because of possible interference to electronic equipment, some vehicle manufacturers forbid the use of mobile phones in their vehicles unless a handsfree kit with an external antenna supports the installation.

Personal Medical Devices

Mobile phones may affect the operation of cardiac pacemakers and other implanted equipment. Please avoid placing the mobile phone over the pacemaker, e.g. in your breast pocket. When using the mobile phone, place it at the ear opposite the pacemaker. If a minimum distance of 15 cm (6 inches) is kept between the mobile phone and the pacemaker, the risk of interference is limited. If you have any reason to suspect that interference is taking place, immediately turn off your mobile phone. Contact your cardiologist for more information.

For other medical devices, please consult the manufacturer of the device.

Children

DO NOT ALLOW CHILDREN TO PLAY WITH YOUR MOBILE PHONE OR ITS ACCESSORIES. THEY COULD HURT THEMSELVES OR OTHERS, OR COULD ACCIDENTALLY DAMAGE THE MOBILE PHONE OR ACCESSORY. YOUR MOBILE PHONE OR ITS ACCESSORY MAY CONTAIN SMALL PARTS THAT COULD BE DETACHED AND CREATE A CHOKING HAZARD.

Disposing of the Product

Your mobile phone should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

Power Supply

Connect the AC power adapter only to designated power sources as marked on the product. Make sure the cord is positioned so that it will not be subjected to damage or stress. To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it. The AC power adapter must not be used outdoors or in damp areas. Never alter the cord or plug. If the plug will not fit into the outlet, have a proper outlet installed by a qualified electrician.

Emergency Calls

Mobile phones operate using radio signals, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any mobile phone for essential communications (e.g. medical emergencies).

Emergency calls may not be possible on all cellular networks or when certain network services and/or mobile phone features are in use. Check with your local service provider.

Using wireless technology to help find you in case of an emergency is a goal shared by the entire wireless industry, local phone companies and the emergency response centers. Your phone includes technology which represents the first step towards that goal. However, the complexity of mobile communication technology, combined with related implementation technologies means that this locating feature may not work in all cases, even if you are able to speak with an emergency response center. Always review with an emergency response center all location data you have, including intersecting streets, as well as any landmarks, to assist in locating you. Sony Ericsson is committed to continuing to work with the entire communications industry to improve location features for emergency response.

Sony Ericsson is not liable for any service(s) including operation, coverage, or range of the network services provided by network carriers independent of Sony Ericsson.

Battery Information

We recommend that you charge the battery for 4 hours before you use your mobile phone for the first time. The battery can only be charged in temperatures between +5°C (+41°F) and +45°C (+113°F).

A new battery or one that has not been used for a long time could have reduced capacity the first few times it is used.

The talk and standby times depend on usage conditions and network configurations when using the mobile phone. If the mobile phone is used near a base station, less power is required and talk and standby times are prolonged.

Preliminary

- **Warning!** May explode if disposed of in fire.
- Use only Ericsson or Sony Ericsson branded original batteries and chargers intended for use with your mobile phone. Other chargers may not charge sufficiently or may produce excessive heat. Using other batteries and chargers could be dangerous.
- Do not expose the battery to liquid.
- Do not let the metal contacts on the battery touch another metal object. This could short-circuit and damage the battery.
- Do not disassemble or modify the battery.
- Do not expose the battery to extreme temperatures, never above +60°C (+140°F). For maximum battery capacity, use the battery in room temperature.
- Turn off your mobile phone before removing the battery.
- Keep out of children's reach.
- Use the battery for the intended purpose only.
- Do not allow the battery to be put into the mouth. Battery electrolytes may be toxic if swallowed.



Disposing of the battery

The battery should never be placed in municipal waste. Please check local regulations for disposal of batteries or call your local Sony Ericsson Customer Care Center for information.



Limited warranty

Sony Ericsson Mobile Communications AB, S-221 88 Lund, Sweden, (Sony Ericsson), provides this Limited Warranty for your mobile phone and original accessory delivered with your mobile phone (hereinafter referred to as "Product").

Should your Product need warranty service, please return it to the dealer from whom it was purchased, or contact your local Sony Ericsson Customer Care Centre (national rates may apply) or visit www.SonyEricsson.com/ to get further information.

Our warranty

Subject to the conditions of this Limited Warranty, Sony Ericsson warrants this Product to be free from defects in design, material and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year.

What we will do

If, during the warranty period, this Product fails to operate under normal use and service, due to defects in design, materials or workmanship, Sony Ericsson authorised distributors or service partners, in the country/region* where you purchased the Product, will, at their option, either repair or replace the Product in accordance with the terms and conditions stipulated herein.

Sony Ericsson and its service partners reserve the right to charge a handling fee if a returned Product is found not to be under warranty according to the conditions below.

Conditions

1. The warranty is valid only if the original proof of purchase issued to the original purchaser by the dealer, specifying the date of purchase and serial number**, is presented with the Product to be repaired or replaced. Sony Ericsson reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the Product from the dealer.
2. If Sony Ericsson repairs or replaces the Product, the repaired or replaced Product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer. Repair or replacement may involve the use of functionally equivalent reconditioned units. Replaced parts or components will become the property of Sony Ericsson.

3. This warranty does not cover any failure of the Product due to normal wear and tear, or due to misuse, including but not limited to use in other than the normal and customary manner, in accordance with the Sony Ericsson instructions for use and maintenance of the Product. Nor does this warranty cover any failure of the Product due to accident, modification or adjustment, acts of God or damage resulting from liquid.
4. Since the cellular system on which the Product is to operate is provided by a carrier independent from Sony Ericsson, Sony Ericsson will not be responsible for the operation, availability, coverage, services or range of that system.
5. This warranty does not cover Product failures caused by installations, modifications, or repair or opening of the Product performed by a non-Sony Ericsson authorised person.
6. The warranty does not cover Product failures which have been caused by use of accessories or other peripheral devices which are not Ericsson or Sony Ericsson branded original accessories intended for use with the Product.
7. Tampering with any of the seals on the Product will void the warranty.

Preliminary

8. THERE ARE NO EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED LIMITED WARRANTY. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SONY ERICSSON OR ITS LICENSORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS, TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.

Some countries/states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.

The warranty provided does not affect the consumer's statutory rights under applicable legislation in force, nor the consumer's rights against the dealer arising from their sales/ purchase contract.

If you have purchased your Product in an EU country you can have your Product serviced, under the conditions set out above, within the warranty period in any EU country where an identical Product is sold by an authorised Sony Ericsson distributor. To find out if your Product is sold in the EU country you are in, please call the local Sony Ericsson Customer Care Centre. Please observe that certain services may not be possible elsewhere than in the country of original purchase, for example due to the fact that your Product may have an interior or exterior which is different from equivalent models sold in other EU countries. It may not be possible to repair SIM-locked Products.

** In some countries/regions additional information is requested. If so, this is clearly shown on the valid proof of purchase.

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

* European Union (EU)

Terms and definitions

AU, .au

Format for audio data files.

Bearer

Path over which data flows. Specifically in CSD and HSCSD, the type of telephony link from the GSM network to the server – PSTN or ISDN.

Bluetooth

Bluetooth wireless technology is a secure, fast, point-to-multipoint radio connection technology. It is a computing and telecommunications industry specification that describes how mobile phones, computers, and personal digital assistants (PDAs) can easily interconnect with each other and with home and business phones and computers using a short-range wireless connection.

Bookmark

A URL and header/title stored in the phone, enabling the user to go directly to a Web or WAP page.

bps

Bits per second – rate of data flow.

BMP

Microsoft Windows Bitmap. A graphics format defined by Microsoft supporting 1, 4, 8 or 24 bit colour depth. No compression, so files can be large.

cHTML

A version of HTML optimized for small devices.

CLI

Calling Line Identity. Shows the number of the person calling you in your mobile phone display. Your smartphone will also display the name and photograph of the caller if they are in Contacts. You can then make an informed choice as to whether or not to take the call. Bear in mind that not all numbers can be displayed. To use this service, it must be supported by your network.

COM Port

Defines a serial/RS-232 port within the Windows environment. May be physical (COM1 port on the rear of the PC) or virtual (COM5 port communicating with a PC card modem).

CS

Circuit Switched. Connection from A to B which has a fixed bandwidth and is maintained over a period of time, for example a voice telephone call.

Preliminary

CSD

Circuit Switched Data. CSD is a GSM service providing a CS data connection at a rate of 9.6 or 14.4kbps.

CSS

Cascading Style Sheet. A feature of browsers.

DTMF

Dual Tone Multi Frequency. A method of coding digits as a combination of two audible tones.

DUN

Dial-Up Networking. The dial-up networking capability in Windows.

e-GSM

Extended GSM. New frequencies specified by the European Radio Communications Committee (ERC) for GSM use when additional spectrum is needed (network-dependent). It allows operators to transmit and receive just outside GSM's core 900MHz frequency band. This extension gives increased network capability.

EMS

Enhanced Messaging Service. An extension of SMS enabling pictures, animations, sound and text formatting to be added to text messages.

ESM

Ericsson Smart Messaging. Used for OTA configuration; an enhancement of the Nokia Smart Messaging standard.

FCC

Federal Communications Commission. US government agency which regulates radio communications.

GIF

Graphics Interchange Format. Format for storing images which also supports animated images. Highly compressed by limiting the colour palette to 16 or 256 colours. It is one of the two most common file formats for graphic images on the World Wide Web. The other is JPEG.

GPRS

General Packet Radio Services. A radio technology for GSM networks that adds packet-switching protocols, shorter set-up time for ISP connections, and offer the possibility to charge by amount of data sent rather than connect time. GPRS promises to support flexible data transmission rates typically up to 20 or 30 kbps (with a theoretical maximum of 171.2 kbps), as well as continuous connection to the network.

GSM

Global System for Mobile Communications. GSM is the world's most widely-used digital mobile phone system, now operating in over 160 countries around the world.

GSM 900

The GSM system family includes GSM 900, GSM 1800 and GSM 1900. There are different phases of roll-out for the GSM system and GSM phones are either phase 1 or phase 2 compliant.

GSM 1800

Also known as DCS 1800 or PCN, this is a GSM digital network working on a frequency of 1800 MHz. It is used in Europe and Asia-Pacific.

GSM 1900

Also known as PCS. Refers to a GSM system running in the 1900 MHz band. Used in the USA and Canada, for instance.

HSCSD

High-Speed Circuit-Switched Data (HSCSD) is circuit-switched wireless data transmission for mobile users at data rates up to 38.4 kbps, four times faster than the standard data rates of the Global System for Mobile (GSM) communication standard in 1999.

HTML

Hypertext Markup Language is the set of markup symbols or codes inserted in a file intended for display on a World Wide Web browser page. The markup tells the web browser how to display a web page's words and images.

HTTP

HyperText Transfer Protocol. The communications protocol used to connect to servers on the World Wide Web. Its primary function is to establish a connection with a Web server and transmit HTML pages to the client browser.

IMAP4

Internet Message Access Protocol (the latest version is IMAP4) is a standard client/server protocol for accessing e-mail from your local server. The e-mail is received and held for you by your Internet server. You (or your client e-mail receiver) can view just the heading and the sender of the letter and then decide whether to download the mail.

IrDA

The Infrared Data Association. is dedicated to developing standards for wireless, infrared transmission systems between devices. With IrDA ports, a device such as your smartphone can exchange data with other devices without a cable connection. IrDA requires line-of-sight transmission.

ISDN

Integrated Services Digital Network. Communication protocol offered by telephone companies that permits telephone networks to carry data, voice, and other source traffic. It can provide circuit-switched data connections in multiples of 64 kbps.

Preliminary

ISP

Internet Service Provider. An organization that provides access to the Internet.

JFIF

JPEG File Interchange Format.

JPEG

Joint Photographic Experts Group, best known for the .JPG format for still image compression.

MBM

Multiple Bit Map. Symbian OS bitmap format.

MeT

Mobile Electronic Transactions. An initiative founded by Ericsson, Nokia and Motorola to establish a secure and consistent framework for mobile transactions.

MIDI

MIDI (Musical Instrument Digital Interface) is a protocol designed for recording and playing back music on digital synthesizers that is supported by many makes of personal computer sound cards.

MIME

Multipurpose Internet Mail Extensions. A protocol defining how messages are sent on the internet. For example, MIME is used to describe how attachments are encoded and what type of data they contain.

MMS

Multimedia Messaging Service. Logical extension of SMS and EMS. MMS defines a service enabling sound, images and video to be combined into multimedia messages. It supports photo quality pictures, and sounds in WAV, MIDI, AMR, or Melodies format.

MP3

MPEG-1 Audio Layer-3 is a standard technology and format for compression a sound sequence into a very small file (about one-twelfth the size of the original file) while almost preserving the original level of sound quality when it is played.

MPEG-4

The Moving Picture Experts Group, develops standards for digital video and digital audio compression. It operates under the auspices of the International Organization for Standardization (ISO). MPEG-4 goes far beyond compression methods: Instead of treating the data as continuous streams, MPEG-4 deals with audio/video objects that can be manipulated independently, allowing for interaction with the coded data and providing flexibility in editing. MPEG-4 supports a wide range of audio and video modes and transmission speeds. It also deals with intellectual property and protection issues.

OS

Operating System, such as Symbian OS, Linux, Microsoft Windows.

OTA

Over The Air. A technology for transmission and reception of application related configuration information in a wireless communications system.

PC

Personal Computer.

PCS

Personal Communications Services, often used to describe GSM 1900 networks.

PDF

Portable Document Format. A format created by Adobe for storing and distributing documents.

Phone book

A memory in the SIM card where phone numbers can be stored and accessed by name or position.

PIM

Personal Information Management. Generic term for applications such as Contacts, Calendar, Tasks, and so on.

PIN

A PIN is a personal identification number. PINs are commonly assigned to bank customers for use with automatic cash dispensers. They are also used, sometimes with a security token, for individual access to computer networks or other secure systems.

POP3

Post Office Protocol 3 is a standard client/server protocol for receiving e-mail. The e-mail is received and held for you by your Internet server. Periodically, you (or your client e-mail receiver) can check your mail-box on the server and download any mail.

QQVGA

Quarter Quarter VGA, 160 x 120 pixels.

Preliminary

QVGA

Quarter VGA size, typically refers to a portrait oriented screen 240 pixels wide x 320 pixels high.

PDA

Personal Digital Assistant. A handheld computer having functions such as address book, calendar, and so on.

PNG

Portable Network Graphics. Format for storing images on file with data compression but without lowering of quality (loss of information).

Protocol

In information technology, a protocol is the special set of rules that end points in a telecommunication connection use when they communicate. Protocols exist at several levels in a telecommunication connection.

RS232

A standard for serial transmission between computers and peripheral devices

SGML

A generic markup language for representing documents.

SC

Service Centre (for SMS).

Service Provider

A company that provides services and subscriptions to mobile phone users.

SIM

A SIM (Subscriber Identity Module) card is a “smart card”, inserted into GSM phones, that contains your telephone account information. SIM cards can also be programmed to display custom menus for personalized services, for instance to assist operators in providing mobile commerce applications.

SMIL

Synchronized Multimedia Integration Language. Used by MMS to describe how media objects are to be played.

SMS

Short Message Service. Allows messages of up to 160 characters to be sent and received via the network operator's message centre to a mobile phone.

SMTP

Simple Mail Transfer Protocol. Protocol used to send e-mail from an e-mail client via an SMTP server.

SWIM

A SWIM card is a SIM card containing a WIM.

SyncML

SyncML is a universal protocol for data synchronization, developed by the SyncML initiative Ltd.

TCP/IP

Transmission Control Protocol/Internet Protocol. TCP/IP is the basic communication language or protocol of the Internet. It can also be used as a communications protocol in a private network (either an intranet or an extranet).

TLS

Transport Layer Security. Used by Web browsers, for example.

URL

Uniform Resource Locator. Points to a service or information on the internet, for example: <http://www.sonyericsson.com>

USB

Universal Serial Bus. A plug-and-play interface between a computer and add-on devices (such as audio players, joysticks, keyboards, telephones, scanners, and printers). With USB, a new device can be added to your computer without having to add an adapter card or even having to turn the computer off.

USSD

Unstructured Supplementary Services Data. Narrow-band GSM data service. For example entering M79M1234# might return the stock price for stock 1234.

vCal; vCalendar

vCalendar defines a transport and platform-independent format for exchanging calendar and scheduling information for use in PIMs/PDAs and group schedulers. vCalendar is specified by IETF.

vCard

vCard automates the exchange of personal information typically found on a traditional business card, for use in applications such as internet mail, voice mail, Web browsers, telephony applications, call centres, video conferencing, PIMs /PDAs, pagers, fax, office equipment, and smart cards. vCard is specified by IETF.

VGA

Video Graphics Array. Graphics standard introduced by IBM, having a resolution of 640 x 480 pixels.

VPN

Virtual Private Network. A private network that is configured within a public network. A VPN appear as private national or international network to the customer, but physically shares a backbone trunk with other customers. VPNs enjoy the security of a private network via access control and encryption, while taking advantage of the economies of scale and built-in management facilities of large public networks. Today, there is tremendous interest in VPNs over the Internet, especially due to the constant threat of hacker attacks.

Preliminary

WAP

Wireless Application Protocol is a specification for a set of communication protocols to standardize the way that wireless devices, such as cellular telephones and radio transceivers, can be used for Internet access, including e-mail, the World Wide Web, newsgroups, and Internet Relay Chat (IRC).

Wav

A Wave file is an audio file format, created by Microsoft, that has become a standard PC audio file format for everything from system and game sounds to CD-quality audio. A Wave file is identified by a file name extension of WAV (.wav).

WBXML

Wireless Binary Extensible Markup Language.

WIM

The Wireless Identity Module is a data module for electronic identity certificates. It can contain both trusted and client certificates, private keys and algorithms needed for WTLS handshaking, encryption, decryption, and signature generation. The WIM module can be placed on a SIM card, called a SWIM card.

WML

Wireless Markup Language. A markup language used for authoring services, fulfilling the same purpose as HyperText Markup Language (HTML) does on the World Wide Web (WWW). In contrast to HTML, WML is designed to fit small handheld devices.

WTLS

Wireless Transport Layer Security. Part of WAP, WTLS provides privacy, data integrity and authentication on transport layer level between two applications.

W3C

The main standards body for the WWW.

xHTML

Extensible Hypertext Markup Language. A reformulation of HTML 4.01 in XML. Being XML, means that XHTML can be viewed, edited, and validated with standard XML tools. At the same time, it operates as well as or better than HTML 4 in existing HTML 4 conforming user agents.

XML

Extensible Markup Language. An initiative from the W3C defining an “extremely simple” dialect of SGML suitable for use on the WWW.

Technical data

General

Product name P800	Standard version, latin character set
Size	117 x 59 x 27 mm
Weight	158 grams with battery and flip, 148 grams with battery, flip removed.
System and power class	E-GSM 900 Class 4 GSM 1800 Class 1 GSM 1900 Class 1
SIM Card	Small plug-in card, 3V or 5V type
Operating System	Symbian OS v7.0 with UIQ user interface and applications environment
Processor	ARM 9
User storage	For settings, user data (for example images, contacts, messages) and third party applications: 12Mbyte
Battery life, standard battery	Talk Time: up to 13 hours Stand-by time: up to 400 hours
Operating temperature	-15° to +55° C

Screen

Screen type	TFT
Screen size	Flip closed: 208 x 144 pixels, 40 x 28 mm Flip open: 208 x 320 pixels, 40 x 61 mm
Pixel size	0.192 x 0.192 mm, or 132 ppi (Pixels Per Inch)
Colour resolution	12-bit (4096 colours)
Screen surface	Touch-sensitive
Illumination	Front-light

Integrated CommuniCam

Picture Size	640 x 480 pixels (VGA) 320 x 240 pixels (QVGA) 160 x 120 pixels (QQVGA)
Colour depth	24 bit (16 million colours)
Storage format	JPEG/JFIF, 3 quality (compression) levels, user-selectable.

Picture viewer

Formats	JPEG, BMP, GIF, PNG, WBMP
Sharing via	IR, Bluetooth wireless technology, MMS message, e-mail, PC file transfer

Video player

File Format	.MP4 (MPEG4)
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Audio player

File Format	.MP3, WAV, AU, G-MIDI and AMR
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Bluetooth wireless technology

Specification	Version 1.1.
Coverage area	Up to 10 metres (33 feet)

Infrared transceiver

Data transmission rate	Max speed between phone and IrDA device (that is PC, another phone): up to 115,200 bps
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Integrated browser

Markup languages	HTML 3.2 (excluding features not relevant to a small screen device) WML 1.2.1 WBXML xHTML Basic xHTML Mobile Profile cHTML
WAP version	2.0
Scripting	Compiled WML scripts
Style sheets	WCSS
Images	WBMP, GIF (including animated), JPEG
Security	WTLS Class 1, 2, 3 TLS/SSL
WIM	WIM interface including SIM-WIM (SWIM)
Cache	15 - 120kbyte user-configurable; 30kbyte default.

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