Video player

With Video player, you can watch clips stored on your phone as well as streaming video from Internet. For a list of supported media formats, see *Technical data* on page 94.

Note: *Copyright-protection may prevent content from being copied, modified or transferred. If a file is copyright-protected, or if an access key has expired or is unavailable, an icon is displayed by the file name.*

To play a video clip
1. Select *Entertainment > Video*
2. Navigate to the clip you want to watch.
3. Select *Play* or press the Jog Dial to start playback.

To play streaming video
Provided you have an Internet account set up, you can also watch video streams from the Internet. Select *More > Manage > Open URL* and enter the address to the streaming content. You can save shortcuts to streaming content. They are stored in *Entertainment > Online media*.

Playback controls
Press the Play/stop button, or ⌷2 ABC⌷ to play or stop. Press the ⌷1 ✉⌷ and ⌷3 DEF⌷ keys or press and hold the Volume button to skip to previous or next clip.

Press the Jog Dial, tap the screen, or select *Expand* to switch to full screen view. Tap the screen or press the Jog Dial to return to normal view.

Tap on the progress bar or rotate the Jog Dial to move backwards and forwards within the clip.

Bookmarks
You can set a bookmark in a video clip, and resume viewing from that position at a later time. From playback view, select *More > Bookmark > Save position*. The next time you open the clip, select *Resume*.

Manage clips
Select how the clips are sorted in *More > Preferences*.

To move, copy, delete or rename clips, select *More > Manage*.

Preferences
Select *More > Settings > Preferences* to access the following settings:

View mode
Select if you want video clips to open in portrait or landscape view as default.

Video size
• *Original* – the video is displayed in its actual size.

- *Auto fit* – the video covers as much of the display as possible, without changing aspect ratio or cutting the frames.
- *Full screen* – the video covers the whole display. Frames are cut if necessary to keep the aspect ratio.

Repeat

You can select to repeat the current clip, all clips in the current folder, or turn repeat off.

Configuration

Select *More > Settings > Configuration* to access the following settings:

Buffering tab

- *Media buffer* – controls the amount of data that is saved before playback of a stream begins. Normally you would use the default setting. Selecting a higher setting can improve playback, at the expense of higher memory usage.
- *Download cache* – cache memory is used to temporarily store streaming video so that data does not have to be downloaded again if you rewind and watch a clip again. Select *Clear cache* to free up memory.

Proxy tab

Use the Internet settings unless you have instructions from, for example, your operator or company IT department to use manual configuration.

Online media

Online media contains the streaming media links that you have saved. Media links may also have been preloaded by your operator. Select *Entertainment > Online media*. Select a link and tap *Open link*, or select *More > New link* and enter the Web address. You must enter the full path to the streaming content.

MusicDJ™

With MusicDJ™ you can compose melodies to use as ringtones.

A melody consists of four tracks: Drums, Bass, Chords and Accents. You compose the melody by adding prearranged sound samples to the tracks. Each sample is one bar long.

The samples are grouped into Intro, Verse, Chorus and Break.

To compose a melody

1. Select *Entertainment > MusicDJ™*.
2. Select *More > Set tempo* and adjust the tempo of the melody in beats per minute (BPM).
3. Tap a bar in one of the tracks and select a sample to insert. You can also copy and paste samples between bars.

Use the transport bar to play, pause, stop, fast forward or rewind. When composing you can also move between bars by rotating the Jog Dial, or selecting *More > Go to* and entering the numbers of the desired track and bar.

To use a melody as ringtone, select *More > Set > Set as ringtone*.

From the *More* menu you can also save, open and send melodies.

Sound recorder

Select *Entertainment > Sound recorder.*

Record

To start a new recording, scroll to *New recording* and press the Jog Dial or tap *Rec*. Recording starts after the beep.

You can also continue previous recordings. Scroll to the desired clip and select *Rec*. Recording will resume at the end of the previously recorded material.

Press *Stop* when you are finished recording.

Playback

Scroll to the desired clip and select *Play.*

Music recognition

Select *TrackID™* to sample music and identify it. See *Identify music with TrackID™* on page 21.

Manage recordings

On the *More* menu you find commands to rename, send and delete recordings.

All recordings that you make with the Sound recorder are also available in *Walkman® player* under *My recordings*.

Tip *You can use recordings as ringtones.*

Games

QuadraPop

Quadrapop is a puzzle game. Select *Entertainment > Quadrapop > Help* to learn more.

Night Club Empire

Night Club Empire is a simulation game in which you start and manage your own night club. Select *Entertainment > Night Club Empire* and select *Instructions* to learn more.

Calendar

Calendar helps you to keep track of appointments, reminders, all-day events and anniversaries. You can use anniversaries for annual reminders of important dates, such as birthdays or celebrations. You can set reminder alarms for the entries.

You can invite attendees to appointments or all-day events. The invitations are sent via email and when recipients open them in Messages, they can accept them and add them to Calendar, or decline them.

Note: *Before you can invite attendees you must set up your email account in the phone, see Setting up Internet, email and MMS on page 65.*

Select *Organizer > Calendar > More > Set view* to switch between *Month view* and *Week view*. Tap the right or left arrows above the calendar sheet to scroll.

Creating calendar entries

Select *Organizer > Calendar > New* and then one of the entry types: Appointment ▯, Reminder ⚑, All-day event ◆ or Anniversary 🎁. You can add comments on the 📝 tab.

Note: *In Contacts, if you enter a contact's birthday, you have the possibility to create a birthday anniversary entry at the same time. See Editing a contact on page 39.*

Invitations

If the entry is an appointment or an all-day event you can invite others to the appointment on the @ tab. You invite attendees by entering their email addresses.

Note: *An invitation receipt from an attendee will be received as a normal email.*

To see if an invitation is accepted open the invitation details and select **Response status** in the **More** menu.

Managing calendar entries

You can search for a certain entry by entering a search text. You can delete a single entry or all entries in a defined period of time. You can copy entries from one date to another in Calendar and move entries to Tasks. You can send an entry or a whole category of calendar entries to other devices, see *Send as* on page 14.

Note: *If you select the note tab 📝, you can mark a calendar entry as Private in the More*

menu. Such entries are excluded when sending.

You can synchronize Calendar with a corresponding application in your computer. You can also perform a remote synchronization over the telephone network. Select *More > Calendar manager > Synchronize*, see *Remote synchronization* on page 64.

Note: *Information about which folders you use to organize the entries will not be synchronized.*

Notes

Notes is a notebook where you can write notes and draw sketches. You can separate notes into different folders, for example work and personal notes.

Select *Organizer > Notes > New*. A notes entry consists of two tabs, 📝 tab for text and ✍ tab for sketches.

Tasks

With Tasks you can make a list of things you need to do. You can separate task entries into different folders, for example, work and personal activities.

Select *Organizer > Tasks > New*. A task entry consists of two tabs, 📄 tab for details about the task and 📝 tab for notes.

Note: *If you select the 📝 tab, you can mark a task as* **Private** *in the* **More** *menu. Such entries are excluded when they are sent as messages.*

You can synchronize Tasks with a corresponding application in your computer. You can also perform a remote synchronization over the telephone network. Select *More > Tasks manager > Synchronize*, see *Remote synchronization* on page 64.

Note: *The Folders will not be synchronized.*

Calculator

With Calculator you can add, subtract, multiply, divide and calculate square roots and percentages. It also has a memory function.

Select *Tools > Calculator*. All calculations, except percentage calculations, are performed in the order they are entered, for example: 5+5x5=50, not 30.

Percentage calculations are performed backwards. To calculate, for example, 10% of

50, enter 50x10%. The result is displayed when you tap the %-key.

Converter

With Converter you can convert different values of the following categories; Distances, Volumes, Weights, Temperatures, Speeds, Areas and Currencies.

You can add further currencies to the list of currencies to convert and you can enter the exchange rate of different currencies.

Converting units of measurement

If you, for example, want to convert distances from kilometers to nautical miles, you select *Tools > Converter > Distances*, and then the *Metric* tab where you enter the value. Select *Convert* and then the *Nautical* tab to see the result.

Setting converter decimals

You can set the number of decimals for all categories, select *Decimals* in the menu bar.

Converting currencies

Select *Tools > Converter > Currencies* and select the *convert from* and *convert to* currencies from the currency list. Enter the amount of the currency you want to convert and select *Convert*.

Entering exchange rates

The default exchange rates in Converter are set to 0. You have to enter the current rates manually.

Select *More > Exchange rate* to enter the current exchange rate for a currency for example Japanese yen in US Dollars.

Adding currencies

When the phone is delivered Converter contains a few commonly used currencies. Select *More > Add currency* menu to add further currencies and their exchange rates to the currency list.

Time

Select *Tools > Control panel > Device > Time & date* to set the time and date. For more information, see *Time & date* on page 78.

Setting alarms

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

To set a new alarm, tap one of the alarm slots. You can specify when and how often the alarm will go off.

You have three possibilities for what happens when an alarm goes off:

- A sound is played. Choose between one of the sounds stored in your phone.
- The FM radio starts. This function works just like a clock radio.

Important: *You must connect the handsfree to your phone, which acts as an antenna. When the alarm goes off the radio will be played in the speaker.*

- A silent alarm. A message is displayed on the screen.

If you select *Default melody*, the settings from *Tools > Control panel > Device > Sounds & alerts > Alarms* will be used.

Alarms require that the phone is turned on.

When the alarm goes off you can select *Snooze* to postpone the alarm for five minutes or *More > Silence* to turn off the alarm. To turn off the alarm completely, tap *Done*.

Timer

Use *Tools > Timer* if you need to be reminded within a certain amount of time. The Timer application is hidden until the time has passed. Select *Continue* to stop the alarm.

Stopwatch

Use *Tools > Stopwatch* if you want to measure how long time an event takes.

If you select *New lap* you can measure the time individually for nine separate events, for example a lap in a race or individual contestants in a race.

Managing files and applications

File manager

File manager is used to manage content and organize media, both within the Phone memory and on the Media memory. The File manager view is displayed in two tabs; ⬚ tab for the phone memory and ⬚ tab for the Media memory.

Protected files

Downloaded or received files may be copyright-protected. Copyright-protection may prevent content from being copied, modified or transferred. If a file is copyright-protected, or if an access key has expired or is unavailable, an icon is displayed by the file name.

Handling files and folders

With File manager you can view, rename, copy, move and delete files and folders. Select *Tools > File manager*.

- In the phone memory ⬚ tab you manage media content and other files within the folders *Picture*, *Music*, *Video*, *Document* and *Other*.

- In the Media memory ⬚ tab you can manage 4 GB of media content, primarily music files, and other files in the same folders as in the phone memory. Additional folders can also be created by some applications or by yourself.

Note: *Install applications and other content you use often, for example, ringtones in the Phone memory since the Media memory is sometimes unavailable when the phone is connected to a computer.*

Many operations in File manager can also be launched from *Tools > Control panel > Other*.

Transferring files from a computer

You can access the Media memory as a USB mass storage device from a computer. This way you can browse the folders on the Media memory and quickly transfer files to it.

Launching media files

You can launch media files direct from File manager by selecting them.

Renaming the Media memory

You can rename the Media memory. Select *Tools > File manager > More > Device > Format Media memory > Rename*.

Formatting the Media memory

To format the Media memory, select *Tools > File manager > More > Device > Format Media memory > Format*.

Note: *All information on the Media memory will be deleted during formatting.*

Installing applications

You can install the following two types of applications in your phone:

- Applications specifically intended for your phone or compatible with the Symbian operating system. These installation files have the extension .SIS.

- Java applications compatible with the Symbian operating system. These installation files have the extension .jar or .jad.

Install an application by selecting *Tools > File manager > More > Device > Install*. Select the required application and select *Details* to view information about the certificate. If the signature details are OK, select *Install* and follow the instructions in the phone. The application will be installed in *Tools* folder. You can move it to another folder if you desire.

Note: *Only install applications where the vendor identity and file integrity can be verified. To be sure that a certificate has not*

been revoked, you can select **Security**, mark **Enable revocation check** and enter the **URL-address** where the certificate can be checked.

Removing applications

It is sometimes necessary to remove installed applications to free up storage space.

Select *Tools > File manager > More > Device > Uninstall*. Confirm with *Yes*.

Storage wizard

The *Low on storage space* dialog is displayed when your phone has no more storage space available to save or store information. From that dialog you can start Storage wizard to clean up storage space by removing unwanted applications and files.

Whenever required you can also launch Storage wizard from *Tools > File manager > More > Device > Storage wizard* or from *Tools > Control Panel > Device > Storage wizard*.

Note: *Before you clean up storage space, make sure you have a backup copy of information that is important to you.*

PC Suite

Note: *If you want to keep data from your old Sony Ericsson phone, see Transferring data between phones on page 21.*

The **Sony Ericsson PC Suite** is a set of computer software tools delivered with your phone. These tools can be used for a variety of tasks, including:

- Synchronizing, for example, contacts, email, and calendar events between the phone and a computer.
- Backing up phone data to a computer and restoring data to the phone from a backup on the computer.
- Installing new software and languages in the phone.
- Connecting a computer to the Internet via the phone.
- Managing phone files from a computer and exchanging files between the phone and the computer.

For further information on synchronizing, making backups, and restoring from backups, see *Synchronization and backup* on page 62.

Installing PC Suite

Note: *Make sure that no other Sony Ericsson equipment is connected to your computer when starting the installation.*

Install the Sony Ericsson PC Suite on your computer by inserting the supplied CD. The installation normally starts automatically. If not, you can start it by executing the **start.exe** file located on the CD.

Note: *The Sony Ericsson PC Suite CD contains several applications. It does not matter in which order you install them, unless otherwise stated during the installation.*

You can also download the Sony Ericsson PC Suite from *www.sonyericsson.com/support*.

Application launcher

The individual applications in the Sony Ericsson PC Suite are started from an application launcher on your computer. To reach this, select **Start > Programs > Sony Ericsson > Sony Ericsson PC Suite for Smartphones**.

You can connect your phone to the computer using a Bluetooth connection, the infrared port or the USB cable. Some applications may require a specific connection to be used. For example, Sony Disc2Phone and Adobe Photoshop Album Starter Edition both require a USB connection, with the **Fast file transfer** setting, in order to work.

Managing phone files

To manage phone data using a computer, connect your phone to the computer. Click the **File Manager** icon in Windows™ Explorer, and select your phone. You can then copy files to and from the Phone memory and the Media memory.

Connecting to other devices

When you want to exchange information between your phone and another device, connect them using Bluetooth™ wireless technology, an infrared link, or a USB cable.

With these types of connections you can, for example:

- Send a file (a picture, for example) to a computer or to another phone.
- Use a Bluetooth headset in a phone call.
- Synchronize calendar events and contacts with the corresponding data on a computer.
- Back up phone data onto a computer.
- Use your phone as a computer modem.

For more information on synchronizing and making backups, see *Synchronization and backup* on page 62.

Bluetooth™ wireless technology

Bluetooth™ wireless technology uses radio waves to connect devices at a range of up to ten metres. The connection may be improved if there are no solid objects between your phone and the other Bluetooth device.

See *Bluetooth wireless technology* on page 71 for information on how to make the Bluetooth settings.

Sending and receiving files

From any application with a **Send as** option, you can send a file via a Bluetooth connection without first having to pair with the receiving device. To send a file, select **Send as > Bluetooth** in the **More** menu and your phone will search for available devices. Select one of the devices.

If another Bluetooth device sends an item to your phone, a dialog may appear (operator-dependent) with options for accepting or rejecting the file transfer. When the transfer is complete you will find the file in the Messaging application in the **Messages** inbox.

If the device is paired with your phone, you can mark **Trust this device** to allow it to connect with your phone again in future without confirmation.

File transfer

Using the Bluetooth File Transfer Protocol you can connect your phone to a computer and then manage files and folders in the phone from the computer. For file operations over Bluetooth connections you select the Bluetooth folder or icon on your desktop.

Infrared port

When you connect your phone to another device using an infrared link, the ports of both devices have to be within one metre from each other, in line of sight, and at an angle of no more than about 30 degrees.

See *Infrared port* on page 73 for information on how to activate the infrared port.

WARNING! *Never point an active infrared port at somebody's eye, or at the port of other infrared devices than the one you are connecting to.*

Sending and receiving files

From any application with a **Send as** option, you can send a file over the infrared port. To send a file, select **Send as > IR** in the **More** menu.

When the transfer of a file sent to your phone is complete you will find the file in the Messaging application in the **Messages** inbox.

USB port

With a USB (Universal Serial Bus) cable, you can connect your phone to the USB port of another device.

See *USB* on page 73 for information on how to make the USB settings.

Note: *Before connecting the USB cable to a computer, install the Sony Ericsson PC Suite on the computer, see Installing PC Suite on page 59.*

A USB connection, with the **Fast file transfer** setting, is required when using the Sony Disc2Phone and Adobe Photoshop Album Starter Edition computer applications to transfer music and image files respectively to and from your phone.

A USB connection, with the **Normal mode** setting, is required for phone data backup to a computer and for restoring data from a backup.

Note: *During data transfer over USB, do not change the USB settings or disconnect the phone from the other device as this may cause a data loss.*

Charging battery over USB

When your phone is connected to, for example, a computer over a USB connection

you can select to simultaneously charge the phone's battery.

Note: *For battery charging from a USB hub, only use a hub with its own power supply.*

Connections manager

Connections manager lets you view and close all open Internet connections and view the logs for both open and closed connections.

Select *Tools > Connections mgr* to display the connections and the logs.

To view the details about a connection or a log, select the connection or the log. If you, for example, want to reset a log, mark it and select *Reset log* in the *More* menu.

Computer modem

Through the Sony Ericsson PC Suite, a computer can use your phone as a modem for connecting to the Internet. See the Web guide for more information.

Phone settings

In the phone, go to *Tools > Control panel > Connections* and activate the chosen connection method:

- For a Bluetooth or infrared connection, switch it on.
- For USB, mark *Normal mode*.

Establish a connection between your phone and the computer.

Computer settings

Start the Sony Ericsson PC Suite on the computer by selecting *Start > Programs > Sony Ericsson > Sony Ericsson PC Suite for Smartphones*. Choose *Mobile Networking Wizard*.

Either a connection is created automatically, or you have to create one yourself by selecting *New connection* in the *File* menu. See the online help for further instructions.

Connecting to the Internet

To connect to the Internet, click *Connect* in the *Mobile Networking Wizard* window.

Synchronization and backup

The Sony Ericsson PC Suite lets you synchronize your phone with common computer applications (local synchronization) and make backups of data.

Without using the Sony Ericsson PC Suite you can synchronize your phone over a mobile

network with a remote server (remote synchronization).

Tip *For contacts, calendar entries and tasks there is another backup possibility — to copy these to and from the Media memory. See the respective section in this User guide for more information.*

Local synchronization

Local synchronization is between your phone and a connected computer. Email, contacts, calendar events, tasks, notes (text only), and browser bookmarks can be synchronized this way.

Note: *The Sony Ericsson PC Suite must be installed on the computer and the chosen connection method must have been set up in the phone, see Connections on page 71.*
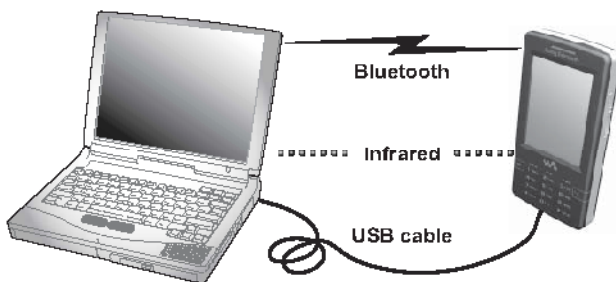
To synchronize, connect your phone to the computer using a USB, Bluetooth or infrared connection.

Note: *If you are using a USB connection, select the **Normal mode** setting.*

On the computer, select **Start > Programs > Sony Ericsson > Sony Ericsson PC Suite for Smartphones** to open the Sony Ericsson PC Suite. In the **File** menu, select **Sync Manager.**

Synchronization settings

In the **Sync Manager** window, select **Settings** to define what is to be synchronized and how.

Note: *When synchronizing bookmarks, bookmarks in the computer are synchronized with bookmarks in the Unfiled folder in the phone. If you have created your own bookmark folders, or subfolders to the Unfiled folder, the contents of these will not be synchronized.*

Starting synchronization

In the **Sync Manager** window, select **Synchronize now** to start synchronizing. After each synchronization, you can view the results by displaying the summary.

Backing up data

Use the Sony Ericsson PC Suite to make backups of phone data. Your backups are stored on the computer and can later be restored to the phone. Make backups on a regular basis, and always before having the

phone upgraded since upgrading clears all the user data.

Note: *Even copyright-protected files are included when backing up data, but the access keys to such files are not. If you, for example, make a Master Reset after a backup you will lose any access keys you have received. You will then have to reorder these keys (and pay for them once again) to be able to use the files.*

Restoring data

To restore phone data, select **Backup Manager** as when making a backup, but select the restore option instead. You can restore data manually or have a wizard assist you.

Important: *All the phone data is overwritten during the restore process. You may damage your phone if you interrupt the process.*

Remote

synchronization

Remote synchronization is between your phone and a synchronization server on the Internet or an intranet. This is a way to keep your phone synchronized while on the move. To set up and start remote synchronization, go to **Tools > Remote sync**.

Synchronization services may be offered by mobile operators, third-party service providers or as added capability to corporate applications for personal information management (PIM). Typically, calendar events, tasks, contacts, email, browser bookmarks, and notes (text only) can be synchronized remotely. See the Web guide for more information.

Setting up Internet, email and MMS

With your phone you can access the Internet, send and receive email, and send and receive MMS messages. To do this you need to set up Internet, email and MMS accounts.

You need to set up an Internet account with an an Internet Service provider (ISP) to do any of the following:

- Access the Internet.
- Send and receive email messages.
- Send and receive MMS messages.
- Set up and use a Virtual Private Network (VPN).

Setting up accounts automatically

The most convenient way of setting up your accounts is to use the Internet and Email wizards provided in your phone.

Note: *Normal rates apply when the Internet and Email wizards connect to the Internet.*

Using the Internet wizard

With this wizard you can automatically set up the accounts required by applications that require connection to the Internet.

Note: *If your phone has predefined settings you may not need more settings. Contact your network operator for more information.*

You can use Internet wizard if your SIM card supports the service and your phone is connected to a network.

The Internet wizard is launched when:

- You start the phone the first time. The wizard is launched immediately after the language selection dialog.
- You start the phone and the SIM card is changed since last time.
- You try to use Email wizard without having an Internet account.
- You select *Internet wizard* in *Tools > Control panel > Connections*.

Internet wizard starts with a *Welcome* message and you select *Accept* to continue with the settings. If the wizard finds more than one possible operator you will be asked to select the most appropriate one. A message is displayed when the settings are successfully downloaded.

Note: *When using Internet wizard, your phone is registered at Sony Ericsson but no personal data is transferred to or processed by Sony Ericsson.*

Using the Email wizard

The email wizard is an online service which sets up email accounts.

Select *Set up email* in standby view or *Tools > Control panel > Messaging > Email wizard* and follow the instructions that appear.

Using auto setup messages

A convenient way of setting up an account if you are not able to use the Internet and Email wizards is to ask your service provider to send you an auto setup message. Contact your service provider to find out if such a service is available. You can also visit *www.sonyericsson.com/support* where you find setup wizards that can configure accounts with many of the major service providers.

You will find the auto setup messages in *Messaging > Messages > Inbox*. To start an auto setup, select the message and follow the instructions on the screen.

Setting up accounts manually

From your service provider, you should have received all the details about the accounts that you have to enter, for example the email account names and passwords before setting up. You can find detailed account parameter descriptions in the Web guide available on the Internet on *www.sonyericsson.com/support*.

Setting up Internet manually

There are three types of Internet accounts:

- **Data** – uses a packet data connection, either on a 3G or a GSM/GPRS network. You are charged for the amount of data you download or send.
- **Dial up (CSD or HSCSD)** – establishes a circuit-switched data connection. You are charged for the length of time you are connected to the Internet.
- **Bluetooth PAN** – uses a Bluetooth Personal Area Network profile to connect to a device (for example a computer) that is connected to the Internet.

To enter the details manually, or to edit an existing account, select *Tools > Control panel > Connections > Internet accounts*.

Setting up email manually

Before you make the email settings you must have a connection to the Internet.

The email account you wish to set up must support the POP3 or IMAP protocol for receiving email, and the standard SMTP protocol for sending email.

Web-based email services cannot be handled by Messaging. Use the Internet browser to access such services.

To enter the details manually, or to edit an existing account, select *Tools > Control panel > Messaging settings > Email accounts*.

Setting up MMS manually

To set up MMS manually, first create an Internet account for MMS, and then proceed with the actual MMS settings. To edit existing MMS accounts, follow the same procedure.

Control panel

Tools > Control panel is the location for all the main settings on your phone that are system-wide and often affect more than one application. This is where you go to initially set up your phone, and to change the settings at any point after that.

Note: *Some settings can be locked or hidden by your operator.*

Call settings

Accept calls

Select *Tools > Control panel > Call settings > Accept calls* to specify who should be able to reach you, and who should not, by setting the accepted callers.

Controls tab

Specify whether your phone should reply by sending busy signal or by hanging up.

Accept calls from menu

All callers – everyone calling you can reach you.

Listed callers only – only persons (phone numbers) that you have entered in the accepted callers list can reach you.

Contacts – only persons in Contacts can reach you.

Speed dial – only contacts from your Speed contacts can reach you.

No-one – no one can reach you.

List tab

Make a list of accepted callers. Select *Add* and then select callers from *Contacts*, or enter a name and a number.

Add to Contacts

Select *Tools > Control panel > Call settings > Add to Contacts* and mark the check box if you want to be asked to save a new contact every time a new number is used or received.

Calling cards

With a calling card account, your calls go via a calling card server. This means that your phone can act as a corporate telephone. Since your calls will then go through a private company switchboard, PABX features, services such as conference calls, will be available.

Select *Tools > Control panel > Call settings > Calling cards* to make the settings.

Enter the phone lock code (the default phone lock code is 0000) and make the following settings:

- *Calling card mode* – select how to use the selected calling card.
- *Calling cards* – a list of your calling cards.
- *Active card* – set the active calling card.

Please consult your calling card supplier for more details.

Creating a new calling card

Select *New* and enter the following account information.

Access tab

Name – enter a name for the calling card account.

Access number – enter the phone number of the calling card server.

Verification code – enter the verification code.

International prefix – enter the international prefix used by the server.

Set up tab

Sending order – select if the phone number or verification code should be sent first.

Delay for number/code – set the time the phone should wait before it sends the number or code.

Use direct access number – if marked, you are allowed to use a direct access number, if the calling card is a PBX type.

Call waiting

You can choose if you want the phone to alert you when you receive an incoming call during an ongoing call.

Select *Tools > Control panel > Call settings > Call waiting* and set this option to *On/Off*.

If ALS (two lines on the SIM card) is available, you can set this option to *On/Off* on two separate voice lines.

The settings are made in the network. Select *More > Refresh* to receive the current settings.

Divert calls

The phone can divert incoming calls (voice and data & fax calls) to another number if you

are busy, not reachable or do not reply. You can also choose to divert all calls.

Select *Tools > Control panel > Call settings > Divert calls* and choose which type of calls should be diverted and where to divert them.

Divert options

Lookup in Contacts – select an entry from Contacts.

Enter number – enter a phone number to be used for diverting calls.

Off – your incoming calls will not be diverted.

All the divert settings are made in the network. Select *More > Refresh* to receive the current settings.

Flag Call

This feature allows you to reject a call and get a reminder to follow it up later. Select *Tools > Control panel > Call settings > Flag call* to enable the feature. If the feature is enabled and you reject a call, you will be prompted to set up a reminder to follow it up after a predefined delay that you can choose.

Handsfree

Select *Tools > Control panel > Call settings > Handsfree* to set how to answer to an incoming call when handsfree equipment is connected.

Answering mode

Normal – answer calls as normal.

Any key – press any key on the keypad to answer.

After 5 seconds – the phone answers automatically after five seconds.

Always route answered calls to Bluetooth – mark the check box to route answered calls to a Bluetooth headset.

Reject with SMS

If for some reason you want to reject a call, for example during a meeting, you can set up the phone to send an SMS with a predefined message to the calling party.

Select *Tools > Control panel > Call settings > Reject with SMS* to make the settings. When the feature is enabled and you reject a call, you will be asked whether you want to send an SMS text message.

Restrict calls

This feature allows you to enable or disable certain types of calls, for example international calls. You need a special PIN code from your operator to make the settings in *Tools > Control panel > Call settings > Restrict calls*.

Show or hide number

You can choose whether you want the called party to see your phone number. Select *Tools > Control panel > Call settings > Show or hide number* to make the settings. Marked *Network default* leaves the decision to the network.

TTY Settings

You can enable the use of a teletype writer; an aid for deaf and speech-impaired people. Connect the TTY device to the accessories connector at the base of the phone.

Voice control

You can dial and receive calls by using voice commands. Select *Tools > Control panel > Call settings > Voice control* to make the settings.

Recording voice commands

Before you can make any settings in this dialog, you must previously have recorded the voice command words for *answer, busy,* and the *magic word.*

The magic word is a word you must say before the command words, so that the phone "starts listening" for the command. Choose a long unusual word, which can easily be distinguished from ordinary background speech.

Select *More > Edit > Record* to record a highlighted voice command. Select *More > Edit > Play* to listen to a highlighted command. The icon next to a word indicates that a voice command has been recorded and stored.

Voice control settings

Portable handsfree – voice control, with a handsfree kit connected.

Portable car – voice control, with a car kit connected.

Voice answer – answer by voice control (recorded words for "answer" and "busy").

Play caller name – the phone plays the recorded name of the calling party, if it is stored in Contacts.

Voicemail

Select *Tools > Control panel > Call settings > Voicemail* and enter the number your phone will call to access the voicemail server. Your voicemail is a service provided by your operator, and works as your private "answering machine".

ALS settings))

ALS (Alternate Line Service) means that you have two separate lines (two phone numbers) on your SIM card.

Call meter))

Select *Control panel > Call settings > Call meter* to make the Call meter settings.

This service (also called Advice of Charge, or AoC, by some operators) makes it possible to:

- Keep track of the cost of calls.
- Automatically stop outgoing chargeable calls, if a certain credit limit has been exceeded.

Call meter has two tabs, *Credit* and *Tariff*.

Credit tab

Your setting options on this tab are:

- *Limited credit* – if you mark the check box, all your outgoing chargeable calls will be stopped if the set credit limit has been exceeded. Unmarked check box means unlimited credit, and the call cost is displayed on the screen during a call.
- *Remaining credit* – you can edit this field and set a credit limit. If a credit limit is set, the remaining credit is displayed on the screen during a call.

Tariff tab

Your setting options on this tab are:

- *Display cost in* – select *Currency* or *Units.*
- *Tariff* – set a number between 0.01 and 9999999.
- *Currency* – select the currency type (three letter code).

To be saved, the settings must be followed by the entry of a valid PIN 2 code, provided by your network operator.

Connections

The connection settings control how your phone communicates with other devices.

Bluetooth wireless technology

Select *Tools > Control panel > Connections > Bluetooth* to make the Bluetooth settings and connect to other Bluetooth devices.

Note: *Only connect to trusted devices.*

For all tasks, except for a single file transfer, it is necessary to set up a permanent and trusted relationship between your phone and the other device. This is called pairing (or bonding). Paired devices are remembered by your phone so you do not need to pair with these again. This simplifies future connections and makes them secure, as paired devices have already authenticated each other.

Settings tab 🔧

This is where you make all the Bluetooth settings of your phone.

> *My phone name* – enter the name you want to be displayed when your phone is presented to other Bluetooth devices.
>
> *Bluetooth on* – activate Bluetooth connection.
>
> *Visible to other devices* – make it possible for other Bluetooth devices to find your phone.
>
> *Enable power saving* – save power by limiting the activity of your phone. Your phone will no longer accept requests for additional connections from other Bluetooth devices after a Bluetooth connection has been established, but it will still be able to discover other Bluetooth devices and request connections to them.

Devices tab 📱

This is where all devices that your phone has already paired with are listed, even if they are not within reach or enabled for Bluetooth connection for the moment.

Pairing with a device

Select *New device* to pair with a new device. The phone will then search for visible Bluetooth devices within range. To pair with one of the devices, select it in the list and enter the passcode (also called passkey) if you are asked to.

If you are pairing with a Bluetooth headset, the headset may have auto pairing functionality. This means you do not have to initiate pairing, as the headset does so when switched on. It also means you do not have to enter a passcode, but you must still confirm the pairing.

When you select a device from the list, a list of options opens:

Settings

> *Device name* – select to change the name of the device. This only affects how the device is presented in your phone.
>
> *Trust this device* – allow the device to connect to your phone without your confirmation every time.
>
> *Enable as audio* – to use the device (for example, a Bluetooth headset) in audio applications. Devices enabled for audio are listed in the audio tab, 🎧.

Bluetooth services

The services (sometimes called profiles) supported by the connected device are listed in the detail view for the device. On the 📱 tab, select the device and then select the right *Services* tab.

Audio tab 🎧

This is where all paired devices that are marked *Enable as audio* are listed. You can later disable a device for audio to prevent your

phone from accidentally transferring sound to it.

Infrared port

Select **Tools > Control panel > Connections > Infrared** to activate the infrared port.

Infrared options

Off – switch the port off.

On or **On for 10 minutes** – switch the port on.

Internet accounts

See *Setting up Internet, email and MMS* on page 65.

Mobile networks

Select **Tools > Control panel > Connections > Mobile networks** to set the way your phone should choose an available network, when you are outside your operator's coverage area. **Mobile networks** has two tabs, **Search** and **Preferred list**.

Search tab

The phone searches for a network. You can choose between **Automatic** or **Manual** search.

More menu options

Select network – start a search for a network.

New search – search for the next network in the preferred list.

GSM/3G Networks – select the type of network your phone will use.

Preferred list tab

You can set a list of preferred networks. Your phone will select the network with the highest priority that can be found.

More menu options

Add network – select a network from the list and set priority.

Delete network – delete the highlighted network.

Filter networks – set the type of networks that should be shown in the list. (**GSM, 3G** or **Both**).

Note: *Your operator may not allow you to access all available networks.*

USB

Select **Tools > Control panel > Connections > USB** to display the USB settings of your phone.

USB functionality options

Fast file transfer – use for hi-speed transfer of music, images and other files to the Media memory of the phone. Select this mode when using the computer

applications Sony Disc2Phone and Adobe Photoshop Album Starter Edition.

Normal mode – allow synchronization, backup, restore and modem usage.

Mark *Allow USB charging* to enable phone battery charging over USB. It is recommended not to use this function when you connect your phone to an un-powered USB hub, or to a device only using battery power.

Note: *During data transfer over USB, do not change the USB settings or disconnect the phone from the other device, as this may cause a data loss.*

Internet wizard

See *Using the Internet wizard* on page 65.

Device

Backlight

You can select how the display and keypad backlight should behave for handheld use and when the phone is in a car holder. The lower the brightness you choose, the longer the battery will last before it needs charging. Set the car holder levels low enough so that you sustain natural night vision.

Select *Tools > Control panel > Device > Backlight* to make the settings.

Settings tab

Auto – backlight switches on when you tap the screen, press a key or receive an incoming call. After a short time of inactivity the light switches off.

On – backlight is always on, but after a short time of inactivity it fades to the dimmed level that you can adjust on the Brightness tab.

If you have set Backlight to *On*, you can still save power by selecting *Power save enabled*. This will make the screen go blank after a period of inactivity. *Active after* determines how long after you stop using the phone the screen should go blank.

Brightness tab

Select the backlight mode and adjust the brightness with the slider or the Jog Dial.

Select *Default* to reset all light levels to the factory values.

Device management

Device management enables the remote distribution of settings for your phone, for example Internet, email, SMS and MMS. It also makes it possible to manage (list, install, update and uninstall) themes and client software on the phones. Device management is useful if an enterprise has, for example,

defined a set of standard software that should be used on all employees' phones.

To enter the settings or manage software in the phone, a device management session is set up between the phone and a device management server. The session can be initiated from the phone by you or from the server.

Device management dialog

Select *Tools > Control panel > Device > Device management*. The device management server profiles, if any, are listed. The profiles settings describe how the profile will handle the start of a Device management session and the notifications given during the session. In the device management dialog you can:

*   Initiate the phone management session by highlighting a profile and selecting *Connect*.
*   Create a new device management server profile manually by selecting *More > New profile*.
*   Initiate reconfiguration for a new operator by selecting *More > Clear ACL*. This might be necessary if your phone is already configured for another operator.
*   Edit or delete device management server profiles.

Note: *A profile may be locked by the operator. If it is, you cannot edit or delete the profile or clear ACL.*

The device management dialog consists of two tabs, the *Details* tab and the *Settings* tab. In the *Details* tab you edit details for the connection, like user name for the account on the device management server and the server ID and address. In the *Settings* tab you set the behaviour of the device management session.

Flight mode

In Flight mode, the phone's radio functions are switched off. You can still use the organizer applications.

Select *Tools > Control panel > Device > Flight mode* and choose whether you want to be prompted to choose between *Flight mode* or *Phone on* whenever you press the On/Off button.

In Flight mode the Flight mode icon ⊘ is visible in the status bar. To change mode, you can either tap this icon or, when in Phone mode, the Signal strength icon 📶 .

Location

Select *Tools > Control panel > Device > Location* to set *Current time zone* and *Zone of interest* which appear with their current time and date in the application *Time*. Select the required field and select a time zone or a city in the time zone you want to display.

Home time zone is not actually displayed in Time but makes it easier to reset your current time zone when you return home.

Location menu options

Set updates – when you travel across time zones, your phone can receive information from the network and automatically set the clock to show the local time.

Number formats

Select *Tools > Control panel > Device > Number formats* to set the format used to display distances, decimal separator, thousands separator, currency and symbol position. The default values depend on the language you have selected.

Screen saver

Select *Tools > Control panel > Device > Screen saver* to select a screen saver. You can select the default screen saver, a picture or a folder of pictures to be used as a slide show.

Sounds & alerts

Ringtones

Select *Tools > Control panel > Device > Sounds & alerts > Ringtones* to choose ringtones for incoming voice and data & fax calls in the drop-down menus. Tap and drag the volume slider, or rotate the Jog Dial, to adjust the ringtone level. To preview a sound tap ♫. If you select *Increasing ring* the ringtone will start out low and gradually increase in volume.

You can further personalize your phone by assigning different ringtones to different contacts, see *Adding a personal ringtone to a contact* on page 39.

Message alerts

Select *Tools > Control panel > Device > Sounds & alerts > Message alerts* to select sounds to be played when you get different kinds of messages. If you select *Display notification*, a dialog will be displayed on the screen when a message arrives.

Alarms

Select *Tools > Control panel > Device > Sounds & alerts > Alarms* to select sounds and adjust the volume for calendar and clock alarms. Alarms require that the phone is turned on. If you want to hear alarms but not be disturbed by incoming calls or messages, set the phone in Flight mode.

Vibrating alerts

Select *Tools > Control panel > Device > Sounds & alerts > Vibrating alerts* and then

select for which events the phone should vibrate. *On if silent* means the phone will vibrate only when it has been set to silent mode. For more information, see *Silent mode* on page 20

Buttons & screen

Select *Tools > Control panel > Device > Sounds & alerts > Buttons & screen* and then select sounds for when you press keys and buttons and tap the screen.

Equalizer

The equalizer changes the frequency balance of the sound from the Media player. Select *Tools > Control panel > Device > Sounds & alerts > Equalizer* to make the settings. The drop-down menu contains presets for different music genres. Mega Bass™ is a setting that provides more powerful bass tones regardless of volume.

Storage wizard

See *Storage wizard* on page 58.

Text input

Select *Tools > Control panel > Device > Text input* to do the following:

- Change the settings in the text options menu of the text entry applications, see *Text Entry* on page 15.

- Select and set up text input software.

Input mode – your settings options are:

- *Handwriting & multitap* – activate software for handwriting recognition (and changes keypad input to Multitap.)
  The JotPro software is delivered with the phone and is default. You may install third party handwriting recognition software and if the software has a setup option you will be able to access it through *Setup* in the *More* menu.

- *Keypad prediction* – activate keypad prediction functionality, see *Keypad prediction* on page 16.

- *None* – deactivate handwriting recognition software and keypad prediction functionality.

Word suggestions – enable/disable the word suggestions list, see *Word suggestions and Next word suggestions* on page 17. If enabled it is applicable to all text entry methods.

Next word suggestions – enable/disable the next word suggestions list, see *Word suggestions and Next word suggestions* on page 17. If enabled it is applicable to all text entry methods.

Language dictionaries – select 1st and 2nd choice for the prediction dictionary.

Auto capitalization – switch Auto capitalization on and off.

On-screen keyboard – select this if you want the on-screen keyboard to be

available. Select *Setup* in the *More* menu to select language for the keyboard layout.

Themes

With themes you can personalize your phone. Themes control, for example, the colour of the screen and the text, the icons, the wallpaper and the skins. Themes also include a set of sounds to use as ringtones and SMS and MMS alerts.

Select *Tools > Control panel > Device > Themes* to choose a theme from a list and view it. To apply a theme, highlight it and choose *Select*.

Using the *More* menu you can delete or send a theme. It is not possible to delete a theme that is currently in use or is predefined.

Note: *Copyright-protection may prevent content from being copied, modified or transferred. If a file is copyright-protected, or if an access key has expired or is unavailable, an icon is displayed by the file name.*

Time & date

Select *Tools > Control panel > Device > Time & date* to set the current time and date. You can also select the date and time format. Select the required field and make the settings.

Time & date menu options
Set updates – when you travel across time zones, your phone can receive information from the network and automatically set its clock to show the local time.

Set workdays – specify the workdays and the first day of the week.

User greeting

Select *Tools > Control panel > Device > User greeting* to choose whether you want a user greeting to be displayed every time the phone is turned on. The maximum number of characters that can be entered is 32.

Wallpaper

Select *Tools > Control panel > Device > Wallpaper* to set a background picture for the standby view. Select *Replace* and browse to the picture you want to use. Use the slider to adjust the size of the image.

Wallpaper menu options
Remove picture – remove the background picture.

Picture from theme – select a picture from a theme.

Tile – mark the check box to fill the screen with additional copies of the chosen image.

Messaging settings

Area information 🔊

Area information messages are text messages broadcast to all subscribers in a network area, for example information from your service provider or weather reports. This is an service provider-dependant service. Using the settings described below, you can subscribe to and activate different information channels.

Select *Tools > Control panel > Messaging > Area information* and enter the settings.

Email accounts

See *Setting up Internet, email and MMS* on page 65.

MMS accounts

See *Setting up Internet, email and MMS* on page 65.

SMS

Select *Tools > Control panel > Messaging > SMS account* to set up text messaging, SMS and EMS.

Wap push 🔊

Select *Tools > Control panel > Messaging > Wap push* to set the way your phone handles incoming Wap push service loading messages.

WAP push

> *Automatically* – select this to always have a service loading message received and the subscribed content loaded automatically in the Web browser if possible. If the browser is not available a notification is given.
>
> *Always ask* – select this to be notified that a service loading is available for loading. Service indication messages also give a notification.
>
> *Never* - All Wap push service loading messages are ignored.

Email wizard 🔊

See *Using the Email wizard* on page 66.

Security

Certificate manager and Java™ certificates

Digital certificates are used to verify the origin of the Web pages you visit or any software you install. Select *Tools > Control panel > Security > Certificate manager* to view

current Certificate Authority certificates and your user certificate in your phone. Select *Tools > Control panel > Security > Java certificates* to view the current Java certificates. The certificates have been created and issued by an independent organization that ensures their authenticity.

Locks

The phone has four security locks that you can set from the control panel by selecting *Tools > Control panel > Security > Locks*.

Phone lock

This is a lock code that you can use to protect your phone from unauthorized use. When you start the phone for the first time, the lock code is 0000, but you can change it to any four-to-eight digit code in the *Locks* menu. Your *Phone lock* setting options are:

- *At power on* – you will be requested to enter the code every time you turn the phone on.
- *Off* – the lock is turned off; no code will be requested.
- *When SIM changed* – the code will only be requested if the SIM card has been changed.

SIM card lock

Your PIN (Personal Identification Number) code consists of four to eight digits and is used to protect your SIM card against unauthorized use. It is needed for the access of the SIM card. You get it from your operator with the SIM card, but you can change it in the *Locks* menu. Your *SIM card lock* setting options are:

- *At power on* – you will be requested to enter your PIN code every time you turn the phone on.
- *Off* – the lock is turned off; no code will be requested.

An error message informs you if an incorrect PIN code has been entered. Usually, the SIM card will be blocked after three incorrect attempts (the number of attempts is operator-dependent). To unblock the SIM card you must use your PUK code.

The PUK code consists of eight digits. When you have entered the right PUK code you must enter a new PIN code. You have ten attempts to enter the PUK code. If all ten attempts fail, the SIM card will be unusable and you need to contact your operator. You cannot change the PUK code.

The PIN2 code
Some special SIM card services, such as Call meter and Fixed Numbers, can be protected by

a secondary code feature, the PIN2 code. The code properties are:

- **PIN2** cannot be disabled, but the four-to-eight digit code can be changed in the **Locks** menu.
- **PIN2** will be blocked after three incorrect attempts. To unblock the code, a PUK2 code must be entered.
- After 10 unsuccessful PIN2 unblocking attempts, the card can still be used, but access to the PIN2-protected SIM features is permanently barred.
- Not every SIM card has a PIN2 lock.

Inactivity lock

If you mark the **Inactivity lock** check box and enter the requested **Phone lock** code, this lock will be activated. It protects the screen from accidentally being pressed. The screen will automatically become locked after a 60-second period of inactivity. To open it, touch any key to bring up a dialog where you must enter the **Phone lock** code.

Automatic keylock

If you mark the **Automatic keylock** check box, the keypad becomes automatically locked after a period of inactivity. This is to prevent you from accidently pressing any key. To unlock the key lock, press and hold the back button on the side, or select ✳a/A⌐o > **Unlock**.

MIDlet settings

A MIDlet suite is a Java application package. Sometimes MIDlets may want to initiate actions that require your permission. This could be actions such as:

- Opening a connection.
- Automatically starting the MIDlet in response to an incoming connection.
- Sending an SMS.

A **MIDlet permission request** dialog is displayed where you allow or deny the request, perhaps because they involve privacy or network charges.

Select **Tools > Control panel > Security** to access the two applications where you enter MIDlet settings in the phone; **MIDlet accounts** and **MIDlet permissions**.

MIDlet accounts

A MIDlet Suite can be tied to a certain Internet account. In **MIDlet accounts** the currently installed MIDlet Suites are listed. You can change the Internet account of a MIDlet Suite by selecting it and choosing between the Internet accounts and VPN accounts that are set up in the phone.

MIDlet permissions

In **MIDlet permissions** you have the possibility to set the conditions under which a

request will be raised in your phone when a MIDlet Suite wants to initiate a certain action. You can change a MIDlet Suite permission by selecting it and modifying the *User Permissions* and how you wish the phone to respond to that user permission, the *Interaction mode*.

VPN accounts

Virtual Private Network (VPN) is a secure way to provide access to an organization's network via the Internet. Select *Tools > Control panel > Security > VPN Accounts* to create a VPN account.

Other

Format disk

See *Formatting the Media memory* on page 58.

Install

See *Installing applications* on page 58.

Language

Select a language from the list to change the language in your phone. The language currently in use is highlighted. You can delete all languages except English.

To conserve storage space only a limited set of languages is loaded on your phone at delivery. When you select one of the languages from the list the unused languages in the set are deleted from the memory of your phone. You can download additional languages from *www.sonyericsson.com/support*.

Master reset

Use *Master reset* to reset your phone.

Important: *All user data, as well as pre-installed media files and application data files (including, for example, backgrounds, ringtones and pictures) on the Phone memory, will be deleted and settings will be set to the state they were after you selected the language. The selected local language will be restored.*

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

Tip *The files on the Media memory will not be deleted. See File manager on page 57 about copying files to the Media memory before starting Master reset.*

If you have backed up your user data, you can restore it from the backup, see *Restoring data* on page 64.

You can restore media files and application data files from *www.sonyericsson.com/support*.

Setup wizard

The Setup wizard is normally run the first time you start your phone. It guides you through basic phone settings and shows some useful tips. Setup wizard can also be accessed from **Tools > Control panel > Other > Setup wizard** at any time. When opened from Control panel, the Setup wizard will also include a step to calibrate the screen.

Uninstall

See *Removing applications* on page 58.

Troubleshooting

To find suggestions for solving possible problems with your phone we advise you to visit *www.sonyericsson.com/support*. Select your Region, Location and phone to find helpful information.

Your phone also has built-in help texts. In many applications and in some dialogs, for example those where you make important settings, **Help** is available in the **More** menu.

To improve performance, you can update the software of your phone. See *Updating software* on page 13.

Note: *If you need to hand in your phone for repair, please note that you may lose information and content that you have saved in your phone. You are advised to make a copy of such information, see Backing up data on page 63.*

Important information

Sony Ericsson Consumer Web site

On *www.sonyericsson.com/support* there is a support section where help and tips are only a few clicks away. Here you find the latest computer software updates and tips on how to use your product more efficiently.

Service and support

From now on you will have access to a portfolio of exclusive service advantages such as:

- Global and local websites providing support.
- A global network of Call Centers.
- An extensive network of Sony Ericsson service partners.

A warranty period. Learn more about the warranty conditions in this user guide.

On *www.sonyericsson.com,* under the support section in the language of your choice, you will find the latest support tools and information, such as software updates, Knowledgebase, Phone setup and additional help when you require it.

For operator-specific services and features, please contact your network operator for more information.

You can also contact our Call Centers. See the phone number for the nearest Call Center in the list below. If your country/region is not represented in the list, please contact you local dealer. (The phone numbers below were correct at the time of going to print. On *www.sonyericsson.com* you can always find the latest updates.)

In the unlikely event that your product needs service please contact the dealer from whom it was purchased or one of our service partners. Save your original proof of purchase, you will need it if you need to claim warranty.

For a call to one of our Call Centers you will be charged according to national rates, including local taxes, unless the phone number is a toll-free number.

Country	Support Number	Email address in S&S Document
Argentina	800-333-7427	questions.AR@support.sonyericsson.com
Australia	1-300 650 050	questions.AU@support.sonyericsson.com
Austria	0810 200245	questions.AT@support.sonyericsson.com

Country	Support Number	Email address in S&S Document
Belgium	02-7451611	questions.BE@support.sonyericsson.com
Brazil	4001-0444	questions.BR@support.sonyericsson.com
Canada	1-866-766-9374	questions.CA@support.sonyericsson.com
Central Africa	+27 112589023	questions.CF@support.sonyericsson.com
Chile	123-0020-0656	questions.CL@support.sonyericsson.com
China	4008100000	questions.CN@support.sonyericsson.com
Colombia	18009122135	questions.CO@support.sonyericsson.com
Croatia	062 000 000	questions.HR@support.sonyericsson.com
Czech Republic	844 550 055	questions.CZ@support.sonyericsson.com
Denmark	33 31 28 28	questions.DK@support.sonyericsson.com
Finland	09-299 2000	questions.FI@support.sonyericsson.com
France	0 825 383 383	questions.FR@support.sonyericsson.com
Germany	0180 534 2020	questions.DE@support.sonyericsson.com
Greece	801-11-810-810 210-89 91 919 (from mobile phone)	questions.GR@support.sonyericsson.com
Hong Kong	8203 8863	questions.HK@support.sonyericsson.com
Hungary	+36 1 880 47 47	questions.HU@support.sonyericsson.com
India	1800 11 1800 (Toll free number) 39011111 (from mobile phone)	questions.IN@support.sonyericsson.com
Indonesia	021-2701388	questions.ID@support.sonyericsson.com
Ireland	1850 545 888	questions.IE@support.sonyericsson.com
Italy	06 48895206	questions.IT@support.sonyericsson.com
Malaysia	1-800-889900	questions.MY@support.sonyericsson.com

Country	Support Number	Email address in S&S Document
Mexico	Por teléfono: Llámanos al siguiente número: 01 800 000 4722 (llamada nacional sin costo) > Ver todos los números mundiales	questions.MX@support.sonyericsson.com
Netherlands	0900 899 8318	questions.NL@support.sonyericsson.com
New Zealand	0800-100150	questions.NZ@support.sonyericsson.com
Norway	815 00 840	questions.NO@support.sonyericsson.com
Philippines	02-6351860	questions.PH@support.sonyericsson.com
Poland	0 (prefix) 22 6916200	questions.PL@support.sonyericsson.com
Portugal	808 204 466	questions.PT@support.sonyericsson.com
Romania	(+4021) 401 0401	questions.RO@support.sonyericsson.com
Russia	8(495) 787 0986	questions.RU@support.sonyericsson.com
Singapore	67440733	questions.SG@support.sonyericsson.com
Slovakia	02-5443 6443	questions.SK@support.sonyericsson.com
South Africa	0861 632222	questions.ZA@support.sonyericsson.com
Spain	902 180 576	questions.ES@support.sonyericsson.com
Sweden	013-24 45 00	questions.SE@support.sonyericsson.com
Switzerland	0848 824 040	questions.CH@support.sonyericsson.com
Taiwan	02-25625511	questions.TW@support.sonyericsson.com
Thailand	02-2483030	questions.TH@support.sonyericsson.com
Turkey	0212 47 37 777	questions.TR@support.sonyericsson.com
Ukraine	(+380) 44 590 1515	questions.UA@support.sonyericsson.com
United Arab Emirates	43 919880	questions.AE@support.sonyericsson.com
United Kingdom	08705 23 7237	questions.GB@support.sonyericsson.com
United States	1-866-766-9374	questions.US@support.sonyericsson.com
Venezuela	0-800-100-2250	questions.VE@support.sonyericsson.com

Guidelines for safe and efficient use

.Please read this information before using your mobile phone.
These instructions are intended for your safety. Please follow these guidelines. If the product has been subject to any of the conditions listed bellow or you have any doubt of the proper function make sure to have the product checked by certified service partner before charging or using it. Failure to do so might lead to risk for product malfunction or even a potential hazard to your health.

Important: *To avoid hearing impairment when you answer calls, lower the volume before placing the phone to your ear.*

Recommendations for safe use of product (mobile phone, battery, charger and other accessories)

- Always treat your product with care and keep it in a clean and dust-free place.

WARNING! *May explode if disposed of in fire.*

- 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 the battery to temperatures above +60°C (+140°F).

- 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.
- Do not attempt to disassemble or modify your product. Only Sony Ericsson authorised personnel should perform service.
- Do not use your product near medical equipment without requesting permission.
- Do not use your product when in, or around aircraft, or areas posted "turn off two-way radio".
- Do not use your product in an area where a potentially explosive atmosphere exists.
- Do not place your product or install wireless equipment in the area above your car's air bag.
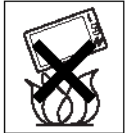
CHILDREN

KEEP OUT OF CHILDRENS REACH. 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.

Power supply (Charger)

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.

Use only Sony Ericsson branded original chargers intended for use with your mobile phone. Other chargers may not be designed to the same safety and performance standards.

Battery

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

Use only Sony Ericsson branded original batteries intended for use with your mobile phone. Using other batteries and chargers could be dangerous.

The talk and standby times depend on several different conditions such as signal strength, operating temperature, application usage patterns, features selected and voice or data transmissions when using the mobile phone.

Turn off your mobile phone before removing the battery. Do not allow the battery to be put into the mouth. Battery electrolytes may be toxic if swallowed. Do not let the metal contacts on the battery touch another metal object. This could short-circuit and damage the battery. Use the battery for the intended purpose only.

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 your physician and the manufacturer of the device.

Driving

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

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.

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

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 in all areas, on all cellular networks, or when certain network services and/or mobile phone features are in use. Check with your local service provider.

Antenna

This phone contains a built in antenna. Use of antenna devices not marketed by Sony Ericsson specifically for this model could damage your mobile phone, reduce performance, and produce SAR levels above the established 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.

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.

For phones sold in the U.S., before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (that is, at the ear and worn on the body) as required by the FCC for each model. For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when the handset is positioned a minimum of 15 mm from the body without any metal parts in the vicinity of the phone or when used with the original Sony Ericsson body worn accessory intended for this phone. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

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*.

Accessible Solutions/Special Needs

For phones sold in the U.S., you can use your TTY terminal with your Sony Ericsson mobile phone (with the necessary accessory). For information on Accessible Solutions for individuals with special needs call the Sony Ericsson Special Needs Center at 877 878 1996 (TTY) or 877 207 2056 (voice), or visit the Sony Ericsson Special Needs Center at *www.sonyericsson-snc.com*.

Disposal of old electrical & electronic equipment

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Disposing of the battery

Please check local regulations for disposal of batteries or call your local Sony Ericsson Call Center for information.
The battery should never be placed in municipal waste. Use a battery disposal facility if available.

End User Licence Agreement

This wireless device, including without limitation any media delivered with the device, ("Device") contains software owned by Sony Ericsson Mobile Communications AB and its affiliated companies ("Sony Ericsson") and its third party suppliers and licensors ("Software").

As user of this Device, Sony Ericsson grants you a non-exclusive, non-transferable, non-assignable license to use the Software solely in conjunction with the Device on which it is installed and/or delivered with. Nothing herein shall be construed as a sale of the Software to a user of this Device.

You shall not reproduce, modify, distribute, reverse engineer, decompile, otherwise alter or use any other means to discover the source code of the Software or any component of the Software. For avoidance of doubt, you are at all times entitled to transfer all rights and obligations to the Software to a third party, solely together with the Device with which you received the Software, provided always that such third party agrees in writing to be bound by these rules.

You are granted this license for a term of the useful life of this Device. You can terminate this license by transferring all your rights to the Device on which you have received the Software to a third party in writing. If you fail to comply with any of the terms and conditions set out in this license, it will terminate with immediate effect.

Sony Ericsson and its third party suppliers and licensors are the sole and exclusive owner of and retain all rights, title and interest in and to the Software. Sony Ericsson, and, to the extent that the Software contains material or code of a third party,

such third party, shall be entitled third party beneficiaries of these terms.

The validity, construction and performance of this license shall be governed by the laws of Sweden. The foregoing shall apply to the full extent permitted by, when applicable, statutory consumer rights.

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 Call Center (national rates may apply) or visit *www.sonyericsson.com/support* 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.

Please note that some of your personal settings, downloads or other information may be lost when your Sony Ericsson Product is repaired or replaced. At present Sony Ericsson may be prevented by applicable law, other regulation or technical restrictions from making a backup copy of certain downloads. Sony Ericsson does not take any responsibility for any lost information of any kind and will not reimburse you for any such loss. You should always make backup copies of all the information stored on your Sony Ericsson Product such as downloads, calendar and contacts before handing in your Sony Ericsson Product for repair or replacement.

Conditions

1. The warranty is valid only if the original proof of purchase issued to the original purchaser by a Sony Ericsson authorised dealer, specifying the date of purchase and serial number**, for this Product, 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, software or hardware modification or adjustment, acts of God or damage resulting from liquid. A rechargeable battery can be charged and discharged hundreds of times. However, it will eventually wear out – this is not a defect. When the talk-time or standby time is noticeably shorter, it is time to replace your battery. Sony Ericsson recommends that you use only batteries and chargers approved by Sony Ericsson. Minor variations in display brightness and color may occur between phones. There may be tiny bright or dark dots on the display. These are called defective pixels and occur when individual dots have malfunctioned and can not be adjusted. Two defective pixels are deemed acceptable. Minor variations in camera image appearance may occur between phones. This is nothing uncommon and is not regarded as a defective camera module.

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 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.

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.

*EUROPEAN UNION (EU)

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 Call Center. 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.

Bluetooth wireless technology

Bluetooth Qualified Design ID is B011112.

Declaration of Conformity

We, **Sony Ericsson Mobile Communications AB** of
Nya Vattentornet
S-221 88 Lund, Sweden
declare under our sole responsibility that our product
Sony Ericsson type FAD-3022013-BV
and in combination with our accessories, to which this declaration relates is in conformity with the appropriate standards 3GPP TS 51.010-1,

EN 301908-1, EN 300328, EN 301489-7, EN 301489-17, EN 301489-24, EN 60950, following the provisions of Radio Equipment and Telecommunication Terminal Equipment directive **99/5/EC** with requirements covering EMC directive **89/336/EEC**, and Low Voltage directive **73/23/EEC.**

Lund, August 2006 $C \in 0682$

Shoji Nemoto
Head of Product Business Unit GSM/UMTS

We fulfil the requirements of the R&TTE Directive **(99/5/EC)**.

Technical data

General

Size	106 x 54 x 15 mm
Weight	112 g with battery
Battery type and capacity	BST-33, 900 mAh
System and power class	E-GSM 900 Class 4 GSM 1800 Class 1 GSM 1900 Class 1 UMTS 2100 Class 3
Operating system	Symbian OS v9.1 with UIQ 3.0 user interface and applications environment
Internal user storage	Up to 60 MB user data on Phone memory plus 4 GB on Media memory

Connectivity

Cable	Fast port USB 2.0 compliant, high speed (480 Mbps)
Bluetooth™ wireless technology	This product is manufactured to comply with the Bluetooth specification 2.0
Infrared	IrDA-SIR and IrObex supported

Media formats

Image	BMP (.bmp), GIF (.gif, including animated), JPEG (.jpg), MBM (.mbm), PNG (.png), WMBMP (.wbm)
Audio	3GPP (.3ga), AAC-LC (.aac/.m4a), AAC+ (.aac), E-AAC+ (.aac), AMR-NB (.amr), AU (.au), iMelody (.imy), MIDI (.mid), SP-MIDI (.mid), MP3 (.mp3), MP4 (.m4a), Beatnik (.rmf), WAV (.wav), Windows Media Audio (.wma), XMF (.mxmf), DLS, Real Audio (.ra), M3U playlists
Video	3GPP (.3gp), MP4 (.mp4), Real Media (.ram, .rm), Windows Media Video (.wmv)

FM radio

Frequencey range	87.5-108.0 MHz

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