

P990i

User Guide

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User Guide

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Note Some of the services in this User Guide are not supported by all networks. This also applies to the GSM International Emergency Number 112. Please contact your network operator or service provider if you are in doubt whether you can use a particular service or not.

Welcome

Thank you for purchasing the Sony Ericsson P990i the all-in-one entertainment phone and FDA.

Before you start to use your new phone please read these instructions carefully to enjoy maximum performance and a longer life service.

The *Getting to know your phone* chapter in this User Guide gives a quick overview of the main functions of the phone, shortcuts and general information.

The complete user documentation consists of the following parts:

- **Quick Guide** – the information needed to get you started.
- **User Guide** – an overview of the phone with detailed settings information.
- **Help in the phone** – your phone has built-in help texts that you can access with the flip open. In most applications, **Help** is available in the application menu. Some dialogs, for example, those where you make important settings, have specific Help available. To view this Help, tap .
- **Web Guide** – an up-to-date User Guide available on the Internet on www.sonyericsson.com/support. You

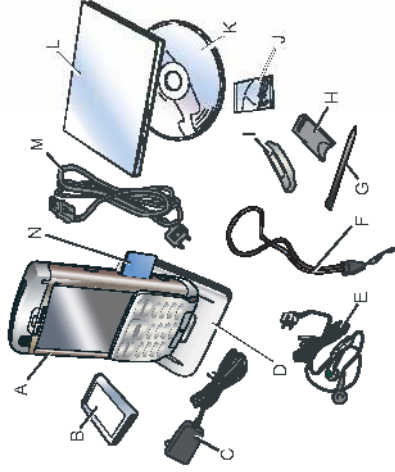
can access this from your computer or the browser on your phone.



This icon indicates that the function is network- or operator-dependent. The service may not always be available in all countries or when you are roaming. Please contact your operator for information.

Getting to know your phone

Package



A. Phone

B. Battery

C. Charger

D. Desk stand

E. Stereo headset

F. Strap

G. Extra stylus

H. Memory Stick adapter

I. Flip replacement cover

J. Flip replacement tool set

K. CD with Sony Ericsson PC Suite (in the documentation package)

L. Documentation package

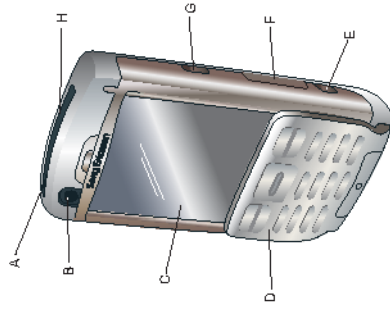
M. USB cable

N. Memory Stick PRO Duo™ inserted in the Memory Stick slot. The Memory Stick contains Try and Buy applications.

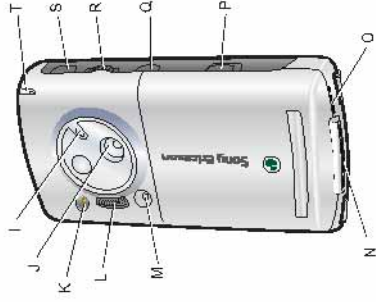
If your package does not include all the listed items above, please contact your retailer.

Note: Before you can use your phone you need to insert the SIM card, and insert and charge the battery. Always detach the charger before you insert or remove the SIM card.

Overview



- A. On/Off button
- B. Camera for video calls
- C. Screen
- D. Flip with keypad
- E. Camera button
- F. Slot for Memory Stick
- G. Internet button
- H. Infrared port



- I. Camera lens cover
- J. Camera lens
- K. External antenna connector
- L. Loudspeaker
- M. Photo light
- N. Connector for accessories and charger
- O. Microphone
- P. Key and touch screen lock slider
- Q. Back button
- R. Jog Dial
- S. Media player button
- T. Stylus

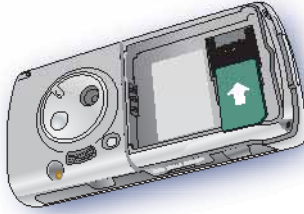
Before using your phone

SIM card

You receive your SIM card when you register with a network operator. The SIM card keeps track of your phone number, the services included in your subscription and phonebook information, among other things.

A PIN code is supplied with the SIM card and must be entered when switching on the phone for the first time.

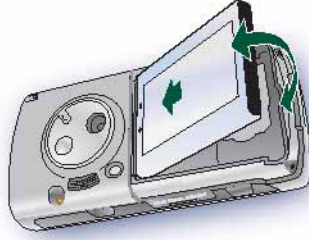
Remove the battery (if it is in place) and insert the SIM card into the SIM card holder.



Battery

To open the battery cover press it slightly on its upper part and slide it down the phone. Insert the battery and close the cover.

Before you use the phone for the first time, charge the battery for at least 4 hours. When the battery is new, or completely discharged, it may take up to 30 minutes before the battery icon appears on the screen.



Charging the battery

You need to charge the battery when the indicator light flashes red. Low battery is also indicated by a message on the screen and a beep.

Make sure the battery is inserted and connect the charger to the phone, then connect the charger to the mains. The battery is charged when the indicator light shows a steady green light and the battery icon is full.

Care instructions

Please take care of your phone and follow these advice:

- Use a moist cloth when you clean the screen.
- Only use the stylus provided to tap the screen.
- For detailed care instructions, see *Recommendations for safe use of product (mobile phone, battery, charger and other accessories)* on page 139.

First time start-up

Please read *Guidelines for safe and efficient use* on page 138 before you use your phone.

To switch on your phone press the On/Off button keeping the flip closed. Select **Phone on** when the Power menu opens.

You will be prompted to select a language. Read more about selecting and installing languages in *Language* on page 132.

The first time you start the phone you have the option to run the Setup wizard. Open the flip and follow the instructions.

Turning the phone on and off

Normal operation

When you turn the phone on you will be prompted to choose between **Phone On** and **Flight mode**. For normal operation, choose **Phone On**.

To turn the phone off, press the On/Off button and choose **Power off**.

Flight mode

If you choose **Flight mode**, the phone's radio functions are switched off. You can still use the organizer applications, and applications that use a wireless LAN connection.

Note: *If you want to use wireless LAN in Flight mode, make sure that Flight mode is enabled before you choose wireless LAN, as wireless LAN is disabled by default in Flight mode.*

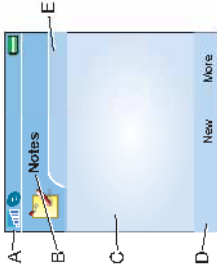
Use Flight mode where mobile phones are prohibited, such as in hospitals and aircrafts. See *Flight mode* on page 124.

Flip closed

With the keypad flip closed, your phone can be used as a conventional mobile phone, using the keypad to dial and the Jog Dial to navigate. See *Navigation* on page 15.

Screen areas

When the flip is closed, the screen is not touch-sensitive. It is divided into the following areas:

- 
- A. Status bar, containing status icons.
 - B. Application title bar.
 - C. Application area.
 - D. Selection key bar. Many options are available from the **More** menu.
 - E. Context bar.

Flip open

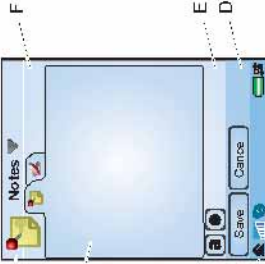
You can open the flip to reach more applications, and to continue working with any active application.

When the flip is open, the large touch-screen is revealed and the keyboard is available. To navigate menus and lists, see *Navigation* on page 15.

Screen areas

When the flip is open the screen is touch-sensitive. The screen is divided into a number of areas that are used for different purposes.

The areas and some terms are shown in the figure below:

- 
- A. Application title bar, containing the application menu.
 - B. Application area.
 - C. Status bar, containing status icons and the status bar menu.
 - D. Selection key bar.
 - E. Button bar.
 - F. Context bar, containing tabs.

Closing the flip

Closing the flip while an application is running generally ends the application and saves the data. Exceptions, among others, are voice/video phone calls, data sessions and multimedia applications, that will continue to run.

Flip removed

The flip can be removed, which makes the organizer applications easier to access. When the flip is removed, your phone works as if the flip was open.

Note: *Turn the phone off before you remove the flip to avoid to damage your phone.*

To remove and attach the flip, refer to the separate instructions.

Note: *Sorry Ericsson does not accept any liability for lost parts or product defects resulting from any disassembly or modification of the product.*

Importing phonebook entries

You can import contact information in several ways:

- Copy phonebook entries stored on your SIM card. See *Copying contacts to and from a SIM card* on page 60.
- Transfer phonebook entries from a computer application using the synchronize function. See *Synchronization and backup* on page 99.
- Beam phonebook entries from another phone using, for example, Bluetooth™ wireless technology. See *Connecting to other devices* on page 96.

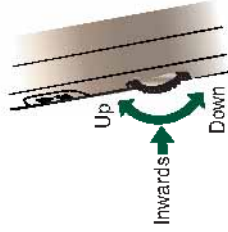
Navigation

You can navigate menus and select items in various ways. With the flip closed, you can use the Jog Dial, Back button or Back key, Navigation key, and Selection keys.

With the flip open, the Jog Dial, Back button and the stylus are accessible. There is also a handwriting recognition feature, so you can use the stylus to write on the screen.

Jog Dial

Rotate the Jog Dial to scroll lists up and down, adjust sound volume or move through a multimedia message. Press the Jog Dial inwards to select a highlighted item.



Back button

The Back button  on the side has the same functions as the Back key  on the flip, see *Keypad functions* on page 19.

Keys on the flip

The navigation keys on the flip are used when the flip is closed. See *Keypad functions* on page 19.

Stylus

The stylus is used when the flip is open. Tap the screen to navigate and select required items. You can also use it to pan multimedia pictures.

Finding the applications

Activity menu

The Activity menu is displayed whenever you switch on your phone and is the starting point for performing a variety of tasks whether you are working with the flip closed or flip open. The Activity menu is operator-dependent and is described in the *Quick Guide*.

Standby view

The standby view is the first view in the Activity menu and is shown when no application is activated. Through shortcuts in the standby view you can directly reach the most commonly used applications. You can also select the shortcut  to take you to all the applications in the Main menu.

Status bar

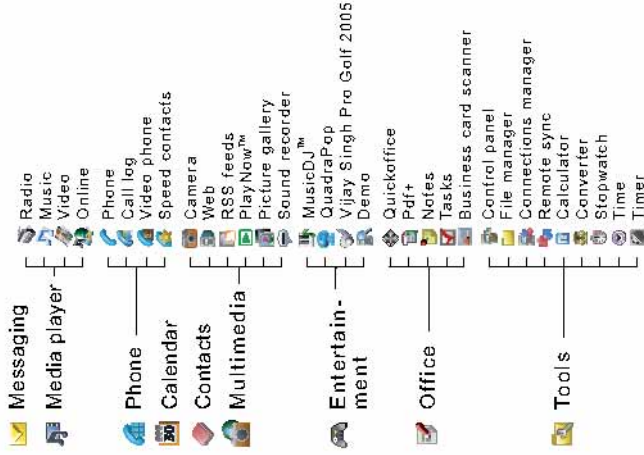
The status bar contains icons that indicate the status of the current settings and activities. See *Status bar icons* on page 20.

If you select the Status bar menu  you get access to certain settings not shown in the status bar. From the Status bar menu you can also reach the Connections

settings and some of the applications when the shortcut  is invisible.

Main menu

You can find all the phone's applications in the Main menu, which can be shown either in a list or a grid view. Applications are categorized under folders as shown in the following overview.



Using the applications

Starting an application

You have the following options in the Main menu:

- **Flip open** – rotate the Jog Dial to highlight an application. Press the Jog Dial, or tap the application icon/name, to start the application.
- **Flip closed** – rotate the Jog Dial or press  or  to highlight an application. Press the Jog Dial or press  to start the application.

Leaving an application

You can leave an application in two ways:

- Close it by using the back key or the back button. All data is saved. The next time you open the application, it will open in the base view.
- Leave it open and switch to another application using Task manager, see *Task manager* on page 18. When you switch back to it, you will return to the same view you were in when you left it.

Closing an application

- **Flip open** – from the application base view, tap  or press  on the side of the phone.
- **Flip closed** – from the application base view, press  on the keypad or .

Task manager

Task manager helps you switch between applications.

Leaving an application via Task manager rather than closing it, lets you return to the same view when you switch back to the application. This is useful, for example, when cutting and pasting text from one application to another. To open Task manager:

- **Flip open** – tap  in the status bar.
- **Flip closed** – press and hold the **More** key.

With the flip open, select the **Recent** tab. You can switch to recently used applications, or select **Main menu** and open a new application from there. You can also switch directly to any ongoing call. To switch to an application in the list, tap it or highlight it and select **Switch**. These options are also available with the flip closed.

With the flip open, you can also access some advanced features on the **Open** tab. This tab contains a list of all running applications, as well as those that are closed but still reserve memory. Highlight an application and select **End** to end the application and free up all the memory used by it. From the Task manager menu, you can sort the applications in the list by time, size or name.

Keypad and keyboard functions

Keypad functions



Navigation key

Press the navigation key up, down, left or right to move in the required direction. Press for example right to open the right tab. Press the centre to perform the command that appears on the screen just above the key or to select a highlighted item.

In this User Guide , for example, means press navigation key up.



Selection key

- The two keys are application-dependent and perform the command that appears on the screen just above the key.
- Press and hold the right selection key to bring up Task manager.



Back key

- Return to the previous screen or menu.
- Dismiss a dialog.
- Send a busy signal to a calling party. It will not end a call.
- Press and hold to return to the standby view.



Clear key

- Delete entered characters/digits one by one.
- Press and hold to delete entered words one by one.
- Delete an entry from, for example, Contacts or Calendar.
- Press and hold to mute the microphone during a call.
- Mute the ring signal during an incoming call.



Star

- Enter the character *.
- Press to switch between different input types (Abc, ABC ...).
- Press and hold to change between Predictive text and Multitap.



Hash

- Enter the character #.
- In text entry, press and hold to open the symbol selector table.
- Terminate the input of PIN and security codes.
- Retrieve a SIM card entry. Enter the memory position number (1-999) and then press .
- Press and hold to put the phone into silent mode when your phone is in standby view.



Numeric keys

- Enter digits.
- Enter associated characters or perform associated functions.
- Press and hold "1" from the standby view to initiate a call to voicemail.
- Press and hold one of the keys 2 to 9 to open Contacts. 2 highlights the entry closest to "a" and 9 the entry closest to "w".

Keyboard functions

With the flip open you can use some of the keyboard keys in all applications, not only when entering text.



Press and hold to open the virtual keypad for instant dialling.



or



Use the arrow keys for navigation within the application. Press an **arrow key**, for example, to:

- Access the next or previous tab.
- Scroll through contacts with multiple telephone numbers.

Press **ALT** + an **arrow key** to navigate up and down, for example, in lists.

Press **ALT** + **Shift/Caps** simultaneously to bring up the application menu in the open application.



In standby view, if you press and hold any character key, the Contacts list will be displayed starting with the corresponding character.

Status bar icons

Below is a selection of icons appearing in the status bar. With the flip open, you can tap an icon to get more information or start an application.

Icon Function



3G Available



Battery strength



Bluetooth headset connected



Bluetooth on



Current line selection (when Alternate Line Service available on the SIM card)



Divert all calls notification



Email notification



Flight mode



Infrared on

 Internet connection active (flashes when data is transferred)

 Key lock activated

 Missed call notification

 MMS notification

 Muted microphone

 Predictive text activated

 Ring volume set to zero

 Signal strength, packet data available

 Silent mode

 SMS notification

 SMS overflow

 Speakerphone activated

 Status bar menu

 Task manager

 Wireless LAN active



Voicemail notification

Memory Stick PRO Duo

There are Try and Buy applications that represent a wide variety of business and entertainment applications pre-stored on the supplied Memory Stick PRO Duo™. There you also find information on how to buy the applications. You can remove the pre-stored applications from the Memory Stick to free up storage space.

The Memory Stick also provides extra storage space where you can store pictures, music, applications, documents and so forth. To insert the Memory Stick, open the cover and then insert it into the slot.

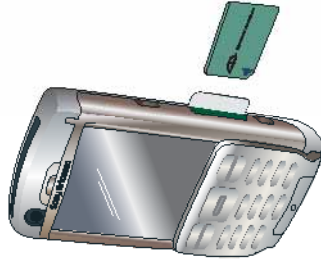
To release the Memory Stick, first press its edge inwards and then release it.

Important: *Do not remove a “busy” Memory Stick. This may cause the phone to hang or corrupt the file system on the Memory Stick.*

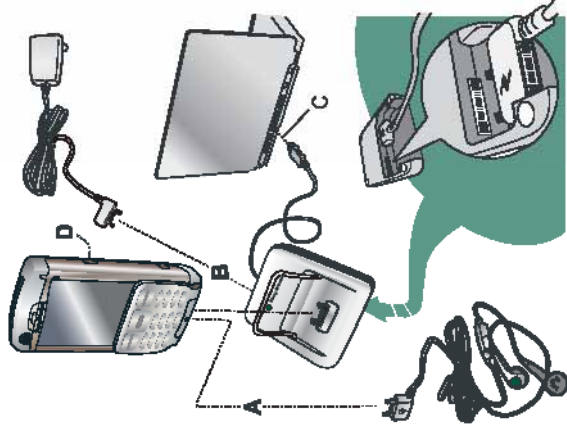
You can rename and format Memory Sticks, and also organize data to and from the Memory Stick. See *File manager* on page 93.

Memory Stick adapter

Your phone uses the shorter Memory Stick Duo or Memory Stick PRO Duo variants. Use the Memory Stick adapter when using your Memory Stick in a device equipped with a regular Memory Stick slot.



Connecting the included accessories

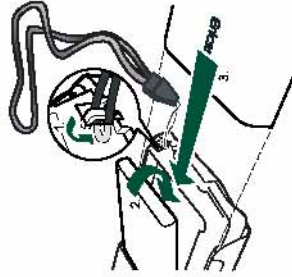


- A. Connect the headset and other accessories to the base of the phone.
- B. Connect the travel charger to the desk stand or to the base of the phone.
- C. Connect the desk stand to a USB connector on a computer.
- D. Connect the car holder antenna to the antenna connector at the rear of the phone.

Tip You can use the stylus to remove the plastic cup covering the antenna connector.

Fastening the wrist strap

The wrist wrap can be threaded through the holes next to the connector at the bottom of the phone.



Updating software

When an improved

software version for your phone is introduced, you can update it using the Sony Ericsson Update Service on www.sonyericsson.com/support. The Web page has

further instructions and will guide you through the process.

To run an update, you need a PC with an Internet connection. You also need to have the Sony Ericsson PC Suite installed and a USB connection between your phone and the PC.

General functions

Send as

From many applications it is possible to exchange items like appointments, contacts and images. Use the command **Send as** in the application menus to choose between the following transfer options:

- SMS
- MMS
- Infrared
- Bluetooth
- Email

Zooming

In most applications, you can select the Zooming option in the application menu. This allows you to zoom

pictures or change the size of the screen fonts. You can choose between Small, Medium and Large.

Help in the phone

Your phone has built-in help texts that you can access with the flip open. In most applications, **Help** is available in the application menu. Some dialogs, for example, in those where you make important settings, have specific Help available. To view this Help, tap  in the top right corner.

Organizing information

Using the Folder menu

In some applications you use folders to organize information, for example, your contacts, task entries, notes entries, or RSS feeds.

Note: *These applications have their own set of folders. A folder created in one application is not visible in another application.*

A. Folder menu.

B. **All** folder: When this is selected, entries from all folders are displayed.

Note: The **All** folder in *Contacts* does not display the entries on the SIM card.

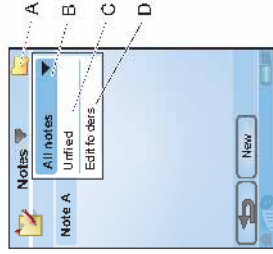
C. **Unfiled** folder: Each application has its own default folder, so if you do not create folders of your own, your items will be stored in the **Unfiled** folder.

D. **Edit folders**: Select this to rename, delete or add a new folder. You can only rename and delete folders you have created yourself. A folder can only be deleted if it is empty.

To display entries from a certain folder you select it in the folder menu. A new entry is created in the folder that is currently active in the application. You can later move an entry to another folder.

Managing your multimedia files

You can organize your media files directly in the respective multimedia application. The media folders are displayed on two tabs.



A. Phonememory tab.

B. Memory Stick tab.

In the respective application menu you can find functions for copying, moving, renaming, and deleting files.

When handling files you can select one or more files in a folder. You can also add, rename and delete folders.

Managing your files in File manager

Using File manager, you can handle the content and organization of media, both in the phone memory and on the Memory Stick. See *File manager* on page 93.

Text Entry

There are four ways to enter text in the phone:

Flip closed

- Use the keypad.



Flip open

- Use the virtual keyboard  located in the status bar.
- Write directly on the screen using the stylus.
- Use the keyboard below the screen.

Entering text with the flip closed

With the flip closed, you use the keypad keys to enter text.

Editing text

Select **More** to access editing functions like copy, paste and cut text, or if applicable to format text (size, style and alignment).

Text options with the flip closed

When you are editing text you can select **More > Text options** to open the Text options menu:

- **Add symbol** – launch the symbols and punctuation marks table. Use the navigation key to select an item.

Note You can also open the symbol selector table by pressing and holding the  button.

- **Input type** – change the text input type between **Aa** (initial uppercase, the rest lowercase), **a** (lowercase entry), **A** (uppercase entry) and **12** (numeric entry only).
Note You can also change the input type by pressing the  button.
 - **Auto capitalization** – switch Auto capitalization on and off.
 - **Predictive text** – switch between Predictive text,  in the status bar, and Multitap text entry. See below.
- When the Predictive text is selected you can also select:
- **1st language** – change the 1st language choice for the prediction dictionary.
 - **2nd language** – change the 2nd language choice for the prediction dictionary.
 - **Spell word** – spell a new word to be entered to the user dictionary.
 - **My words** – view the user dictionary where you can add, edit or delete words.
 - **Word suggestions** – switch the word suggestion list on and off.

Multitap text entry

When you press a key, a pre-edit box with the different characters on that key is shown in the title area:



If the same key is pressed again, the next character in the pre-edit box will be selected.

Note: *To enter digits you can also press and hold the corresponding key.*

The **C** key deletes the character to the left of the cursor. If continuously pressed, the key deletes several characters and then whole words.

Predictive text with the flip closed

The Predictive text method uses up to two language dictionaries to recognize the most commonly used words for each sequence of key presses. In addition, word completion and next word prediction software is used to complete or predict words without requiring every letter to be entered. This way, you only need to press each key once at the most, even if the letter you want is not the first letter on the key.

The following example shows how to start writing text.

To enter words using Predictive Text

1. Select, for example, **Messages > Create new message > Create SMS**.
2. If you want to write the word “tomorrow”, press **T** **O** **M** **R** **O** **W**. During text entry, a suggestion list with word candidates is presented. The most frequently used word is shown where you are writing, and is also highlighted in the suggestion list.
3. If the word shown is the word you want:

- Press **OK** or press the Jog Dial inwards to accept the word. (The word *tomorrow* only requires four key presses with the Predictive text method.)

To accept the word and add a space, press



If the word shown is not the one you want:

- Scroll with the navigation key or the Jog Dial up or down to view alternative word suggestions.

Press **OK** to accept the word.

If you do not find the word you want:

- Select **More > Text options > Spell word**
- Edit the word using Multitap text and select **OK**. The word is added to the user dictionary. The next time you enter the word, it will appear as one of the alternative words.

4. Continue writing your message.

5. Press  to enter a full stop. To enter other punctuation marks, scroll with the navigation key or the Jog Dial to view the alternative symbols.

Entering text with the flip open

Editing text

Select the application menu to access editing functions like copy, paste and cut text, or if applicable to format text (size, style and alignment).

Copy and cut

To get access to copy or cut functions you must first highlight the text. To highlight text with the stylus, hold the stylus on the end of the text, wait a moment, and then drag the stylus across the text you wish to copy or cut. To highlight text with the keyboard, see *Highlighting text* on page 30.

Text options with the flip open

The text options with the flip open are almost the same as with the flip closed with some exceptions. When you

are editing text, select **Text options** in the application menu to:

- **Add symbol** – launch the symbols and punctuation marks table.
- **Auto capitalization** – switch Auto capitalization on and off
- **Predictive text** – enable or disable Word complete and Next word prediction,  in the status bar

When the Predictive text is selected you can also select:

- **1st language** – change the 1st language choice for the prediction dictionary.
- **2nd language** – change the 2nd language choice for the prediction dictionary
- **My words** – view the user dictionary where you can add, edit or delete words.

Keyboard

With the flip open you can use the keyboard to enter text and for navigation.

When you press a key, if there are additional



characters associated with that key, then these will be shown in a pre-edit box in the title area:



If the same key is pressed again, the next character in the pre-edit box will be selected. (The pre-edit box will be displayed on screen for as long as you have the key depressed.) When the key is released, the highlighted character will be selected.

Press  to delete the character or spaces to the left of the cursor. Press and hold  to delete several characters and then whole words.

Press the  to enter a character space to the right of the cursor.

Changing input type

You can change your text input type as described in the list below. Icons are displayed in the status bar to show selected input type:

Aa First letter upper case

Press  once followed by, for example, **E** to write a capital **E**. Any additional keys pressed will be displayed in lowercase.

A All upper case

Press  twice for caps-lock. Any additional keys pressed will be displayed in uppercase until  is pressed again to remove caps-lock.

12 Press  once followed by, for example, **E** to type the number **3**. Any additional keys pressed will display the standard characters on the keys.

123 All upper characters

Press  twice to lock the coloured characters. Any additional keys pressed will type the coloured characters until  is pressed again.

Note: Simultaneously pressing  with a character key will insert an uppercase character. Releasing  after this action will revert the case to lowercase. The same principle applies when  and a key is pressed to access a symbol from a key.

Inserting symbols

There are a number of ways to insert symbols with the keyboard.

- Press the  or  keys to show additional symbols in the pre-edit box in the title area.
- Use the  to access the coloured symbols on the keys.
- Press  and  to bring up the application menu. Select **Text options > Add symbol** to open the symbol selector table. Use the Jog Dial to scroll within the table, and select the symbol by pressing the Jog Dial. You can also select a symbol by using the stylus.

Navigating within text

Press  or  for horizontal navigation within text entry.

Press  and  or  for vertical navigation within text entry.

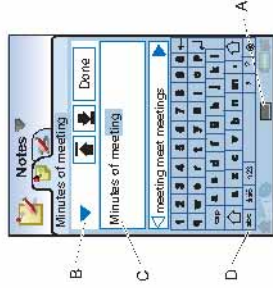
Highlighting text

Press  and  or  or  simultaneously to highlight text to the left or the right of the cursor.

Indenting text

Press  and  to indent the text (tab function).

Virtual keyboard.



A. Select this icon to open or close the virtual keyboard.

B. Drop down menu. Select **> Setup** to change the language of the virtual keyboard.

C. The current input field. Tap the arrows or rotate the Jog Dial to change the input field.

D. Character sets: **abc** - standard characters, **âëö** - international characters, **123** - numeric characters and currencies.

Handwriting recognition

Handwriting recognition translates stylus gestures into letters, numbers or other characters, and displays these characters as text. Handwriting recognition is only active in places where text can be entered.

- A. Arrow that splits the text mode screen into an upper part and a lower part.

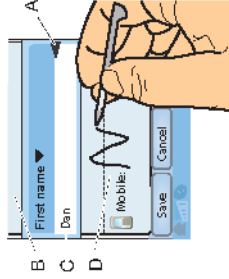
- B. Write numbers and symbols above the arrow.

- C. Write uppercase letters in line with the arrow.

- D. Write lowercase letters below the arrow.

To select icons or buttons, tap and hold them using the stylus.

Note: Most letters can be written using different stroke styles. See the tables below. The style does not determine case. The position on the screen decides case, not the style.



Letters

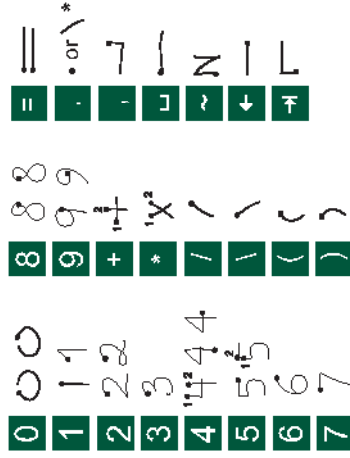
Lowercase letters are written below the arrow and uppercase letters in line with the arrow.

a	ā	À	Λ	n	n	N	N	.	˘
b	b	ß	ß	o	o	o	o	,	˘
c	C			p	p	p	p	?	˘
d	d	d	D	q	q	q	q	!	˘
e	e			r	r	R	R	&	˘
f	f	f	f	s	s			@	˘
g	g	G	G	t	t	t	t	'	˘
h	h	h	h	u	u	u	u	"	˘
i	i	i	i	v	v	v	v	+	˘
j	j	j	j	w	w	w	w	⌋	˘
k	k	k	k	x	x	x	x	↓	˘
l	l	l	l	y	y	y	y	↓	˘
m	m	m	m	z	z	z	z	↓	˘

Note: Start each stroke at the dotted end.

Numbers

Numbers are written above the arrow.



Note: Start each stroke at the dotted end.

Accented letters

Write the character as described above, then write the accent above the arrow. Other such characters, for example, ö and ü, follow the same principle.



Note: Start each stroke at the dotted end.

Extended characters

To write symbols and characters that are not shown in these tables, please consult the *Extended characters* section of the *Handwriting recognition* help topic in your phone or visit www.sonyericsson.com/support.

Predictive text with the flip open

You can use Predictive text when writing with the flip open in all three methods: Keyboard, Virtual keyboard and Handwriting recognition. The word or next word predictions are presented where you are writing and also in a predictive text suggestions window, but unlike Flip closed they are *complementary*. While entering text, you have the option to either select any of the word suggestions displayed, or to ignore them and continue entering text via your chosen method.

Note: *If a prediction suggestion is displayed when you are sending or saving the text, this word will not be sent or saved.*

Selecting words

You select word suggestions in different ways depending on your chosen method:

- **Handwriting recognition & Virtual keyboard** – Tap the selected word with the stylus, or tap the small left and right arrows on either side of the Predictive text suggestions window to scroll through any additional words (if available).
- **Keyboard** – Press the  key to select the primary suggested word.

To select the secondary and additional word suggestions press  key to highlight the word and press  to select it.

Note: *The Jog Dial can be used in all text entry methods to highlight and select suggested words.*

Locks

The phone has four security locks that you can set from the Control panel. See *Locks* on page 129.

Key lock

You can turn the key lock on and off by using the key and touch screen slider on the left side of the phone. For information about the Automatic key lock, see *Automatic key lock* on page 131.

Sound

Adjusting volume

During phone calls or when listening to music or the FM Radio, the easiest way to adjust the sound level is to rotate the Jog Dial. When using a Bluetooth headset, you can use either the Jog Dial or the volume control on the headset. If you are working with another application and you need to adjust the sound level of, for example, an ongoing call or music, select  > **Volume** to open the volume dialog. When you are in standby view with the flip closed, select **More** > **Volume**.

Silent mode

With the flip open, tap  in the status bar, select **Volume** and mark **Silent mode**. To exit silent mode, tap  and unmark **Silent mode**. When the flip is closed, press and hold  from the standby view. You can also select **More** > **Turn on silent**.

Selecting sounds

Select  > **Volume** > **Settings** from the status bar, or select **Tools** > **Control panel** > **Device** > **Sounds and Alerts** to access settings such as ringtones, button clicks and equalizer, see *Sounds & alerts* on page 125. You can also set individual ring signals for your contacts, see *Managing contacts* on page 60.

Transferring sound

During an ongoing call or audio playback, you can transfer the sound, for example, from the speaker to a Bluetooth headset. With the flip open, tap  to open the status bar menu and select **Volume** > **Transfer**. With the flip closed and in standby view, select **More** > **Volume** > **More** > **Transfer sound**. The transfer function is also available from the menus within the relevant applications. It may not be possible to transfer sound during playback of copyright-protected material.

Transferring data between phones

If you are upgrading from an old smartphone, you can transfer data, such as calendar entries and tasks to your new smartphone.

To keep data when replacing an old smartphone

1. Using the old Sony Ericsson PC Suite, synchronize your *old* phone with the relevant computer applications and copy other required files to the computer.
2. Uninstall the old Sony Ericsson PC Suite and restart your computer.
3. Install the new Sony Ericsson PC Suite. For more information, see *Installing PC Suite* on page 95.
4. Using the new Sony Ericsson PC Suite, synchronize your *new* phone with the relevant computer applications and copy other required files to the phone. For more information, see *Synchronization and backup* on page 99.

All data from the old phone has now been transferred to the new one.

Phone

You can use the Phone application with other functions of the phone, including applications from outside Sony Ericsson. Some special features are:

- Personalized polyphonic ringtones.
- Multitasking – use other applications during a call.
- Handling of two lines on the SIM card (ALS).
- Handling of voice controlled calls.

Making a call

You can make a call from many of the applications. This chapter mainly describes the Phone application calling options.

Making a call from the application

Open **Phone** and enter the desired phone number on the keypad or, if the flip is open, use the virtual keypad. Select **OK**.

Making a call from standby view

When no application is open, you can make a call directly from the keypad. When you press the number

keys, the phone application is launched automatically. Enter the desired number and select **Call**.

Note: *With the flip open, press and hold the space bar key on the keyboard to display the Phone application's virtual keypad. Enter the number and select **OK**.*

Features when dialling

Some features available when dialling a number are:

- **Delete characters** – press  to delete characters.
- **International call prefix** – press and hold  to get the international call prefix.
- **Hide/show ID** – select the **Call and hide ID/Call and show ID** option in the **Phone** menu to hide or show your number for the called party. You can only select the option after entering the number but before initiating the call.
- **Speed dial** – press the number key corresponding to your speed contact and select **Call** to make a speed dial call.
- **Send DTMF tones** – press keys on the keypad if you, for example, are calling a bank. See *Controlling tone-based services* on page 39.

More ways to make a call

Making a call from other applications

You can also make a phone call from other applications. Whenever a phone number is available as a link, you can select the number and immediately get a calling option.

Making a call by using voice control

If you have activated the voice control feature and made the necessary settings, you can make a call to a contact by saying the contact's name. See *Voice control* on page 39.

Making an emergency call

You can make an emergency calls as follows:

- Enter the emergency number from the keypad. Press the Jog Dial or select **Call**.
- Select a pre-defined SOS number in the **Phone** menu. Press the Jog Dial or select **Call**.

Usually no SIM card or PIN code is required for emergency calls, but this is something you need to check with your operator.

Receiving a call

Handling an incoming call

You can handle an incoming phone call in several ways:

- **Answer** – select **Yes**, or answer by using voice control. See *Voice control* on page 39.
- **Send Busy** – reject the call by pressing  or by using voice control.
- **Reject with SMS** – reject the call by sending an SMS text message to the caller. Select **Phone** menu > **Send SMS** > **Send**. See *Reject with SMS* on page 115.
- **Reject and create a reminder** – select **No** to reject the call and choose whether you want to create a reminder to follow up the call at a later date. See *Flag Call* on page 114.

Options during or after a call

You can find the following options in either of the **Phone** and **More** menus, or on selections keys:

- **Mute the microphone** – disconnect the microphone after you have answered.
- **Speakerphone on** – transfer the sound to the speakerphone during a call. See *Speakerphone* on page 38.
- **Show contact** – display the corresponding entry in Contacts, or access DTMF tones sequences stored in Contacts.
- **Add call/Hold/Retrieve** – make a call during a call, put the active call on hold, or retrieve a held call.

- **Transfer sound** – transfer a call to a Bluetooth or a regular headset, or to the speakerphone. See *Handsfree settings* on page 114.
- **Turn on tones/Turn off tones** – choose whether you want to turn DTMF tones on/off.
- **Create task** – create a task in Tasks.
- **Make note** – make a note in Notes. (Call data is automatically entered).
- **Call voicemail** – check the messages in your voicemail box. See *Voicemail* on page 116.

Handling two or more calls

You can handle more than one call at the same time, as follows:

- Put an ongoing call on hold and start a new one, or answer an incoming call.
- Start a conference call during an ongoing call. (operator-dependent)
- Extract one party in a conference call for a private talk and put the conference call on hold.
- Make a call on another line (if ALS is available)
- Retrieve a held call, or release it.

Conference calls

A conference call can be started when you have one active call and one on hold. Select **Start conference call** in the **Phone** menu to start the call. If you answer an incoming call during a conference call, the conference call will be put on hold. The maximum number of conference parties is five.

Note: *Conference calls are only available if they are supported by your operator.*

Making a new call on another line

When ALS (Alternate Line Service) is available on your SIM card, you have two lines and two phone numbers within your subscription. You can choose which line you want to use for outgoing calls. See *ALS settings* on page 116.

One of the lines can be used for both data and voice, while the other can only be used for voice calls.

Incoming calls can be received on both lines at the same



time. The current line is shown by the ALS icon,  or , in the status bar. To switch to the other line, tap the icon.

Call log

All your calls are being logged in the application **Call log**. Here you can find call information, such as the type of calls, time, date, phone numbers and call lengths. You can choose any of the four tabs to display the logged information:



All calls



Answered calls only



Dialled calls only



Missed calls only

You can also make phone calls and call notes directly from this application.

More features

Speakerphone

You can activate the speakerphone during a call in two ways:

- Rotate the Jog Dial to bring up the **Transfer sound** dialog. Select to transfer the sound to the speakerphone. (You can also adjust the volume).
- Select **Speakerphone on/off** in either of the **Phone** and **More** menus.

Note: *The speakerphone does not work when the phone is in silent mode.*

WARNING! *The volume may be uncomfortably loud at the higher volume levels if the phone is close to your ear. This may also damage your hearing.*

Setting up speed dial numbers

Speed dial numbers are abbreviated numbers, number keys  to , which are used to reach your nine Speed contacts from the keypad. To set up your Speed contacts, see *Creating a speed contact* on page 59.

Abbreviated numbers and shortcuts

For a fast access to, for example, your voicemail and other features, you can use abbreviated numbers and shortcuts. See *Keypad and keyboard functions* on page 19.

Controlling tone-based services

You can use your phone for phone banking services or other tone-based services that use DTMF (Dual Tone Multi Frequency).

You can send tones during a call as follows:

- Press the keypad keys during an active call.
- Include a tone sequence when dialling.
- Use digit sequences stored in Contacts entries. See *Adding a DTMF tone sequence* on page 60.

To make it easier to use phone services, you can store tone sequences in fields in Contacts. Each tone sequence must start with a **p** and end with a space.

Note: *You should not store any secret personal codes in your phone, in case it gets stolen or lost.*

One way to store a tone sequence in Contacts is that you make, for example, a banking call and use the **Copy** option in **Phone** and the **Paste** option in **Contacts**.

To include a 3-second pause in a tone sequence, use the letter **p** by pressing and holding ***-30** with the flip closed. Use as many **p**s in a row as required.

Tip *Call your bank's service number and time the length of the spoken instructions, so that you know how long the pauses you include in your tone sequence should be.*

Voice control

The voice control feature lets you manage calls by using your voice. With Voice answer you can use words recorded for “answer” and “busy” to answer, or to send a busy tone to an incoming call. With Voice dialling, you can make a call by saying a contact's name.

A ‘Magic word’ is used to activate the Voice dialling, to ensure that the phone does not call anybody whose name has just been mentioned by chance. (To read more about the Magic word, see *Voice control* on page 115). You can activate the Voice dialling feature in any of the following ways:

- Say the ‘Magic word’ (only supported when a regular headset or a car kit is attached to the phone).
- Press and hold the call button on a headset, or press the button on a Bluetooth headset.

- Press and hold the Jog Dial from the standby view (also supported when no equipment is attached to the phone).

To make a call, wait for the tone to finish, and then say the voice command linked to the contact you want to call. For information about settings, see *Voice control* on page 115.

Calling cards

There are two main types of calling cards: corporate and commercial cards. With a corporate card you can use your phone as a corporate phone, and get access to special services since all your calls pass through a corporate switchboard.

A commercial calling card is either a “real” plastic card, containing number information, or just a phone number provided over the Internet. The calls you make pass through a calling card server, which usually allows you to make international phone calls at a lower cost. See *Calling cards* on page 112.

Business phone services

Your mobile phone can be used with a corporate switchboard. For information about setting up business

phone services, see *Business phone services* on page 113.

Handsfree and Bluetooth

You can choose whether you want to use a regular or a Bluetooth headset with your phone. See *Handsfree settings* on page 114 and *Bluetooth wireless technology* on page 117.

Diverting calls

You can divert incoming calls to another number, if you for any reason are unable to answer. See *Divert calls* on page 114.

Accepting calls

You can specify who should be able to call you. All other callers will be blocked. See *Accept calls* on page 112.

Restricting calls

You can set restrictions for calls made from, or to, your phone. For example, you can prevent it to be used for long distance calls. See *Restrict calls* on page 115.

Call waiting

You can choose whether you should be alerted or not when a new call is coming in during an ongoing call. See *Call waiting* on page 114.

Call meter service

The Call meter service allows you to keep track of the costs of calls, and to prevent you from making calls when a certain credit limit has been exceeded. See *Call meter* on page 116.

Note: *The service is available only if it is supported by your operator.*

Support for TTY

To use a teletype (TTY) device with the phone, connect the device at the base of the phone. See *TTY Settings* on page 115. For further information, refer to your TTY device supplier's product information.

Note: *You can still make normal calls when the phone is in TTY mode, but other accessories, such as handsfree, will not work properly.*

Video phone

When you make a video call, you can see the person you are talking to on the screen. By using Video phone you can:

- Explore the application in Demo mode (off-line).
- Zoom the outgoing video.
- Show both incoming and outgoing video.

This chapter describes the use of the application with the flip open, unless otherwise stated.

Demo mode

When you open **Video phone**, the application starts in demo mode (off-line), which means that you can explore the functionality without initiating a call. All options are available.

Making a video call

Before making a video call

Before you make a video call make sure that:

- Both you and the called party have 3G-SIM cards and 3G-phones.

- A 3G-network is available.

Note: *This function is network- or operator-dependent. The service may not always be available in all countries or when you are roaming. Please contact your operator for information about your subscription and video calls.*

Making a call from the application

Select **Video phone** and choose the appropriate option:

- **Flip closed** – enter the number from the keypad and select **OK**
- **Flip open** – tap  to bring up the Virtual keypad. Enter the phone number and select **OK**.

Making a call from standby

You can make a video call from the standby view:

- **Flip closed** – enter the number on the keypad and select **Video call**.
- **Flip open** – select the Phone shortcut  and tap the video call tab . Enter the number and select **OK**.

Other ways to make a video call

You can also make a video call from other applications. Whenever a phone number is available as a link, you can select the number and immediately get a calling option.

Receiving a video call

When the phone indicates that you have an incoming video call, you can either accept or reject the call:

- Accept – select **Yes**. The front camera is switched on by default.
- Reject – select **No** to reject a video call.

Video call options

Switch between front and rear camera

The outgoing video feed is by default captured with the front camera and shown in the small window.

If you select **Camera** from this default state, the outgoing video feed will instead be captured with the rear camera and shown in the large window, while the incoming video will be shown in the small window. If you select **Camera** again, the default state will return.

Zoom

You can zoom the outgoing video feed in the large window between four zoom levels.

Use the buttons **▲** and **▼** to zoom. The magnifying glass is displayed when the picture is fully zoomed out. When you zoom, the current zoom level is displayed.



Pause picture

If the outgoing video feed is stopped, a pause picture is sent to the other person. You can set a pause picture in **Video phone** menu > **Advanced** > **Paused picture**. You can use any picture that you have stored in the phone. If you do not set a pause picture, a default picture will be shown.

Options in the Video phone menu

You can find these options in the **Video phone** menu when you *make* a video call:

- **Start camera/Stop camera** – start or stop your outgoing video feed. When the camera is paused, the pause picture is sent.
- **Switch pictures** – switch the incoming and the outgoing video during a call. The large and the small picture change place.
- **Use front camera/Use rear camera** – select either of the cameras, front or rear, to be used for the outgoing video. The outgoing video feed is shown in the large picture.
- **Hide small picture/Show small picture** – choose whether to remove the small picture from your display.
- **Turn on night mode** – use this option to get a brighter image when the lighting is poor.
- **Share data** – send a V card, SMS or MMS message.

When you receive a video call, you can select extra options:

- **Speakerphone off/Speakerphone on** – turn the speakerphone on or off.
- **Mute microphone/Unmute microphone** – disconnect or connect the microphone.
- **Transfer sound** – choose one of the options to transfer the sound.
- **Create task** – create a task in the Tasks application.
- **Make note** – make a note in the Notes application.

Options in the Advanced menu

You can make these settings in **Video phone** menu >

Advanced, preferably before you use the application.

- **Answer mode** – you can choose whether the camera should be started automatically when a call starts. You can also choose if the rear or front camera should be used as the default camera when a video call starts.
- **Mirror image** – your front camera image is reversed so that you see yourself as in a mirror. This does not affect the image that is sent to the other phone.
- **Paused picture** – you can choose an alternate pause picture from the pictures you have stored on the phone.

Messaging

You can create, send, and receive different types of messages:

 SMS (Short Message Service), which are text messages.

 MMS (Multimedia Message Service), which, for example, can include text, pictures and sound.

 Email messages.

 Beamed messages, which are files received via infrared or Bluetooth.

 Auto setup files for configuring Internet, email and MMS.

You can also receive these types of messages:

 Area information messages, which are text messages broadcast to all subscribers in a network area, for example, local road reports (Area information services are not available from all service providers)

 Wap push messages, which make certain Internet content available in your phone's browser.

Before using

Before you can send and receive any messages (except for SMS) you need to set up the necessary accounts. See *Setting up Internet, email and MMS* on page 101, and sections describing SMS and area information setup in *Messaging settings* on page 128. You can also find additional settings in Control panel.

Folders

The different types of messages are handled by different accounts. The default account, **Messages**, handles all messages except email. Email messages are handled by email accounts you create during setup. All accounts consist of a number of folders. You can also create your own, local, folders.

The following folders are used:

- **Inbox** in Messages – contains all received messages except email messages. In Control panel, you can set how you will be notified when a message is received.
- **Inbox** in an email account – contains the received email messages for that particular account. In

Control panel, you can set how you will be notified when a message is received.

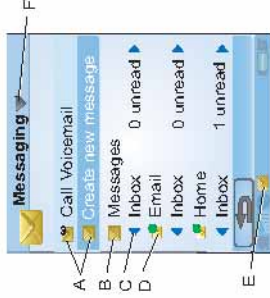
- **Outbox** – contains messages ready to be sent. You can move a message from this box to the Drafts folder.
- **Drafts** – contains messages that are not ready to be sent. When you are creating a message, and exit the message before sending it, you will be asked if you want to save it. If you select Yes, the message will automatically be stored in this folder.
- **Sent** – contains messages you have sent.
- **SIM** – a folder located on your SIM card.

You may also find the following types of folders:

- Local folders that you have created yourself.
- Remote email folders on your email server that you have subscribed to (these require that you have selected connection type IMAP during setup).

The figure shows the main view in Messaging.

- A.** Shortcuts to call voicemail and to create a new message.
- B.** Account for all message types except email.
- C.** Folder line. Select the arrow to change folder. Select the folder name to open the folder.
- D.** Email account. You can have as many email accounts as you like.
- E.** A new message has been received.
- F.** **Messaging** menu. Select the title to find menu options.



SMS

A message can contain up to 160 characters. If you create a longer message it will be sent as two or more separate messages (concatenated), but will usually be received as one message. If you add pictures, sounds and

other items to your message it becomes an EMS (Enhanced Message Service) message.

You can answer an SMS with an MMS. You can also receive a delivery report, see *SMS* on page 129.

MMS

Multimedia messages can include pictures, video clips, animations and sound, organized like a slide presentation with time-based control of the playback. You can answer with an SMS.

If the sending or receiving of messages is interrupted, the sending or receiving will resume when it is possible, without losing information.

Creating and sending MMS

Select **Messaging** >

Create new

message > **MMS**, or
New > **MMS**, if you
have opened the
Messages account.

A. Menu options.

You can select a
template, or
select what you
want to add to the
message. (If the
menu is not open, select )

B. Entry field (on the detail tab). Create your message
here.

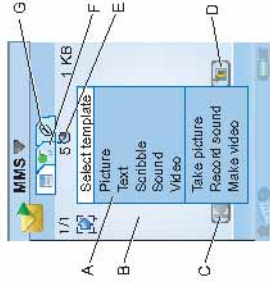
C. Playback buttons.

D. New page icon. Select this to open a new page.

E. Time view icon. Select this to open a view where
you can adjust when and for how long your added
items will be shown.

F. Address tab. Select this to enter the recipient and
other details.

G. Attachments tab. Select this to add attachments.
(The tab is only visible if **Creation mode** is set to
Free or **Warning**. See *Send tab* on page 110.)



You can edit pictures you have added. While you are creating a message you can leave it to take a picture or a video film, and then return to the message to add the picture or film.

When you are ready, select **Send**.

Incoming MMS

Select the new message. The first time you open the message it plays automatically. After that, you have to use the playback buttons to play it. You can forward and reply to a multimedia message.

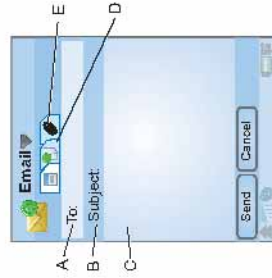
Email

You can create email messages from each email account.

Creating and sending email

Select **Messaging > Create new message > your email account**, or **New**, if you have opened an email account.

- A. Address field. Select this to enter the address.
- B. Subject field. Select this to enter message subject.
- C. Entry field (on the detail tab) Write the message here.



D. Address tab. You can enter the address here and other details, such as message priority.

E. Attachments tab. Select this to add attachments.

When you are ready, select **Send**. You will have the option to send the message immediately, or to save it to Outbox.

Receiving email

Email messages must be fetched from the email server on the Internet or at your office. This can be done manually using the **Get & send** option or automatically by setting your phone to check for new email at certain times.

If you have a special IMAP account, you have the possibility to automatically receive messages from your server. This service is service provider-dependent.

When you forward an email message, you can choose whether to forward the attachment. Large attachments

increase the size of an email and the connection time needed to send it.

You can choose not to receive large messages and only to receive a header.

To view the body of an open HTML-mail message with MHTML-formatting, select **Settings > Display MHTML**. To fit the text to the width of the screen also select **Settings > Always fit to screen**.

You will see the priority of the messages in the different inboxes.

To view an attachment you need a viewer for that type of file. Your phone comes with pre-installed viewers for Microsoft® Word®, Excel®, PowerPoint®, and Adobe® Acrobat® files.

Deleting email

You can delete a message both locally and on your email server. When you delete it locally, the message body and attachments are deleted but the heading remains. You can fetch the message again later with the **Get & send** option. When you delete the message in your server, it is deleted both in your phone and on your server.

More about Messaging

Some common messaging and email functions are described below.

Finding messages

Select **Messaging** menu > **Find message** to search through the subject lines, senders' details and the text of the message. In an open message, **Find message** searches through the message.

Get and send

To get and send messages for all your accounts, the default Messages and all your email accounts, select **Messaging** menu > **Get & send**. To get and send messages from a specific account, for example an email account, first open the account and then select *your account* menu > **Get & send**.

Saving contact details

When you receive a message, you can save the contact details of the person who sent the message.

Entering more than one recipient

When you create a message, and want to send it to several recipients, type a comma between each address.

You can also add addresses and address lists from Contacts.

Full screen view

You can view and edit your email messages and MMS in full screen view.

Disconnecting from the Internet

Select a connection icon, for example , in the status bar. In Connections manager, select your connection and then **Close connection**.

Email synchronization accounts

With these accounts you can create email messages in your phone and let your computer send them. An account for synchronized email is automatically created in your phone when you set up an email synchronization with your computer. When you have created an email message in your phone, it will automatically be sent by your computer the next time you synchronize.

Invitations

If you receive an invitation to an appointment via an email message, you can choose to accept or decline the appointment using your phone. If you accept, your

calendar will be updated automatically. You can also reply to and forward an invitation.

Push email

You can install a push email application on your phone. With push email, email messages received in your ordinary mailbox will automatically be sent to your phone. You can send messages from your phone, and also use Calendar and Contacts as if you were using the ordinary email application in your computer. Please consult your email service provider for further details.

Camera

Your phone has a digital camera that also works as a video clip recorder. You can take pictures, record video clips, store them on a Memory Stick or in phone memory, view them and send them directly as an MMS message. You can also send pictures and clips using Send as, see *Send as* on page 24.

Exposure control is automatic, with manual compensation so that you can adjust picture brightness. You can set the camera to focus automatically. A macro mode setting allows you to take extreme closeups.

The zoom level is adjustable from 100 to 250 percent.

You can save pictures and clips in different frame sizes, (pixel resolutions). This allows you to choose the quality of a picture or clip in relation to its use. The number of pictures and clips that you can save on the Memory Stick or in the phone will vary with the frame sizes of your pictures and clips.

The built-in photo light is useful when taking still pictures in poor lighting conditions. A Night Mode setting is also available.

You can take pictures with overlay frames, with filter effects such as sepia toning, or black and white pictures by changing the camera settings.

Use the camera with the flip open or closed. This guide describes using it with the flip closed.

To activate the camera

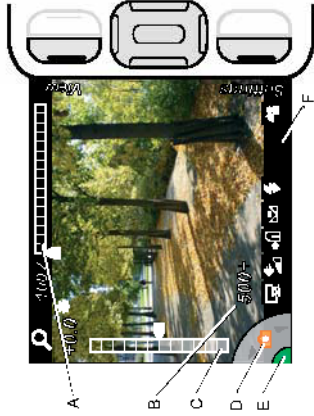
You can activate the camera in two ways:

- Open the lens cover.
- Press the camera button.

See *Overview* on page 11, all the way down. It also activates when you select **Multimedia > Camera**. An indicator next to the camera button lights while the camera is activating. When you activate the camera it will be set to the shoot mode (of the four available: still pictures, video recording, burst of four pictures, pictures with frames) last chosen with **Settings > Shoot mode**.

Taking pictures and video clips

When the camera is activated you can see the following information:



A. Shows the zoom setting:

Press  to increase zoom level,  to decrease zoom level when taking a picture or clip.

B. Shows the remaining number of pictures or recording time for the current storage location, frame size and quality settings.

C. Shows the exposure compensation.

Press  to increase brightness,  to decrease.

D. Shows the type of picture or recording the camera is set to. Use the Jog Dial to switch between video recorder , and single-shot pictures .

To take a burst of four still pictures in rapid succession  or a picture with a frame , you must change the **Shoot mode** setting, see *Changing the settings* on page 55

E. Shows steady green when the camera is ready:

- Press the camera button half-way to focus a single-shot picture.

An audible signal and the  icon indicate that the camera is focused.

- Press the camera button all the way to take the picture or clip.
- Press the Jog Dial to pause or resume a video recording.
- Press the camera button all the way to stop a video recording.

F. A row of indicator icons give a quick overview of your current settings:

The **Frame size** (resolution) for still pictures can be:



1600 x 1200 (UXGA)



1280 x 960



640 x 480 (VGA)



320 x 240 (QVGA)

The **Frame size** (resolution) when recording video clips can be:



128 x 96 (SQCIF)



160 x 120 (QQVGA)



176 x 144 (QCIF)



320 x 240 (QVGA)

The **Quality** setting can be:



Fine, Normal or Economy

The number of pictures or video recording time available for the current storage location (Memory Stick or phone memory) will vary with this setting.



Pictures and clips can be saved to the Memory Stick, or to phone memory with the **Save to** setting.

There are five possible **White balance** settings for different lighting conditions:



Cloudy, Daylight, Fluorescent, Bulb, or Auto.



When taking still pictures:
The photo light will light when you take the picture.



When recording video clips:
The camera is set to record a clip suitable for sending by MMS.
Set with **Video length > Messaging**.



The **Self-timer** is set.
When you press the camera button the icon flashes as the timer is counting down.



Night mode is on. Exposure times are longer to compensate for bad lighting conditions, but the camera is also more sensitive to movement.



When taking still pictures:

The camera is set to focus the lens automatically at normal distances.

The camera is set to focus the lens automatically for extreme close-ups (Macro mode).



When recording video clips:

The microphone is muted, no audio will be recorded.

To hide all icons

Press  to hide all icons. Press  to show them again.

Taking a self-portrait

Hold the camera so that you can see your reflection in the circular mirror next to the lens. You can use the self-timer. Select **Settings** >  **Self-timer** > **On** to set it.

Viewing pictures and clips

You can view pictures or video clips stored in the current camera folder (on the Memory Stick or in the phone) directly in the camera. Select **View** and rotate the Jog Dial to scroll through the pictures and clips in playback view. To set the camera to automatically play back

pictures and clips after they are taken, select **Settings** >  **Auto review** > **On**.

Sharing pictures and clips

Select **Send** when viewing a picture or clip to send it as an MMS message using Messaging, launching the MMS message editor. You can also send the picture or clip using Send as, select **More** > **Send as**.

Options

Select **More** for a menu of options. You can rotate the picture, zoom, send it using Send as, take a new clip or picture, or hide all icons.

When you zoom a picture you can rotate the Jog Dial to change the zoom level, and pan to a part of the picture using the navigation key to view the zoomed part of the picture.

You can press the Jog Dial to play, pause and stop video clips.

Editing a picture in Picture editor

View the picture with the flip open and select **More** > **Edit** to open the picture for editing, see *Picture editor* on page 80.

Changing the settings

Select **Settings** to show a scrollable list of camera settings. Rotate the Jog Dial to move through the list and see the options for each setting.

Select **Info** to see a short description of the setting.

To change a setting, press and then rotate the Jog Dial to highlight the desired option, then press again.

You settings will remain until you change them, even if you have switched the camera or your phone off.

 **Shoot mode** – Select what sort of pictures to take.

Burst4: Take four pictures in rapid succession.
With frame: Overlays a frame on top of single-shot pictures.

 **Frame size** – Select what picture or video size to use. Choose from four still picture and four video clip sizes.

 **Auto focus** – Allows the camera to automatically focus the camera lens.
Select **Macro** for extreme close-ups.

 **Video length** – Select **Messaging** to limit the length and size of video clips (when recording) so that they can be sent by MMS.



White balance – Select a white balance option that matches the lighting conditions.

Select **Bulb** for normal indoor artificial lighting conditions.

Light – Only for still pictures:

Select **On** to enable the photo light.

Microphone mute – Only for recording Video clips:

Select **Muted** to turn off sound recording.

Effects – Set and view different effects before you take a picture.

Quality – Select a quality level, **Fine**, **Normal** or **Economy**, suitable for your use of the clip or picture.

Night mode – Increases the exposure time for conditions where the lighting is poor.

Save to – Select if pictures and clips will be saved to the Memory Stick or the phone. If you select **Memory Stick preferred** they will be stored on the phone when there is no room left on the Memory Stick.

Auto review – Switches the camera to review mode automatically after picture or clip has been taken.



Shutter sound – Select (or mute) a shutter sound. The **Muted** option may not be available since there may be legal requirements that all cameras give an audible indication that a picture is being taken.



Self-timer – Select **On** to take pictures and clips with a time delay.



Reset file number – Resets the file number for pictures and clips in the currently set storage location.

Contacts

Contacts is your personal phonebook where you can store names, phone numbers, email addresses, photos, and other contact information.

Information stored on the SIM card is also accessible. SIM card entries can be copied to and from Contacts.

Using Contacts

Each entry in Contacts can be viewed in four tabs:



Links tab – contains fields for name, photo, phone and pager numbers, title, emails, and Web pages.



Address tab – contains fields for addresses, birthday, city, postcode, company and job title.



Notes tab – make personal notes for each contact.



Audio tab – set a personal ringtone, and a voice command to be used for voice dialling.

You can handle the contacts in three views:

- List view – shows an alphabetical list of contacts.

- Detail view – shows a contact's details.
- Edit view – allows you to add to, and change, the contact's information.

To change from the list view to the detail view, with the flip open, tap a contact's name. To proceed to the edit view, select **Contacts menu > Edit contact**

Tip Press and hold a key on the keypad, or the keyboard, to open Contacts.

Contacting others from Contacts

Phone calls, video phone calls and messages can be handled directly from Contacts.

Making a call from Contacts

Choose the appropriate option:

- **Flip open** – scroll to an entry in the list. Tap the name, to open it. Tap a phone number to make a call.
- **Flip closed** – scroll to an entry in the list. Press the Jog Dial to open it. Scroll to a phone number, then press the Jog Dial to make a call.

Making a call from the SIM card

Choose the appropriate option:

- **Flip open** – select **Contacts** folder menu  > **SIM**, to open the SIM card. Make a call in the same way as from **Contacts**.
- **Flip closed** – select **More** > **View folder** > **SIM**, to open the SIM card. Make a call in the same way as from **Contacts**.

Note: *The All folder does not include SIM card entries.*

Sending an SMS or an MMS message

To send an SMS or an MMS message to a contact you can tap the  icon next to a phone number, in the detail view.

Creating an owner card

You can make your own electronic business card that you can send to another device. Create a new contact and enter your own details. Select **Contacts** menu > **Settings** > **Set as My card**.

Service numbers

Some operators have stored their Service numbers on the SIM cards. To find these, select **Service numbers** in the **Contacts** folder menu.

My numbers

You can store your own phone numbers so that you can look them up, whenever you need to. To make the

settings, select **Contacts** folder menu  > **SIM** > **SIM** menu > **My numbers**.

Creating and editing contacts

Creating a new contact

To manually enter the contact data, choose the **New** **contact** option from either of the **Contacts** and **More** menus. Use either of the keyboard, virtual keyboard, or the keypad, to enter the data.

You can also use contact data from a recent call. See *Add to Contacts* on page 112.

Tip *If you save your contacts' numbers in the international number format, starting with +, you can call directly from Contacts when you are abroad.*

Editing a contact

Adding a field to a contact

Select the links tab . Select **Contacts** menu > **Add field**. Mark a field in the list and select **Add**.

Editing a field

Select the appropriate tab, and highlight the field you want to edit. Some useful editing commands are available in the field dropdown menu. For more information about text entry, see *Text Entry* on page 25.

Adding or editing a contact on the SIM card

To add a contact on your SIM card, select **Contacts** folder menu  > **SIM** > **New**. To edit a contact on your SIM card, select **Contacts** folder menu > **SIM**. Highlight the desired contact and press and hold the Jog Dial. Select **SIM** menu > **Edit contact**.

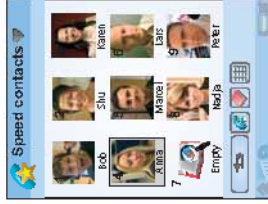
Creating a speed contact

To speed up dialling, or the sending of messages, you can create 1-9 shortcuts for contacts that you call often.

Select **Speed Contacts** in the folder menu. Highlight the one you want to create. Select

Contacts menu > Edit

speedcontact and select a contact in the list. Select **Done**.



Note: *Copyright-protection may prevent pictures from being displayed in Speed contacts. See Protected files on page 93.*

Adding a voice dialling command

To use the Voice dialling feature, you need to record and store the names of the contacts you want to call by voice control. Select the audio tab  to make the settings.

Adding a photo or a picture to a contact

If you want to add a photo or a picture to a contact's Picture field, you can select a picture from **Picture gallery**.

Adding a birthday reminder

Select the address tab  and enter the date in the contact's birthday field. You will then get the option to set a birthday reminder in **Calendar**. See *Creating calendar entries* on page 61.

Adding a note to a contact

Select the notes tab  and enter the text. If you do not want the note to be included when you send, beam, or synchronize the contact, mark the **Private** check box.

Adding a personal ringtone to a contact

You can store a link to a ringtone for each of your contacts, so that all the contacts can have different ring

tones. Select the audio tab  to set the desired ringtone.

Adding a DTMF tone sequence

You can add a DTMF tone sequence to a contact's phone number, or store it in a separate field. You can for example store your bank account numbers, to make your phone banking easier. Always start a tone sequence with **p** and end it with a space. To send tones during a call, open the corresponding Contacts entry and select a stored tone sequence. See *Controlling tone-based services* on page 39.

Managing contacts

To list all entries (except SIM card entries), select **All** from the **Contacts** folder menu . You can sort the contacts according to first name, last name, or company. They can also be filtered by folder or group.

Creating a group of contacts

To create a group, select **Contacts** menu > **New group**. Select the contacts that should be included in the group by marking them, and select **Done**. Enter the name of the group and select **Save**.

Copying or deleting a contact

To copy a contact, highlight the contact and select **Contacts** menu > **Add to** > desired folder. To delete a contact, highlight it and select **Contacts** menu > **Delete**.

Copying contacts to and from a SIM card

To copy entries from Contacts to the SIM card

1. Mark the entries in Contacts.
2. Select **Contacts** menu > **Add to** > **SIM**

To copy entries from the SIM card to Contacts

1. Select **Contacts** folder menu > **SIM**, to open the SIM card.
2. Mark the entries.
3. Select **SIM** menu > **Copy to Contacts**.

With the flip closed, use the **More** menu instead, and follow the same procedure. To open the SIM card, select **More** menu > **View folder** > **SIM**

Note: Only 3G SIM card entries can contain multiple phone numbers.

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 email manually* on page 106.

Viewing calendar entries

- With the *flip closed* you select **More > Set view** to switch between **Month view** and **Week view**. Scroll by using the navigation key or the Jog Dial.
- With the *flip open* you can switch between the views by selecting month view  or week view . Use the Jog Dial to scroll. Select  to move the focus to the current day.

Select a day that already has entries to display the Day view. It can be displayed with or without empty slots. Select an entry to display the entry details.

You can quickly switch to any date in the calendar:

- With the *flip closed* you select **More > Go to date** and enter the desired date in the entry fields in the displayed dialog.
- With the *flip open* you can tap on the week-, month- or year-heading above the sheet. Then scroll by tapping the right or left arrows above the calendar sheet in the displayed dialog. You can also select a month by tapping on the year and the month.

Note:

Creating calendar entries

Select **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 58.

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.

Recipients will get invitations that they can accept or decline. If accepted, the current calendar application (for example Calendar or Outlook) is updated. An invitation receipt will be generated.

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 **More > Response status**.

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 24.

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.*

Managing received invitations

You might receive invitations to appointments when you are fetching email messages from the email server. You have the possibility to accept or decline the invitations and if you accept Calendar is updated automatically. See *Email* on page 48.

Synchronization and backup

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 100.

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

As a complement to the “normal” Backup application, see *Backing up data* on page 100, you can backup calendar entries on the Memory Stick. Select **More > Calendar manager > Back up**.

Settings

You can, for example, set default values for the alarm, Day view and the duration of appointments. Select **More > Settings > Alarm & display**

Note: By specifying the first day of your week you can change the display of both Week and Month. Select

Tools > Control panel> Device > Time & date > Time & date > Set workdays.

Web

The integrated browser is the entry-point to the Internet in your phone. It supports both frames and JavaScript™. You can easily switch from portrait to landscape view, and change from normal to full screen presentation. The browser can fit the contents of the page to the width of the screen.

You can save pages to view them offline.

The browser has separate download managers for files that need secure download and for other files. The secure downloads manager is especially useful for downloading commercial media objects.

You can set up the browser to block pop-ups.

The browser can provide a secure encrypted link to the Web site. The  icon in the context bar of the browser window shows when a secure connection is established.

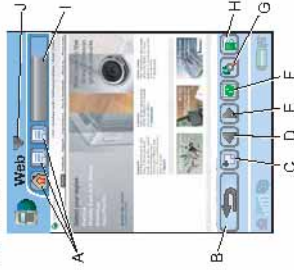
Note: *Before you can use the Web application to access the Internet you must set up your Internet accounts in the phone, see Setting up accounts on page 101.*

The browser can remember a username-password pair that you enter when you log in to a site so that you can use it later.

Working with pages

Use the browser with the flip open. Select **Multimedia > Web** to open the browser.

- A Sony Ericsson homepage is shown if no page has been set remotely.



- A.** Page icons are shown in the context bar. The icons change when the page has finished loading.

- Tap to switch page.
 - Tap and hold for a menu of options for the current page. Select **Close page** to close a page.
- B.** Go back.

C. Open web page.

D. Go to the previous page.

E. Go to the next page.

F. **Refresh**  or **Stop**  loading the page.

G. Find (on the Internet or in the current page).

H. Go to the **Bookmarks** view.

I. Progress bar, shows the loading progress.

J. Select the title to find menu options.

Navigation is quick and simple:

- Select a link or a bookmark to navigate. The homepage is always the first bookmark in the bookmarks list.
- Tap and hold a link to open a menu of options based on the type of link.
 - If the link is to an RSS feed (see *RSS feeds* on page 68) **RSS Feeds** opens so that you can subscribe to the feed.
- Use the Jog Dial to scroll a page up or down. Links will be highlighted as you scroll.
- When you want to log in to a site and the username and password fields are highlighted with yellow boxes, you can select **Web > Log in** to use the username-password pair you saved earlier.
- When not in text mode you can slide a page up or down, left or right, with the stylus.
- To change the zoom level select **Web > Zoom**, rotate the Jog Dial and then select **Save**.

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Working with bookmarks

To open a list of bookmarks in the bookmarks view select  in the main view. Select an entry in the list to open it.

When you highlight a bookmark in the list you can use the options in the Web menu to delete it, edit it, or set it to always open in a new page. Use the Folder menu  to organize it in a folder.

To add a bookmark for a page, select

Web > Current page > Add to bookmarks

Working with text

To be able to select text on a page, select **Web > Settings** and mark **Select text mode**. Select **Web > Edit** for text editing options on the selected text.

Settings menu

Select **Web > Settings** to find options that you may want change while working with pages. You can switch the Fit to screen, Full screen, and Landscape modes on or off. You can also select text mode.

Views menu

Select **Web > Views** to open list views where you can work with saved pages, history or downloads.

Saving pages

You can save the current page to open it later offline.

Select **Web > Current page > Save page** to save the page.

Select **Web > Views > Saved pages** to see a list of your saved pages. You can open a page in the list, delete it or rename it.

Using the History list

To open a page you have visited earlier select **Web > Views > History**. A list is displayed allowing you to view the details and open the page.

Downloading

When you select a download link in the browser and accept the download you will see a new entry in the appropriate download list. **Secure downloads** or **Other downloads**.

You can pause and resume the download if required (if the server supports this).

There is no notification when a download has been completed. Return to the appropriate list view to check the status of your downloads. Select **Web > Views > Downloads > Secure downloads** or **Web > Views > Downloads > Other downloads** to return.

Configuring the browser

Select **Web > Settings > Configuration** to open a dialog where you can change the browser's configuration settings:

On the **General** tab you can choose to:

- Add or delete prefixes and suffixes to the list that the browser uses when it suggests a Web address.
- Enable or disable JavaScript. Disabling JavaScript can make pages load faster, but some pages may not function properly.
- Enable the browsers pop-up blocking feature.

On the **Display** tab you can choose to:

- Load and display pictures or not. Pages will load faster if you do not display pictures
- Switch off the presentation of animations.
- Enable or disable plug-ins.

On the **Advanced** tab you can choose to:

- Allow cookies.

- Configure the cache handling. You can choose cache size as well as have the cache emptied every time you disconnect.
- Delete all cookies.
- Set browser to show a warning dialog before submitting a form over an insecure Internet connection.

To delete private data

Select **Web > Settings > Delete private data** to open a dialog where you can mark check boxes to delete:

- All history data (includes internal security data and the list of previously entered Web addresses).
- The contents of the cache.
- All cookies.
- All username-password pairs that you have stored.

RSS feeds

RSS provides a way for Web sites to distribute their content outside of a Web browser. A news Web site might have an RSS feed which contains breaking stories, while a magazine Web site may provide an RSS feed with excerpts of their latest articles.

An RSS feed is a file containing a list of information items, each of which has a title, a description and a link to the Web page.

The RSS feeds application enables you to get information from the Internet into an easy-to-view format without browsing the Web sites. You can browse information from dozens, or hundreds, of Web sites without ever visiting them.

Note: Before you can use the RSS feeds application you must set up your Internet accounts in the phone, see *Setting up accounts* on page 101.

Subscribing to RSS feeds

To add an RSS feed to your application you select

Multimedia > RSS feeds > RSS feeds > Add feed and enter the Web address of a feed.

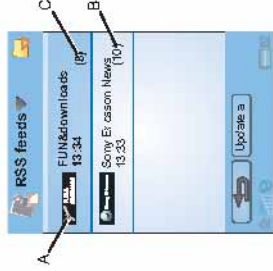
Tip An easy way to subscribe to a new feed is to navigate to an RSS/XML link in the Web browser. Select the link and the Add feed dialog is opened with the Web address of the feed already entered.

Reading news items

When you start the application a list of your subscribed RSS feeds is displayed..

- A.** Title of a subscribed RSS feed and time of last update.
- B.** Numbers that appear in parentheses indicate unread feeds.

C. Feeds with new news items are displayed in bold.



Select the RSS feed you are interested in to display the news items list. Then select a news item headline to display the full headline and description.

A. Move backwards and forwards between the news items.

B. Launch more details about the news story in the Web browser.

Updating feeds

You can update feeds manually or by scheduled updates. Select **Update all** to update all feeds at the same time.

Tip *Update all can take a while if you have a lot of RSS feeds. You can switch to another application during the update which continues in the background.*

When the news item list of a certain feed is displayed you can select **Update** to update the current feed.

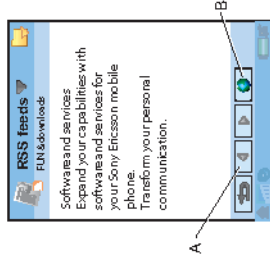
To schedule the updates you select **Settings > Schedule updates**. You can choose to update the feeds by time or by interval. When the feeds are updated automatically a status bar icon **RSS** appears. Tapping the status bar icon launches the RSS application.

Settings

Select **Settings > RSS options** to access the following options:

- **Save items for** – set how long the items should be saved.
- **Internet account** – set the Internet connection to be used.

Tip *Set the Internet account to the same connection as the Web browser.*



Media player

Media player works as a music player, video player and FM radio all-in-one. You can play music and video clips that are stored on your phone. You can also receive streaming video and music from the Internet. For a list of supported media formats, see *Media formats* on page 147.

You can start the Music player or the FM radio simply by pressing and holding the media player button . For information on how to configure the media player button, see *Hardware buttons* on page 124.

Music

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 at the file name.*

Select **Media player > Music**. The first time you open Music, tap the **Update** button, or select **More > Update music** with the flip closed, to search the phone memory and the Memory Stick for sound files. This process may take a while, especially if you have a high capacity

Memory Stick with a lot of sound files. You can select if this update should be performed automatically each time you open the Media player, or if you want to do it manually. If you select to do it manually, the command **Update** will be available as a button and in the menu. You can also select which types of sound files an update should search for. See *Preferences* on page 72.

All tracks, including those that do not contain any album or artist information, can be found under **Tracks**.

My recordings contain clips that you have recorded with Sound recorder. To further organize your music files, you can create **Playlists**.

Playlists

A playlist is simply a list of links to some of your music files, and it describes which songs to play and in which order. This also means that when you remove a track from a playlist, the sound file itself is not deleted.

A playlist can contain links to tracks both in the phone and on a Memory Stick, and you can add a track to more than one playlist.

If a playlist contains links to tracks stored on a Memory Stick that you have removed from the phone, the track titles are displayed in italics and the tracks are skipped. Playlists can be moved or copied between the phone memory and a Memory Stick using the File manager. The playlists that you create on the phone are stored in *Music\playlists*.

To create a playlist

Open **Playlists** and select **New Playlist**.

To add tracks to a playlist

Scroll to the desired track and select **Music > Manage > Add to playlist**. With the flip closed, select **More > Manage > Add to playlist**.

You can add several tracks at once. See *Manage tracks* on page 72.

In playback view, you can add the track you are currently listening to by selecting **Music > Add to playlist**. With the flip closed, select **More > Add to playlist**.

Playback

To start playback, select an album, artist, playlist or individual track and press the Jog Dial or select the **Play** button or touch option. You can also simply tap on an individual track to play it.

To pause playback press the media player button, tap  with the flip open, or select the **Pause** softkey when the flip is closed.

Tap and drag the progress indicator to move within a track.

When playback is paused, rotating the Jog Dial will browse the tracks from the current playlist, album or artist.

You can leave Music and continue to listen to music by tapping . With the flip closed, select **More > Minimize**. Playback will also continue when you switch to another application via the task manager.

When Music is minimized, start and pause playback by pressing the media player button. To return to Music, tap  in the status bar, or open it via Main menu or Task manager.

Playback will also pause when you make or receive a call, or if you open another application that uses the audio output. You can select if Music should resume automatically when the call is ended. See *Preferences* on page 72.

Adjust volume and tone

During playback, rotate the Jog Dial to adjust volume. You can further adjust the sound by selecting **Music > Settings > Equalizer** or by tapping . When the flip is closed, select **More > Settings > Equalizer**.

Manage tracks

If you want to select several tracks at once, scroll to one of the tracks and select **Music > Manage > Mark**. If the flip is closed, select **More > Manage > Mark**. You can now select additional tracks by tapping the check boxes or by scrolling to the desired track and pressing the Jog Dial. With the flip closed, press the **Mark** softkey.

Within a category, you can sort tracks in different ways.

Preferences

Select **Music > Settings > Preferences** to access the following options:

Play

- **Shuffle** – the tracks in a playlist, album or artist are shuffled randomly before playback begins.
- **Loop** – restart the playlist when the last track has been played.
- **Resume Audio** – this setting determines how playback should resume after it has been interrupted

by, for example, an incoming phone call. **Automatic** means playback resumes automatically when you have finished the call. **Manual** requires that you press the media player button or switch back to the media player and resume playback from there.

Files

- **File update** – select if you want the media player to automatically search for new sound files each time you open Media player, or if you want to do this manually.
- **Filter files** – set a filter to exclude small files or file types with low sound quality from the search. Ringtones and other sounds that are stored in the *Music/sounds* folder are always excluded.
- **Full update** – a normal update only searches for new sound files. A full update will rebuild the tracks list and look for changes made to existing files, for example, new artist and album information.

Video

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 at the file name.*

You can watch clips stored on your phone or Memory Stick as well as streaming video from the internet.

To play a video clip

1. Open the flip and select **Media player** > **Video**
2. Navigate to the clip you want to watch. The first folder in the list contains clips you have recorded with the camera.
3. Tap the clip 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 **Video** > **Manage** > **Open URL** and enter the address to the stream. You can save shortcuts to streaming content. These will be stored in the Online folder that you see when you open the Media player.

Playback controls

Rotate the Jog Dial to adjust the sound level.

Tap  to pause playback. Tap  to resume playback. You can also switch between play and pause by pressing the Jog Dial.

Tap  to switch to full screen view. You can also tap directly on the playback area.

Tap on the progress bar or tap and drag the progress indicator to move backwards and forwards within the clip.

When playback is paused, tap the arrows in the playback area, or rotate the Jog Dial, to select another clip in the current folder.

Playback options

In playback view, select **Video** > **Playback options** to access the following settings:

- **Continuous play** – play all clips in the current folder.
- **Loop** – keep repeating the current clip.

Manage clips

Select how the clips are sorted in **Video** > **Preferences**.

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

Settings

In playback view, select **Video** > **Settings** to access the following options:

Display tab

- **Default view** – select if you want video clips to open in portrait or landscape view.
- **Size** – video clips intended for larger displays will always be scaled down to fit within the screen of the phone. If you select **Fit to screen**, videos that are smaller than the phone's screen will also be

stretched to use as much of the screen as possible, without changing the aspect ratio.

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.
- **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.

FM radio

Your phone features an FM radio with RDS (Radio Data System) functionality. You can save up to 20 favourites as presets.

You can switch to another application and still listen to the radio in the background.

Your handsfree acts as the antenna and must be connected before you start the radio.

The sound from the radio can be used as an alarm signal (provided your handsfree is connected.) The sound will automatically be transferred to the loudspeaker. Set the alarm time in the Time application, see *Setting alarms* on page 92.

Note: *You must switch your phone on to use the radio. (You cannot use it in Flight Mode.) Do not switch it on in areas where mobile phones are prohibited. See Flight mode on page 13.*

You can use the FM

Radio with the flip

closed or open –

this describes how

to use it with the

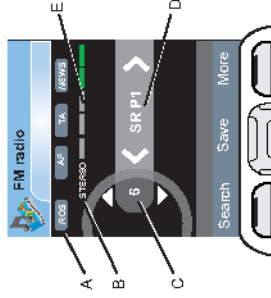
flip closed. The

picture shows a

typical radio FM

radio base dialog

with indicators and controls:



A. Status for RDS, AF, TA, and NEWS. If no indicator is visible the function is off. See *Using the RDS functions* on page 76.

B. Stereo/Mono indicator.

- C. Shows the number in the list of presets of the preset station currently playing.
- D. Station name (or the tuned frequency).
- E. Signal strength indicator.

To start listening to the radio

To use the radio you must connect the handsfree to your phone. The handsfree acts as an antenna. Open **Media Player** and select **Radio**. The first time you use the radio it will ask you if you want to do an automatic search for stations (**Auto store**).

Tuning in to a channel

You can search for channels automatically or manually and save up to 20 favourites as presets. You have these options:

- Select **Search** to automatically search for the next channel on the band.
- Press and hold  or  to move manually along the band in 0.1 MHz steps until you release the key.
- Press  or  to go up and down between the preset channels that you have saved. The number of the preset in the list of stored presets is shown in the display.

- You can also press the button on the handsfree to go up the list of preset channels.
- Select **More > Set frequency** and enter the desired frequency. The figures you enter will be adjusted automatically to a valid frequency.

Saving channels

To store the current channel as a preset, select **Save**. You can use the Jog Dial to scroll in the **Select position** list. You have these options:

- Highlight an empty slot and select **Insert**.
- Highlight a preset that you want to replace. Select **Replace**.

Select **More > Auto store** to automatically search for and store up to 20 channels. The radio indicates each channel that it finds and asks for confirmation before it writes over a previous stored list of presets.

Managing presets

Select **More > Presets** to manage the list of preset channels. You can highlight an entry in the list to move it, delete it, or rename it using the options in the **More** menu. If a position in the list is occupied, you can replace it with another preset.

Using the RDS functions

The RDS functionality lets you set the radio to automatically switch to a channel when it is broadcasting a traffic announcement (**TA**) or news announcement (**NEWS**). The radio can also re-tune to the alternative frequency that gives the best reception for the channel you have set (**AF**).

Select **More > Settings > RDS options** in the menu. In the dialog you can turn the RDS, TA, and NEWS functions on or off and set the volume level for interrupting announcements.

To read the RDS radio text information sent out over the current channel, open the flip and tap the text. Up to 64 characters will be displayed.

While listening to the radio

To adjust the volume

Rotate the Jog Dial to adjust the volume.

To transfer the sound

To transfer the sound to the device you want to use, for example the speaker or a Bluetooth headset, select **More > Settings > Transfer sound** to open the **Transfer sound** dialog, see *Transferring sound* on page 34.

To switch to another application with the radio in the background

You can listen to the radio while using other applications:

- Select **More > Minimize**. The radio continues to play in the background and the phone switches to the standby screen.
- Alternatively, select **More > Task manager** to open the Task manager, from where you can switch to other applications.

Online

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