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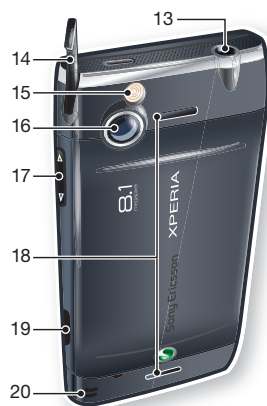
13	3.5 mm headset/TV-out cable connector	
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19 Camera key

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Getting started

Important information

Please read the *Important information* leaflet before you use your mobile phone.

Additional help

To use the help function in the phone

• Tap ⊞ > **Help**.

To use Getting started

• Tap ⊞ > **Getting started**.

SIM card and battery

Before you start using the phone, you have to insert the SIM card and the battery.

To insert the SIM card

1   Remove the battery cover.
2   Slide the SIM card into its holder with the gold-colored contacts facing down.

To insert the battery
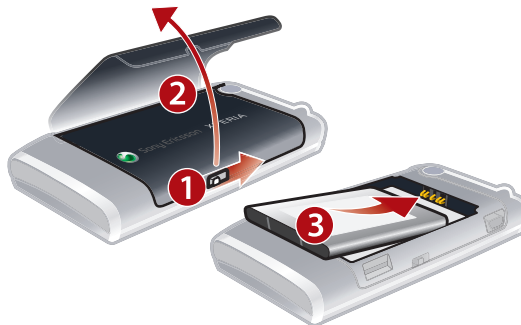
• Insert the battery with the Sony Ericsson hologram side up and the connectors facing each other.

Charging the battery

The phone battery is partly charged when you buy it.

To charge the phone using the power adapter

- Connect the phone to a power outlet using the USB cable provided and the power adapter.

To charge the phone using a computer

- Connect the phone to a USB port on a computer using the included USB cable provided.

Memory card

To insert a memory card

1. Remove the battery cover.
2. Insert the memory card with the gold-colored contacts facing down.

To remove a memory card
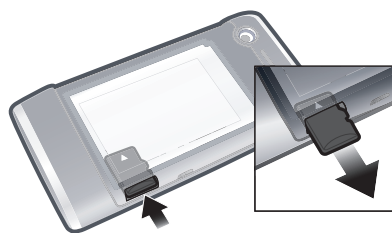
1. Remove the battery cover.
2. Press the edge of the memory card to release and remove it.

Turning the phone on and off

To turn on the phone

1 Press and hold down the power key until the phone starts.
2 At first startup, a Quick Start wizard guides you through the initial settings.

To turn off the phone
1 Press and hold down the power key until a message appears.
2 To turn off, tap **Ok**.

To turn on sleep mode
• To turn off the screen temporarily and switch the phone to sleep mode, press the power key.

To turn off sleep mode
• To activate the screen, briefly press the power key. The phone is also activated when you slide open the phone, or when you receive a call or a message.

To turn on Airplane mode
1 Tap ▦ > **Settings** > **Communication Manager**.
2 Tap ✈.

To turn on phone mode
1 Tap ▦ > **Settings** > **Communication Manager**.
2 Tap ▮.

Aligning the screen

The first time you turn on the phone, you need to align the screen. You can also re-align your screen, if necessary.

❗ You need to use the stylus to align the screen.

To align the screen
1 Tap ▦ > **Settings** > **System** > **Screen** > **Align Screen**.
2 Use the stylus and tap each target firmly and accurately.

Navigating

You can use the following means to navigate around the screen:
• The stylus, or your finger, on the touch screen
• The arrow keys on the keyboard
• The optical joystick

Using the touch screen

- To highlight or open an item, tap the item.
- To copy, rename or send a file, tap and hold down the file or folder. Select the preferred action from the options dialog.
- To scroll, tap the screen and slide up or down. On some pages you can also slide to the side.
- To stop the screen from scrolling, tap the screen.
- To pan a page, touch and hold on the screen, then drag your finger.
- To pan continuously, drag your finger towards the outer limits of a page and hold. Release your finger to stop panning.

Using the arrow keys

To use the arrow keys
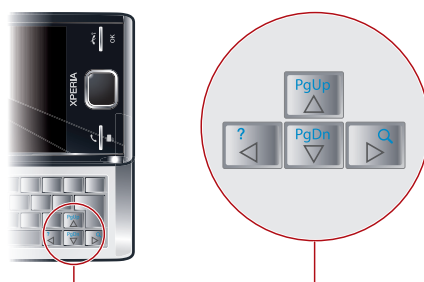
- Press the arrow keys left, right, up or down to move around the screen. Press ⏎ to select an item.

Using the optical joystick

You can move the highlighted marker in any direction by letting your finger glide over the navigation key. In Microsoft® Internet Explorer®, Messaging and Contacts, you can use the optical joystick to scroll instead.

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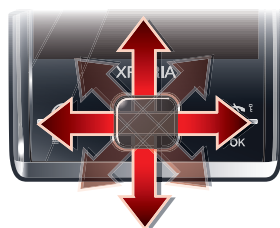
To enable key press simulation

1 Tap ⊞ > **Settings** > **System** > **Optical joystick**.
2 Mark or unmark the **Enable key press simulation** check box.

To enable mouse simulation

1 Tap ⊞ > **Settings** >**System** > **Optical joystick**.
2 Mark or unmark the **Enable mouse simulation** check box.

Screen lock

To lock the screen

• Press and hold ⌒⌝.

To lock the screen when the slide is open

1 Press ⊞ on the slideout keyboard.
2 Tap **Lock**.

To unlock the screen

• Slide 🔒 to the left or right on the screen.

To use a screen lock code

1 Select ⊞ > **Settings** > **Lock**.
2 Checkmark the **Prompt if phone unused for** box, select a time interval, and enter a code for unlocking the screen.
3 Tap **OK**, then confirm by selecting **Yes**.

Closing an application

To close an application

• Tap ✖ in any application window to close the application.

Status icons

You can tap an icon in the status bar to get more information or to start an application.

The following status icons may appear on your screen:

G	GPRS available	📶	Wi-Fi function enabled
H	HSDPA available	🔍↔	Scanning for available Wi-Fi connections
E	EDGE available	📡	Wi-Fi connected
3G	3G/UMTS available	📶	Signal strength
G	GPRS in use	▽	No signal
H	HSDPA in use	▽ₓ	Phone radio turned off
3G	3G/UMTS in use	📞	Voice call in progress
E	EDGE in use	📞...	Call on hold

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	Connection is active		Sound on
	Connection is not active		Sound off
	Missed call		Battery charging
	New incoming SMS or MMS.		Battery full
	Multiple notifications. Tap to view all		Bluetooth stereo headset detected
	Task manager		Synchronization ongoing
	Roaming		Bluetooth function on
	Stop running program		Bluetooth headset connected

Programs

The following programs can be found in the Start menu:

Description		
Office Mobile	Use the complete suite of Microsoft® Office applications for your phone.	
	Microsoft® Excel® Mobile	Create new workbooks or view and edit Excel workbooks.
	Microsoft® OneNote® Mobile	Make notes and gather information, all in one place.
	Microsoft® PowerPoint® Mobile	View PowerPoint slides and presentations.
	Microsoft® Word Mobile	Create, view, and edit Word documents.
Calendar	Keep track of your appointments and create meeting requests.	
Contacts	Keep track of your friends and colleagues.	
Internet Explorer Mobile	Browse Web and WAP sites as well as download new programs and files from the Internet.	
Messaging	Send and receive e-mails, text messages and picture messages.	
Phone	Make and receive calls, switch between calls, and set up conference calling.	
Help	See Help topics for the current screen or program.	
Games	Play any of the pre-installed games.	
Microsoft® Exchange ActiveSync®	Synchronize information between your phone and a computer or the Exchange Server.	
Adobe™ Reader™ LE	View PDF (Portable Document Format) files in your phone.	
Calculator	Perform basic calculations such as addition, subtraction, multiplication, and division.	
File Explorer	Organize and manage files in your phone.	
Getting Started	Read how to manage basic functions such as making a call and how to set the date and time, a background image, password and ring tone as well as transfer music and set up a Bluetooth headset and e-mail.	
Google Maps™	View your current location, find other locations and calculate routes.	
Internet Sharing	Connect your phone to the Internet using your phone data connection.	
Messenger	This is the mobile version of Windows Live™ Messenger.	
Notes	Create handwritten or typed notes, drawings, and voice recordings.	

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Pictures & Videos	View, organize and sort pictures, animated GIFs and video files in your phone or on a memory card.
Search	Search contacts, data, and other information in your phone.
Streaming Media	Stream live or on-demand video.
Tasks	Keep track of your tasks.
Windows Live	Use this mobile version of Windows Live™ to find information on the Web. Sign into your Windows Live account to access your Live Mail messages and send or receive instant messages in Live Messenger.

! Some programs described in this User guide are not supported by all networks and/or service providers in all areas.

Phone settings

To see all available settings
1 Tap 🍰 > **Settings**.
2 Tap and view one of the following settings:
   • The **Personal** folder
   • The **System** folder
   • The **Connections** folder
   • **Bluetooth**
   • **Clock & Alarms**
   • **Lock**
   • **Today**
   • **Backlight and Power Management**
   • **Communication Manager**
   • **Microsoft My Phone**

Personal

Description	
Accessibility	Set options for your phone's accessibility.
Input	Set options for each of the input methods.
Owner Information	Enter your personal information in your phone.
Phone	Customize phone settings such as ring tone, set a PIN number for your USIM/SIM card, and more.
Keyboard	Set options for the on-screen keyboard and enter your own words in the dictionary.
Sounds & Notifications	Enable sounds for events, notifications, and more, and set the type of notification for different events.

System

Description	
About	See basic information such as the Windows® Mobile version and the type of processor used in your phone. You can also specify a name for your phone.
Certificates	See information about certificates that are installed in your phone.
Clear Storage	Tap this icon only when you need to remove all your data and files from the memory and reset your phone to factory default settings.
Backlight and Power Management	Power saving settings.
Customer Feedback	Make Windows® Mobile better by participating in the Customer Experience Improvement Program.
Device Information	See information about the firmware version, hardware and identity.

Encryption	Allow files on your memory card to be encrypted. Encrypted files are readable only in your phone.
Error Reporting	Enable or disable the phone error reporting function. When this function is enabled and a program error occurs, technical data about the state of the program and your phone is logged in a text file and delivered to Microsoft technical support if you choose to send it.
External GPS	Set the appropriate GPS communication ports, if required. You may need to do this when there are programs in your phone that access GPS data or you have connected a GPS receiver to your phone. See Help for details.
Java™	Download and install Java applications, such as games and tools, in your phone.
Managed Programs	See the installation history for programs managed in your phone.
Memory	Check the phone memory allocation status and memory card information. You can also stop currently running programs.
Microphone AGC	Adjust the volume of your voice automatically when you are recording.
Optical joystick	Enable key press simulation and mouse simulation, and adjust sensitivity.
Regional Settings	Set the regional configuration to use, including the format for displaying numbers, currency, date, and time in your phone.
Remove Programs	Remove programs you installed in your phone.
Screen	Change the screen orientation, realign the screen, and change the screen text size.
Task Manager	Stop running programs and set the ✖ button to end programs immediately when you tap the button.
TV Output Mode	Set the signal type and screen fit mode.

Connections

Description	
Beam	Set your phone to receive incoming Bluetooth beams.
Connection Setup	Configure your phone data connections, such as GPRS, WAP, and MMS, based on the detected or selected network operator.
Connections	Set up one or more types of modem connections for your phone, such as phone dial-up, GPRS and more, so your phone can connect to the Internet or a private local network.
Domain Enroll	Enrolling in a domain connects your phone with company resources.
USB to PC	Set a USB serial connection between your phone and a computer.
Wi-Fi	Scan for available wireless networks.
Mobile Data	Settings for HSPA/HSUPA, GPRS, CSD Line type and SMS service.
Communication Manager	Enable or disable different communication channels.

SlideView

SlideView provides you with quick access to frequently used phone activities. It also gives you an overview of missed incoming activity, notifying you of any missed calls, emails, and text messages.

SlideView includes access to:

- Messaging
- Call history
- Calendar
- Media
- Panel Manager

To open SlideView
- Press 🖥.

To navigate SlideView
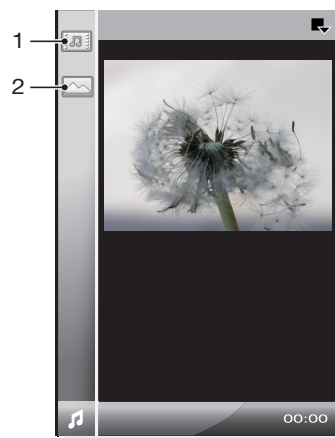
1   To select or open an item in the list, tap the item.
2   To go back to the previous view, tap the downmost icon in the bar on the left hand side (item number 2 in the image).
3   To go back to the **Media** view, tap the 🎞 in the bar on the left hand side (item number 1 in the image).

To use SlideView to switch between applications
1   When using an application in SlideView, press 📞.
2   Select another application.
3   Press 🖥 to return to the application you started in SlideView.

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Entering text

To enter text and characters, you can use:

- The slideout keyboard.
- The on-screen keyboard.
- Handwriting recognition features such as **Block Recognizer**, **Letter Recognizer** or **Transcriber**.

Using the slideout keyboard

- To type lower-case letters, press the relevant letter keys.
- To type a single upper-case letter, press 🔼 and then press the relevant letter key.
- To use all upper-case letters, press 🔼 twice. To change back to all lower-case letters, press 🔼 twice again.
- To type accented characters, press the letter key first, and then press 🔤 until the required character appears.
- To enter a number or a symbol (in blue or red on the upper right corner of some keys), press ▪ and then press the relevant key.
- To use all number or symbol keys, press ▪ twice and enter the relevant numbers or symbols.
- To verify entries or exit the program in use, press ok.

Using the on-screen keyboard

You can use the on-screen keyboard to enter text. The on-screen keyboard uses a built-in dictionary.

To enter text using the on-screen keyboard

1 In a program, tap the text input icon 📶 at the bottom of the screen.
2 Tap ▲, then tap **Keyboard**.
3 To enter text, tap the letters on the on-screen keyboard.
4 To select a suggestion, press the space key.

To enter punctuation marks and symbols using the on-screen keyboard

1 In a program, tap 📶 at the bottom of the screen.
2 Tap ▲, then tap **Keyboard**.
3 Select a punctuation mark or a symbol.

To change input language for the on-screen keyboard

1 Tap 🪟 > **Settings** > **Personal** > **Keyboard** > **Languages**.
2 Select the desired languages.

Word completion options

Word completion helps you enter text faster by suggesting words as you enter letters using the slideout keyboard or other input methods. You can set the number of suggested words to display, when to show the word list, and more.

To turn on Word completion

1 Tap 🪟 > **Settings** > **Personal** > **Input** and tap the **Word Completion** tab.
2 Make sure the **Suggest words when entering text** check box is marked.
3 By default, the suggested word list appears whenever you enter a space.
4 The suggested word list shows up to four words by default. You can change the number of words to display in the suggested list.
5 Make sure the **Enable Auto Correct** check box is marked if you want mistyped words to be corrected automatically.

-💡- The word database learns and adds more words as you enter new words during text entry. To delete the added words and reset the database, tap **Clear Stored Entries**.

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Using handwriting features

- In a program, tap the input icon ▦ at the bottom of the screen, tap ▲, and then tap a method.
- For help writing characters using **Block Recognizer**, **Letter Recognizer** or **Transcriber**, tap ⁇.

❗ Handwriting recognition features may not be available in all languages.

Using Letter Recognizer

With **Letter Recognizer**, you can write individual letters, numbers and punctuation marks, which are then converted into typed text.

❗ **Letter Recognizer** is available when text entry is possible.

To use Letter Recognizer

1 In a program, tap the input icon ▦ at the bottom of the screen, tap ▲, and then tap **Letter Recognizer**.
2 Write characters, numbers, and symbols in the designated writing area:
   - To enter upper-case letters, write in the **ABC** (left) area of the box.
   - To enter lower-case letters, write in the **abc** (middle) area of the box.
   - To enter numbers, write in the **123** (right) area of the box.
   - To enter symbols and punctuation, write in the **123** (right) area of the box, or tap ▦ and select from the on-screen symbol keyboard.

💡 You can get help and view writing demos by tapping ⁇ beside the writing area.

Using Block Recognizer

With **Block Recognizer**, you use a single stroke to write letters, numbers, symbols, and punctuation, which are then converted into typed text.

❗ **Block Recognizer** is available when text entry is possible.

To use Block Recognizer

1 In a program, tap the input icon at the bottom of the screen, tap ▲, and then tap **Block Recognizer**.
2 Write characters, numbers, and symbols in the designated writing area:
   - To enter letters, write in the **abc** (left) area of the box.
   - To enter numbers, write in the **123** (right) area of the box.
   - To enter symbols and punctuation, tap in either area of the box and write the desired character, or tap ▦ and select from the on-screen symbol keyboard.

💡 You can get help and view writing demos by tapping ⁇ beside the writing area.

Using Transcriber

With **Transcriber**, you can write anywhere on the screen, in cursive, print, or a combination of both styles. Your handwriting is then converted into typed text. For more information about using Transcriber, tap ⁇ in the Transcriber toolbar.

To use Transcriber

1 In a program, tap the input icon at the bottom of the screen, tap ▲, and then tap **Transcriber**.
2 Tap **ok** to close the Transcriber introductory screen that appears.
3 Write anywhere on the screen using the stylus. Your handwriting will be converted to text shortly after you lift the stylus from the screen.

To change Transcriber settings

- Tap ☰ in the Transcriber toolbar, select from the three tabs at the bottom of the screen and make the changes you require.

To view Transcriber handwriting demos

1. Tap ▨ in the Transcriber toolbar.
2. Tap a letter, then tap on one of the shapes at the top of the screen for a demo.
3. To close the Letter Shapes screen, tap **OK**.

! For more information about handwriting recognition and gestures in Transcriber, tap ⑦ in the Transcriber toolbar.

To enter punctuation and symbols using Transcriber

1. Tap ⊞ in the Transcriber toolbar.
2. Select punctuation or symbols as needed.

☀ To reposition the punctuation and symbols keyboard, tap and hold the title bar, then drag it to the desired location.

Using Notes

You can use Notes to enter various kinds of information. You can draw or write directly on the screen and save notes in your own handwriting. You can also create a stand-alone recording (voice note) or you can add a recording to a note.

Panels

The Panels interface lets you personalize your standby screen. You can view your chosen panels in different views, set panels to switch automatically, and download new panels.

! Some panels described in this User guide are not supported by all networks and/or service providers in all areas.

To open and close panel views

1 Press ▭.
2 Tap Panels.

You can double press ▭ to enter the panel view directly.

Switching between panels and applications

- In a panel or an application, double press ▭ to go to Favorites view.
- From a panel view, press ⤴ to return to the most recently used panel.
- In an application you started from the **Start** menu, press ⤴ to return to the most recently used panel.

Panel manager

With the panel manager you can display the panels in different views, edit settings for the auto panel switching and download new panels.

▦	Favorites view
▤	List view
▣	Auto Panel switching
⚙	Settings

Favorites view

Your nine favorite panels are displayed in this view. You can set panels as favorites from the List view.
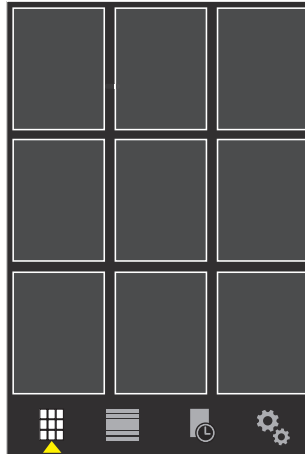
To open a panel from the Favorites view

- Tap the panel you want to open.

List view

Here you can set panels as favorites and read information about some of them. You can also filter the list of displayed panels.
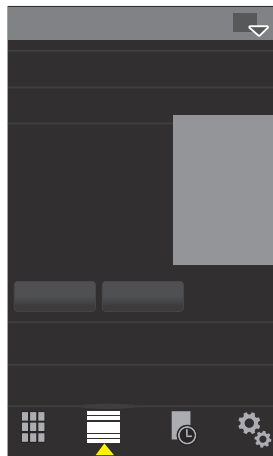
To open a panel from List view

1 Drag the list such that the desired panel is highlighted.
2 Tap **Activate**.

To add a panel to your Favorites

1 From the List view, select a panel.
2 Tap **Favorite**.

To filter panels

1 From the List view, tap .
2 Select a filter.

Auto panel switching

Auto panel switching changes the current panel automatically at a selected time.
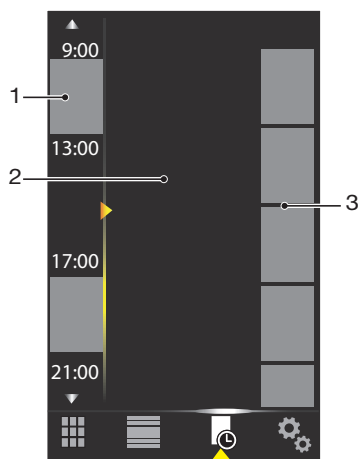
1	Timeline
2	Added panels in timeline
3	Available panel list

To change the time in the timeline

- In Auto panel switching view, tap ⬆ or ⬇.

To add panels to the timeline

- Drag the panels you want from the available panel list to the timeline.

To remove panels from the timeline

- Drag the panels you want to remove from the timeline to the available panel list.

Panel manager settings
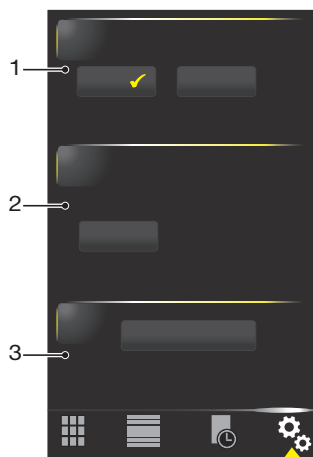
1	**Auto panel switching** on/off - Turn **Auto panel switching** on or off.
2	Release information/**Update** - Download the latest version of the Panel manager application. If the current Panel manager application is the latest version the **Update** is disabled.
3	**Get more panels** - Download new panels for your device.

Tilewave panel

This panel gives you an overview of features through a 3D interface. You can access the features with a single tap. Time, date, and weather are updated automatically when you select a city, and you are connected to the Internet. You can change RSS feed source and choose how often you want the RSS feeds to be updated.

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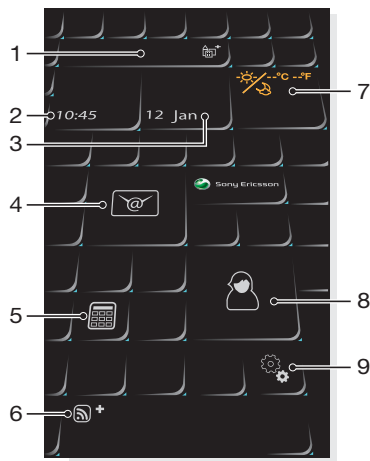
1	City
2	Time
3	Date/Calendar
4	Messages
5	Calculator
6	RSS feed
7	Weather
8	Contacts
9	Settings

To change city

1 Tap 🎛 and tap the **Time** tab.
2 Tap the **Select city** box.
3 Enter the city name and tap **Search**.
4 Select a city and tap **OK**.

To view RSS feeds

• Tap 🔊.

To change an RSS feed source

1 Tap 🎛 and tap the **RSS** tab.
2 Tap beside an empty check box and enter the address for the RSS feed source.
3 Tap on the check box to enable the new RSS feed source.
4 Tap **OK**.

To change the update frequency of the RSS feeds

1 Tap 🎛, then tap the **RSS** tab.
2 Mark the **Web feeds enabled** check box.
3 Select an update frequency from the drop-down list and tap **OK**.

CNN panel

The CNN panel gives you an overview of the latest news around the world.

1	Time and weather
2	Latest news
3	Filter

Time and weather

The time and weather are updated automatically when you enter a city name and are connected to the Internet.

To change the time and weather

1 Tap **Add city**.
2 Enter the name of a city and press ⏎.
3 Select a city from the search list and tap **OK**.

Latest news

Scroll between the latest news and use filters to show specific news.

To change filters

1 Tap **All topics**.
2 Select a filter and tap it.

Pixel City panel

You can access a number of features through the Pixel City panel. Many details and visual behaviours are connected to different features. You can discover the whole city by flicking to the sides.
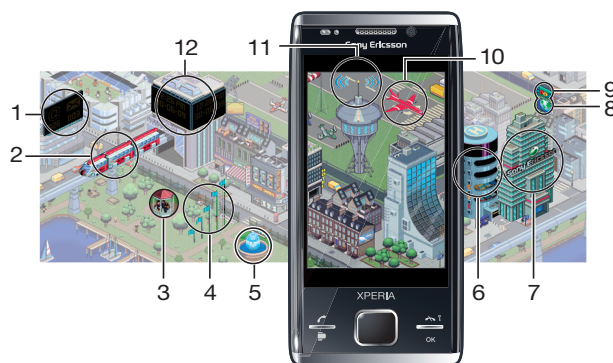
| 1 | Messages and e-mails. |
| 2 | Calendar appointments. When there is a calendar appointment coming up in the day, the train will appear. |

3	Silent mode. The musicians play music at the bandstand in the park when the phone is not in silent mode. The musicians disappear under the bandstand when silent mode is on.
4	Signal level. The number of flags indicates the signal level.
5	The Bluetooth function. The fountain will flow with water when the Bluetooth function is on. When the Bluetooth function is off, the fountain is still.
6	Battery level. The number of filled car park levels indicates battery level status.
7	Sony Ericsson website.
8	Google Maps.
9	Google website.
10	Calls. A red airplane will fly in and stop on the runway after you miss a phone call.
11	Wi-Fi on/off. The air control tower will emit signal waves when Wi-Fi is on.
12	Time and date.

Growing panel

The Growing panel notifies you about different activities. The view of the Growing panel changes depending on the time and date.
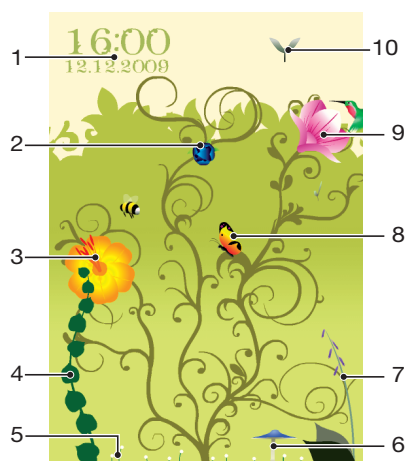
1	Time and date.
2	E-mails. An open flower indicates you have unread e-mail messages.
3	Messages. An open flower indicates you have unread messages.
4	Battery level. The ivy plant indicates the phone battery level.
5	Wi-Fi. The numbers of daisies visible indicates the Wi-Fi signal strength.
6	The Bluetooth function. The mushroom grows when the Bluetooth function is turned on. When the Bluetooth function is turned off, the mushroom withers.
7	Signal level. When the foxglove is extended with open flowers, the signal strength is high.
8	Calendar appointments. A butterfly flies in four hours prior to a calendar appointment. A firefly comes in the night time (18:00 - 06:00), in place of the butterfly.
9	Calls. An open flower indicates that you have missed calls.
10	Silent mode. Sycamore seeds falls randomly when silent mode is turned off.

Spb Mobile Shell professional panel

This panel has all the information you need to use your phone while at work or at home. You can access many features from different views. The two main views are the Professional home view and the Launcher view. The Professional home view contains

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everything you would need in a work situation while the Launcher view gives you access to your favorites and most recently used applications.

To change the view

1 From the Professional home view, tap ▦.
2 Swipe to select the view you want to display.

To edit favorites in Launcher view

1 From Professional home view, tap 🖼 to enter the Launcher view.
2 Tap ▤ > ★.
3 Tap ★ or ▨ to add or delete favorite applications.
4 When you are finished editing, tap ☑.

To return to Professional home view

• From any other view in the Spb Mobile Shell professional panel, tap ◀.

Downloading new panels

To download new panels

• From the Panel settings view, tap **Get more panels**.

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Calling

Making and receiving calls

You can use your phone to make, receive and keep track of calls and messages. You can also dial directly from Contacts or from the Call History. To make or receive a phone call, your phone must be within range of a network.

Making calls

Phone screen overview

Press to start the dialer.
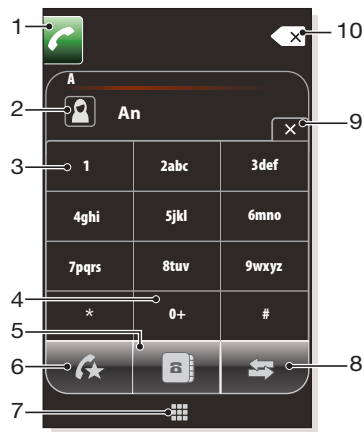
1	Call key. After dialing, tap this key to make a call
2	Speed dial, Contacts or Call history screen
3	Voicemail. Tap and hold to access your voicemail
4	Tap and hold to get the + sign, the international call prefix
5	Tap to access Contacts
6	Speed dial. Tap to access your speed dial entries
7	Keypad. Tap to show or hide the keypad
8	Call History. Tap to access the logged call information
9	Keypad. Tap to hide the keypad
10	Delete. Tap to erase each subsequent digit of an entered number, or tap and hold to erase the whole number

To make a call using the keypad

1   Press .
2   If the keypad is not visible, tap .
3   Enter the phone number, starting with the area code, by tapping the number keys.
4   Tap .

To end a call

- To end an ongoing call, press .

To make international calls

1. Press ☎.
2. Tap and hold down 0+ until the international call prefix **+** appears.
3. Enter the country/region code, area code (without the initial zero) and phone number.
4. Tap ☎.

To make a call from Contacts

1. Press ☎.
2. Tap ▣.
3. Hide the keypad if necessary.
4. Scroll to the contact you want to call.
5. Tap the contact to see all of the contact's phone numbers.
6. Tap the number you want to call.

The Call History

You can view information about answered, dialled and missed or rejected calls, such as phone numbers, date, time and call length.

To open the Call History

1. Press ☎.
2. Tap ▤.

To make a call from the Call History

1. Press ☎.
2. Tap ▤.
3. Scroll through all calls and tap the entry you want to view.
4. Tap the number you want to call.

Receiving calls

To answer a call

- Press ☎.

To reject a call and send a busy tone

- When you get an incoming call, press ☎.

To turn off the ringtone without answering a call

- Press the volume key.

Rejecting a call with an SMS text message

This feature lets you reject a call by sending an SMS text message with a pre-defined content to the calling party. Before you use this feature you need to enable it.

To enable the Reject call with text message feature

1. Press ☎.
2. Tap **Menu** > **Options**, then tap the **Advanced** tab.
3. Mark the **Reject call with text message:** check box.
4. Enter the text message that should be sent to the calling party when you reject a call.
5. Tap **OK**.

To reject a call with a text message

1. When you get an incoming call, tap **Send text message**.
2. Modify the text, if necessary.
3. Tap **Send** to send the text message to the caller.

Emergency calls

Your phone supports international emergency numbers, for example, 112 or 911. You can normally use these numbers to make emergency calls in any country, with or without the SIM card inserted, if you are within range of a network.

! In some countries, other emergency numbers may also be promoted. Your network operator may therefore have saved additional local emergency numbers on the SIM card.

To make an emergency call

1   Press 📞 .
2   To display the Phone keypad, if not already displayed, tap ▦.
3   Dial the local emergency number, or look it up on the SIM card, if available.
4   Tap 📞.

Speed Dial

You can use **Speed Dial** to speed up dialing to the contacts that you call most frequently. You can store speed dial numbers in positions 2 to 99 (position 1 is reserved for your voicemail). If you, for example, want to call the contact you have stored in position 3, you just tap and hold number key 3 on the Phone keypad. To call a contact stored in positions 10 to 99, tap the first number key and then tap and hold the second number key. Before you can create a **Speed Dial** entry, the contact must already exist in Contacts.

To create a Speed Dial entry

1   Press 📞 .
2   Tap ▣.
3   Tap and hold down on the contact you want to assign to the speed dial key.
4   Tap **Add to Favorites...**.
5   Select the phone number you want to be assigned to the speed dial key.
6   Select an available position, which will be used as the speed dial number for this contact.

Networks

You can view which mobile phone networks are available and arrange them in the order that you want your phone to access them. For example, if your first preferred network is unavailable, your phone will try to access your second preferred network.

Network coverage

To make or receive a phone call, your phone must be within range of a network.

Roaming

When you turn on your phone, it automatically selects your home network if it is within range. If it is not within range, you can use another network that is accepted by your operator. This is called roaming.

Network settings

You can set how your phone should choose an available network when you are outside your operator coverage area.

To enter network settings

1   Press 📞 and tap **Menu** > **Options**.
2   Tap the **Network** tab and enter the settings.

To view available networks

1 Press .
2 Tap **Menu** > **Options** and tap the **Network** tab.
3 Under **Network selection**, select **Manual**. The list of available networks is then displayed.

To set preferred networks

1 Press .
2 Tap **Menu** > **Options** and tap the **Network** tab
3 Tap **Set Networks** and follow the instructions on the screen to arrange the networks according to your preferences.
4 After arranging the networks in the preferred order, tap **ok** to return to the **Network** tab.
5 In the **Network selection** list, select **Automatic**.
6 Tap **ok**.

More phone features

To adjust the ear speaker volume during a call

• Press the volume key up or down.

To adjust the default ear speaker volume

1 Tap the status icon .
2 Move the on-screen volume slider to the desired level by tapping and dragging it.
3 Tap .

Phone services

Your phone can directly link to your mobile phone network, and allow you to access and change the settings of various phone services. Phone services may include Call Forwarding, Call Waiting, Voicemail and more. You can contact your wireless service provider to find out more about the availability of services for your phone.

Smart Dialing

Your phone uses the Smart Dialing feature, which makes it easy for you to dial a phone number. When you start entering a phone number or a contact name, your phone automatically searches for a match in Contacts, on the SIM card or in the Call History. A filtered list of phone numbers or contact names is shown, from which you can select a number to dial. No settings can be entered for this feature.

Conference calls

With a conference call, you can have a joint conversation with up to five people.

To set up a conference call

1 Make a call.
2 Put the call on hold and make a new call, or accept a new incoming call.
3 Tap **Menu** > **Conference**.

Adding a contact to Contacts after a call

This feature means you can save a new phone number automatically to Contacts after a call. Before you use this feature, you need to enable it.

To enable the automatic saving of phone numbers after a call

1 Press .
2 Tap **Menu** > **Options**.
3 Tap the **Advanced** tab.
4 Mark the check box **Add new phone number to Contacts at the end of call**.
5 Tap **OK**.

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Setting up your phone

Basic settings

Owner information

Having owner information displayed on the **Today** screen makes it easier for someone to return your phone to you if it is lost.

To enter owner information

1 Tap ⊞ > **Settings** > **Personal** > **Owner Information**.
2 On the **Identification** tab, enter your personal information.

To display owner information when the phone is turned on

1 Tap ⊞ > **Settings** > **Personal** > **Owner Information**.
2 On the **Options** tab, mark the **Identification information** check box.
3 If you want additional text displayed, tap the **Notes** tab and enter the text, for example, Reward if found.
4 On the **Options** tab, mark the **Notes** check box, then tap **ok**.

Time and date

To set time and date

• Tap ⊞ > **Settings** > **Clock & Alarms** > the **Time** tab.

To set time and date for a different location

1 Tap ⊞ > **Settings** > **Clock & Alarms** > **Time** tab.
2 Tap **Visiting**.
3 Select the correct time zone and change the time or date.

Regional settings

The style in which numbers, currency, dates, and times are displayed is specified in regional settings.

To change regional settings

1 Tap ⊞ > **Settings** > **System** > **Regional Settings**.
2 On the **Region** tab, select your region from the list.
3 To customize settings further, tap the appropriate tabs and select the desired options.

! Changing region does not change the Operating System language of your phone.

! The region you select determines which options will be available on the other tabs.

Personalizing

Personalizing the Today Screen

The **Today** screen shows your upcoming appointments, active tasks, and information about incoming messages. You can customize what to display on the **Today** screen.

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To customize the Today screen

1 Tap ![icon] > **Settings** > **Today**.
2 On the **Appearance** tab, select the desired theme for the background of the **Today** screen.
3 On the **Items** tab, select the items you want to appear on the **Today** screen.

☀ The default **Today** screen displays the items that you selected. If you make other selections the Windows Default will be unchecked.

To change the order of items displayed on the Today screen

1 Tap the **Items** tab.
2 Tap **Move Up** or **Move Down**.

To use a custom background image

1 Tap ![icon] > **Settings** > **Today**.
2 Mark the **Use this picture as the background** check box, and tap **Browse** to view a list of your picture files.
3 Tap the file name of the picture you want to use.
4 Tap **ok**.

☀ For best viewing it is recommended that the image is saved as 480x800.

To set options for displaying appointments on the Today screen

1 Tap ![icon] > **Settings** > **Today**.
2 Tap the **Items** tab.
3 Tap the **Calendar** text. You need to tap the word Calender and not the checkbox.
4 Tap **Options**
5 Do any of the following:
   • Select **Next appointment** to show only the next appointment in your schedule, or **Upcoming appointments** to show multiple appointments.
   • Unmark the **Display all day events** check box if you do not want to display all-day events.

To set options for displaying tasks on the Today screen

1 Tap ![icon] > **Settings** > **Today**.
2 Tap the **Items** tab.
3 Tap **Tasks**. You need to tap the word Tasks and not the checkbox.
4 Tap **Options**.
5 Do any of the following:
   • Under **Display number of**, mark check boxes for the type of tasks you want to appear on the Today screen.
   • In the **Category** list, select whether to display only tasks assigned to a specific category or to display all tasks.

Customizing phone settings and services

You can customize phone settings, such as the ring type and ring tone to be used for incoming calls, and the keypad tone to be used when entering phone numbers. You can also set up your phone to use phone services such as Call Waiting, Call Forwarding and more.

To access phone settings and services

• Tap ![icon] > **Settings** > **Personal** > **Phone**.

Ringer settings

To change ring type and ring tone for an incoming call

1 Tap ![icon] > **Settings** > **Personal** > **Sounds & Notifications** > the **Incoming call** tab.
2 Select **Ring type**.
3 Select **Ring tone**.

Phone services

Your phone can directly link to your mobile phone network, and allow you to access and change the settings of various phone services. Phone services may include Call Forwarding, Call Waiting, Voicemail and more. You can contact your wireless service provider to find out more about the availability of services for your phone.

To access and change settings for phone services

1 Tap ⊞ > **Settings** > **Personal** > **Phone** > the **Services** tab.
2 Select the service you want to use, then tap **Get Settings...**.
3 Choose your desired options, then tap **ok**.

Protecting the phone

You can protect the phone from unauthorized or accidental use by activating locks.

SIM protection

This lock only protects your subscription. Your phone will work with a new SIM card. If the lock is on, you have to enter a PIN (Personal Identity Number).

If you enter your PIN incorrectly three times in a row, the SIM card is blocked and you need to enter your PUK (Personal Unblocking Key). Your PIN and PUK are supplied by your network operator.

To activate SIM protection

1 Press 📞 .
2 Tap **Menu** > **Options** > the **Security** tab.
3 Mark the **Require PIN when phone is used** check box.
4 Tap **OK**.

❗ Your PIN is supplied by your network operator.

Phone protection

You can stop unauthorised use of your phone. Change the phone lock code (0000) to any four-to-eight-digit personal code.

❗ It is important that you remember your new code. If you forget it, you need to take your phone to your local Sony Ericsson retailer.

To activate phone protection

1 Tap ⊞ > **Settings** > **Lock**.
2 Mark the **Prompt if device is unused for** check box, and tap a time.
3 Select **Password type**, confirm the password and tap **ok**.

IMEI number

Keep a copy of your IMEI (International Mobile Equipment Identity) number in case your phone is stolen.

To view your IMEI number

- You can find the IMEI number under the battery.

To encrypt data on your storage card

1 Tap ⊞ > **Settings** > the **System** tab > **Encryption**.
2 Mark the **Encrypt files placed on a storage card** check box.

! • Encrypted files can be read only on the phone that encrypted them.
  • Encrypted files are opened just like other files, provided you are using the phone that encrypted them. There is no separate step for you to take to read these files.

! If Encrypt files placed on storage cards is or was enabled before, then backup all files from the storage card before using Clear Storage, hard reset or updating the ROM system software. Otherwise you will no longer be able to access the encrypted files on the storage card. Use Exchange ActiveSync® or Windows Mobile Device Center to transfer files between your storage card and computer. After the procedure, copy your files back to the storage card.

Other settings

Phone name

The phone name is used to identify your phone in the following situations:

• Synchronizing with a computer
• Connecting to a network
• Restoring information from a backup

! If you synchronize multiple phones with the same computer, each phone must have a unique name.

To change the phone name

1 Tap ⊞ > **Settings** > **System** > **About**.
2 Tap the **Device ID** tab.
3 Enter a new name.

! The phone name must begin with a letter, consist of letters from A to Z, numbers from 0 to 9, and cannot contain spaces. Use the underscore character to separate words.

Display settings

To increase or decrease the size of text on the screen

1 Tap ⊞ > **Settings** > **System** > **Screen** > the **Text Size** tab.
2 Move the slider to increase or decrease the text size.

Alarms and notifications

To set an alarm

1 Tap ⊞ > **Settings** > **Clock & Alarms** > the **Alarms** tab.
2 Tap **<Description>** and enter a name for the alarm.
3 Tap the day of the week for the alarm. You can select multiple days by tapping each desired day.
4 Tap the time to open a clock and set the time for the alarm.
5 Tap the alarm icon to specify the type of alarm you want. To choose a sound, tap the list next to the **Play sound** check box and select a sound. Tap **OK** to confirm.

! The alarm will not sound if the phone is turned off.

To choose how to be notified about events or actions

1 Tap ⊞ > **Settings** > **Sounds & Notification**.
2 On the **Sounds** tab, choose how you want to be notified by marking the appropriate check boxes.
3 On the **Notifications** tab, tap an event name and choose how you want to be notified by marking the appropriate check boxes. You can choose from several options, such as a special sound, a message, or a flashing light.

Synchronizing

By regularly synchronizing your data you can always keep the information in your phone up-to-date, wherever you are. You can synchronize several types of information between your phone and a computer:

- Microsoft® Outlook® information – e-mail messages, contacts, calendar items, tasks and notes
- **Media** – photos, videos and music
- **Favorites** – Web page bookmarks under **Mobile Favorites**
- Files – Microsoft® Office documents, pdf files, and more

Before you can synchronize

Before you can synchronize, you need to install and set up the synchronization software on your computer.

- If you are using Windows XP you should first install Exchange ActiveSync® before you can set up synchronization. For more information, see *To install Exchange ActiveSync®* on page 34 and *To set up synchronization in Windows XP* on page 35.
- If you are using Windows Vista you may not need to install any software, but you need to set up synchronization. For more information, see *To set up synchronization in Windows Vista* on page 35.

To install Exchange ActiveSync®

1 Go to *www.sonyericsson.com/X2support* to download the latest version of the Exchange ActiveSync® application to your computer.
2 Follow the on-screen instructions to install the software.

Synchronization methods

After you have installed the synchronization software, you can synchronize your phone with your computer using one of these methods:

- USB connection – When you connect a USB cable between your phone and a computer, the synchronization starts automatically.
- Bluetooth connection – You must first set up a Bluetooth partnership between your phone and the computer before you can start the synchronization. For more information, see *Bluetooth™ partnership* on page 55.
- Wireless connection – Synchronize with an Exchange Server using Exchange ActiveSync® or Windows Mobile Device Center.

⠀‍💡⠀ You are recommended to synchronize frequently in order to keep the information in your phone and computer up-to-date.

Setting up synchronization

- If your computer uses Windows XP® or other compatible Windows operating system, you should use Microsoft® Exchange ActiveSync® 4.5 or later.
- If your computer uses Windows Vista®, you should use Windows® Mobile Device Center, which is part of the operating system.

To set up synchronization in Windows XP

1 Install Microsoft Exchange ActiveSync® on the computer. For more information, see *To install Exchange ActiveSync®* on page 34.
2 Connect the phone to the computer using the USB cable that comes with the phone. The *Synchronization Setup Wizard* automatically starts and guides you through the creation of a synchronization partnership.
3 **Computer:** Click *Next*.
4 To synchronize your phone with the computer, mark the **Synchronize directly with a server running Microsoft Exchange** check box and click **Next**.
5 Select the information types that you want to synchronize, then click **Next**.
6 Click **Finish**.

To set up synchronization in Windows Vista

1 Connect your phone to the computer using the USB cable.
2 **Computer:** The Windows® Mobile Device Center automatically starts. Click **Set up your device**.
3 Select the information types that you want to synchronize.
4 Type a name for your phone, and click **Set Up**.

Starting synchronization

To start synchronization from Exchange ActiveSync® on a computer

- Connect your phone to the computer using the USB cable. Exchange ActiveSync® opens automatically and the synchronization starts.

To start synchronization from Exchange ActiveSync® in the phone

1 Connect your phone to the computer using the USB cable.
2 **Phone:** Tap ⊞ > **ActiveSync**.
3 Tap **Sync**.

To start synchronization from Windows® Mobile Device Center on a computer

1 Connect your phone to the computer using the USB cable.
2 **Computer:** Click *Start > All Programs > Windows Mobile Device Center*.
3 Click ⟳ at the lower left part of the Windows® Mobile Device Center window.

Synchronizing using a Bluetooth connection

You can connect and synchronize your phone with a computer using a Bluetooth connection.

❗ The computer must have built-in Bluetooth functionality, or you must use a Bluetooth adapter or dongle together with the computer.

To synchronize using a Bluetooth link

❗ If this is the first time you connect to this computer using a Bluetooth link, you must first complete the Bluetooth wizard in your phone and set up a Bluetooth partnership between your phone and the computer. For more information, see *Bluetooth™ partnership>* on page 55.

1 Set up Windows® Mobile Device Center or Exchange ActiveSync® on the computer. See Help in the phone for instructions.
2 **Phone:** Tap ⊞ > **ActiveSync**.
3 Make sure the Bluetooth function in both your phone and the computer is turned on and that the devices are set to visible. For more information, see *To turn on Bluetooth™ functionality and make your phone visible* on page 55.
4 **Phone:** Tap **Menu** > **Connect via Bluetooth**.

💡 To conserve battery power, turn off the Bluetooth function when not in use.

Scheduled synchronization

Scheduled synchronization allows you to set specific times for when your phone should connect and synchronize with the Exchange Server. This is an alternative to Direct Push, where all changes and new items are immediately pushed from your phone to a computer and from the computer to your phone.

With scheduled synchronization you can set a regular schedule for synchronizing Outlook e-mail and other information. You can set how often to synchronize during peak times (which usually refer to your working hours) when e-mail volume is high, as well as off-peak times when e-mail volume is low.

To set up scheduled synchronization

1 Tap ■ > **ActiveSync**.
2 Tap **Menu** > **Schedule**.
3 Select a time interval in the **Peak times** box for how frequently you want to receive e-mail.
4 Select a time interval in the **Off-peak times** box.
5 Mark the **Send/receive when I click Send** check box.
6 Tap **Adjust peak times to fit your schedule** to set the days and hours that make up your peak and off-peak times.

-ᗺ́- To disable all scheduled synchronization, set the values in the **Peak times** and **Off-peak times** boxes to **Manually**.

Changing which information is synchronized

You can change the information types and the amount of information to synchronize for each type, either on your phone or on the computer.

❗ Before changing the synchronization settings on your phone it must be disconnected from the computer.

To change which information is synchronized

1 Tap ■ > **ActiveSync**.
2 Tap **Menu** > **Options**.
3 Mark the check boxes for the items you want to synchronize.
4 To change synchronization settings for an information type, select it and tap **Settings**. This allows you to set the download size limit, specify the time period of information to download, and more.

Using Windows Mobile Device Center

In Windows Mobile Device Center you can:

- Access synchronization settings to view and change them
- Tag and transfer photos from your phone to the Photo Gallery on your Windows Vista PC
- Synchronize music and video files using Windows Media® Player.
- View documents and other files in your phone

❗ See Windows Mobile Device Center Help for more information.

To access synchronization settings using Windows Vista

1 Connect your phone to your computer using the USB cable.
2 **Computer:** Click *Start* > *All programs* > *Windows Mobile Device Center*.
3 Click *Mobile Device Settings* > *Connection settings*.

To tag and transfer photos from your phone using Vindows Vista

1 Connect your phone to your computer using the USB cable.
2 **Computer:** Click *Start* > *All Programs* > *Windows Mobile Device Center*.
3 Click *Pictures, Music and Video* > *X new pictures/video clips are available for import*. A wizard will guide you through the process.

To synchronize music and video files using Windows Media Player

1 Connect your phone to your computer using the USB cable.
2 **Computer:** Click *Start > All Programs > Windows Mobile Device Center* on your Windows Vista computer.
3 Click *Pictures, Music and Video > Add media to your device from Windows Media Player*.

To view documents and files in your phone using Windows Vista

1 Connect your phone to your computer using the USB cable.
2 **Computer:** Click *Start > All Programs > Windows Mobile Device Center*.
3 Click *File Management > Browse the contents of your device*.

Personal Information Management

Personal Information Management (PIM) includes handling of contacts, tasks, your calendar and more.

Contacts

Contacts is your address book and information storage for the people and businesses you communicate with. There are three types of contacts that you can create on your phone:

- **Microsoft® Office Outlook® contacts**. Contacts that are stored on your phone, which can be created on your phone or synchronized with your computer or the Exchange Server. For each contact you can store phone numbers, e-mail addresses, instant messaging (IM) names, company and home addresses and information such as job title, birthday, and a lot more. You can also add a picture and assign a ring tone to an Outlook contact.
- **SIM contacts**. Contacts that are stored on the SIM card. Only the name and a phone number can be stored for each entry.
- **Windows Live™ contacts**. Contacts that you communicate with using Windows Live™ Messenger or MSN. Just like Outlook contacts, you can also enter complete information for a Windows Live contact. For more information, see *Windows Live Messenger*.

-ᶿ- You can also add Windows Live™ contacts after you have set up Windows Live™ on your phone.

Managing contacts

Use **Contacts** to create and save contacts on your phone memory or your SIM card.

To add an Outlook contact

1   Tap 🯅 > **Contacts**.
2   Tap **New**, select **Outlook Contact** and enter the contact information.
3   In the **File as** field, choose how you want the contact name to appear in the contact list.
4   To add a photo of the contact, tap **Select a picture...**, then select the picture file or tap **Camera** to take a photo of the contact. This photo appears on the Phone screen when you receive a call from the contact.
5   To assign a ring tone to the contact, tap the **Ring tone** field, scroll through the list of tones, then select a desired ring tone.
6   Finish by tapping **OK**.

-ᶿ- If someone who is not in your list of contacts calls you, you can create a contact from Call History by tapping and holding a phone number and then tapping **Save to Contact** from the shortcut menu.

To save a contact on the SIM card

1   Tap 🯅 > **Contacts**.
2   Tap the contact.
3   Select **Menu** > **Save to SIM**.

To copy a contact from the SIM card

-ᶿ- The SIM contacts are marked with 🟧.

1   Tap 🯅 > **Contacts**.
2   Tap the contact.
3   Select **Menu** > **Save to Contacts**.

Messaging

You can receive text messages (SMS), multimedia messages (MMS), and e-mails in your phone. When you receive new messages, you can open them from the Today screen. You can simply tap the type of message that you want to open.

To select a messaging account
1   Tap ⊞ > **Text** for text and multimedia messages, or tap ⊞ > **E-mail** for e-mail messages.
2   From the account picker, select an account.

To select a messaging account from a message list
• When viewing a list of messages, tap **Menu** > **Go To** to switch to other types of messaging accounts.

To open a text or multimedia message
1   Tap ⊞ > **Text**.
2   Tap the desired conversation.
3   Tap the text or multimedia message.

To navigate between folders
1   Tap ⊞ > **Text**.
2   Tap **Menu** > **Go To** > **Folders...**.
3   Tap the folder you want to open.

To configure messaging account settings
• Tap **Menu** > **Options** on the account picker screen.

To configure messaging account settings from a message list
• Tap **Menu** > **Tools** > **Options**.

SMS

You can send short text messages up to 160 characters long to other mobile phones using SMS (Short Message Service).

Before you use SMS, you must have a service center number. The number is supplied by your service provider and is usually saved on the SIM card the first time you start your device with the SIM inserted. If not, you should contact your service provider.

To create and send a text message
1   Tap ⊞ > **Text**.
2   Tap **Menu** > **New** > **Text message**.
3   Enter the phone number manually or tap **To:** to add a phone number from **Contacts**.
4   Tap the text area and enter the text.
5   Tap **Send**.

To request a delivery notification while composing a new message
1   Tap **Menu** > **Message Options...**.
2   Select the **Request message delivery notification** check box.

To always receive a delivery notification
1   In the text message list, tap **Menu** > **Tools** > **Options**.
2   Tap **Messages**.
3   Tap the **Request deliver notifications** check box.

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Receiving text messages

Text messages are automatically received when the phone function is turned on. When the phone is turned off, text messages are held by your wireless service provider until the next time the phone is turned on.

To view a message

1 When you receive a new text or multimedia message, ▧ appears on the screen.
2 Tap ⊞ > **Text**.
3 Tap a conversation list.
4 In the conversation list, tap the message.

To copy text messages to the SIM card

1 Tap ⊞ > **Text**.
2 In the conversations list, select the conversation.
3 In the messages list, select the text message you want to copy.
4 Tap **Menu** > **Copy to SIM**.

To copy text messages from the SIM card

1 Tap ⊞ > **Text**.
2 In the message list, tap the message you want to copy.
3 Select **Menu** > **Copy to Phone**.

! Text messages stored on your SIM card are automatically displayed in the Inbox folder. Copying them to your phone results in duplicate messages in the Inbox folder when your SIM card is in use.

MMS

In a message sent using MMS (Multimedia Messaging Service), you can include pictures, video, and audio clips.

! Please note that MMS is a charged service and has to be provisioned on your mobile account. Contact your service provider for details. Please make sure the size of multimedia messages that you send is within the limits allowed by your service provider.

Creating and sending

To create and send a multimedia message

1 Tap ⊞ > **Text**.
2 Tap **Menu** > **New** > **Multimedia Message**.
3 Tap a template or tap ▨ to open a blank picture message.
4 Enter the phone number manually after **To:** or tap **To:** to add a number from **Contacts**.
5 Enter a subject.
6 Tap the image area to insert a photo or a video clip.
7 Tap **Insert Text** to enter text.
8 Tap **Insert Audio** to insert audio.
9 Tap **Send**.

To add more slides

● Tap **Menu** > **Slide** > **Add**.

 While on a slide, you can:
 ● Tap **Menu** > **Preview** to preview the slide.
 ● Tap ◁ to go to the previous slide.
 ● Tap ▷ to go to the next slide.

Adding text

When writing a multimedia message, you tap **Insert text** to start adding text. You can insert special text items such as the following:

Menu > **My Text**	Choose from common words or phrases from the My Text list
Menu > **Insert** > **Text** > **Bookmark**	Include a Favorites link
Menu > **Insert** > **Text** > **Smiley**	Add an emoticon
Menu > **Insert** > **Text** > **Contact**	Insert contact information

To edit or delete a phrase on the My Text list, tap **Menu** > **My Text** > **Edit My Text Messages....**

Adding photos and video clips when writing a multimedia message

When you are writing a multimedia message you have the following options for inserting a photo or video clip:

Command	Function
Tap **Menu** > **Insert** > **Image or Video**	Insert a saved photo or video clip
Tap **Menu** > **Insert** > **Click Photo**	Start the camera application to take a photo
Tap **Menu** > **Insert** > **Shoot Video**	Start the video camera to let you record a video clip
Tap the image area, then browse to a picture or video and select it	Insert a saved picture or video

Adding an audio clip

You can add one audio clip per slide in your multimedia message.

To add an audio clip when writing a multimedia message

1 Tap **Insert Audio**.
2 Tap an audio clip.
3 Tap **Menu**. You can **Prelisten**, **Record Audio** (record a new clip), or browse for audio clips in **My Music** or any other directory in your phone or on the memory card.

Options when composing

When composing a multimedia message, you can also do the following:

Command	Function
Tap **Menu** > **Slide** > **Slide Settings** > **Menu** > **Background Color**.	Lets you choose a background color
Tap **Menu** > **Slide** > **Slide Settings** > **Menu** > **Swap Layout**.	Lets you choose whether to place the text above or below the photo or video clip
Tap **Menu** > **Sending Options**.	Lets you set the priority of the multimedia message
Tap **Menu** > **Insert** >**Attachment**.	Lets you include a contact card, calendar appointment, or any file as an attachment

Viewing and replying

Viewing a multimedia message

When viewing a multimedia message, you have the following options

- If the message contains more than one slide, use the playback controls ▷ and ◁.
- To pause the message view, tap **Pause**. To resume, tap **Resume**.
- To save files included in the multimedia message, such as images, attachments and sounds, tap **Menu** > **View objects**.

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To view a message

1. When you receive a new text or multimedia message, ▣ appears on the screen.
2. Tap ▣ > **Text**.
3. Tap a conversation list.
4. In the conversation list, tap the message.

To set a received photo as Today background

1. Open the multimedia message.
2. Tap **Menu** > **View Objects**.
3. Tap the photo.
4. Tap **Menu** > **Set as Today Background**.
5. Tap **Done**.

To reply to a message

1. When you are viewing the message, tap **Menu** > **Reply/Forward**.
2. Select an option.

-ᛟ- When you use **Reply all**, you will send a reply to all persons listed in **From:**, **To:**, **Cc:**, and **Bcc:**. The reply will by default be a multimedia message. To make the reply a text message, select **Menu** > **Send Via SMS**.

Changing MMS settings

When you start your phone for the first time, it automatically acquires your wireless service provider's MMS settings. If you accidentally lose the preset settings, or if you want to add another wireless service provider, you can have the settings installed automatically, or you can enter them manually. Contact your service provider for more information.

To install MMS settings automatically

1. Tap ▣ > **Settings** > **Connections** > **Connection Setup**.
2. Tap **OK**.

To configure MMS settings manually

1. Tap ▣ > **Text**.
2. Tap **Menu** > **MMS Settings**.
3. On the **Preferences** tab, select your options.
4. On the **Receiving Options** tab, select your options.
5. On the **Sending Options** tab, select your options.
6. On the **MMS Profiles** tab, check if your device is preset with MMS server settings.
7. If there are no settings, tap **New** and enter the following information, which you can get from your service provider:

- **Profile name**: A descriptive name, such as your service provider name.
- **MMSC address**: Location of the MMS server, which is usually in the form of an IP address.
- **Data connection**: Select the connection that your phone uses for multimedia messages.
- **Gateway**: Select either WAP 1.x or WAP 2.0, depending on which one is being used by your service provider.
- **Gateway address**: URL address of the server where multimedia messages are stored.
- **Port**: HTTP port number used for connecting to the MMS server and for file transfer.

-ᛟ- You can choose to download multimedia messages in both your home and roaming network, keep track of your multimedia messages, request a delivery or read receipt report, set the resolution for images that you send, and more. If your phone already has preset MMS settings, we recommend that you do not change these settings. If you enter settings for several MMS providers in **Profiles**, you can choose one as your default provider.

To set an MMS service provider as the default provider

1. Tap ▣ > **Text** > **Menu** > **MMS Settings** > the **MMS Profiles** tab.
2. Tap the service provider you want to set as the default one and tap **Select**.
3. Tap **OK**.

E-mail

You can get e-mail in your phone and use all standard e-mail functions.

💡 You can synchronise your e-mail using the Microsoft® Exchange ActiveSync® application.

Before using e-mail

Before you can send and receive e-mail, you need to set up at least one e-mail account in your phone. You can set up the following types of e-mail accounts:

- Outlook e-mail that you can synchronize with a PC or your company Microsoft® Exchange Server
- E-mail account provided by an ISP (Internet Service provider)
- Web-based e-mail accounts
- Work account that you access using a VPN (Virtual Private Network) connection

❗ Before using e-mail, you need to have the correct Internet settings in the phone. See *Connecting to the Internet* on page 52.

To set up Microsoft® Outlook® e-mail through a Microsoft® Exchange Server

1 Tap 🟦 > **E-mail** > **Setup E-mail**.
2 Enter your email address and password, select the **Save password** option, then tap **Next**.
3 Select **Try to get the e-mail settings automatically from the Internet**, then tap **Next**.
4 If automatic settings can not be found, select **Exchange server** in the **Your e-mail provider** list, then tap **Next**.
5 Tap **Next** again.
6 Mark the **Attempt to detect Exchange Server Settings automatically** check box, then tap **Next**.
7 If server settings are not detected, enter them manually, then tap **Next**.
8 Enter your user name, password and domain, then tap **Next**.
9 If prompted, enter the server address, then tap **Next**.
10 Select the data you want to synchronize, then tap **Finish**.

❗ Some e-mail features depend on the Microsoft® Exchange Server version used in your company. Check with your network administrator for the availability of these features.

To manually set up an e-mail account of a common type

1 Tap 🟦 > **E-mail** > **Setup E-mail**.
2 Enter your e-mail address and password. Select the **Save password** option, then tap **Next**.
3 Check the **Try to get the e-mail settings automatically from the Internet** box, then tap **Next**.
4 If automatic settings can not be found, select an option in the **Your e-mail provider:** list, then tap **Next**.
5 Enter your name and account display name, then tap **Next**.
6 If prompted, enter the incoming mail server address and the account type, then tap **Next**.
7 Enter your user name and password for the e-mail account, check the **Save password** box, then tap **Next**.
8 Tap **Advanced Server Settings**, select a **Network connection**, and tap **Done** to confirm.
9 Enter the outgoing mail server address, then tap **Next**.
10 Select a time interval for **Automatic Send/Receive:**.
11 Tap **Finish**.

Handling e-mail messages

To check for new e-mail
1 Tap ⊞ > **E-mail**.
2 Tap your e-mail account.
3 Tap **Menu** > **Send/Receive**.

To view an attachment
1 Tap ⊞ > **E-mail**.
2 Tap the e-mail account and folder you want to open.
3 Tap the e-mail message that contains the attachment you want to view.
4 Tap the attachment and wait for it to be downloaded and shown on the screen.

To write a new e-mail message
1 Tap ⊞ > **E-mail**.
2 Tap the desired e-mail account.
3 Tap **Menu** > **New**.
4 Enter the e-mail address manually, or tap **To:** to add an address from **Contacts**.
5 Enter the subject.
6 Tap the text area and enter the message text.
7 To add an attachment, tap **Menu** > **Insert** and select an option.
8 Tap **Send**.

To delete an e-mail message
1 Tap ⊞ > **Text**.
2 Tap the e-mail account and folder that you want to open.
3 Scroll to the e-mail message that you want to delete.
4 Tap **Delete**.

To reply to an e-mail message
1 Tap ⊞ > **E-mail**.
2 Tap the e-mail account and folder you want to open.
3 Tap the e-mail message you want to reply to.
4 Tap **Menu** > **Reply/Forward** > **Reply**.
5 Enter text.
6 Tap **Send**.

To forward an e-mail message
1 Tap ⊞ > **E-mail**.
2 Tap the e-mail account and folder that you want to open.
3 Scroll to the e-mail message that you want to forward.
4 Tap **Menu** > **Reply/Forward** > **Forward**.
5 Enter the address after **To:**, or tap **To:** to select a contact address from **Contacts**.
6 Tap **Send**.

To find an e-mail message
1 Tap ⊞ > **E-mail**.
2 Tap the e-mail account and folder that you want to open.
3 Start entering the first characters of the sender name or message subject that you want to look for.
4 If the message you are looking for is in the selected folder, it appears in the filtered list that is shown on the screen.

Direct push

Direct push technology lets you receive new e-mail messages in your phone as soon as they arrive in your Inbox on the Microsoft® Exchange Server. This feature also works for items such as contacts, calendar appointments and tasks.

To turn on and off MS Direct push

1 Tap ⊞ > **Settings** > **Communication Manager**.
2 Select an option for **MS Direct Push**.

! Frequent updates can be costly and are operator-dependent.

Company e-mails and appointments

Synchronizing your phone with an Exchange Server

To keep up-to-date with your company e-mails and meeting schedules when you are out of the office, you can connect your phone to the Internet wirelessly and synchronize this information with your company Exchange Server. You can also access your company address book at any time. Your company must have a mail server that is running Microsoft® Exchange Server with Exchange ActiveSync.

Setting up an Exchange Server connection

Before you can start to synchronize with, or access information from, an Exchange Server, you need to set up an Exchange Server connection in your phone. You may need the following information from your network administrator:

- Exchange Server name (must be the Outlook Web Access server name)
- Domain name
- User name and password that you use at work

To set up an Exchange Server connection

1 Tap **⊞** > **E-mail** > **Setup E-mail**.
2 Enter your e-mail address and tap **Next**.
3 Unmark the **Try to get e-mail settings automatically from the Internet** check box, then tap **Next**.
4 In the **Your e-mail provider** list, select **Exchange server**, then tap **Next**.
5 Tap **Next** again.
6 Make sure the e-mail address is correct, then tap **Next**.
7 In the **Server address** box, enter the Exchange Server name, then tap **Next**.
8 Enter your user name, password and domain, then tap **Next**.
9 Mark the check boxes for the types of information items that you want to synchronize with the Exchange Server.
10 Tap **Finish**. Your phone automatically starts synchronization.

⚠ If you have synchronized e-mail messages with your PC before, open Exchange ActiveSync® in your phone and tap **Menu** > **Add Server Source** to set up an Exchange Server connection. When you are prompted to select information types for synchronization, you need to clear the **E-mail** check box under the Windows PC item first before you can select the **E-mail** check box under Exchange Server.

To change Exchange Server settings

1 Tap **⊞** > **ActiveSync**.
2 Tap **Menu** > **Configure Server...**.

Starting synchronization

Before you start synchronizing with the Exchange Server, make sure your phone has been set up with a data connection to the Internet so that you can synchronize wirelessly. Your phone automatically starts synchronization when you finish setting up an Exchange Server connection.

⚠ If you connect your phone to an office computer using a USB or Bluetooth connection, you can use this connection to the PC to access the network and download Outlook e-mails and other information to your phone.

To start synchronization manually

1 Tap **⊞** > **ActiveSync**.
2 Tap **Sync**.

Working with company e-mails

You can use your phone to get instant access to your company e-mails and manage your messages easily. You can use many tools, for example, Direct Push, Fetch Mail, Remote e-mail search, and e-mail flags, to manage your e-mails on the phone.

! Some messaging features depend on the Microsoft Exchange Server version used in your company. Please check with your network administrator for the availability of these features.

Automatic synchronization through Direct Push

You can use Direct Push technology (push e-mail feature) to receive new e-mail messages in your phone as soon as they arrive in your Inbox on the Exchange Server. This feature also works for items such as contacts, calendar entries and tasks.

You need a GPRS connection in your phone to make Direct Push work. You also need to perform a full synchronization between your phone and the Exchange Server before Direct Push can be enabled.

! When both the GPRS and Wi-Fi connections are turned on at the same time, the Direct Push feature will always opt for Wi-Fi.

! The Direct Push feature works for your phone only if your company is using Microsoft Exchange Server 2003 Service Pack 2 (SP2) with Exchange ActiveSync.

To enable Direct Push using Exchange ActiveSync®
1 Tap **⊞** > **ActiveSync**.
2 Tap **Menu** > **Schedule**.
3 In the **Peak times** and **Off-peak times** boxes, select **As items arrive**.

! Frequent updates may be costly.

To enable Direct Push using the Communication Manager
1 Tap **⊞** > **Settings** > **Communication Manager**.
2 Select **ON** for **Microsoft Direct Push**.

! Frequent updates may be costly.

Scheduled synchronization

If you do not want to use Direct Push, you can set a regular schedule for synchronizing Outlook e-mail and information. Set how often to synchronize during **Peak times** (which usually refer to your working hours) when e-mail volume is high, as well as **Off-peak times** when e-mail volume is low.

To set the synchronization schedule
1 Tap **⊞** > **ActiveSync**.
2 Tap **Menu** > **Schedule**.
3 In the **Peak times** and **Off-peak times** boxes, select the time intervals you want.
4 Tap **ok**.

! To set the days and hours that make up your peak and off-peak times, tap **Peak times** in the sentence at the bottom of the screen.

Instant download through Fetch Mail

With the Fetch Mail feature, you can download an entire e-mail message immediately without performing a full Send/Receive action. This limits the download to just the e-mail message that you want and helps save data cost.

! Fetch Mail works for your phone only if your company is using Microsoft Exchange Server 2007 or higher.

To download through Fetch Mail instantly

1 Tap ⊞ > **E-mail** > **Outlook E-mail**.
2 Tap an e-mail message to open it.
3 If the e-mail message is only partly downloaded, scroll to the bottom of the message, then tap **Get the rest of this message**.
4 Wait for the remainder of the message body to be downloaded.

💡 The initial download size limit for e-mail sync is changeable.

To change initial download size limit for e-mail

1 Tap ⊞ > **ActiveSync** > **Menu** > **Options**.
2 Tap **E-Mail**, then tap **Settings**.
3 In the **Download size limit** box, select an option.
4 Tap **OK**.

Searching for e-mails on the Exchange Server

You can access messages that are not available in your phone by searching your Microsoft Exchange Server mailbox. The search results are downloaded and displayed in a Search Results folder.

❗ Your company must be using Microsoft Exchange Server 2007 or higher.

To search for Exchange Server e-mails

1 Tap ⊞ > **E-mail** > **Outlook E-mail**.
2 Tap **Menu** > **Tools** > **Search Server...**.
3 In the **Look for:** text box, enter the search keyword.
4 Select the date range of messages to search from.
5 From the **Look in:** list, choose whether to search from your Inbox or Outbox only or to search all folders.
6 Tap **Search**.

Message flagging

Flags serve as a reminder to yourself to follow up on important issues or requests that are indicated in your messages. Flagging messages, which is a useful feature on desktop Outlook E-mail, can also be done in Outlook Mobile in your phone. You can flag received messages in your phone.

❗ Flags are enabled only if e-mails are synchronized with Microsoft Exchange Server 2007 or higher. Flags are disabled or hidden if e-mails are synchronized with earlier versions of Microsoft Exchange Server.

To flag or unflag a message

1 Tap ⊞ > **E-mail** > **Outlook E-mail**.
2 Tap the message.
3 Tap **Menu** > **Follow Up** and select one of the following options:
  • **Set Flag** – mark the message with a red flag to indicate it needs follow-up.
  • **Complete Flag** – mark the message with a check mark to indicate that the issue or request in the e-mail has already been dealt with.
  • **Clear Flag** – remove the flag to unmark the message.

❗ E-mail message reminders are displayed in your phone if the messages are flagged with reminders and synchronized from the Exchange Server.

Out-of-office auto-reply

Microsoft® Office Outlook® Mobile allows you to retrieve and change your out-of-office status. Just like desktop Outlook E-mail, Outlook Mobile automatically sends an auto-reply message when you are not available.

To send out-of-office auto-reply messages

1   Tap ■ > **E-mail** > **Outlook E-mail**.
2   Tap **Menu** > **Tools** > **Out of Office...**.
3   From the **I am currently** list, select **Out of the Office**.
4   Enter your auto-reply message.
5   Tap **Done** to confirm.

Viewing a document linked to an e-mail message

When you receive an e-mail that contains a link to a document such as a PDF or Microsoft®
Office document located on SharePoint or an internal file server, you can view the document
on your phone.

! You can view the document only if you have a Microsoft Outlook account that synchronizes with
Microsoft Exchange Server 2007 or later. Exchange Server must also be set up to allow access
to SharePoint document libraries or internal file servers.

To view a document linked to an e-mail message

1   Tap ■ > **E-mail**.
2   Select an e-mail account, then open a message with a link to a SharePoint
    document.
3   Tap the link to open and view the document.

Managing folders

In your phone, you can select the folders that you want to synchronize with the Exchange
Server. You can also create, rename or delete folders easily.

To synchronize folders

1   Tap ■ > **E-mail** > **Outlook E-mail**.
2   Tap **Menu** > **Tools** > **Manage Folders**.
3   Mark the check boxes for the folders that you want to synchronize.
4   Tap **ok**.

- ☀ You can quickly tap a folder twice to show its subfolders.

Managing meeting requests

When you schedule and send meeting requests from your phone, you can invite attendees
to your meeting and check their status to know about their availability. When you receive
a meeting request, you can reply by accepting or declining the request. The meeting request
also clearly indicates whether or not there are conflicting or adjacent meetings.

To reply to a meeting request

1   Tap ■ > **E-mail** > **Outlook E-mail**.
2   Tap the meeting request.
3   To check your availability during the time of the requested meeting, tap **View your
    calendar**. When you are done viewing, tap ✖ .
4   Tap **Accept** to reply and accept the meeting request, or tap **Menu** > **Decline** if you
    cannot attend the meeting.
5   Choose whether or not to edit your response e-mail before sending, then tap **OK**.
6   An accepted meeting request is automatically added as an appointment in
    Calendar in your phone.

- ☀ If the time of the meeting conflicts with your other appointments, a **Scheduling Conflict** status
  appears on top of the e-mail.

To view the list of meeting participants

1 Tap ⊞ > **Calendar**.
2 Tap an appointment item to open it, then tap **Attendees**.

❗ When viewing a meeting that you have organized, the list shows who has accepted or declined the meeting if your company is using Microsoft Exchange Server 2007 or higher.

To view contact information of the attendees

1 In the list of meeting participants, tap one attendee's name.
2 If the attendee is not in your contacts list, tap **Company Directory** to view the contact information.

Finding contacts in the Company Directory

In addition to having contacts in your phone, you can access contact information from your organization's Company Directory. You can search using the following information as long as that information is included in the Company Directory: First name, Last name, E-mail name, Display name, E-mail address, or Office location.

❗ Access to the Company Directory is available only if your organization is running Microsoft Exchange Server 2003 SP2 or higher, and you have completed your first synchronization with the Exchange Server.

To find contacts in the Company Directory

1 Synchronize with the Exchange Server if you have never done so.
2 Do any of the following:
   • Tap ⊞ > **Contacts** > **Menu** > **Company Directory**.
   • In a new message, tap **To:**, or tap **Menu** > **Add Recipient**, then tap **Company Directory**.
   • In a new meeting request, tap **Attendees**, select **Add Required Attendee** or **Add Optional Attendee**, then tap **Company Directory**.
3 Enter part of or full contact name and tap **Search**.
4 In the search results list, tap a contact to select it.

💡 You can save a contact from the Company Directory to your phone by scrolling to the contact and then tapping **Menu** > **Save to Contacts**.

E-mail security

Digitally signing and encrypting your messages

Windows Mobile® in your phone protects your Outlook e-mails through Secure/ Multipurpose Internet Mail Extension (S/MIME), which allows you to digitally sign and encrypt your messages.

Digitally signing a message applies your certificate with the authorization key to the message. This proves to the recipient that the message is from you and not from an imposter or a hacker, and that the message has not been altered.

Encryption protects the privacy of your message by converting it from plain, readable text into cipher (scrambled) text. Only the recipient who has the authorization key can decipher the message.

❗ S/MIME encryption and digital signatures for Windows Mobile® powered devices are available only with Exchange Server 2003 SP2 or a later version that supports S/MIME. If you are not using one of these products, or have not yet synchronized, these options are unavailable.

❗ You can encrypt a message with or without a certificate. However, to read an encrypted message, you need a valid certificate to decrypt it.

To individually sign and encrypt a new message

1 Tap ⊞ > **E-mail** > **Outlook E-mail**.
2 Tap **Menu** > **New** to create a new message.
3 Tap **Menu** > **Message Options**.
4 From the **Security** list, select whether to encrypt only, sign the message only, or do both.
5 Tap **ok**.

To verify the digital signature on a signed message you receive

1 Tap ⊞ > **E-mail** > **Outlook E-mail**.
2 Open an Outlook e-mail message that has been digitally signed.
3 At the top of the message, tap **View Signature Status**.
4 Tap **Menu** > **Check Certificate**.
5 To view the details of the certificate in the message, tap **Menu** > **View Certificate**.

-ϕ- There can be several reasons why a digital signature is not valid. For example, the sender's certificate may have expired, it may have been revoked by the certificate authority, or the server that verifies the certificate is unavailable. Contact the sender to report the problem.

To digitally sign and encrypt all messages

1 Tap ⊞ > **ActiveSync**.
2 Tap **Menu** > **Options**.
3 Select the **E-mail** information type, and tap **Settings**. On the E-mail Sync Options screen, tap **Advanced**.
4 Select one or both of the following options:
   • **Sign all outgoing e-mail messages** – sign all your outgoing e-mail messages so that recipients can be certain that the messages were sent by you and have not been altered in any way.
   • **Encrypt all outgoing e-mail messages** – encrypt all your outgoing e-mail messages so that the contents of your messages are protected from being viewed by anyone other than the intended recipients.
5 Tap **Choose Certificate** to select a certificate for signing or encrypting outgoing e-mail messages.

! You must obtain a valid certificate to sign and encrypt e-mail messages successfully.

Setting permissions for an e-mail message

Another way of protecting your e-mail messages is to send messages with restricted permissions using Information Rights Management (IRM).

! This works only with a Microsoft Outlook e-mail account and if your company is using RMS Server SP1.

To set permissions for an e-mail message

1 Tap ⊞ > **E-mail** > **Outlook E-mail**.
2 Tap **Menu** > **New** to create a new message.
3 Tap **Menu** > **Message Options**.
4 In the **Permissions** list, select one of the following:
   • **Unrestricted access** – allow anyone to read the message.
   • **Do not forward** – prevent the message from being forwarded, printed, or copied.
5 Tap **ok**.

! An IRM-protected message received on your phone can only be replied to or forwarded if the message permits it.

Browsing the Web

Connecting to the Internet

You can connect to the Internet by using GPRS/HSPA or Wi-Fi. Before connecting to the Internet by GPRS/HSPA you need the correct Internet settings in the phone. The settings are usually saved on the SIM card the first time you start up the phone after inserting the SIM card. If not, you can download settings automatically, or contact your service provider to get the required information for entering the settings manually.

! Automatical download of settings may not be available in all markets.

To download Internet settings
1 Select ⊞ > **Settings** > **Connections** > **Connection setup**.
2 Select **OK**.

To configure Internet settings manually

! To get the required information for manual configuration of Internet settings, please contact your service provider.

1 Select ⊞ > **Settings** > **Connections** > **Connections**.
2 Under **My ISP**, tap **Add a new modem connection**.
3 Enter a name for the connection, then select **GPRS (Cellular line)** in the drop-down box, then tap **Next**.
4 Enter the **Access point name**, then tap **Next**.
5 If required, enter **User name**, **Password**, **Domain** and **Advanced settings**. Tap **Finish**.
6 Under **My ISP**, tap **Manage existing connections** and select the connection you just created.

To start browsing
1 Tap ⊞ > **Internet Explorer**.
2 Enter the Web address in the address field, and then tap ⊙.

Menu options

💡 Tap ⊜ to open a menu with useful options.

The following icons at the bottom of the screen provide a lot of options for Internet Explorer:

Icon	Description
⊙	Go back to the previous page
⊛	Manage your favorite Web sites
⊜	Options for entering text. See *Entering text* on page 15.
⊛	Zoom in or out on the Web page
☰	A list of sub options: **Home page** – Takes you back to the main page; **History** – View a list of recently visited Web sites; **Refresh** – Reload the current Web site; **View** (see *Viewing options*); **Tools** (see *Tools options*); **Copy/Paste**.

Viewing options

From the **View** submenu, you can change the way that you view Web pages in Internet Explorer to minimize scrolling and increase the page download speed.

- **Text size** - lets you select the text size.
- **Enable ActiveX Controls** – lets you enable interactive Web sites via ActiveX.

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- **Mobile** – Adjusts the layout to the screen. This makes items smaller and arranges the page so you can see most of it without having to scroll horizontally.
- **Desktop** – Keeps the same layout and size as a desktop computer. This requires both horizontal and vertical scrolling.

Tools options

The **Tools** menu contains useful settings and options for Internet Explorer:

- **Send Link** – Use one of the listed methods to send a link to the current Web site to another device.
- **Properties** – View information about the current Web site.
- **Options** – Specify settings for Internet Explorer.
    - **Home page** – Set the Home page (start page) for Internet Explorer.
    - **Browsing History** – See info about the previously viewed Web sites.
    - **Privacy and Security** – The security settings help you to avoid insecure Web pages. Cookies are files that Web pages store on your phone, that give you access to different services on a Web page.
    - **Languages** - Select the preferred language to read Web sites.
    - **Other** - enable playing sounds or show pictures.

Managing Internet Explorer

Zooming

To zoom in and out on a Web page
1   When you are viewing a Web page, tap ⬤.
2   Tap ⬤.
3   Drag the control up or down to zoom in or out.

❗ To pan a page, tap and hold the screen, then move your finger or the stylus.

To change the Web page display
1   When you are viewing a Web page, tap ⬤.
2   Tap ⬤.
3   Select **View**.
4   Select an option.

Favorites

You can create and edit Favorites as quick links to your favorite Web pages.

To add a Web page to Favorites
1   When you are viewing the Web page, tap ⬤.
2   Tap ⬤.
3   Tap ⬤.
4   Enter a name and a Web address, and select the folder.
5   Tap **Add**.

To go to a favorite Web page
1   In Internet Explorer, tap ⬤, then tap ⬤.
2   Tap a favorite in the list.

History pages

You can view and go to Web pages you have previously visited.

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To browse previously visited Web pages

1 In Internet Explorer tap ⊙.
2 Tap ⊚.
3 Tap **History**.
4 Tap a page in the list.

Personalizing

To change your home page

1 When you are viewing the Web page you want to use as your home page, tap ⊙.
2 Tap ⊚.
3 Tap **Tools** > **Options** > **Home page**.
4 Tap **Use current**.
5 Tap **ok**.

To clear browsing history, cache, or cookies

1 When you are browsing the Web, tap ⊙.
2 Tap ⊚.
3 Select **Tools** > **Options** > **Browsing History**.
4 Select an option.
5 Select **Clear**.

Calling when browsing

To make a call when you are browsing the Internet

• Press ⌣.

Getting connected

Bluetooth™ technology

Bluetooth™ wireless technology is a short-range communications technology intended to replace the cables connecting portable and/or fixed devices. Typically, mobile phones are able to connect to each other at a distance of about 10 meters.

Bluetooth™ modes

Bluetooth™ functionality in your phone can be on or off, and your phone can be visible to other devices:

- **On** – Bluetooth functionality is turned on. Your phone can detect other Bluetooth-enabled devices, and if your phone is set to be visible to other devices (see below), those devices can detect your phone.
- **Off** – Bluetooth functionality is turned off. You can neither send nor receive information over a Bluetooth link. Turn off Bluetooth functionality when not in use to conserve battery power, or in places where using a wireless device is prohibited, such as onboard an aircraft or in hospitals.
- **Visible** – Bluetooth functionality is turned on, and other Bluetooth-enabled devices can detect your phone.

By default, Bluetooth functionality is turned off. To have it turned on by default, you need to activate Bluetooth functionality, then immediately turn off your phone. The next time you turn on your phone, Bluetooth functionality will be on.

To turn on Bluetooth™ functionality and make your phone visible

1 Tap ⊞ > **Settings** > **Bluetooth**™.
2 On the **Mode** tab, mark the **Turn on Bluetooth** and **Make this device visible to other devices** check boxes.
3 On the **Timeout** tab, change the timeout setting if necessary.
4 Tap **ok**.

Bluetooth™ partnership

A Bluetooth™ partnership is a relationship you create between your phone and another Bluetooth-enabled device in order to exchange information in a secure manner.

To create a Bluetooth™ partnership

1 Tap ⊞ > **Settings** > **Bluetooth**™.
2 On the **Devices** tab, tap **Add new device**. Your phone searches for other Bluetooth-enabled devices and displays them in the box.
3 Tap the desired device in the list, then tap **Next**.
4 Specify a passcode (1 to 16 characters) to establish a secure connection, then tap **Next**.
5 Wait for the paired device to accept the partnership. When the receiving party has entered the same passcode that you specified, the name of the paired device is displayed in your phone.
6 Tap the name of the paired device and mark the check boxes for the services you want to use on the paired device.
7 Tap **Finish**.

Creating a Bluetooth partnership between two devices is a one-time process. Once a partnership is created, the devices will recognize each other automatically when they are close enough and have the Bluetooth function on. There is thus no need to enter the passcode again.

To accept a Bluetooth™ partnership

1 Check that Bluetooth™ functionality is turned on and your phone is in visible mode.
2 Tap **Yes** when prompted to establish a partnership with the other device.
3 Enter the same passcode that was entered on the device requesting the partnership, then tap **Next**.
4 When you are notified that the partnership has been established, tap **Done**. You can now exchange information with the paired device in a secure manner.

To rename a Bluetooth™ partnership

1 Tap and hold the name of the partnership on the **Devices** tab of the Bluetooth settings screen.
2 Tap **Edit** and change the name.

To delete a Bluetooth™ partnership

1 Tap and hold the name of the partnership on the **Devices** tab of the Bluetooth settings screen.
2 Tap **Delete**.

Connecting a Bluetooth™ handsfree or stereo headset

For handsfree phone conversations, you can use a Bluetooth™ handsfree headset such as a car kit with your phone. Your phone also supports A2DP (Advanced Audio Distribution Profile), which means you can use a Bluetooth stereo headset for handsfree phone conversations and for listening to stereo music.

To connect a Bluetooth™ handsfree or stereo headset

1 Check that both your phone and the Bluetooth™ headset are turned on and within close range, and that the headset is visible. See the headset documentation to find out how to set the headset in visible mode.
2 Tap > **Settings** > **Bluetooth**.
3 On the **Devices** tab, tap **Add new device**. Your phone searches for other Bluetooth-enabled devices and displays them in the box.
4 Tap the name of the Bluetooth headset, then tap **Next**. Your phone automatically pairs with the Bluetooth headset.
5 Check that the **Hands Free** check box is marked. If your headset is a stereo headset, also check that **Wireless Stereo** is marked.
6 Tap **Finish**. When the Bluetooth stereo headset is connected, the headset icon appears on the title bar.

! If a Bluetooth stereo headset is disconnected, turn on the headset and repeat steps 1 to 3 above. Tap and hold the name of the Bluetooth stereo headset and tap **Set as Wireless Stereo**.

! Windows® Mobile automatically uses the preconfigured passcodes (0000, 1111, 8888, 1234) when trying to pair the Bluetooth headset with your phone. If this fails, you have to manually enter the passcode delivered with your headset.

Beaming information using a Bluetooth™ connection

You can beam information, such as contacts, calendar items, and tasks, as well as files from your phone to your computer or to another Bluetooth™-enabled device.

! If your computer does not have built-in Bluetooth capability, you need to connect a Bluetooth adapter or dongle to your computer.

To receive all incoming beams in your phone

1 Tap > **Settings** > **Connections** > **Beam**.
2 Make sure the **Receive all incoming beams** check box is marked.

To beam information to a computer

1 Turn on Bluetooth™ functionality in your phone, and make the phone visible. For more information, see *To turn on Bluetooth™ functionality and make your phone visible* on page 55.
2 If your computer has **Windows Vista** or **Windows XP SP2** and the Bluetooth adapter in your computer is supported by your Windows version, do the following:
   1 **Computer:** Check that the Bluetooth function is activated.
   2 Double-click the Bluetooth icon in the system tray, and select *Search for devices in range*.
   3 When your phone appears in the list, right-click it and select *Pair Device* from the shortcut menu.
   4 Enter any 4-digit PIN-code.
   5 **Phone:** When **Add to my devices?** appears, select **Yes**.
   6 Enter the same PIN code in the phone as you entered in the computer and tap **OK**.
   7 **Computer:** Double-click your phone in the list.
   8 Double-click the serial port icon.
   9 **Phone:** When **Allow?** appears, select **Yes**.
3 Now, you are ready to beam. In your phone, select an item to beam. The item can be an appointment in your calendar, a task, a contact card, or a file.
4 To beam a contact, tap **Menu** > **Send Contact** > **Beam**. To beam other types of information, tap **Menu** > **Beam [type of item]**.
5 Tap the name of the device to which you want to beam.
6 If you beam a calendar item, task, or contact to your computer and it is not automatically added to Outlook, select **File** > **Import and Export** in Outlook to import it.

☀ The default folder on your computer where beamed items are stored may be C:\Documents and Settings\your_username\My Documents in Windows XP or C:\Users\your_username\My Documents in Windows Vista.

Wi-Fi (Wireless LAN)

You can connect your phone to a wireless network to access the Internet. You can connect at home (personal networks) or in public access zones (hot spots).

- Personal networks – usually protected. A pass phrase or a key is required from the owner.
- Hot spots – usually unprotected, but often require you to log on to the operator's service before you get Internet access.

To connect to a wireless network

1 Tap ▦ > **Settings** > **Connections** > **Wi-Fi**.
2 Tap the network you want to connect to.
3 A number of screens will follow. On each screen, check the information displayed and change if necessary, then tap **Next**.
4 On the last screen, tap **Finish**.

To turn on or off Wi-Fi

1 Tap ▦ > **Settings** > **Communication Manager**.
2 Mark or unmark the **Wi-Fi** check box to turn the function on or off, respectively.

❗ Using Wi-Fi consumes battery power. Turn off Wi-Fi when not in use.

To change settings

1 Tap ▦ > **Settings** > **Connections** > **Wi-Fi**.
2 Select a network.
3 Enter new settings and tap **Next** > **Next** > **Finish**.

Wi-Fi status icons

For a list of Wi-Fi status icons that may appear on your screen, see *Status icons* on page 10.

Windows Live Messenger

You can communicate online using Windows Live Messenger and your existing Windows Live ID.

To set up Messenger

1 Tap ⊞ > **Messenger**.
2 Tap **Sign in** and follow the instructions.

To sign in to Messenger

• Tap ⊞ > **Messenger** > **Sign in**.

To send an instant message

1 Tap ⊞ > **Programs** > **Messenger**.
2 If you have not signed in yet, tap **Sign in**.
3 Select a contact in the list of contacts that are online, then tap **Send IM**.
4 Enter your message, then tap **Send**.

Internet sharing

Internet sharing connects a computer to the Internet by using your phone data connection, such as GPRS and EDGE. Your phone then functions as a modem. You can use a USB cable or a Bluetooth™ link to connect to the computer.

! Before using Internet sharing, disconnect from Windows Mobile Device Center or Exchange ActiveSync® on the computer. Also check that your phone has a GPRS or phone dial-up modem connection.

Using your phone as a USB modem

To use your phone as a USB modem you will need the USB cable that comes with your phone.

! Before you can use your phone as a USB modem you need to set up Windows Mobile Device Center (part of Windows Vista) or Microsoft Exchange ActiveSync® (for Windows XP) version 4.5 or later on the computer. For instructions on how to install Exchange ActiveSync® on your computer, see *To install Exchange ActiveSync®*on page 34.

To set up your phone as a USB modem

1 Tap ⊞ > **Internet Sharing**.
2 In the **PC Connection** list, select **USB**.
3 In the **Network Connection** list, select the name of the connection that your phone uses to connect to the Internet.
4 Connect the USB cable between your phone and the computer.
5 Tap **Connect**.

Using your phone as a Bluetooth™ modem

You can connect your phone to a computer using a Bluetooth™ link and use the phone as a modem for the computer. For a computer to use the Internet connection of your phone, you must activate Internet Sharing in your phone, then set up a Bluetooth Personal Area Network (PAN) between the computer and your phone.

☀ If there is no built-in Bluetooth capability in the computer, you need to connect a Bluetooth adapter or dongle.

To activate Internet Sharing and set up a PAN

1 Turn on Bluetooth™ functionality in your phone and set it to visible.
2 Initiate a Bluetooth partnership from your phone. For more information, see *To create a Bluetooth™ partnership* on page 55.
3 Tap > **Internet Sharing**.
4 In the **PC Connection** list, select **Bluetooth PAN**.
5 In the **Network Connection** list, select the name of the connection that your phone uses to connect to the Internet.
6 Tap **Connect**.
7 **Computer:** Set up a Bluetooth Personal Area Network (PAN) connection to your phone.
   For **Windows Vista**:
   1 Click *Start > Control Panel > Network and Internet > Network and Sharing Center*.
   2 Click *Manage network* and then, under *Personal Area Network*, double-click *Bluetooth Network Connection*.
   3 In the *Bluetooth Personal Area Network Devices* dialog box, select your phone and click *Connect*.
   For **Windows XP SP2**:
   1 Click *Start > Settings > Control Panel > Network Connections*.
   2 Find and click *Bluetooth Network Connection* in the list.
   3 Under *Network Tasks*, click *View Bluetooth network devices*.
   4 In the *Bluetooth Personal Area Network Devices* dialog box, select your phone and click *Connect*.
8 **Phone:** On the Internet Sharing screen, check **Status** to verify that the computer has been successfully connected to the Internet using your phone as a Bluetooth modem.

To end the Internet connection

• Tap **Disconnect** on the Internet sharing screen.

Connected Home

The Connected Home concept integrates your phone into your home media environment, connecting it with Hi-Fi, TV, movie-playing, gaming and other entertainment devices on the home network. Connected Home makes your phone a part of everyday life in terms of how you handle music and media.

Media Go™

With **Media Go™** installed on your computer, you can transfer media files between your computer and your phone. You can, for example, extract audio tracks from CDs and transfer them to your phone, and you can also transfer content from your phone to the computer.

Software requirements

Media Go™ is designed for the following operating systems:

* Microsoft® Windows Vista™
* Microsoft® Windows® XP, Service Pack 2 or higher

Installing Media Go™

To install Media Go™

1 **Computer:** In your Internet browser, go to *www.sonyericsson.com/X2support*.
2 Select a region and a country.
3 Select *Software downloads*.
4 Select your phone from the list.
5 Select *Read more and download* under *Media Go™*.
6 Select *Download now* and save the file to your computer.
7 Run the downloaded file and follow the on-screen instructions to install the application.

Transferring media

To transfer media on your computer, using **Media Go™**, you first of all have to connect your phone to the computer using a USB cable. You can then transfer the media files to or from your phone.

To connect your phone to a computer using a USB cable

1 Connect your phone to the computer using a USB cable.
2 **Computer:** If the *Found New Hardware Wizard* appears, click *Next* to install the necessary software automatically.
3 In the *Portable Device* dialog box, select *Transfer to or from Device using Media Go™*. **Media Go™** starts automatically and you can find your device in the Library navigation pane.

-ᗡ- Only the largest connected memory is displayed in **Media Go™**. To display all memory drives, click the right arrow.

-ᗡ- Both your phone memory and any memory card in the phone appear as removable disks in *Microsoft® Windows® Explorer*.

To transfer media to your phone

1 Connect the phone to your computer.
2 **Computer:** Select which files you want to transfer to the phone.
3 Transfer the files using one of the following options:
   - Select your phone in the drop-down list at the bottom of the **Media Go™** window and click *Go*.
   - Drag the selected files to your phone in the Library navigation pane.
   - Select the files to transfer and press Ctrl+T.
   - Right-click the files and select *Transfer* from the shortcut menu.

-ỳ- Press the Shift key and click to select a range of files. Press the Ctrl key and click to select individual files.

To transfer media from your phone

1 Connect the phone to your computer.
2 **Computer:** In the Library navigation pane, navigate to your phone and type of memory (if applicable). Select the folder where the files you want to transfer are located.
3 Select which files you want to transfer.
4 Transfer the files using one of the following options:
   - Select a library in the *Transfer to* drop-down list and click *Go*.
   - Drag the files to a library in the Library navigation pane.
   - Select the files and press Ctrl+T.
   - Right-click the files and select *Transfer* from the shortcut menu.

-ỳ- Press the Shift key and click to select a range of files. Press the Ctrl key and click to select individual files.

DLNA™

Your Xperia™ X2 phone has built-in DLNA™ (Digital Living Network Alliance) server functionality that establishes a Wi-Fi connection to your home network. Other DLNA devices connected to the same home network can access, view and play video, music, and images saved in your phone or in your SD Card. A compatible DLNA device can be, for example, a computer, camera, TV, PLAYSTATION®3, or another phone with DLNA functionallity.

❗ **Wi-Fi** must be turned on and the phone must be connected to a favourite network.

DLNA server

A DLNA server exposes video, music, and images for sharing and viewing on a Wi-Fi network. Other devices with DLNA Remote Player capability can play media from the media servers on the network.

To set the phone as a DLNA server

1 Tap 🏁 > **Settings** > **Connections** > **Communication Manager**.
2 Tap to turn on **Wi-Fi**
3 Select a favourite network from the list.
4 Tap to turn on **DLNA Media server**.

-ỳ- Please note that the DLNA Media Server runs in the background, and you will not be asked to enter any settings. Enjoy sharing your media!

TV out

You can view pictures, videos and Office Mobile applications stored in your phone on a TV, LCD monitor or a video projector. Your phone connects to the TV, LCD monitor or video projector through a dedicated TV out cable.

❗ DRM protected movies stored on your phone can not be viewed on a TV or LCD monitor.

To view photos and videos on a TV
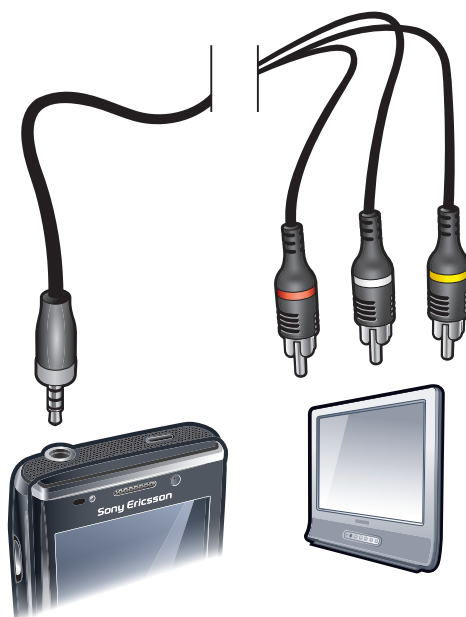
1 Connect the TV out cable to the phone and the TV.
2 Tap 🔲 > **Settings** > **Connections** > **Communication manager**.
3 Tap the DLNA Media Server check box.
4 Tap the file you want to show on the TV.

TV out view settings

Your phone's TV out function supports two display modes on external TV devices:

- Scale mode: Output with an 800x480 pixel resolution is scaled to 640x384 pixels, with a 5:3 aspect ratio. The content displayed on the screen is framed by black bars on the top and bottom.

- Crop mode: Output with an 800x480 pixel resolution is cropped by 80 pixels on both sides to a 640x480 pixel resolution, with an aspect ratio of 4:3. The image occupies the whole display area of the screen.

To change the TV out viewing settings

1 Connect the phone to the TV or LCD monitor using the dedicated TV out cable.
2 Tap **Scale** or **Crop**

To disable TV out preview

- Tap **Deselect** to disable the preview of screen content.

Camera

You can take photos and record videos using the camera in the phone. You will find saved photos and videos by pressing ☐ under **Media** > **Pictures** and **Videos**.

Using the camera
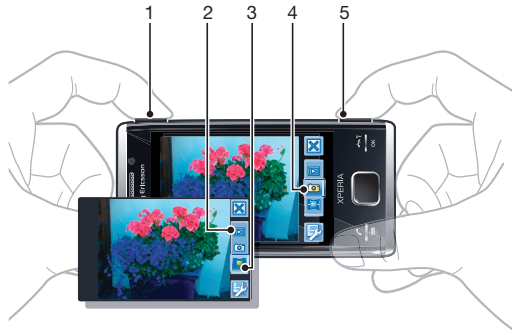
1	Zoom in or out
2	View photos and videos
3	Select video camera
4	Select still camera
5	Activate the camera/Take photos/Record videos ⬚/⬚

To activate the camera

- Press and hold down ⬚/⬚.

To exit the camera

- Tap ⊠.

! The camera closes automatically if you do not use it for two minutes.

Using the still camera

To take a photo

1 Activate the camera and tap ▣.
2 Press ⬚/⬚ halfway down to use auto focus.
3 When the focus frame is green, press fully down to take the photo.

To turn on the light

1 Activate the camera and tap ▣.
2 Tap ▣ > ▨.
3 Tap ▣ to turn on the light regardless of lighting conditions, or tap ▣ to automatically use the light when lighting conditions are poor.
4 Tap ▣ to return to the viewfinder.

To use zoom

- Press the volume key.

To delete a photo or a video

- When you have taken a photo or recorded a video, tap ▥ .

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1 Activate the camera and tap ⬛.
2 Tap ⬛ to display the settings bar.
3 Tap ⬛ to view more settings.

Still camera settings

Setting	Icon	Description
Auto/Manual	⬛ ⬛	When **Manual** is on, you can adjust all settings manually. When **Auto** is on, **Scenes**, **Focus**, **Light**, **Exposure time** and **White balance** are set to **Auto**.
Scenes		Use Scenes to quickly set up the camera for common situations using pre-programmed scenes. The camera has determined a number of settings for you to fit the selected scene, ensuring the best possible photo.
	⊞ Auto	When you select **Auto** mode in the camera settings bar, **Scenes** is set to automatically adjust settings for a photo. You can only use the **Auto** scene by selecting **Auto** mode. The **Auto** scene is not avialable in **Manual** mode.
	☆ Custom	When you select **Custom**, you can adjust all settings in the camera. You have to select **Manual** in the camera settings bar to use **Custom**.
	👤 Portrait	Use for portrait photos. Face detection is turned on. Settings are optimised to give slightly softer skin tones.
	👤 Twilight portrait	Use for portrait photos at night or in poorly lit environments (with or without the flash). Due to long exposure time, the camera must be held still or placed on a stable surface.
	🏃 Sports	Use for photos of fast-moving objects. Short exposure time minimises motion blurring.
	🏖 Beach/snow	Use in bright environments to avoid underexposed photos.
	🏞 Landscape	Use for landscape photos. The camera focuses on distant objects. The flash is turned off.
	🏞 Twilight landscape	Use when taking landscape photos at night or in poorly lit environments (without the flash). Due to long exposure time, the camera must be held still or placed on a stable surface.
	📄 Document	Use for photos of text or drawings. It gives the photo increased and sharper contrast.
Focus		Focus controls which part of a photo should be sharp.
	▪ Auto	The camera automatically focuses on the selected subject. The white focus frame turns green when focus is set.
	▦ Touch	Use when you want to determine where you want the focus in the viewfinder. Touch the spot where you want focus to be.
	🌼 Macro	Auto focus for extreme close-up photos.
	∞ Infinite	Use when taking photos at a distance. Focus is set on subjects far away. Subjects close to the camera may be blurred.
Light		Use the flash to take photos when lighting conditions are poor.
	📷 Auto flash	The light will automatically be turned on when lighting conditions are poor.

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| | Off | The light never goes on, regardless of lighting conditions. Sometimes photo quality can be better without a light, even if lighting conditions are poor. Taking a good photo without using the light requires a steady hand. You can use the self-timer to avoid a blurred photo. |
| | On | The light is turned on, regardless of lighting conditions. |

Shoot mode — You can select the way you take a photo.

| | Normal | Take one photo at a time. |
| | Multi-shot | Take several photos in rapid succession. |

Exposure time — Apply exposure compensation to adjust for different light conditions.

| | | You can underexpose the photo when lighting conditions are poor. |
| | | You can increase the exposure time in bright environments to avoid underexposed photos. |

Tap ⊞ and then tap **Photo** to display additional still camera settings.

Effects — You can select different effects for your photo.

	Off	No effect. The photo is just as it appears in the viewfinder.
	Negative	Inverts red, green and blue separately, and to varying degrees.
	Solarization	Gives the effect of exposing undeveloped film to sunlight.
	Sepia	Gives the photo a brownish-red tint. Old film and photographs used to have a sepia tone. This effect can help make a photo appear older.
	B&W	Take black and white photos.

White balance — The white balance setting adjusts the color balance according to the lighting conditions. Normally our eyes compensate for lighting conditions with different color temperatures. A digital camera needs to find a reference point which represents white. It calculates all the other colors based on this white point. For example, if a halogen light illuminates a white wall, the wall appears yellow, when in fact it should be white. So if the camera knows the wall is supposed to be white, it compensates for all the other colors in the scene accordingly. Most digital cameras feature automatic white balance where the camera looks at the overall color of the image and calculates the best white balance. However, these systems may not work properly if the scene is dominated by one color or if there is no natural white. Before taking a photo, you can focus on an area in the scene which should be white or neutral grey, or on a plain white or grey background. The camera uses this reference when taking the photo.

	Auto	Adjusts the color balance automatically to the lighting conditions.
	Incandescent	Adjusts the color balance for bright lighting such as under light bulbs, or when lighting conditions change quickly.
	Fluorescent	Adjusts the color balance for fluorescent lighting.
	Sunny	Adjusts the color balance for bright outdoor use.
	Cloudy	Adjusts the color balance for a cloudy sky.

Picture size			You can select between several picture formats before taking a photo. Note that a photo with a higher resolution requires more memory.

	▣	8 MP	8 megapixel picture size with 4:3 aspect ratio. 3264x2448 pixels. Suitable for photos you want to view on non-widescreen displays or print in high resolution.
	▣	5 MP	5 megapixel picture size with 4:3 aspect ratio. 2592x1944 pixels. Suitable for photos you want to view on non-widescreen displays.
	▣	3 MP	3 megapixel picture size with 4:3 aspect ratio. 2048x1536 pixels. Suitable for photos you want to view on non-widescreen displays.
	▣	2MP (wide)	2 megapixel picture size with 16:9 aspect ratio. 1920x1080 pixels. Suitable for photos you want to view on widescreen displays.
	▣	1MP (wide)	1 megapixel picture size with 16:9 aspect ratio. 1280x720 pixels. Suitable for photos you want to view on widescreen displays.
	▣	WVGA	Wide VGA format with 16:10 aspect ratio. 800x480 pixels.
	▣	VGA	VGA format with 4:3 aspect ratio. 640x480 pixels.
	▣	QVGA	Quarter VGA format with 4:3 aspect ratio. 320x240 pixels.

Picture quality			You can select the quality you want for your photo.
	◨	Fine	When you take a photo with fine quality, the file size is increased and the photo quality is improved. Suitable when you want to print your photo.
	◨	Normal	Picture compression for small file sizes. This may affect the picture quality. Suitable when you want a smaller file size. Suitable for web publications.
	◨	Economy	When you take a photo with economy quality, the file size is decreased and the photo quality may become impaired. Suitable when you want a very small file size suitable for web publications, for example, for social networking sites.

Shutter sound			Select a sound, which is heard when you press the shutter key to take a photo.
Auto rotate			The accelerometer in the phone makes it possible to automatically rotate the display and photos in the same orientation you hold the phone.
		Off	When **Auto rotate** is off, a photo appears in the same orientation as when it was originally taken.
		On	When **Auto rotate** is on, a photo appears in the same orientation in which you hold the phone.

Tap ▦ and then tap **General** to display general camera settings valid for both the still and video camera.

Self-timer			With the self-timer you can take a photo without holding the phone. Use it to take self-portraits, or group photos where everyone can be in the photo. You can also use the self-timer to avoid shaking the camera when taking photos.
	⏲	10 seconds	Sets a 10-second delay from when the shutter key is pressed until the photo is taken.
	⏲	2 seconds	It can be hard to hold the phone perfectly still when pressing the shutter key, which may result in a blurred photo. Use the 2-second delay to solve this problem.

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	⌧	Off	The photo is taken as soon as you press the shutter key.
Auto review			Select whether to show or not show the photo or video just after you have taken it.
		On	When **Auto review** is on, you can review, and delete or send, the photo or video just after you have taken it.
		Off	When **Auto review** is off, you return to the viewfinder directly after you have taken a photo or recorded a video. This speeds up the process of taking a new photo or recording a new video.
GPS location			You can tag photos with details of where you took them. Show friends and family where you were on a map, or use geotags to find your way back to the location another time.
	⌧	Off	When turned off, you are not able to view the location of where you took a photo on a map.
	⌧	On	When turned on, the approximate geographical location is added to photos when you take them. This information can later be used to identify the location where the photo was taken.
Save To			You can select to save photos and videos in the phone memory or on the memory card. If the memory is full, you cannot save anything until you have deleted some files.
	⌧	Phone	Photos and videos are saved in the phone memory.
	⌧	Memory card	Photos and videos are saved on the memory card.
Image stabilizer			When taking a photo, it can be difficult to hold the phone steady. The stabilizer helps you by compensating for small movements of the hand.
	⌧	On	It is recommended to have the stabilizer turned on.
	⌧	Off	When the stabilizer is turned off, the photo you take might look blurred.
Reset file num.			Resets the file number for photos and video saved on the memory card.
Reset settings			Resets all the camera settings to the original settings.
Version			Display the version of the camera application.

Tips on using the camera

Rule of thirds
Don't place your subject in the middle of the frame. By placing it a third of the way in, you achieve a better result.

Hold it steady
Avoid blurry photos by holding the camera steady. Try to steady your hand by leaning it against a solid object. You can also use the self-timer to make sure that the phone is steady when the photo is taken.

Get closer
By getting as close as possible to your subject, you can avoid relying on the zoom. Try to fill the viewfinder with your subject.

Stay within the flash range
Photos taken beyond the maximum flash range will be too dark. The maximum flash range is about four steps from the subject.

Consider variety
Think about different angles, and move towards the object. Take some vertical photos. Try different positions.

Use a plain background
A plain background helps highlight your subject.

Keep your lens clean
Mobile phones are used in all kinds of weather and places, and carried in pockets and bags. This results in the camera lens becoming dirty and covered with fingerprints. Use a soft cloth to clean the lens.

Using the video camera

To record a video
1 Activate the camera and tap ▦.
2 To start recording, press ◙/▦.
3 To stop recording, press and hold down ◙/▦. The video is saved automatically.

To select video camera settings
1 Activate the camera and tap ▦.
2 Tap ▦ to display the settings bar.
3 Tap ▦ to view more settings.

Video camera settings

Setting	Icon		Description
Auto/Manual	🔲 🔲		When **Manual** is on, you can select all settings manually. When **Auto** is on, **Scenes**, **Focus**, **Exposure time** and **White balance** are set to Auto.
Scenes			Use Scenes to quickly set up the camera for common situations using pre-programmed scenes.
	⊞	**Auto**	When you select **Auto** mode in the camera settings bar, **Scenes** is set to automatically adjust settings for a video. You can only use the **Auto** scene by selecting **Auto** mode. The **Auto** scene is not avialable in **Manual** mode.
	☆	**Custom**	When you select **Custom**, you can adjust all settings in the camera. You have to select **Manual** in the camera settings bar to use **Custom**.
	🌙	**Night mode**	When turned on, light sensitivity is increased. Use in poorly lit environments. Videos of fast-moving objects may get blurred. Hold your hand steady, or use a support.
Focus			Focus determines which part of a video should be sharp.
	▣	**Auto**	The camera automatically focuses on the selected subject.
	🌷	**Macro**	Auto focus for extreme close-up videos.
	⊙	**Infinite**	Use when recording videos at a distance. Focus is set on subjects far away. Subjects close to the camera may be blurred.
Light			Select whether you want to use the light when you record a video.
	🔆	**On**	Turn on the light to improve close-up videos in poorly lit environments.
	🚫	**Off**	The light is always turned off regardless of lighting conditions. Note: Sometimes a video gets better without the light, even if lighting conditions are poor. To record a good-quality video without using the light requires a

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			steady hand. You can also use a support and the self-timer to avoid a blurred video.
Shoot mode			You can set the camera to take full-length video clips, or short video clips that are suitable for multimedia messages (MMS).
		Normal	Use **Normal** to record full-length videos.
		Picture message	Use **Picture message** to record videos suitable for sending in multimedia messages (MMS). The recording time of this video format is limited to fit in a multimedia message.
Exposure time			Apply exposure compensation to adjust for different light conditions.
			You can underexpose the video recording when lighting conditions are poor.
			You can increase the exposure time in bright environments to avoid underexposed videos.

Tap ⊞ and then tap **Video** to display additional video camera settings.

Effects			You can select different effects for your video.
		Off	No effect. The video is just as it appears in the viewfinder.
		Negative	Inverts red, green and blue separately, and to varying degrees.
		Solarization	Gives the effect of exposing undeveloped film to sunlight.
		Sepia	Gives the video a brownish-red tint. Old film and photographs used to have a sepia tone. This effect can help make a video appear older.
		B&W	Record black and white videos.
White balance			The white balance setting adjusts the color balance according to the lighting conditions. Normally our eyes compensate for lighting conditions with different color temperatures. A digital camera needs to find a reference point which represents white. It calculates all the other colors based on this white point. For example, if a halogen light illuminates a white wall, the wall appears yellow, when in fact it should be white. So if the camera knows the wall is supposed to be white, it compensates for all the other colors in the scene accordingly. Most digital cameras feature automatic white balance where the camera looks at the overall color of the video and calculates the best white balance. However, these systems may not work properly if the scene is dominated by one color or if there is no natural white. Before recording a video, you can focus on an area in the scene which should be white or neutral grey, or on a plain white or grey background. The camera uses this reference when recording a video.
		Auto	Adjusts the color balance automatically to the lighting conditions.
		Incandescent	Adjusts the color balance for bright lighting such as under light bulbs, or when lighting conditions change quickly.
		Fluorescent	Adjusts the color balance for fluorescent lighting.
		Sunny	Adjusts the color balance for bright outdoor use.
		Cloudy	Adjusts the color balance for a cloudy sky.
Video size			You can select between different video formats before recording a video.
		WVGA	Wide VGA format with 16:10 aspect ratio. 800x480 pixels.

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	VGA	VGA format with 4:3 aspect ratio. 640x480 pixels.
	QVGA	Quarter VGA format with 4:3 aspect ratio. 320x240 pixels.

Mic — Select whether to pick up the surrounding sound when recording videos.

	Off	When turned off, no sound is recorded with the video.
	On	When turned on, sound is recorded with the video.

Tap ⊞ and then tap **General** to display general camera settings valid for both the still and video camera.

Self-timer — With the self-timer you can record a video without holding the phone. Use it to record a video where everyone can be in it. You can also use the self-timer to make sure that the phone is steady when the video is recorded.

	10 seconds	Sets a 10-second delay from when the shutter key is pressed until the video recording starts.
	2 seconds	It can be hard to hold the phone perfectly still when pressing the shutter key, which may result in a blurred video. Use the 2-second delay to solve this problem.
	Off	When the self-timer is off, the video recording starts as soon as you press the shutter key.

Auto review — Select whether to show or not show the photo or video just after you have taken it.

On	When **Auto review** is on, you can review, and delete or send, the photo or video just after you have taken it.
Off	When **Auto review** is off, you return to the viewfinder directly after you have taken a photo or recorded a video. This speeds up the process of taking a new photo or recording a new video.

GPS location — You can tag videos with details of where you took them. Show friends and family where you were on a map, or use geotags to find your way back to the location another time.

	Off	When turned off, you are not able to view the location of where you recorded a video on a map.
	On	When turned on, the approximate geographical location is added to videos when you record them. This information can later be used to identify the location where the video was recorded.

Save To — You can select to save photos and videos in the phone memory or on the memory card. If the memory is full, you cannot save anything until you have deleted some files.

	Phone	Photos and videos are saved in the phone memory.
	Memory card	Photos and videos are saved on the memory card.

Image stabilizer — When recording a video, it can be difficult to hold the phone steady. The stabiliser helps you by compensating for small movements of the hand.

	On	It is recommended to have the stabiliser turned on.
	Off	When the stabiliser is turned off, the video you record might look jumpy.

Reset file num. — Resets the file number for photos and video saved on the memory card.

Reset settings — Resets all the camera settings to the original settings.

Version — Displays the version of the camera application.

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Working with photos and videos

You can view, enhance and organise photos on your computer by installing the *Adobe® Photoshop® Album Starter Edition*. It is available for download at *www.sonyericsson.com/X2support*.

You can use **Media Go™** to transfer content to and from your phone.

Viewing photos and videos

You can use the camera or SlideView to view your photos and videos. You can also access photos and videos in **File Explorer**.

To view photos and videos using the camera

1 Activate the camera.
2 Tap 🔳.
3 Flick through your photos and videos. Videos are indicated by 🔳.
4 Tap a photo or a video to view it in full view. Flick to scroll through photos and videos. Tap 🔳 to play a video.
5 Tap 🔳 to return to thumbnail view.

Photo and video storage

You can save your photos and videos either in the phone or on the memory card. You can find photos in the phone memory in **File Explorer**: **\My Device\My Documents\My Pictures\Camera\100XPRIA**, or on the memory card: **\Storage Card\DCIM**. You can find videos in the phone memory in **File Explorer**: **\My Device\My Documents\My Videos \Camera\100XPRIA**, or on the memory card: **\Storage Card\DCIM**.

To set storage location

1 Activate the camera, tap 🔳 or 🔳.
2 Tap 🔳 .
3 Tap 🔳 and then tap **General**.
4 Tap **Save To** and select an option.

To view files in File Explorer

1 Tap 🔳 > **File Explorer**.
2 Select the phone memory or the memory card and then tap the **My Pictures** or **My Videos** folder.

Sending photos and videos

To send a photo or a video you have just taken

1 Activate the camera.
2 Take a photo or a record a video clip.
3 Tap 🔳.
4 Select **Upload via email** or **Upload via MMS**.

To send photos or videos saved in the phone

1 Activate the camera.
2 Tap 🔳.
3 To send a single item, tap the item, then tap 🔳.
4 To send multiple items, tap 🔳, select the items you want to send, then tap 🔳.

Multimedia

You can use **Media** in SlideView to browse and use media files such as pictures, music and video. Media files in your **My Documents** folder in **File Explorer** in the phone, and media files on the memory card, are listed in **Media**. **Media** also contains games.

To open Media

1 Press ▢ to open SlideView.
2 Tap **Media**.

Pictures

You can use **Pictures** in **Media** to view your photos and pictures. The pictures can be captured with the phone camera, received from other devices, or moved to your phone using **Media Go™**.

The pictures are sorted into two categories:

- ▨ – **Camera album** – Photos taken by the camera. Photo files are stored in the phone memory in **File Explorer**: **\My Device\My Documents\My Pictures\Camera \100XPRIA**, or on the memory card in **File Explorer**: **\Storage Card\DCIM**.
- ▨ – **Pictures** – Picture files are stored in **File Explorer**: **\My Device\My Documents\My Pictures**.

To view a picture

1 Press ▢ to open SlideView.
2 Tap **Media** > **Pictures**.
3 Tap a category to view its content.
4 Tap a picture to open it.

Picture viewer toolbar

The toolbar is available when a picture is opened. You can tap the picture to view the toolbar. You can tap again to hide it.

Icon	Function
▣	Zoom in. Use the stylus to pan the picture
▣	Rotate. Select ▣ and then tap and hold the picture and rotate it. When you release the photo, it snaps to the nearest 90 degree angle
▣	Back to the previous menu
▣	Go to the previous picture
▣	Start a slideshow with the pictures in the current folder
▣	Go to the next picture

Music

To play music

1 Press ▢ to open SlideView.
2 Tap **Media** > **Music**.
3 Browse by track ♫, artist ▣, album ◉, or playlist ▣ by tapping the icons.
4 Tap a track to play it.

To stop playing music

- In the music player, tap ▣.

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To fast forward or rewind

- Drag the timeline marker to fast forward or rewind.

To move between tracks

- In the music player, tap ⏮ or ⏭.

To change the volume

- Drag the volume marker.

To minimize the music player

1 In the music player, tap ⮐. The music player appears as a mini player in SlideView.
2 You can now use SlideView or other applications while your music is playing.

To use the music player in the background

1 When listening to music, tap ⤢.
2 Select another application.
3 Press ▤ to return to the music player.

To use the music mini player

- Tap the mini player bar to display the mini player controls in SlideView.
- Use the controls in the same way as in the traditional music player.
- Tap outside the mini player to hide the controls.
- Tap 🎵 to open the music player.

Playing music in random order

You can play tracks in random order if you are playing an album or a playlist.

To play tracks in random order

1 In the music player, tap SHUF.
2 Tap ▶.

Playlists

You can use playlists that you have created on a computer or in other applications. You can transfer playlists to your phone using **Media Go™**.

To open a playlist

1 Press ▤ to open SlideView.
2 Tap **Media** > **Music**.
3 Tap ⮐.
4 Tap **Playlists**.
5 Tap the playlist you want to open.

⚠ For more information on how to transfer files from your computer, see *Transferring content* on page 76.

Stereo portable handsfree

To use the handsfree

- Connect the portable handsfree. Music stops when you receive a call and resumes when the call has ended.

⚠ If headphones are not included with the phone, you may purchase them separately.

Video

To play a video

1 Press ▭ to open SlideView.
2 Tap **Media** > **Videos**.
3 Scroll to a video and tap to play it.

Video player controls

Tap the screen to pause the video and access the following controls:
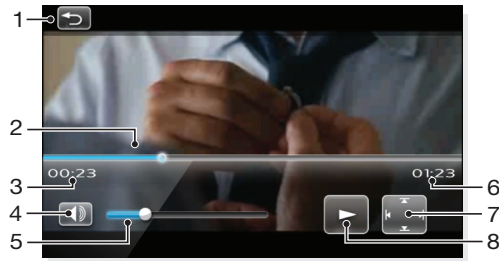
1	Close the video player
2	Timeline marker. Tap the timeline to jump to any part of the video clip
3	Elapsed time
4	Mute the sound
5	Volume marker. Tap to increase or decrease the volume.
6	Total time
7	Change video size between original size and fullscreen
8	Resume playback

Streaming media

You can stream media, such as live broadcasts or on-demand media content, directly from the Web. The media is sent in a continuous stream to your phone and is played as it arrives, along with the audio.

When you open streaming media in the phone, the media player automatically opens and starts playing the content.

To access streaming content via a browser

1 Tap ▮ > **Internet Explorer**.
2 In the address bar, enter the URL address of the Web page that contains the streaming meda file or link.
3 On the Web page, tap the file or link.
4 The streaming media file automatically opens and starts to play. During playback, use the button controls to play/pause, zoom in or out, adjust the sound volume, and more.

Synchronizing music and video

When you connect the phone to a computer using the USB cable, media content such as music and video is automatically synchronized according to how you have set up the synchronization.

To set up media synchronization

1 **Computer:** Install Windows Media Player version 11 (works on Windows XP or later).
2 Set up synchronization. Make sure you select the media items or information types you want to synchronize.
3 **Phone:** If you use Exchange ActiveSync®, tap ■ > **ActiveSync**.
4 Tap **Menu** > **Options** and mark the **Media** check box.
5 Tap **ok**.

To synchronize music and video

1 **Computer:** Open Windows Media Player, and connect the phone to your computer using the USB cable.
2 In the Device Setup Wizard, select **Yes, search my computer now** (only if you have not searched for media on your computer before).
3 When you see the phone or memory card, click **Finish**.
4 On the left panel of the Windows Media Player, right-click the phone name/memory card, and then click **Set up sync**.
5 In the Device Setup dialog box, select **Sync this device automatically**.
6 Select the playlist(s) you want to synchronize between the computer and the phone, then click **Add**.
7 Click **Finish**. Synchronizing starts.

🔆 The next time you connect your computer and the phone when Windows Media Player is running, synchronization will start automatically.

Transferring content

You can copy files between the phone and a computer.

- If your computer uses Windows XP®, you should use Microsoft® Exchange ActiveSync® 4.5 or later. You can download Exchange ActiveSync® to your computer from *www.sonyericsson.com/X2support*.
- If your computer uses Windows Vista®, you should use Windows® Mobile Device Center, which is part of Windows Vista.

To copy files between the phone and a computer

1 Connect the phone to your computer.
2 Depending on the operating system of your computer, do the following:
   - **Computer using Exchange Active Sync®:** Click **Explore** in Exchange ActiveSync®.
   - **Computer using Windows Mobile Device Center:** Click **File Management** > **Browse the contents of your device**.
3 **Computer:** Copy files or folders between the devices using standard Windows procedures.

Games

Your phone contains preloaded games. You can also download games from, for example, *www.playnow.com* and *www.sonyericsson.com/fun* from a computer and *m.playnow.com* from your phone. Help texts are available for most games.

To play a game

- Tap ■ > **Games**.

PlayNow™

When you browse the Internet with your phone and go to *m.playnow.com*, you enter PlayNow™, where you can download panels, music, applications and games. You can preview or listen to content before you purchase and download it to your phone.

❗ This service is not available in all countries.

For extended functionality, you can also access the PlayNow™ Web shop on a computer from *www.playnow.com*. For more information, go to *www.sonyericsson.com/X2support* to read the *PlayNow™* Feature guide.

To access PlayNow™

- To access PlayNow™ from SlideView, press ▣, then select **PlayNow**.
- To access PlayNow™ from the Start menu, select ▣ > **PlayNow**.

GPS – Location-based services

Your phone is equipped with a GPS receiver that uses satellite signals to calculate your location.

Using GPS

When you use features that require the GPS receiver to find your location, make sure you have a clear view of the sky. If the GPS receiver does not find your location after a few minutes, you should move to another location.

! Some GPS features use the Internet. Data rates and charges may apply.

Google Maps™ for mobile

Google Maps™ lets you view your current location, find other locations and calculate routes.

When you start Google Maps your approximate location is shown using information from nearby mobile base towers. When the GPS receiver finds your location, the GPS location replaces the approximate location.

To use Google Maps

- Tap ⊞ > **Google Maps**.

To view help about Google Maps

- In Google Maps, tap **Menu** > **Help**.

Managing your phone

Handling content with File Explorer

You can use **File Explorer** in your phone to handle content saved in the phone memory or on a memory card. If the memory is full, delete some content to create space.

To use File Explorer

* To open **File Explorer**, tap ⊞ > **File Explorer**.
  In **File Explorer**, you can do the following:

Command	How to
Go up one level in **File Explorer**	Select **Up**
Open a folder in the present view	Tap the folder
Create a new folder	Select **Menu** > **New Folder**
Open a file	Tap the file
Copy, cut or paste a file or folder	Tap the file or folder, then select **Menu** > **Edit**
Rename a file or folder	Tap the file or folder, then select **Menu** > **Rename**
Delete a file or folder	Tap the file or folder, then select **Menu** > **Delete**
Go directly to a folder	Use the drop-down boxes in the top left and top right of the screen

Searching information

You can search for files and other items stored in your phone by file name or by words located in the item. For example, you can search in **Search Phone** and in online help.

To search for a file or an item

1. Tap ⊞ > **Search Phone**.
2. In the **Search for** field, you can:
   * Enter the file name, word, or other information you want to search for.
   * In the drop down list, select one item that you have looked for before.
3. In the **Type** field, select a data type.
4. Tap **Search**.
5. In the **Results** list, tap the item you want to open.

Installing applications

You can install additional programs for your phone. The programs must be compatible with your phone, meaning they must be compatible with Windows Mobile version 6.5.

To install an application

1. First download the program to the computer.
2. If the program file is in compressed format, such as **.zip**, first extract the file.
3. Read any installation instructions or documentation that comes with the program. Many programs provide special installation instructions.
4. Connect your phone to the computer, preferably with the USB cable.
5. Double-click the program file (usually of **.exe** format). If it is of **.cab** format then copy the file in the device and click on the file from the device to start installation.

Removing applications

You can remove programs that you have installed. You cannot, however, remove programs that come with the phone.

To remove an application

1 Tap ⊞ > **Settings** > **System** > **Remove Programs**.
2 In the **Programs in storage memory** list, select the program you want to remove and tap **Remove**.
3 Tap **Yes**. If another confirmation message appears, tap **Yes** again.

Power saving

You can improve battery time by closing applications running in the background and disabling unnecessary functions. Animated pictures and some older types of SIM cards are also power consuming.

To decrease brightness

1 Tap ⊞ > **Settings** > **System** > **Backlight and Power Management** > the **Backlight tab**.
2 Decrease the brightness with the slider.

To use automatic turn off

1 Tap ⊞ > **Settings** > **System** > **Backlight and Power Management** > the **Advanced** tab.
2 Mark the checkboxes and shorten the time before the different functions are turned off.

To turn off connections

1 Tap ⊞ > **Settings** > **Communication Manager**.
2 Turn off the connections you do not need. Wi-Fi and Bluetooth technology, as well as Microsoft Direct Push and data connections, are rather power consuming.

Update Service

You can update the software of your phone in order to improve performance. This is done using the Sony Ericsson Update Service.

To use Update Service

A USB cable is required for this operation.

1 From a PC with an Internet connection, go to *www.sonyericsson.com/update*.
2 Follow the instructions to install the latest available software in your phone.

Resetting the phone

You can reset your phone to factory default settings. You can also use **Clear phone memory** to simultaneously reset your phone to factory settings and delete all phone content, for example if you want to let someone else use your phone.

❗ Before performing a **Clear phone memory**, you need to back up all data, for example photos and music stored in the phone, in order not to lose this data.

To reset the phone to factory settings

1   Remove the battery cover and the stylus. Locate the small hole (see picture).
2   Insert a thin object into the hole and press down.

To reset the phone to factory settings and delete all phone content

• Select ⊞ > **Settings** > **System** > **Clear phone memory**.

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Sony Ericsson X2

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