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### **Important Safety Information**

Please read the following information carefully before you start using your device to avoid any damages caused by improper usage:

- **The device is partially charged when you take it out of the box.**
- **The battery should be charged for at least 8 hours before first use. Please use the charger supplied. Do not remove the battery while charging.**
- **Do not use batteries which have not been specified by the manufacturer, as this may cause leakage, rupture or personal injury.**
- **Do not charge the battery with an unspecified AC Adapter, as this may cause damage to both the device and the battery.**
- **When discarding the batteries, dispose of them in a proper manner, according to the battery manufacturer’s instructions and your local laws.**
- **Power off the device and remove the battery before inserting the SIM card. Make sure the SIM card clips correctly into the SIM socket.**
- **Do not open or tamper with the device cover.**
- **Do not press down hard on this product, as it may cause damage to the screen or the internal components.**
- **Do not use the device at gas or refuelling stations, chemical plants, and places containing explosives or flammable materials.**

- Do not strike, shake or heat the device in a way which may cause battery leakage or rupture and damage to the device.
- Use only the manufacturer-specified stylus. Do not scratch the screen with hard objects.
- Do not clean the screen with chemical detergents. Only use cloths specifically designed for cleaning liquid displays to wipe the device screen.
- Do not expose the device to direct sunlight or leave the device in a humid environment for extended periods of time, as this may cause damage to the device and battery.
- Do not immerse the device in water.
- The device may interfere with the navigation and/or communication systems on aircraft.
- The use of the device on aircraft is prohibited by laws in most countries.
- Use the hands-free mode, if you need to use the telephony services, while driving a vehicle.

### **Interference with Medical Equipment Functions**

This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.

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Your device may be preset with a ROM Lock Code. If it is, then the number must be entered into the device if you wish to perform a software upgrade. If a ROM Lock is present, then it will be printed on the box, and we suggest you make a note of it here

ROM Lock Code: \_\_\_\_\_

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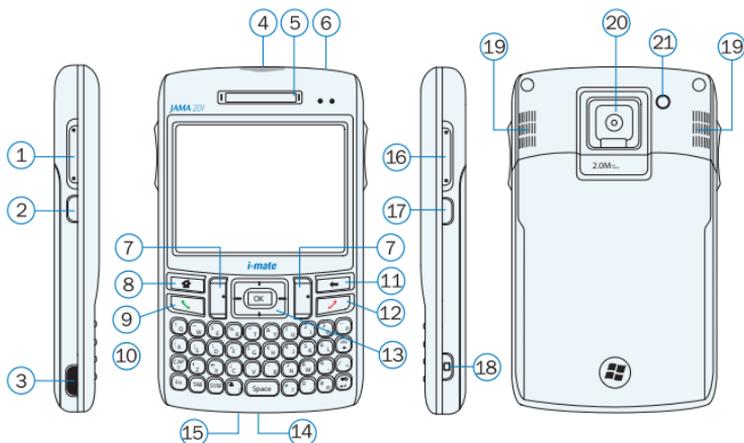
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## Getting to Know Your Device **Chapter 1**

## VIEWS OF THE DEVICE



## Device buttons and connectors

No.	Item	Function
1.	Scroll Key	Press Up/Down to scroll through menus and options.
2.	OK Key	Confirms the selection from the scroll key.
3.	Mini-USB Connector/Earphone Jack/Charger	Plug in the AC adaptor to charge your device. Also used to connect your device to your PC, and for your wired headset.
4.	Slot for Micro SD Memory Expansion Card	Insert micro SD memory card with metal contacts facing downwards.
5.	Earpiece	For use during phone calls.
6.	Power Button	Press button to open the device menu. Press and hold for 2 seconds to power on/off your device.
7.	Left Soft Key/Right Soft Key	Performs the command shown in the label above the button.
8.	Home Screen Key	Press this key to return to the Home screen

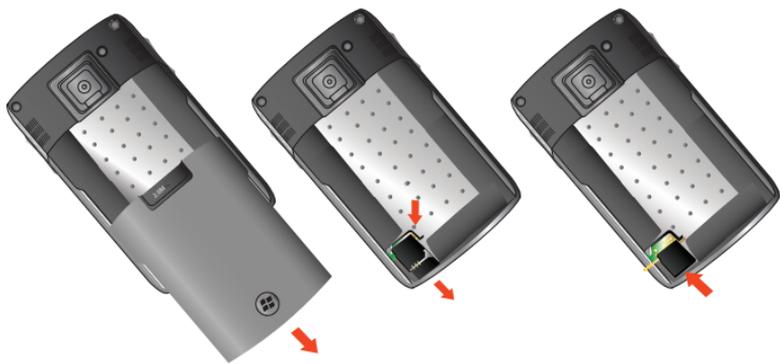
No.	Item	Function
9.	Talk/Send Key	Press this key to answer an incoming phone call, or press to dial a number.
10.	OK Button	Confirm the selection from the Navigation pad by pressing the centre button.
11.	Back/Delete Key	Press this to go back to the previous screen or delete the last number or letter.
12.	End Call Key	Press to end a phone call.
13.	Navigation Pad	Press this multi-directional control up, down, left, or right to move through menus, or programs.
14.	Reset Switch	Insert a pen/pencil to restart your device (Soft Reset).
15.	Microphone	Speak into the microphone when receiving or making a phone call. Also used when making a voice recording.
16.	Volume Up/Down	Press to increase or decrease the earpiece volume. Also press Volume Down once to silence the device when receiving an incoming call.
17.	Start Key	Press this key to open the Programs menu.
18.	Camera Button	Press to launch the camera application. Press again to take a picture or start a video recording.
19.	Loudspeakers	Used for Speakerphone and music playback.
20.	Camera Lens	For taking pictures or video images.
21.	RF Plug	Cover for GSM connector.

## INSTALLING YOUR SIM CARD

Follow these steps to install the GSM SIM (Subscriber Identity Module) card provided by your local network service provider. The SIM card contains your phone number, service details, and phonebook/message memory.

Your device supports 3V SIM cards. Some legacy SIM cards will not function within this device. The customer should consult with their service provider for a replacement SIM card. There might be a fee for this service.

1. Make sure your device is turned off.
2. Slide the cover back to remove the battery cover.
3. Proceed to remove the battery first. Then, insert the SIM card into the SIM card slot with its gold contacts facing down (the cut-off corner of the SIM card should match the cut-off corner in the slot).



4. Replace the battery and gently push down to fit it into place.
5. Replace the battery cover.

## INSTALLING THE BATTERY

1. Align the exposed metal contacts on the edge of the battery with the prongs in the body of the phone and gently push the bottom of the battery into place.
2. Slide the cover on the phone.



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The Battery must be fully charged before you use your phone for the first time.

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## POWERING YOUR DEVICE ON/OFF

Your Device will receive calls or messages in either Normal or Sleep Mode. The device will enter Sleep Mode automatically after a short time.

- To Power On or Off your device completely, press and hold the Power button for 2 seconds.
- When powered off, your device cannot receive calls and alarms/alerts are disabled.
- To allow alarms and alerts to still function, but to switch off GSM radio, press the Power button and select Wireless Manager, then select the phone icon.

## HOME SCREEN DISPLAY

Important information such as current date, time, status indicators, appointments and profile are displayed on the Home Screen. You can open a program directly by selecting its icon and pressing OK. The Home Screen can be accessed from any application by pressing the Home Key.



No.	Description	No.	Description
1.	The date and time.	6.	Display of appointments.
2.	Status indicators, described in the next section	7.	The current profile, with corresponding volume settings, etc.
3.	Your wireless service provider's name.	8.	Click here to read new messages.
4.	Recently-used programs are shown here. Click on an icon to run it again.	9.	Click to display the Programs Menu.
5.	Click to access the details of missed calls.	10.	Click to open Contacts, Messages or Call History. The function of this button depends on what events have occurred on the device previously.



The Start Menu appears over several pages. Press "More" (Left Soft key) to scroll through all programs. The additional "More" presses are not described in details in this manual.

## STATUS INDICATORS

Status indicators appear at the top of the screen.

The following table lists common status indicators and their meanings.

Icon	Description	Icon	Description
	Battery is full.		Voice call in progress.
	Battery is very low.		Calls are forwarded.
	Battery charging.		Call on hold.
	Battery fault.		Missed call.
	New instant message.		GPRS connection has been made. To disconnect, select Menu > Disconnect, from the Wireless Manager application.
	New e-mail or text message.		GPRS data service is available.
	There are several notifications for you to view.		GPRS is connecting.
	Ringer on.		Silent Mode.
	Connected to the PC.		Vibration Mode
	You are connected to a foreign network operator (Roaming).		No SIM card installed.
	GSM signal strength. The number of bars indicates the signal strength.		Flight Mode.
	Bluetooth is on.		Synchronisation error.

## ENTERING INFORMATION

### The QWERTY keyboard

Your device has a QWERTY keyboard, which is similar to a standard keyboard on your PC. You can do the following with the QWERTY keyboard:

- To type lowercase letters, press the keys using your thumbs or fingers
- To type a single uppercase letter, press  and then press the corresponding key.
- To use all uppercase letters, press  twice.
- To enter a number or symbol (labelled in blue color), press  and then press the corresponding key.



- Press the Left/Right SOFT KEY (  ) to perform the command shown in the label above the key.
- Press  on the side of your device to open the Programs menu.
- Press  backspace key to either delete the last typed character or go back to the previous application.
- To type accented characters (like á, â, ç, ñ, ê, í, ô, ú, etc), press the letter key first and then  as many times as required until the screen shows the required character. This can also be used to get through available symbols.

Making a call

Receiving a call

In call options

Special dialing requirements

## Using your phone **Chapter 2**

## MAKING A CALL

You can use your i-mate Windows Mobile Standard Edition device to make, receive, and keep track of calls. You can also dial directly from Contacts, and easily copy phone numbers stored on your SIM to Outlook Contacts on the device.

In order to make calls, you will need to insert your SIM card into the device as described in the previous chapter. Most SIM cards are preset with a PIN (personal identification number), which is provided by your wireless service provider. If this option is enabled in your SIM, you will be prompted to enter the PIN when the unit is switched on.

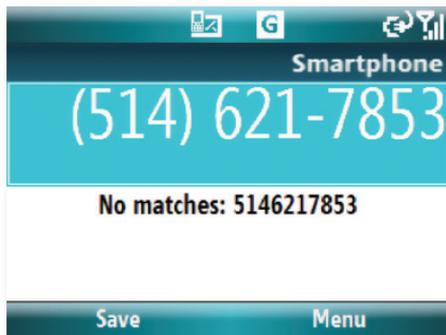


If your PIN is entered incorrectly three times, the SIM card will be blocked. If this happens, you can unblock it with the PUK (PIN Unblocking Key) obtained from your wireless service provider.

You can make a call from many different screens on your phone. These include: Phone, Contacts, Speed Dial, Call History, and SIM Manager.

### Make a call by entering a phone number

- On the Home screen, enter the desired phone number, and press the Talk button. This will automatically open the Phone Application
- To end a call, click on the End Call button.



## Making a call from the Phone Application.

- Press the green call button to open the phone dialer.
- Dial the number directly.
- Or start typing your contact's name or number & scroll to the correct contact.
- Press the green talk button.

## Make a call from Contacts

- Press Start and select Contacts or press the Right Soft Key.
- To search for a contact, enter the desired name or number in the Search field.
- Select the desired contact, and press TALK. Alternatively, press OK to give the option to call, send text messages, etc.

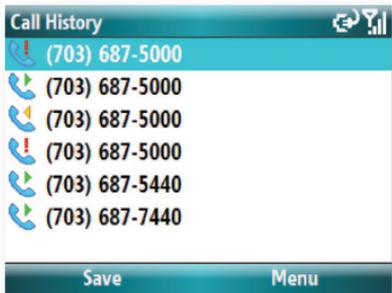
By default, the mobile telephone number (m) of a contact is dialed when you make a call from Contacts. However, you can specify that a different phone number is used instead.

- Click Start > Contacts.
- Press NAVIGATION up or down to select the contact.
- Press NAVIGATION left or right. The letters representing the number will change as you scroll through them.

## Make a call from Call History

Press Start, and scroll to Call History. This displays calls you have made, received, and missed.

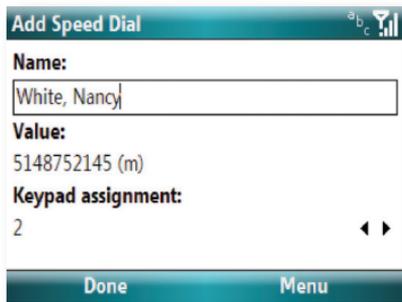
- Scroll the name or phone number to call.
- Press TALK.



## Make a call from Speed Dial

Use Speed Dial to call frequently-used numbers with a single click. For example, if you assign a contact to the location 2 in Speed Dial, you can simply press and hold button 2 on the Home Screen to dial the contact's number. Before you can create a Speed Dial entry, the number must already exist in Contact list. To create a Speed Dial entry:

- On the Home Screen, click Start > Contacts.
- Click on the contact for whom to create a speed dial.
- Click Menu > Add to Speed Dial.
- In the keypad assignment, select an available location for the new Speed Dial.



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To delete an entry, in the Speed Dial list, click Menu > Delete.

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## Making an emergency call

To make an emergency call just enter the emergency phone number for your location and press TALK.



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You can make calls to emergency services under any circumstances, even if you have enabled the SIM PIN or locked the device. The ability to make emergency calls depends on network availability.

---

## RECEIVING A CALL

When you receive a phone call, a message will appear, giving you the option to either answer or ignore the incoming call.

- To answer the call, click Answer, or press the green TALK button (left soft key).
- To reject the call, click Ignore, or press the red END button (right soft key).
- To silence an incoming call press Volume Down on the right hand side of the device.

### To end a call

Once an incoming or outgoing call is in progress, you can press the red END button (right soft key) on the device to hang up.

## IN CALL OPTIONS

### To put a call on hold

If this option is enabled, your device notifies you when you have another incoming call, and gives you the choice of rejecting or accepting the call.

If you are already on a call and accept the new call, you can choose to switch between the two callers, or set up a conference call between all three parties.

- Click Answer to take the second call, which will put the first call on hold.
- To end the second call and return to the first call, press END call button on your device.
- To switch between calls, click Menu > Swap, or press the TALK button.

### Set up a conference call

1. Either put a call on hold, and dial a second number or accept a second incoming call when you already have one in progress.
2. Click Conference.



Not all service providers support conference calling. Contact your service provider for details.

---

## To turn the Speakerphone on and off

The built-in Speakerphone on your device allows you to talk hands-free or lets other people listen to the conversation. In order to activate the speakerphone, click Menu > Speakerphone On. The speakerphone icon (📞) appears in the title bar. To turn off the speakerphone, click Menu > Speakerphone Off.

## Mute a call

You can turn off the microphone during a call, so that you can hear the caller but the caller cannot hear you. During a call, click Mute (Left Soft key).

- When the microphone is turned off, the mute icon appears on the screen.
- Click Unmute to turn on the microphone again.

## SPECIAL DIALING REQUIREMENTS

### Insert a pause in a dialing sequence

Calls to certain networks may require a pause in between the dialed digits. To do this:

1. Click Start > Contacts.
2. Click the contact in whose phone you want to insert a pause.
3. Select the phone number and add a 'p' character where you want to insert a 3 second pause.
4. Select the phone number and add a 'w' character where you want to insert a manual pause.
5. To resume dialing after reaching a manual pause, press TALK.

### Insert an International Country Code

To make an international code, you must insert a country code at the beginning of the dialing sequence for the phone number, e.g. +44...

# **Chapter 3**

## Personalising your phone

Home Screen

Ringtone and notifications

General settings

SIM security

## HOME SCREEN

The Home Screen is the screen displayed on the phone when you press the Home Key. Please refer to Chapter 1 for details on status indicators which are displayed in the Home Screen. You are able to customise the Home Screen and this is described in the sections below.

There are two file categories that can be used to create a Home Screen for your device:

- **A picture file on its own.**
- **A prepackaged unit that includes a picture, a colour scheme and a new layout.**

For the first option you may use a .bmp (Bitmap), a .jpg (JPEG) or a .gif format picture.

For the second option you may find prepackaged files with the extension of .hme or .cab. The guideline document <How to install a cab file on your smartphone> will guide you through the installation process.

### **To copy an image to your phone for use as a Home Screen**

1. If necessary, please install ActiveSync software on your PC first which is available on your accompanying CD (Chapter 6). Connect the phone to your PC using a USB cable is probably the simplest method.
2. From your PC, copy an image file you want. The file format must be .gif, .jpg, or .bmp.
3. In ActiveSync on your PC, click Explore and double-click My Windows Mobile Device.
4. Do one of the following:
  - Double-click My Documents, double-click the folder My Pictures and paste the image file into that folder.
  - If you plan to use the image as your Home Screen background, double-click ApplicationData, double-click Home, and paste the image into that folder.



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For best results, use images with the same screen resolution for your phone's screen resolution, which is 320x240 pixels.

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## Changing the Home Screen appearance

1. On the Home Screen, click Start > Settings > Home Screen.
2. Under Home screen layout, Colour scheme and Background image, select the options you want and click Done.



### Alternative method to set an image as the Home Screen

1. On the Home Screen, click Start > Pictures & Videos.
2. Select the picture to set as the background.
3. Click Menu > Use as Home Screen.
4. Under Adjust the transparency, select a higher percentage for more transparent picture or a lower percentage for a more opaque picture.
5. Click Finish.

## RINGTONE AND NOTIFICATIONS

A ring tone is a sound made by the phone to indicate an incoming call. This sound can be different for different persons according to your contact list. The ring tone is made up from the sound file. This sound file can also be used for other events such as notifications or reminders when a calendar appointment is due.

### Copying a sound to your phone

After a sound file is copied to your phone, you can use it as a ring tone, notification, or reminder.

1. Connect the phone to your PC using a USB connection (see the chapter on ActiveSync setup for your PC).
2. On your PC, copy the sound file you want.
3. In ActiveSync on your PC, click Explore and double-click My Windows Mobile device.
4. Do one of the following:
  - To save the sound file on your phone, double-click Application Data, double-click Sounds, and paste the file into that folder.



For ringtones and notifications, the sound file can be either midi, wma, mp3, amr or wav file format.

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When you select a sound, the sound plays. To hear it again, select Menu > Play.

---

### Specifying the sound for an event

1. On the Home Screen, click Start > Settings > Sounds.
2. Under an event, click a sound. The phone plays each sound as you select it. Click None if you don't want to hear a sound.
3. Repeat for each event, and click Done.

## To change the current profile

The Profile feature defines how your phone notifies you of incoming calls, alarms, etc. for example

- Normal - For day-to-day use. Device will ring.
- Silent - Device will not ring or vibrate.
- Meeting - vibrates as you are in a meeting.

1. On the Home Screen, click Profile: [Type]. Example Profile: Normal.
2. Select a new profile, and click Done.



Some profiles are selected by the device depending how it is being used at the time. For example, the device will move to "Headset" profile when you plug in a headset.

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You can also change the profile by using the Quick List, accessible by a short press on the Power button. The Automatic profile adjusts your profile automatically.

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## Customising a Profile

1. On the Home Screen, scroll down to select Profile.
2. Scroll to the profile to edit.
3. Click Menu > Edit.
4. Do one of the following:
  - Modify the settings, and click Done.
  - To cancel without saving changes, click Cancel.



To revert to the default profile settings, click Menu > Reset to default.

---

## GENERAL SETTINGS

Although these are not mandatory to use the phone, for optimum use it is advised that you go through and set them up.

Setting the date and time:

1. On the Home Screen, click Start > Settings > Clock & Alarm > Date & Time, followed by  key.
2. In the Time Zone, select your time zone.
3. In Date, edit the month, day and year using the navigation button to get to each field.
4. In Time, edit the hour, minute, and second.
5. Click Done.



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To change the format of the date for your region, set this using the 'Regional Settings' menu described later on.

---

### To set the alarm

1. On the Home Screen, click Start > Settings > Clock & Alarm.
2. In Alarm, choose on or off:
3. In Alarm time, enter the time (\*) for the alarm to go off.
4. Click Done.



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The format of the time (\*) is dependent of the time format setup in your phone settings under Regional Settings, i.e. 24 - hour format or hh:mm:ss AM or PM

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### Entering Owner Information

Entering owner information allows someone to return the phone to you in case it is lost.

1. On the Home Screen, click Start > Settings > Owner Information
2. Complete the following:
  - In Name, enter your name
  - In Telephone number, enter a number where you can be reached

- In E-mail address, enter your e-mail address.
  - In Notes, enter any other information you want to include.
3. Click Done.

### **Changing accessibility settings**

1. On the Home Screen, click Start > Settings > Accessibility.
2. Select your preference for the following:
  - System font size to set the size of the font that is displayed on the screen.
  - Multipress time out to set the length of time between keypresses when entering text in Multipress mode.
  - Confirmation time out to set the delay before an unconfirmed action times out.
  - In-call alert volume to set the volume of sounds that play when you are in a call.
3. Click Done.

### **Changing regional settings**

**You can specify the language, locale, date and time format, as well as number and currency formatting options.**

1. On the Home Screen, click Start > Settings > Regional Settings.
2. In Language, select your preferred language.
3. In Locale, select the locale for the language you selected. The locale option automatically changes the format of the remaining options (such as date, time, and currency) according to the locale you specify.
4. Click Done.

### **Changing Power Management Settings**

You can use Power Management to check the battery and configure settings that prolong battery life.

1. On the Home Screen, click Start > Settings > Power Management.
2. Adjust the following:
  - In Backlight time out on battery, select the amount of time for the phone to be idle before the backlight turns off.

- In **Backlight time out on AC**, select the amount of time for the phone to be idle before the backlight turns off when using AC power.
- In **Display time out**, select the number of minutes for the phone to be idle before the screen turns off.

### 3. Click Done.



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Main battery indicates the amount of battery life remaining.

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## SIM SECURITY

It is advisable to place some security in your phone and the SIM Card in the event that it is lost or stolen. However some security features can also be applied to prevent the phone from unauthorised use. The security which can be applied to the phone is:

- **Keypad lock** - to prevent the phone from making a call if the device keypad is accidentally pressed when it is placed in a handbag or a pocket.
- **Device lock** - prevents unauthorised use of the phone.
- **SIM PIN enable** - prevents unauthorised use of the SIM card in any phone.

### Enabling your SIM PIN

Be sure to make a note of your personal identification number (PIN). When the SIM PIN is disabled, you must provide the PIN to enable the SIM. The PIN associated with your SIM card is provided when you obtained the SIM card originally from your Service Provider.

1. On the Home Screen, click **Start > Settings > Security > Enable SIM PIN**.
2. Enter your current PIN and click **DONE**.

### Disabling your SIM PIN

This option is available only if your SIM PIN has been enabled first

1. On the Home Screen, click **Start > Settings > Security > Disable SIM PIN**.
2. Enter your current PIN, and click **DONE**.



If you fail to enter the correct PIN for your SIM card after 3 attempts, you will need to contact your Service Provider for the Personal Unblock Key (PUK). DO NOT attempt to guess the PUK thereafter as it will render your SIM card permanently inoperative.

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## Changing your SIM PIN

This option is available only if your SIM PIN has been enabled first.

1. On the Home Screen, click Start > Settings > Change SIM PIN.
2. Enter your current PIN and NEW PIN including it confirmation.
3. Click Done.

## Enabling the Keypad Lock

Locking the keypad turns off keypad functionality. This is a helpful feature if, for example, the phone is turned on and in your pocket, and you want to prevent accidental key presses.

- On the Home Screen, press and hold  key (which is at the bottom right of the keypad).
- Once the keypad is locked, the Left Soft Key label changes to Unlock.

The device will enter Sleep Mode quickly after the keypad has been locked.



You can still receive and make emergency calls when the keypad is locked.

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Press Power button on the top side of the phone to display the Quick list and click Key Lock.

---

## Unlocking the Keypad

Simply press the Unlock key in the Home Screen and the screen prompts you with the correct key press required to unlock the keypad. You may first need to wake up the device by pressing the Power or the End Call button.

## Enabling the Device Lock.

This complements the SIM PIN feature to provide additional security to your phone. It means that the phone is protected from unauthorised use.

1. On the Home Screen, click Start > Settings > Security > Device Lock.
2. In the "Lock phone after", select the amount of time for the phone to be inactive before automatically locking.
3. Scroll down to password to confirm your password.
4. Click Done.

## Disabling the Device Lock.

To disable the device lock:

1. On the Home Screen, click Start > Settings > Security > Device Lock.
2. You will be prompted for the password.
3. Uncheck the "Prompt if the device unused for" field.
4. Click Done.



Please make a note of the password. Otherwise, to make use of the phone again would require the phone to be hard reset and your personal data erased.

---

Automatic setup of your data connections

Manual setup of your data connections

Bluetooth

Beaming Files

## Getting connected **Chapter 4**

Your device is equipped with powerful networking functions that enable you to connect to the Internet through a General Packet Radio Service (GPRS) network. GPRS is a service that allows digital information to be sent and received across a mobile telephone network.

## **AUTOMATIC SETUP OF YOUR DATA CONNECTIONS**

Your device is able to configure itself for data services for many of the major operators across the world. Simply insert your SIM card and switch on your device. When the device powers on it will configure itself or Web, WAP and MMS services. If the settings are not known for your operator, the device will notify you and you will need to enter these manually.



The use of Web, WAP, and Multimedia Messaging Services is subject to your Mobile Service Provider. You must ensure that your subscription has Web, WAP, and MMS before using those services.

---

## **MANUAL SETUP OF YOUR DATA CONNECTIONS**

### **Introduction**

Every network connection is different. You should gather all of the relevant information or network settings you need from your Mobile Service Provider before starting this process, including

- Access point name (APN) or server phone number.
- User name (if required).
- Password (if required).
- Domain (if provided by your service provider).
- Proxy settings (if required).

1. On the Home screen, click Start > Settings > Connections.
2. Click GPRS ( or Dial-up, if GPRS is not available to you).
3. Click Menu > Add.
4. Enter the following information, and click Done.
  - In Description, enter a name for the connection.
  - In Connects to, select the type of network to which you will connect.
  - In Access point, enter the Access Point Name (or server phone number).
  - In User name, enter your user name for the GPRS network, if required.
  - In Password, enter your password, if required.
  - In Primary DNS, enter the primary Domain Name System (DNS) address, if required.
  - In Secondary DNS, enter the secondary DNS address, if required.
  - In IP address, enter the Internet Protocol (IP) address for the device, if required.

The device uses this connection when you open a program that connects to the Internet.

## Create a proxy connection

Dependent on your Mobile Service Provider's configuration, you may need to add a proxy connection to allow your phone to access the Internet or WAP services. Every network connection is different and your service provider will be able to advise if there is a requirement for this. You should gather all of the relevant information or network settings you need before starting this process.

1. On the Home screen, click Start > Settings > Connections.
2. Click Proxy.

The screenshot shows a mobile application window titled "Add VPN". The window has a teal header bar with the title and status icons (signal strength, battery). The main content area is white and contains the following elements:

- Description:** A text input field that is currently empty.
- VPN type:** A dropdown menu showing "IPSec/L2TP" with left and right arrow navigation buttons.
- Server:** A text input field that is currently empty.

At the bottom of the window, there is a teal bar with two buttons: "Done" and "Cancel".

3. Click Menu > Add.

4. Enter the following information, and click Done.

- In Description, enter a name for the connection.
- In Connects from, select the type of network from which you will connect.
- In Connects to, select the type of network to which you will connect.
- In Proxy [name:port] enter the proxy server name and port number in this form: server name: port number.
- In Type, select the type of proxy connection to create.
- In User name, enter your user name for the network to which you will connect.
- In Password, enter your password.

### Create a VPN connection

To connect to your office Intranet or email, you may require a VPN connection over your GPRS connection.

First ensure that you have setup a successful GPRS connection. You should gather all of the relevant information or network settings you need before starting this process. For the VPN to work, please also refer to the next section – Connect to Intranet URL.

1. On the Home screen, click Start > Settings > Connections > VPN.
2. Click Menu > Add.
3. Enter the following information.

**Add VPN**

**Description:**

**VPN type:**  
IPSec/L2TP

**Server:**

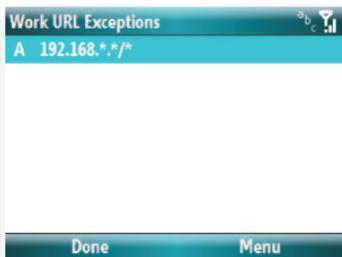
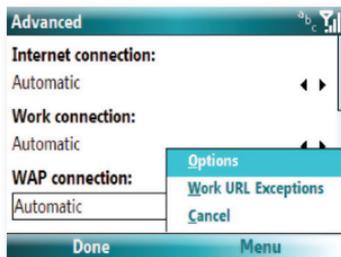
Done Cancel

- In **Description**, enter a name for the connection.
- In **VPN type**, select the type of VPN.
- In **Server**, enter the VPN server name.
- In **Connects from**, select the type of network from which you will connect to the VPN (typically The Internet).
- In **Connects to**, select the type of network to which you will connect (typically My Work Network).
- In **User name**, enter your user name for the VPN.
- In **Password**, enter your password.
- In **Domain**, enter the domain name, if required.
- If you selected **IPSec** in **VPN type**, in **IPSec authentication**, select the type of authentication: **Pre-Shared Key** or **Certificate**.
- If you selected **Pre-Shared Key** in **IPSec authentication**, in **IPSec Pre-shared key**, enter the key.
- Click **Done**.

## Connect to Intranet URLs

Some companies use full-stops in their intranet URLs (for example, intranet.companyname.com). A Work URL exception tells Internet Explorer Mobile and/or ActiveSync to look on the Work network to find the URL instead of searching the Internet. This has to be setup also if you wish to browse web sites in your intranet through your VPN connection.

1. On the Home screen, click **Start > Settings > Connections**.
2. Click **Menu > Advanced > Menu > Work URL Exceptions**.



3. Click Menu > Add.

4. In URL Pattern, enter the URL, and click Done. Separate multiple URLs with a semicolon (;).

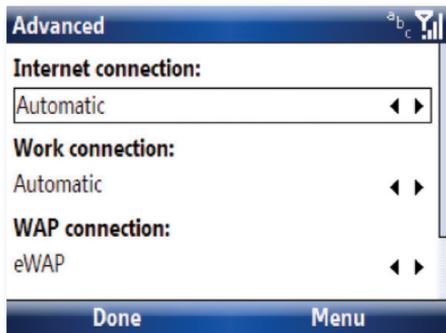


You should not create URL exceptions for URLs on the Internet. An intranet URL can be either IP addresses in your work intranet or a FQDN (Fully Qualified Domain Name).

## Use a specific connection to connect to the chosen networks

In order for the device to connect to the right access point for a particular type of data transfer, you must define which connection connects to which network.

1. On the Home screen, click Start > Settings > Connections.
2. Click Menu > Advanced.
3. In Internet connection, select the connection you want to use for general Web access, and click Done.
4. Similarly, select the connection you wish to use for the WAP network.
5. The Work Network connection is used if you are planning to use a Virtual Private Network connection.



## BLUETOOTH

Bluetooth is a short-range radio frequency technology that connects devices together for transmitting voice and data. The range is up to 10 metres, and typical applications are for connecting your phone to Bluetooth wireless headphones and Bluetooth Global Positioning System (GPS) units.

Bluetooth works by creating a pairing between two devices. This pairing is known as a 'partnership'. This partnership exists if the devices are moved out of range of each other or even if the devices are switched off. When the devices are switched back on or are moved into range, they will be connected with each other without needing to bond them again.

Bluetooth has 3 modes: Off, On and Visible. When the Bluetooth is Off, there is no power to the Bluetooth radio and so it does not function. When Bluetooth is set to On, your device will be connected to the devices it is already bonded with, but new devices will not be able to find your device. In Visible mode your device will act as the On state, but it will be also found by other devices and you will also be able to receive information being beamed to it.

### Turn Bluetooth On and Off

On the Home screen, click Start > Settings > Connections > Bluetooth.

1. Select Menu > Turn on Bluetooth.
2. If you wish to allow this device to be seen by other Bluetooth devices, select Menu > Turn on visibility.



You can also turn Bluetooth on and off using the Wireless Manager described later in this manual.

---

To create a Bluetooth partnership from your device to another device, this method can be used to connect a Bluetooth headset or GPS receiver to your device.

Ensure that the two devices are within close range, your device has Bluetooth turned On and that the device you wish to connect to is in Discoverable mode.

- On the Home screen, click Start > Settings > Connections > Bluetooth.

- Click "Add new device." Your device searches for other Bluetooth-enabled devices and displays them in the list.
- Select the device with which you want to create a Bluetooth partnership, and enter the passcode.

Bluetooth devices either have user - configurable passcodes, or preset values, which are often set to 0000.

---



You can have more than one concurrent Bluetooth partnership. Once you create a partnership, the Bluetooth-enabled devices do not need to be set to Discoverable to beam information between them; Bluetooth only needs to be turned on. To receive files over Bluetooth, first ensure that Beams are enabled, as explained in the next section.

---

### **End a Bluetooth partnership**

1. On the Home screen, click Start > Settings > Connections > Bluetooth.
2. Select the Bluetooth partnership you want to end.
3. Click Menu > Delete.

### **Overview of Bluetooth virtual COM ports**

Some programs can connect only through a serial (COM) port. This can be true even if the device itself is Bluetooth-enabled. To make it possible for such programs to use a Bluetooth connection, you must set up a virtual COM port. Once created, this virtual port can be used like any other COM port. You can use a virtual COM port for programs that, for example, connect to a GPS receiver, or to connect to a Bluetooth-enabled printer.

### **Set up an incoming or outgoing Bluetooth COM port**

1. Make sure that your device is currently connected to the other device via Bluetooth.
2. On the Home screen, click Start > Settings > Connections > Bluetooth.
3. Select the device and Click Menu > COM Ports.
4. Click Menu > New Incoming/Outgoing Port.
5. Select a numbered COM port from the list.
6. To use this COM port to communicate only with devices with which your device has a Bluetooth partnership, select the Secure Connection check box.
7. Click Done.

## BEAMING FILES

The term Beam is used to describe the short range transferring of information between two units. An example of beaming could be you sending the details of a contact to another Windows Mobile device.

### To Beam an item

In the Calendar, Contacts, Notes, Tasks, and Pictures programs, you can beam files and information to other devices using Bluetooth.

1. From the program, select the item you want to beam, such as an appointment in Calendar, a task in Tasks, a contact card in Contacts, or a picture in Pictures. In Calendar, first open the appointment in Agenda view. Click Menu > Beam.
2. In the contacts application, you should go to Menu > Send Contact > Beam.

### Receive beamed information

Your device is set by default not to receive beamed information. This is for the security of your device and to save your battery power.

1. Do the following:
  - To receive beams by using Bluetooth, ensure that your JAMA 201 Bluetooth is set with a tick against the option 'Make this device visible to other device' and is within close range.
2. You will be notified when data is being received on your device.
3. Once the information has finished being transferred, you will be asked whether you wish to store the item. Click Yes to keep it, or No to discard.



Text Messaging

Multimedia Messages

E-mail

Windows Live Services

## Messaging **Chapter 5**

This chapter describes how you can create or delete, send or receive, and organise or store your messages in the phone:

- Text messages (SMS).
- Email messages.
- Multimedia messages (MMS).

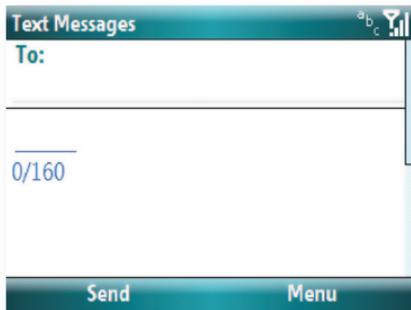
A guide to Windows Live Messenger is also given – which allows online chat over-the-air and access to your Hotmail e-mails.

## TEXT MESSAGE

Text Messaging (also known as SMS) is a popular way of sending short messages to other mobile phone users, and in some countries to land lines as well. Each text message is a maximum of 160 characters long. In some countries the maximum size is 70 characters if accented or other special characters are used. Several text messages can be joined together to make one message, and your device will do this automatically.

### Create a text message

1. On the Home screen, click Start > Messaging.
2. Click Menu > New Text Messages.
3. In the To: field, enter the mobile phone number of recipients. Insert a semicolon (;) between multiple recipients. You may also choose a contact by pressing Menu > Add Recipient (or simply press Return).
4. Click Send. The Text messages are sent immediately.





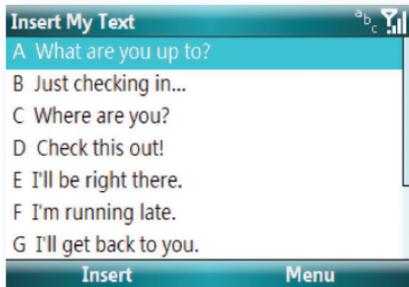
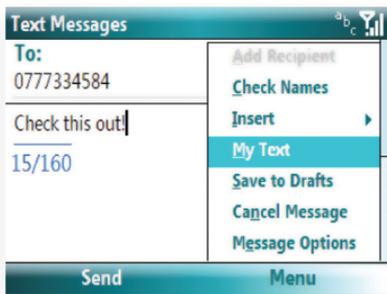
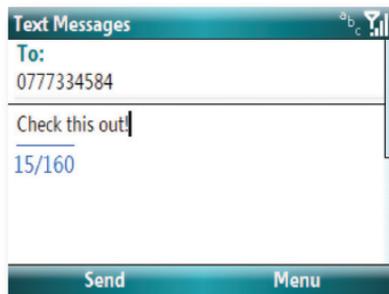
To cancel a message, click Menu > Cancel Message.

If you require Delivery notification, in the message creation screen above, click Menu and select Message Options to enable this.

## Insert predefined text into message

To save time when entering text, you can insert predefined text into messages.

1. On the Home screen, click Start > Messaging > Text Messages.
2. Select Menu > New.
3. Click Menu > My Text.
4. Select the text you want to insert by keying the number corresponding to that in the list above.



## Reply to a message

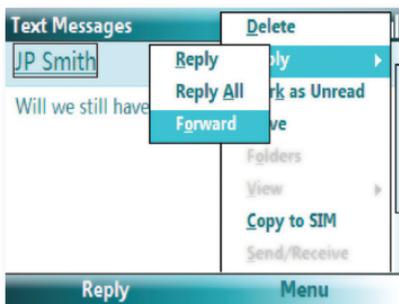
1. From an open message, click Reply (Left Soft Key) or Menu > Reply All.



2. Enter a message in the message area.
3. Click Send.

## Forward a message

1. Enter a message in the message area.
2. Enter a message in the message area.
3. Choose a recipient to send the message to.
4. Click Send.



## Delete a message

1. On the Home screen, Click Start > Messaging > Text Messaging.
2. Select the message to delete.
3. Click Delete.

## MULTIMEDIA MESSAGES

Multimedia Messaging Service (MMS) is a way of sending messages that include pictures, sound and text. You can send MMS messages to other mobile telephones or to email addresses.

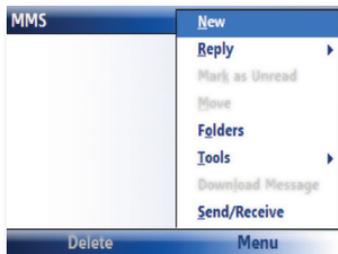


MMS is subject to your mobile operator supporting the service, and your mobile subscription being enabled for the service.

An MMS can be made of many pages, also known as 'slides.' Each slide can hold an image, a sound and text, but you do not need to set all of these for each message. The maximum amount of content that can be sent in a message is set by your service provider.

### Creating and sending MMS

1. Click Start > Messaging > MMS.
2. On the MMS main screen, press 'New' to create a new MMS. You will be presented with the screen below.



3. Add a recipient by entering a phone number into the 'To' field, or you may select a contact from your contact list. To choose a contact select Menu > Add Recipient. The MMS composer is able to deliver the message to more than one user, just place a semi-colon ';' between recipients.
4. Click on the respective area on screen to insert pictures/video/text/audio clips. Click send. This will first convert your device to GPRS, then send your message.



### Adding a Picture or Video

To add an image to the message, highlight the 'Insert Picture/Video...' area and press OK. You will be presented with the preview pictures and videos of all the pictures in the current folder. You may select one of these pictures, or you can choose Menu > Capture Picture... or Menu > Capture Video... to launch the camera or video camera application. Press Back to add to the MMS.



---

If you add a video to the message, then you cannot add any further audio to this slide.

---

### Adding text to the message

Click on the 'Insert Text...' area and enter the message you wish to send. Selecting a message background color and slide duration You may set the duration of the message on screen (measured in seconds) by choosing Menu > Slides > Organise.

The background color of the message may be set by choosing Menu > Background. A list of colors will be displayed for you to choose from.



---

To cancel the message click Menu > Cancel Message.

---

### Receiving MMS messages

The device will alert you when a new MMS arrives. Depending on your settings,

the MMS contents may download a few moments later and will be ready to view in your MMS Inbox.

The MMS inbox works in an identical way to email and text message Inbox.

## Setting up the MMS account

If your device has not been preconfigured, then you will need to manually enter the details of the MMS. This is a two-stage process: In stage one you will set up the data connection, and in the second stage you will define the address of the MMS server on the internet.

## Setting up a data connection

First you will need to set up a data connection. You should refer to the 'Getting Connected' section of this manual for more information. You will need the name of the MMS APN and any associated username or password. When you set up the 'Connects to' description, we suggest you set this to 'Secure WAP Network' so as to avoid conflicts with other applications.

## Defining the server

From the Home Screen, go to Start > Messaging . Highlight the MMS entry, and press Menu > Settings to first select your Preferences.

Click Menu > MMSC Settings and Menu > New to enter server details:

- **In the Name Field, enter a name for the server details (for example, "My MMSC").**
- **MMSC URL:** Enter the address of the server, as supplied by your mobile service provider.
- **WAP gateway:** Enter the WAP gateway to be used for this connection, as supplied by your mobile serve provider.
- **Port:** enter the port number provided to you.
- **Connect Via:** You should point the MMS server towards the correct connection point. If you set the MMS up through 'Secure WAP network', then this is what you should also select here.
- **Max sending size:** You will be advised by your service provider for this value.
- **Press Done** when you have entered all these details.

On the screen shown next, select your MMS entry by name and choose Menu > Save as Default. A tick will appear next to its name. Press Done to return to the Home Screen.

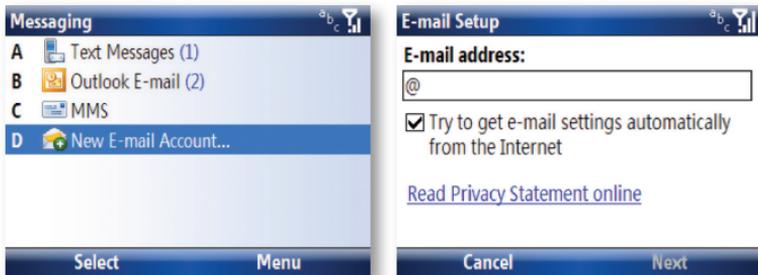
## E-MAIL

Before you can send or receive emails, you will need to configure your device to access your email account. There are different types of email accounts supported by the phone.

- Internet e-mail account (POP3/IMAP4).
- Exchange Server (Outlook).

### Set up an Internet e-mail account automatically

1. On the Home screen, Click Start > Messaging.
2. Select New E-mail Account.



On the next screen choose the option Your email provider: Either (POP3/IMAP4)

In Your name, enter your display name for e-mail messages.

In E-mail address, enter the e-mail address for this account.

Select Attempt to obtain e-mail settings from the Internet and click Next.



If the account is set up successfully, you will be prompted to send and receive e-mail. If not, you must click Next and set up the account manually which is described in the following pages.

## Setup an Internet e-mail account manually

If the automatic E-mail setup cannot find the necessary settings, you will have to configure manually for this and you will need the following information.

Setting	Description
User name	Usually the first part of your e-mail address, which appears before the at sign (@).
Password	Choose a strong password. You will have the option to save your password so that you do not need to enter it each time you connect to your e-mail server.
Domain	This may or may not be required by your Internet Service Provider.
Server Type	The type of e-mail server that hosts your mailbox (POP3 or IMAP4).
Account name	A name for this account. You must use a different name for each account that you setup.
Network	The type of network your e-mail server connects to.
Incoming mail server	The name of your e-mail server (POP3 or IMAP4).
Require SSL connection	Select this to ensure you always receive e-mail for this account using an SSL connection. This enables you to receive personal information more securely. Please note that if you select this and your ISP does not support an SSL connection, you will not be able to connect to receive e-mail.
Outgoing mail server	The name of your outgoing e-mail server (SMTP).
Outgoing server requires authentication	Your outgoing e-mail server (SMTP) may require authentication. Note: Your user name and password from above will be used.
Outgoing server settings	Your outgoing e-mail server may require different authentication settings than your incoming e-mail server.
Use different user name for outgoing server	A checkbox that lets you enter separate settings for your outgoing e-mail server.
User name	Your user name for the outgoing e-mail server.
Password	Your password for the outgoing e-mail server.
Domain	The domain name of the outgoing e-mail server.
Require SSL connection (Outgoingmail server only)	A connection that enables you to send personal information more securely. Note that if you select this and your ISP does not support an SSL connection, you will not be able to send e-mail.

## Caution

If you save your password and then lose your phone, someone finding your phone might be able to gain access to your e-mail.

## Setting up an Outlook e-mail account

An Outlook e-mail account is held on a Microsoft Exchange Server.

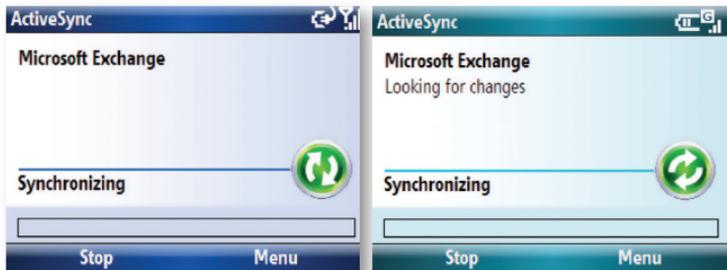
If your E-mail account is set up to be accessible over the Internet, then you can set up your device to connect directly to your GPRS or through your PC:

1. Click Start > ActiveSync.
2. Select Set up your device to sync with it.
3. Enter Server, User name, Password and Domain.
4. Select which information you wish to synchronise. Select Menu > Settings for further options for each field.
5. Click Finish. The device will then connect via GPRS to the Internet and attempt to synchronise your information.



If you wish to synchronise large amounts of data, this may alternatively be performed by connecting to the internet through your PC, rather than over GPRS.





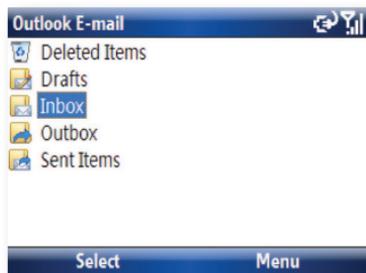
If your Server is Exchange 2007 or above, you can set <Out of Office> from your device.

If your Exchange Server is qualified to install the feature called MSFP – Microsoft Messaging and Security Feature Pack, you will receive the prompt shown below.



Exchange Server 2003 with SP2 has the ability to push new e-mails as they arrive to the Outlook client in the phone, and enforce security settings as well as performing a remote device wipe of all data.

Once ActiveSync completes successfully, click Start > Messaging > Outlook Email > Menu > Folders and you should see e-mail folders similar to the Outlook client in a PC.



## View the Inbox message list

On the Home screen, click Start > Messaging, and select an account. The Inbox message list displays your received messages.

## Create an e-mail message

1. On the Home screen, click Start > Messaging.
2. Select an e-mail account.
3. Click Menu > New.
4. In To, Cc, and/or Bcc, enter recipient's e-mail address. Insert a semicolon (;) between multiple addresses.
5. In Subj, enter a subject.
6. Enter a message.
7. Click Send. E-mail messages are stored in the Outbox and are sent to recipients the next time you synchronise or connect to your e-mail server.



To set the priority of the mail (i.e. to appear as a Low, Normal or High priority in the recipient's inbox), click Menu > Message Options.

To cancel a message, click Menu > Cancel Message.

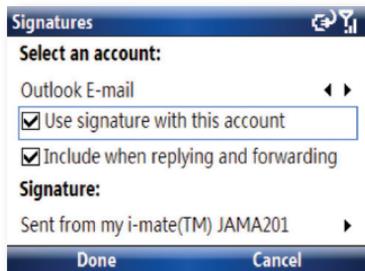
## Insert predefined text into message

- When the message screen appears, click Menu > My Text to add or edit your predefined text.

## Create and add a signature to message

For each account in Messaging, you can specify a signature to be automatically inserted into messages that you send. This is preset to "Sent from my i-mate."

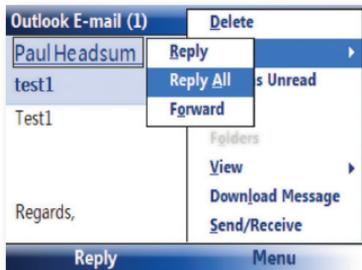
1. On the Home screen, click Start > Messaging and select an account.
2. Click Menu > Tools > Options > Signatures.
3. Scroll down to edit your desired signature.



## Reply to a message

1. From an open message, click either the softkey Reply or Menu > Reply All.
2. Enter a message in the message area.
3. Click Send.

If you are replying to an e-mail in the Outlook E-mail account, you will send less data if you do not edit the original message. This may reduce data transfer costs based on your GPRS data plan.



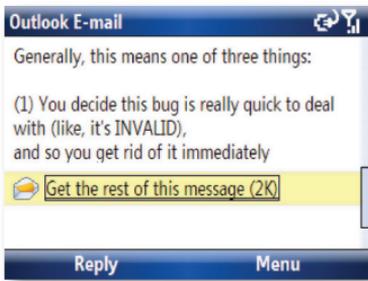
### Send and receive Internet e-mail messages

1. On the Home screen, click Start > Messaging.
2. Select the Internet e-mail account for which you want to send and receive messages.
3. Click Menu > Send/Receive. The phone connects to your Internet e-mail server and sends and receives your messages.

### Download a complete e-mail message

1. On the Home screen, click Start > Messaging and select an account.
2. Select the message to download.
3. Click Menu > Download Message. The complete message is retrieved the next time you synchronise or connect to your e-mail server to send and receive e-mail.

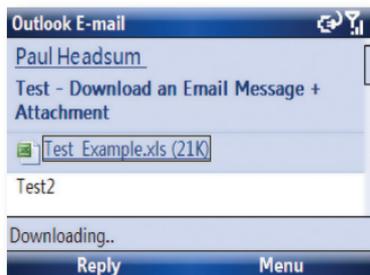
Alternatively scroll to the end of the message and select “Get the rest of this message”, then click Menu > Send/Receive.



## Download an attachment

In an open message with an attachment to download, click the attachment. The attachment is downloaded the next time you synchronise or connect to your e-mail server and send and receive e-mail.

After you scroll down to the filename shown, click again and the attachment file will be downloaded when your phone connects to your server to send/receive mails again. The screen will appear as shown below.



When the file has been downloaded into your phone, the screen will appear as shown. Select the attachment to either open or Menu > Save As, to save to device memory.



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You can view attachments only for file types that are supported by the phone.

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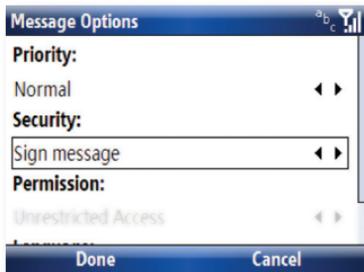
## Add a picture to an e-mail message

1. In the message area of an e-mail message, click Menu > Insert > Picture.
2. Click the picture you want to add.

## Digitally sign a message

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

1. In the Message list, click Menu > Tools > Switch Accounts > Outlook E-mail. or just scroll left/right.
2. Click Menu > New.
3. Click Menu > Message Options.



4. Select Sign message and click Done.

#### **Change between e-mail folders and accounts**

1. Click Start > Messaging > Outlook E-mail.
2. Click Folders.
3. You can select the new folder you wish to view.



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**NOTE:** S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you are not using one of these products, or have not yet synchronised, these options are unavailable.

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## Security

Windows Mobile 6 offers added security for your device and e-mails.

### Set permissions on an e-mail message

Protect your e-mail messages by restricting permissions using Information Rights Management (IRM).

Requirement (This works only if your company is using RMS Server SP1.)

1. Click **Start > Messaging > Outlook E-mail**.
2. Create a message, then click **Menu > Message Options**.
3. In **Permissions**, do one of the following:
  - To allow anyone to read the message, select **Unrestricted access**.
  - To prevent the message from being forwarded, printed, or copied, select **Do not forward**.
4. Click **OK**.



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

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### Remotely manage your device

Manage your device remotely by using Microsoft Office Outlook Web Access.

Outlook Web Access comes with various features that let you remotely manage your device. Use the Remote Wipe feature to delete the contents of your device when you lose your device or it gets stolen. This prevents people from accessing sensitive information in your device.



Your company must be using Microsoft Exchange Server 2007 or higher. Consult your network administrator regarding this feature.

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## WINDOWS LIVE MESSENGER

Windows Live Messenger (formerly Pocket MSN) provides almost instant access to your MSN Hotmail inbox, and allows you to send Instant Messages (IM) to your colleagues, over GPRS and the Internet. You can also send and receive short voice clips.

At the time of writing this service is free of charge.

With Live Messenger you get:

- **Live Hotmail.** Read, write, and send e-mail, or manage your Hotmail folders.
- **Ability to receive Push mail** (always up to date) from your Hotmail e-mail account.
- **Live Messenger.** See who's online. Send and receive instant messages. Subscribe to status updates for selected contacts so you're notified when they're online.



You need to have either a Microsoft .NET Passport (from [www.passport.com](http://www.passport.com)) or a Hotmail account ([www.hotmail.com](http://www.hotmail.com)) to use Live Messenger.

- Your phone needs to be connected to the Internet.
- While signed in to Messenger your device will use GPRS data, keeping your IM contacts list up to date.

### Sign in to Live Messenger.

The sign-in process helps to maintain secure access to your Live Hotmail and Live Messenger accounts. You will be offered to synchronise your Hotmail E-mails and contacts during the first sign-in. We therefore recommend you do this connected to the Internet through your PC.

1. On the Home Screen, click Start > Messenger.
2. Enter your E-mail address and password. Click Save password to have Pocket MSN automatically sign you in.
3. Click Next.
4. Enter your preferences through the menu system.
5. On completion, Live Messenger will synchronise.
6. You will see the Windows Live Services menu on your Home Screen. This provides a shortcut to the services by selecting and scrolling left/right.

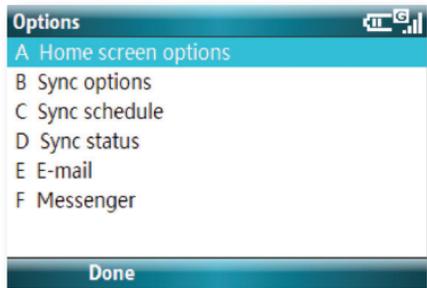


This could be a security risk if your mobile device is lost or stolen, others may gain access to MSN Messenger and Hotmail. If your mobile device is lost or stolen, go to a computer and change your Microsoft Passport credentials by logging into [www.passport.com](http://www.passport.com).

## Live options

You may change the Windows Live Mail synchronisation schedule, including enabling Push Mail from the Live options page. You can also customise the Home Screen and Messenger.

1. Click Start > Messenger.
2. Press Menu > Windows Live to open up the full menu.
3. Press Menu > Options.



### **View your Hotmail Inbox**

1. Click Start > Messaging, and select Windows Live.
2. To synchronise your Hotmail inbox so you see your latest e-mail messages, Click Menu > Send/Receive mail.

### **Write and send Live e-mail**

1. Click Menu > New.
2. In the To: field, enter an e-mail address.
3. In Subject field, enter the subject of the e-mail.
4. Enter a message in the body of the e-mail, and then Click Send.

### **Reply to an e-mail message**

1. Select a message in your Live mail inbox.
2. Click Reply or if you wish to include replying to recipients in the CC field also, click Menu > Reply All.
3. Enter the text of your reply, and then Click Send.

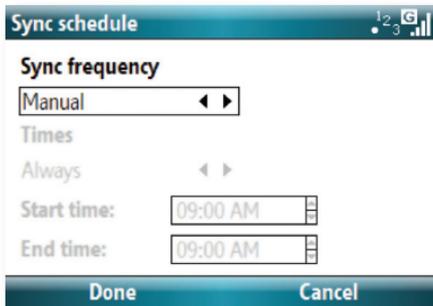
To write or reply to an e-mail while offline, follow the steps above. Then, when you have an open data connection, Click Menu > Send/receive mail.

### **Keep your Live Mail Inbox always up-to-date**

You can set your Live mail inbox to automatically update with new e-mail whenever you have an open data connection.

1. Click Start > Messaging.
2. Select Windows Live.
3. Select Menu > Tools > Options.
4. Select Account Settings > sync schedule.
5. Click download new e-mail automatically, the click Done.

Note that keeping your inbox set as "As items Arrive" will insert additional GPRS data.



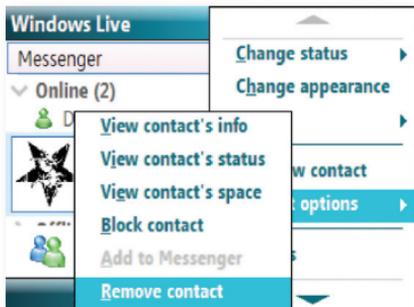
### Add an e-mail attachment

1. On the Live inbox screen, Click New located at the bottom of the screen.
2. In the To: field, enter an e-mail address.
3. In Subject, enter the subject of the e-mail.
4. Click Menu > Insert > File, to select a file.
5. Enter a message in the body of the e-mail, and then Click Send.

### Add and delete Contacts

After you have signed into Messenger, you will be able to perform the functions below.

- To add a contact, Click Menu > Add new Contact, and then follow the directions on the screen.
- To delete a contact, select the contact, Click Menu > Contact options > Remove contact. Click Yes to permanently delete the contact.



### Manage Contacts

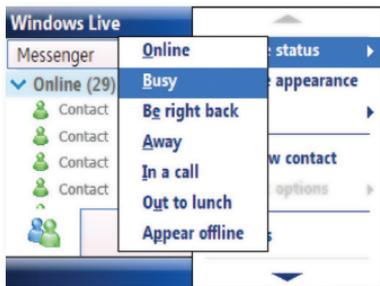
- To block a contact from viewing your status and sending you messages, select the contact, and Click Menu > Contact Options > Block contact..
- To unblock a contact, select the blocked contact from the list, and Click Menu > Unblock.

### Change your display name

1. In Messenger, Click Menu > Options.
2. In My display name, enter the name that you want to display to others in MSN Messenger, then Click Done.

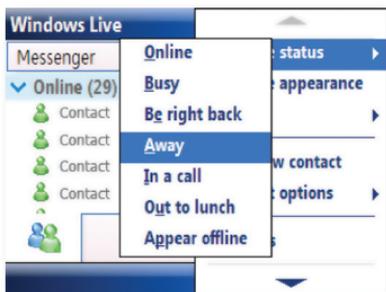
### Check your own Messenger Status

- Select Menu > Change Status, and select from online, busy, etc. Select Menu > Change Appearance to change your photo and display name.



## New Message

- From the Home screen, you will be notified of a new IM. Scroll down to select Messenger, or click Start > Messenger. Scroll left or right through to your new IM Messenger.



## Send a message

1. Go to Start > Messenger.
2. Select the contact you want to send a message to.
3. Click Send IM.
4. Enter your message in the text entry area at the bottom of the screen and press Return.
5. To send an Emotion, click Menu > Add emotion.
6. Send a short voice clip by pressing voice clip, and speaking into the microphone. When finished, click Send. You can replay the message by scrolling up and selecting play. To end a conversation, click Menu > End conversation.

## Signing Out

1. Scroll down to Messenger on the Home Screen, or press Start > Messenger.
2. Click Menu > Sign out.

Signing in to an account may take several minutes, depending on your connection speed and how busy your mobile network is.

- To sign out, click Menu > Sign out.



Introduction to ActiveSync and the  
Windows Mobile Device Center

Install and setup the  
Synchronisation program

## Synchronising **Chapter 6**

## INTRODUCTION TO ACTIVESYNC AND WINDOWS MOBILE DEVICE CENTER

Your device contains ActiveSync software that allows you to create a synchronisation relationship between your mobile device and your PC. This means that when your device is connected to your PC, on which you also have synchronisation software installed, data is shared between your device and PC according to your preferences. If you make a change in one place, the next time you connect your PC and device together, the change is automatically made to the corresponding information on the other machine. You may connect to your PC using a cable, or using a Bluetooth connection.

ActiveSync acts as the gateway between your Microsoft Windows powered PC and Windows Mobile powered device and allows you to synchronise Microsoft Outlook information, Microsoft Office documents, pictures, music, videos and applications to and from your device.

In addition to synchronising with a desktop PC, ActiveSync allows you to synchronise Microsoft Outlook information directly with Microsoft Exchange Server 2003 and Microsoft Exchange Server 2007, so that you can keep your e-mail, calendar data, tasks and contact information updated wirelessly when you're away from your desktop or tablet PC.

ActiveSync 4.5 also includes a troubleshooter utility that scans your computer and device to identify problems and offers information and corrective actions to solve them.



That upon connecting the device, Windows Vista users will be prompted to download Windows Mobile Device Centre software and do not require ActiveSync on their PC.

---

## INSTALL AND SETUP THE SYNCHRONISATION PROGRAM

If your PC is running Windows Vista, your synchronisation settings will be managed through the Windows Mobile Device Center. If your PC is running Windows XP or earlier synchronisation will be managed by ActiveSync.

### ActiveSync

You can either install the application from your Windows Mobile Getting Started CD or by downloading from: <http://www.microsoft.com/windowsmobile/activesync>. Follow the on-screen instructions.

### Windows Mobile Device Center

If the Windows Mobile Device Center was not pre-installed on your Windows Vista PC, you can download the software from: <http://www.microsoft.com/windowsmobile/devicecenter.mspx>. Follow the on-screen instructions.

When starting Windows Mobile Device Center for the first time, you are prompted to create a Windows Mobile partnership with your Windows Mobile powered device. When you set up this partnership, your selected synchronisation and file conversion settings are saved, and Device Center will then recognize your device when you connect and use the proper settings. Only devices that have a Windows Mobile partnership with a PC can synchronise information with that PC.

Your PC can set up Windows Mobile partnerships with many different Windows Mobile powered devices, but a device can have synchronisation relationships with at most two PCs. For example, you can keep the same contact information on your PC at work, your PC at home, and your device. No matter where you are viewing information, you will have the information you want at your fingertips. However, you can synchronise e-mail messages between your device and only one PC.



If the two computers with which you want to set up synchronisation relationships are both connected to Exchange Server, you can set up a synchronisation relationship with only one of those computers.

---



Once the software has been installed on your PC and the USB cable is connected between your PC and the phone, the PC will detect the attachment of the mobile device. ActiveSync will attempt to make a connection to the device automatically. Once the connection is made, the Pocket PC Sync Setup Wizard will start.

## Desktop Firewall Applications

Firewall applications are designed to block network traffic and secure the desktop PC from incoming network connections. Since ActiveSync utilizes TCP ports for data transfer with Windows Mobile powered devices, you may need to explicitly allow this traffic to be unblocked by certain Firewall applications. To do so, you must add ActiveSync application processes into the Firewall programs exception list. Please refer to the documentation provided with your specific firewall.

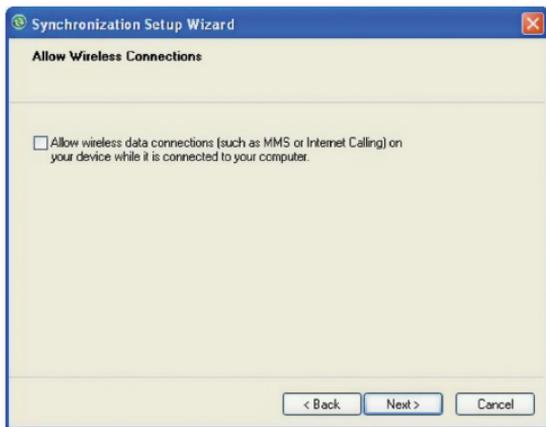
## Set up your device to synchronise with a Microsoft Exchange server

This applies only to users with access to an Exchange server. To perform the setup for synchronisation with Microsoft Exchange, you will need to get the name of the Exchange server and the server domain name from your service provider or system administrator. You must also know your Exchange user name and password.



Before changing synchronisation settings on your device, disconnect it from your PC.

If you only intend to synchronise directly with your Microsoft Exchange Server and not your PC, select the option below. The alternative is to sync your phone with your PC. Note that you cannot do both at the same time while connected to your PC. The next few steps are self-explanatory to follow through from the screen information. Please select the appropriate options required.



If you have a PC which is already fully synchronised with your Exchange Server, then synchronise your device to your PC the very first time instead of synchronising to the Exchange Server. This will allow faster synchronisation.

To synchronise direct through to your Exchange Server instead of your PC, click the box above and enter the Exchange Server details as shown below:



The screenshot shows a dialog box titled "Microsoft Exchange Settings" with a close button in the top right corner. The dialog contains the following elements:

- An icon of a smartphone and a server tower.
- Text: "Configure your Smartphone to synchronize directly with Microsoft Exchange. To remove this server, click Delete Server button below."
- A "Server Address:" label followed by a text input field containing "Exchange.Server.Address".
- A checked checkbox with the text: "This server requires an encrypted (SSL) connection".
- A section header "Logon Credentials" in blue.
- A "User name:" label followed by a text input field containing "Your.Name".
- A "Password:" label followed by a text input field filled with black dots.
- A "Domain:" label followed by a text input field containing "YourDomainName".
- A checked checkbox with the text: "Save password (required for automatic synchronization)".
- An "If there is a conflict:" label followed by a dropdown menu showing "Replace Item on Device".
- Three buttons at the bottom: "Delete Server", "OK", and "Cancel".

Ensure that your PC has a connection which is accessible to the Server as the setup will check the connection and that your User name and Password settings are also valid.



You can view additional settings information by selecting an item and clicking Settings below. For example, you may choose to synchronise details of your Calendar for the past two weeks only.

After you click Finish, you should get a screen prompt as on the next page. This needs to be selected as appropriate to your own requirements depending on the state of your PC.

The time required for synchronisation depends on how much data is to be transferred.



## Change ActiveSync settings

After setting up synchronisation using the Sync Setup wizard on the PC, the synchronisation settings can subsequently be changed:

- If you want to change ActiveSync settings when synchronising with your PC, use the “Changing the amount of information synchronised” section in the Help files on your PC.
- If you want to change ActiveSync settings for synchronising through to your Exchange Server, use the ActiveSync settings on your device, as described in Change settings for an information type.

## Change settings for an information type

Before changing synchronisation settings on the device, first disconnect it from your PC.

1. On the phone's Today screen, click Start > ActiveSync > Menu > Options.
2. Select one of the information types.
  - To view or change settings for an information type (when available), click Settings.
  - To view or change settings for a computer or Exchange Server, click Menu > Settings.
3. Change the amount of information to be synchronised or other settings.
4. Click Done (or Finish in the Exchange Server settings wizard).

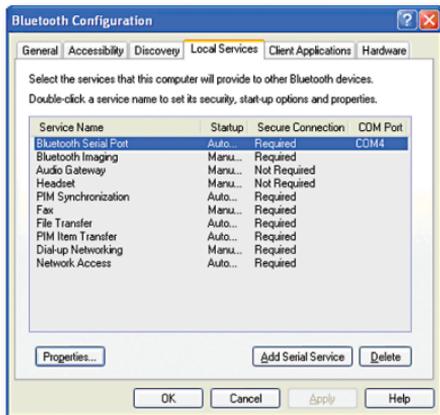
## Connecting to a PC using Bluetooth

1. Follow the instructions in ActiveSync Help on the PC for configuring Bluetooth on your PC to support ActiveSync. Make sure that your PC's Bluetooth is set to Visible (also known as 'Discoverable'), and that ActiveSync on the PC has the Bluetooth COM port enabled - see below.
2. From the device's Today screen, click Start > ActiveSync.
3. Click Menu > Connect via Bluetooth. Ensure that the phone and PC are within close range.
4. If this is the first time you have connected to this PC via Bluetooth, you must complete the Bluetooth wizard on the phone and setup a Bluetooth partnership with the PC before synchronising.
5. Click Sync.
6. When finished, click Menu > Disconnect Bluetooth.
7. To preserve battery power, turn off Bluetooth.

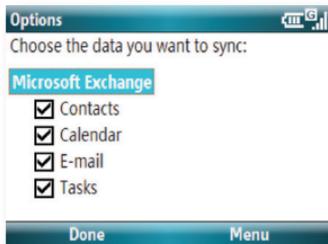
Ensure that the PC ActiveSync Serial port corresponds to the PC's Bluetooth Serial port configuration. In the example below, the Bluetooth Serial Port has already been set up as COM4 by the computer. Because COM4 is allocated to Bluetooth, the 'Allow connections to one of the following' has been set to 'COM4' to match this.



In the sample screenshot below, the PC Bluetooth Manager indicates the Bluetooth Serial Port is set to COM4.



If, for example, you wish to sync your phone to Exchange Server for e-mail and Tasks, and to your PC for Contacts and Calendar, from your phone, click Start > ActiveSync > Menu > Options and select from the list as shown.



Before connecting your device to your PC, you may first need to check your ActiveSync Connection settings by double clicking on the ActiveSync icons at the bottom right of your PC screen.



When complete, connect your device and synchronisation should take place as below.



## Setting up an Exchange Server connection

You can synchronise your e-mail, Calendar Appointment and Contacts directly with your Exchange server. Tasks may also be synchronised if your company is running Exchange Server 2003 with Service Pack 2.

To complete this configuration, you will need to get the name of the server and the server domain name from your service provider or system administrator. You must also know your Exchange user name and password.



Before changing synchronisation settings on the phone, disconnect it from your PC. You can also refer to some of the screenshots in the previous section of Install and setup ActiveSync (with Exchange Server).

---

1. On the phone's Today Screen, click Start > ActiveSync> Menu > Configure Server. If you have not yet setup ActiveSync with Exchange Server, it will say Add Server Source.
2. In Server address, enter the name of the server running Exchange Server, and click Next.
3. Enter your user name, password, and domain name, and click Next. If you want the phone to save your password so that you will not need to enter it again when connecting, select the Save password checkbox.
4. Select the check boxes for the types of information items that you want to synchronise with Exchange Server.
5. To change available synchronisation settings, select the type of information, and click Menu > Settings.
6. To change the rules for resolving synchronisation conflicts, click Menu> Advanced.
7. Click Finish.

### Start and stop synchronisation

1. On the Today screen, click Start > ActiveSync.
2. To start synchronisation, click Sync.
3. To stop synchronising, click Stop.



This menu only shows up during the synchronisation.

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Contacts

Calendar

Tasks

Office Mobile

- Microsoft Word Mobile
- Microsoft Excel Mobile
- Viewing Slide Shows with PowerPoint Mobile

Camera & Video Recorder

Using Pictures & Videos

Windows Media Player

Internet Explorer Mobile

Using Midlet Manager Java

Using Wireless Manager

Internet Sharing

## Applications & Multimedia **Chapter 7**

## CONTACTS

Contacts is your address book and information storage for the people and businesses you communicate with. Store home numbers and addresses, e-mail addresses, and any other information that relates to a contact, such as a birthday or an anniversary date.

From the contact list, you can quickly communicate with people. Click a contact in the list for a summary of contact information. From there, you can call or send a message to that contact.

If you use Outlook on your PC, you can synchronise contacts between your device and PC. If you have synchronised your contacts with an Exchange Server, then your contacts will be updated there too. In the list of contact information, you'll see where you can add a picture or assign a ringtone to a contact. You can use SIM Manager to copy contacts held on your SIM onto your device.

### Create a contact

1. Click Start > Contacts.
2. Click New.
3. Enter contact information. When finished, Click Done.



If someone who is not in your list of contacts calls you or sends you a message, you can create a contact from Call History, or from the message by Clicking Menu > Save to Contacts.

## Change contact information

1. Click Start > Contacts.
2. Click the contact.
3. Click Menu > Edit and enter the changes.
4. When finished, Click Done.

## Work with the contact list

There are several ways to use and customise the contact list. Here are a few tips:

1. Click Start > Contacts.
2. In the contact list, do any of the following:
  - In Name view, you can search for a contact by entering the first letters of the name, or by using the alphabetical index. To switch to Name view, click Menu > View By > Name.
  - To see a list of available actions for a contact, click the contact.
  - To see a list of contacts employed by a specific company, Click Menu > View By > Company. Then, Click the company name.

## To find a contact

There are several ways to find a contact.

1. Click Start > Contacts.
2. If you are not in Name view, Click Menu > View By > Name.
3. Do one of the following:
  - Begin entering a name until the contact you want is displayed.
  - Filter the list by categories. In the contact list, Click Menu > Filter. Then Click a category you have assigned to a contact. To show all contacts again, select All Contacts.

## CALENDAR

Use Calendar to schedule appointments, including meetings and other events. Your appointments for the day can be displayed on the Today screen. If you use Microsoft Outlook on your PC, you can synchronise appointments between your device and PC. If you synchronise your calendar over your cellular connection to your e-mail account, then this will also be kept up to date.

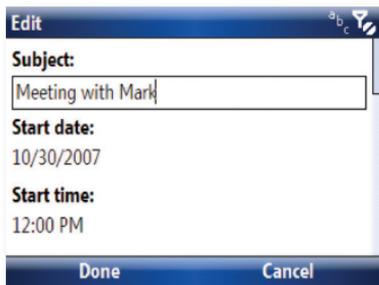
You can also set Calendar to remind you of appointments with a sound or flashing light, for example. You can look at your appointments in several different views (Day, Week, Month, Year, and Agenda).



To see detailed appointment information in any view, select the appointment and press OK.

## To schedule an appointment

1. Click Start > Calendar.
2. Click Menu > New Appointment.
3. Enter a name for the appointment, and enter information such as start and end times.
4. To schedule an all-day event, tick the box next to All Day Event.
5. When finished, press Done to return to the calendar.



All-day events do not occupy blocks of time in Calendar; instead, they appear in banners at the top of the calendar. To cancel an appointment, Click the appointment and Click Menu > Delete Appointment. To have the time entered automatically in Day view, Click the time slot for the new appointment, and Click Menu > New Appointment.

## To send a meeting request

Use Calendar to schedule meetings via e-mail with contacts who use Microsoft Outlook or Outlook Mobile.

1. Click Start > Calendar.
2. Schedule a new appointment, or open an existing one and Click Edit.
3. Select Attendees.
4. Select the name of the contact you want to invite.
5. To invite each additional attendee, press Add and select the name.
6. Click Done.
7. The meeting request will be sent to the attendees the next time you synchronise your device with your PC.



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When attendees accept your meeting request, the meeting is automatically added to their schedules. When their response is sent back to you, your calendar is updated as well.

---

## To set a default reminder for all new appointments

You can have a reminder automatically turned on for all new appointments you schedule.

1. Click **Start > Calendar**.
2. Click **Menu > Tools > Options**.
3. Select the **Set reminders**.
4. Set the time when you want the reminder to alert you.
5. Click **Done** to return to the calendar.

## Managing Meeting Requests

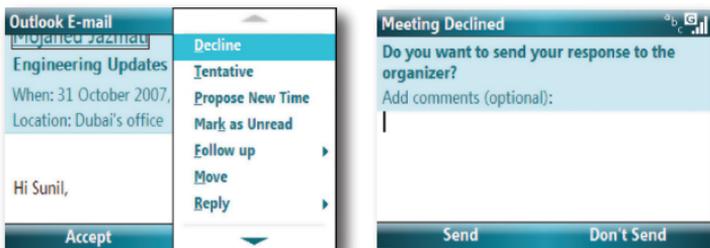
When you schedule and send meeting requests from your device, and invite attendees from your Company Directory to your meeting.

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.

Requirement (Your company must be using Microsoft Exchange Server 2007).

### To reply to a meeting request

1. When you receive a meeting request e-mail, a notification message will be displayed on your device. Click **View** to open the e-mail.
2. Click **Accept** to reply and accept the meeting request, or **Click Menu >Decline** if you cannot attend the meeting.
3. Choose whether or not to edit your response e-mail before sending then click **OK**:



4. If you accepted the meeting request, it will automatically be added as an appointment in Calendar on your device.



Before responding, you can check your availability during the time of the requested meeting by Clicking View your calendar.

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. Click Start > Calendar.
2. Select a meeting request that you previously sent, then Click Attendees. The list of required and optional attendees will be listed.



For information about creating a meeting request, see "To send a meeting request" in the user manual.

If you select a meeting that you have organized, the list shows who has accepted or declined the meeting.

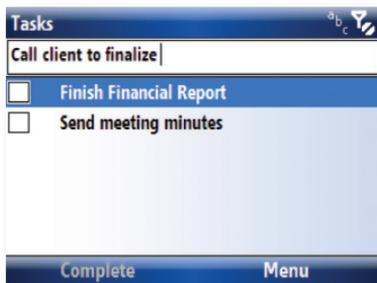
To view an attendee's contact information, Click the attendee's name. If the attendee is included in your contacts list, you will see the contact information immediately. If the attendee is not in your contacts list, Click Company Directory to view the contact information.

## TASKS

Use Tasks to keep track of things you need to do. A task can occur once or repeatedly (recurring). You can set reminders for your tasks and you can organise them using categories. Your tasks are displayed in a task list. Overdue tasks are displayed in red.

### To create a task

1. Click Start > Tasks.
2. Select Menu > New Task to enter a subject for the task, and fill in information such as start and due dates, priority, and so on.
3. When finished, press Done.



You can easily create a short to-do-type task. Simply enter text in the Enter new task here box, and press OK.

### Change the priority of a task

Before you can sort tasks by priority, you need to specify a priority level for each task.

1. Click Start > Tasks.
2. Select the task you want to change the priority for.
3. Press Edit and in the Priority box, Click a priority level.

4. Click Done to return to the task list.



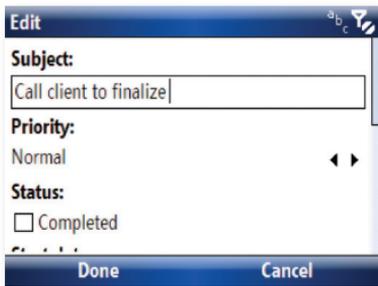
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All new tasks are assigned a Normal priority by default.

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You can have a reminder automatically turned on for all new tasks you create.

1. Click Start > Tasks.
2. Select Menu > Options.
3. Select the Set reminders for new items check box.
4. Select Done to return to the task list.



---

The new tasks must have due dates set in order for the reminder to take effect.

---

### Show start and due dates in the task list

1. Click Start > Tasks.
2. Click Menu > Options.
3. Select the Show start and due dates check box.
4. Select Done.

## Locate a task

When your list of tasks is long, you can display a subset of the tasks or sort the list to quickly find a specific task.

### 1. Click Start > Tasks.



---

To filter your tasks further, Click Menu > Filter > Active Tasks or Completed Tasks.

---

## OFFICE MOBILE

### Microsoft Word Mobile

Microsoft Word Mobile is a pocket version of Microsoft Word Mobile. Word documents created on your PC in \*.doc, \*.docx, \*.dot, \*.dotx, \*.txt and \*.rtf can be opened and edited on your device. You can also create documents from in-build templates.

You can have only one document open at a time. When you open a second document, the first one is saved and closed automatically.

When you close a newly created document, it is automatically named after the first several words in the document and placed in the Word Mobile document list. You can easily rename the document with a more meaningful name and move it to another folder or a storage card.

#### To create a file

1. Click **START > Office Mobile > Word Mobile**.
2. Go to **Templates > Blank Document**.
3. Click **Menu > Edit**, to enter the desired text.
4. When finished, select **Menu > Save As** to save the file.



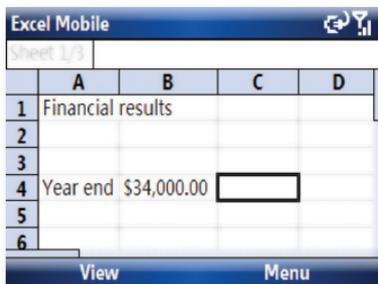
## Microsoft Excel Mobile

Microsoft Excel Mobile makes it easy for you to open and edit Excel workbooks and templates created on your PC. After editing on your device, you can transfer them back to your PC by ActiveSync or e-mail.

### To Run Microsoft Excel Mobile

- Click **START > Office Mobile > Excel Mobile**.

The program operates much as the desktop PC version, allowing entry of numbers, formulae, text, sorting and autofiltering.



### To create a new Workbook

- Go to **Templates > Blank Document**.
- Click **Menu (Right Soft key) > Edit**, to enter the desired text.
- Scroll to the cell you wish to enter text or numbers, and click the **OK** button to enter.
- When finished, select **Menu > Save as** to save the file.

### To send via a messaging account

You may send the file via e-mail or MMS to another user.

1. Click **MENU > File > Send...**
2. Choose the account from which you wish to send the file (e.g. Outlook, Hotmail, MMS, etc).
3. Type in the recipient address into the e-mail. The file is already attached.
4. Press **Send**.



---

Work in full-screen mode to see as much of your workbook as possible. Click View > Zoom and select a percentage so that you can easily read the worksheet.

---

## Viewing Slide Shows with PowerPoint Mobile

With PowerPoint Mobile, you can open and view slide show presentations created on your PC in \*.ppt \*.pps and \*.pptx. format with PowerPoint '97 and later. Many presentation elements built into the slide shows such as slide transitions and animations will play back on the device. If the presentation is set up as a timed slide show, one slide will advance to the next automatically. Links to URLs are also supported. PowerPoint features not supported on the device include:

- **Notes.** Notes written for slides will not be visible.
- Rearranging or editing slides is not possible. PowerPoint Mobile is a viewer only.
- **File formats.** Files created in \*.ppt format earlier than PowerPoint 97 and HTML files in \*.htm and \*.mht formats are not supported.

### To start a slide show presentation

1. Click **START > Office Mobile > PowerPoint Mobile.**
2. In the presentation list, Click the slide show you want to view.
3. Click the current slide to advance to the next slide.

If the presentation is set up as a timed slide show, slides will advance automatically.

### Stop a slide show

- In a PowerPoint Mobile presentation, Click **End Show.**

## Navigate between slides

You can advance to the next slide if a presentation is not set up as a timed slide show, return to the previous slide, or go to any slide out of sequence.

1. Click **START > Office Mobile > PowerPoint Mobile**.
2. Open the presentation you want to view.
3. Click **> Next** or **Previous**, or Click **Go to Slide** and Click the the slide you want to view.



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Simply Click the current slide to go to the next one.

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If you have zoomed in to see a slide in more detail, you cannot navigate to another slide until you zoom out. Clicking **Next** or **Previous** may play an animation on a slide rather than navigate to another slide.

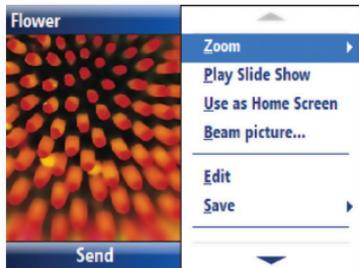
## CAMERA AND VIDEO RECORDER

Your phone is equipped with a digital camera which can be used to capture photos and video clips.

### Capturing a photograph

You can launch the camera application in 2 ways:

1. Click **Start > Camera** or;
2. Press the camera button on the side of the device. The camera application will launch.



## Take a picture

Point the camera at the subject and either:

- Press the 'Capture' button (Left soft key).
- Press the camera button on the side of the device.
- Press Menu to bring up the list of options.

Mode: here you can set the camera mode; Choose from:

- Photo – standard still photograph.
- Video – Moving video camera recording.
- Portrait – Capture a picture in a suitable format for a Caller ID picture.
- Burst – Takes a sequence of pictures in a row.
- Photoframe – you can take a picture and place it inside a pre-defined photo frame.

## Zoom

Select different zoom levels, the amount of zoom possible is dependent on the size of the picture being taken. A picture at resolution 1600 x 1200 cannot be zoomed, while a picture at 160 x 120 can be zoomed up to 4 times.

## Environment

Here there are several different settings for the colour correction of the camera to give the best result for the current light. You may also choose to manually set up the correction.

## Settings

You can set the resolution for the size of picture to be captured and the naming convention of the files that are stored.

## Album

This launches the Pictures and Videos application where you can review the images you have captured.

## Exit

Quits the Camera application.

## Capturing a video

Your device can also capture videos which you can play back with Windows Media Player Mobile.

### Start the video recorder

1. Press the camera key on the side of the device and then press **Menu > Mode > Video**.

Press Capture to start recording, and Stop Capture to finish. The total length of video is determined by the amount of free memory in your device.

### Location for Storing Pictures and Videos

All pictures and video files taken with this phone are saved onto the phone's memory. However, you can set the smartphone to save them onto a miniSD card.

#### To do this

1. Ensure that a miniSD card has been inserted into the phone.
2. Press **Menu > Setting > General**.
3. Choose for the Store Position either 'Device' or 'Storage Card.'

### Precautions when using the Camera

Fingerprints or grease sticking to the lens may result in problems such as picture blurring or the obscuring of images. You should wipe the lens clean with a lens tissue.

Try not to shake your phone capturing pictures. When capturing pictures, keep the camera as still as possible. Movement of your device may lead to picture blurring.

Avoid pointing the camera at bright light sources as this will affect the quality of the picture.

Please be considerate of others' privacy when capturing pictures with your phone.

### Pictures And Videos

You can view pictures stored in your phone or memory card using the Pictures and Videos application.

You can also set a picture to be your Home Screen background from here, or you can send an image to another user.

## Use Pictures and Videos

- From the Home Screen go to Start > Pictures and Videos.

For more information about copying files from your PC to your device, see ActiveSync Help on your PC.

## Previewing pictures

On entering the application you will see preview pictures for the items stored in your \My Pictures folder of your Smartphone. You can press the navigation keys to preview previous/next picture in turn on the preview screen.



## Functions in Pictures & Videos

- Press the Menu key to see the options available in the application.
- Send: Send pictures to other recipients by means of MMS or email.



- **Beam:** Transfer pictures to other users using Bluetooth.
- **Save to Contact:** Set a picture as an icon representing a specified contact which is shown within the details of contact.
- **Delete:** Delete pictures.
- **Edit:** Allows you to move and copy picture and video files between folders.
- **Play Slide Show:** View all pictures in the current folder as a slide show.
- **Folders:** You can choose to view pictures stored in other folders on this smartphone.
- **Options:** Configure the Pictures and Videos application.

## Open a picture

Highlight a picture and press View to open the picture.

To Send the image to another user, press Send, and choose the account by which you will send it.

## For other options, press Menu

- **Zoom:** zoom in or out of the picture detail.
- **Play slide show:** View all pictures as a slide show.
- **Use as home screen:** Set the picture as wallpaper for the Home Screen.
- **Beam picture:** Send pictures into other memories by means of Bluetooth.
- **Edit:** Edit pictures.
- **Save:** Associate a picture with a phone contact or rename the image.
- **Properties:** View picture properties like file name, size etc.
- **Options:** Sets the properties of the pictures and videos application.

## WINDOWS MEDIA PLAYER

### Overview of Windows Media Player Mobile

You can use Windows Media Player 10 Mobile to play digital audio and video files that are stored on your phone or on the Web.

By default, Windows Media Player Mobile can play the following types of files:

- Windows Media Audio (WMA).
- Windows Media Video (WMV).
- Motion Picture Experts Group-2 Audio Layer-3 (MP3).

This includes files with the extensions .asf, .wma, .wmv, and .mp3. You can also play back H.263 (.3gp) and .mp4 files.



### Overview of the controls

By default, these hardware buttons are assigned to Windows Media Player Mobile functions.

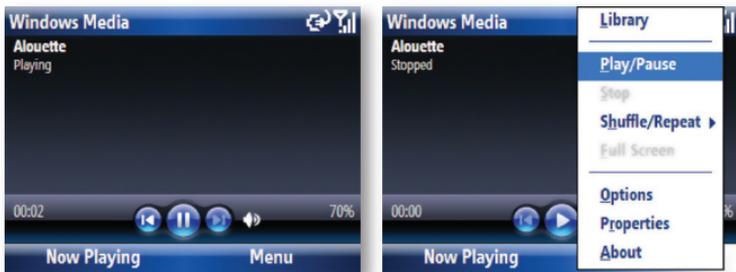
Item	Function
OK	Play or pause a file
NAVIGATION left	Skip to a previous file
NAVIGATION right	Skip to the next file
NAVIGATION up	Increase the volume
NAVIGATION down	Decrease the volume

Item	Function
#	Turn the sound on or off quickly (mute)
0	Switch to full screen during video playback
*	Change rating
NAVIGATION right (hold)	Fast-forward a file
NAVIGATION left (hold)	Rewind a file

## Overview of screens and menus

Windows Media Player Mobile has three primary screens:

**Playback screen.** The screen that displays the playback controls (such as Play, Pause, Next, Previous, and Volume), the star rating of the current file, the album art window, and the video window. You can change the appearance of this screen by choosing a different skin.



### Now Playing screen.

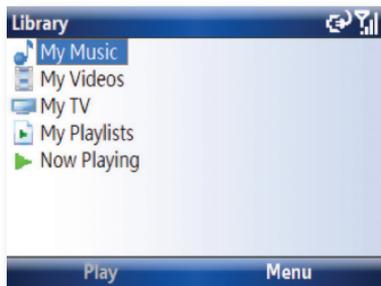
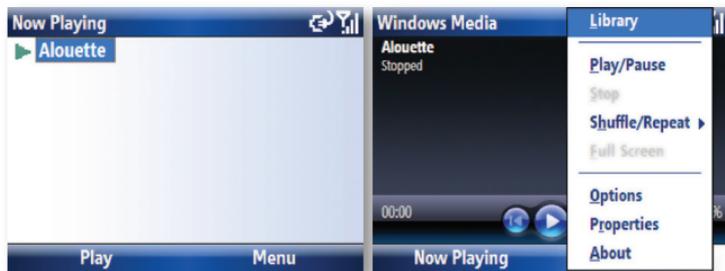
The screen that displays the Now Playing playlist. This special playlist indicates the currently playing file and any files that are queued up to play next.

### Library screen

The screen that lets you quickly find your audio files, video files, and playlists. It contains categories such as My Music, My Video, My TV, and My Playlists. It also includes a link that lets you switch to the Now Playing screen.

At the bottom of each screen is a menu called Menu. The commands on this menu change depending upon which screen you are viewing.

- Overview of the Playback screen commands.
- Overview of the Now Playing screen commands.
- Overview of the Library screen commands.



## Overview of Now Playing screen commands

Item	Function
Library	Displays the Library so you can choose a file to play.
Move Up	Moves the selected item up in the playlist order.
Move Down	Moves the selected item down in the playlist order.
Remove from Playlist	Removes the selected item from the playlist.

Item	Function
Shuffle/Repeat > Shuffle	Plays the items in the Now Playing playlist in a random order.
Shuffle/Repeat > Repeat	Plays the items in the Now Playing playlist repeatedly.
Clear Now Playing	Removes all items from the Now Playing playlist.
Error Details	Displays error information about the selected item (an exclamation mark appears before the item name if error details are available).
Properties	Displays information about the selected file.

## Overview of Library screen commands

When you are viewing the Library screen, these commands appear on Menu.

Item	Function
Queue Up	Adds the selected item to the end of the current (Now Playing) playlist.
Delete from Library	Deletes the selected item from the library.
Now Playing	Displays the Now Playing playlist.
Library > library name	Lets you switch between libraries, such as between My Device and Storage Card.
Update Library	Adds new items to the library by searching your phone or storage card.
Open File	Lets you find and play files that are stored on your phone or storage card but that are not in the library.
Open URL	Lets you play a file on a network, such as the Internet.
Properties	Displays information about the selected file.

## Overview of licenses and protected files

Protected files are digital media files that are secured with a license to prevent unauthorized distribution or playback.

The license specifies how you can use the file. For example, a license can specify whether you can use the desktop Player to synchronise a file to your phone or how many times you can play a file on your device. The terms of the license are specified by the person or company that provided the file.

Licenses are created and managed by using a technology called digital rights management (DRM). Because Windows Media Player 10 Mobile supports Windows Media DRM 10, you can download and play protected files that you have obtained from compatible online stores, such as MSN Music. If the license and your phone permit it, you can even play subscription or rental content from some online stores.

For information about compatible online stores and devices, see the PlaysForSure Web site <http://www.playsforsure.com>

When copying a protected file from your computer to your phone:

- Always use the desktop version of Windows Media Player 10 to synchronise (copy) the file to your phone. For example, do not use Windows Explorer to drag and drop files from your computer to your phone.
- Always synchronise the file to a storage card that is inserted into your phone. Do not synchronise to a storage card that is inserted into a storage card reader.



You can determine whether a file is protected by viewing its file properties.



### Play items on your device

Use the library to find and play songs, videos, and playlists that are stored on your phone or removable storage card.

1. If you are not on the Library screen, click Menu > Library.
2. If necessary, on the Library screen, click Menu > Library, and then select the library that you want to use (for example, Storage Card).

3. Select a category (for example, My Music or My Playlists), select the item that you want to play (such as a song, album, or artist name), and then click Play.



To play a file that is stored on your device but is not in a library, on the Library screen, Click Menu > Open File. Click and hold the item that you want to play (such as a file or a folder), then Click Play.

## Play an item on a network

Use the Open URL command to play a song or video that is stored on the Internet or on a network server.

1. If you are not on the Library screen, click Menu > Library.
2. Click Menu > Open URL.
3. Do one of the following:
  - In the URL box, enter a network address.
  - In the History box, Click a URL that you have previously used.



To play To play an item on a network, your phone must be connected to a network. For more information about connecting your phone to a network, see Chapter 4 - getting connected.

Open URL

URL:

History:

OK Menu

## Copying files to your device

You can either copy files to your phone manually or if you have a PC, automatically copy (synchronise) files between your PC and your phone. The latter is described below.

Use the Sync feature in the desktop version of Windows Media Player 10 to synchronise (copy) digital media files from your computer to your device. Using Sync ensures that protected files and album art are copied to your phone correctly.

(Please ensure that you have completed the one-off steps in Chapter-6 for ActiveSync first and that the checkbox for Media Player has been ticked also in your PC ActiveSync as shown below as one-off steps again for Media Player). Select Media to get the next screen below.



If this is greyed out for any reason, please see the Notes at the end of this subsection about this issue.

---

At this stage, follow the instructions given here and insert a storage card into your phone also before proceeding.

Click this now and follow through the steps in screenshots

### **To synchronise content to your phone automatically, do the following:**

1. On your computer, start Windows Media Player 10.
2. Insert a 32 MB or larger storage card into your phone, and then connect your phone to your computer. On your computer, the Device Setup Wizard opens.
3. In the wizard, click Automatic, select the Customise the playlists that will be synchronised check box, and then select the playlists that you want to synchronise.
4. Click Finish.

The files begin synchronising to your phone. The next time you connect your phone to your computer while the desktop version of Windows Media Player 10 is running, synchronisation will start automatically.

For more information about the Sync feature, start the desktop version of Windows Media Player 10, and then press F1.

To sync manually, you can also drag and drop items into your Sync List as shown below:

---

Always use the desktop version of Windows Media Player 10 to synchronise (copy) files to your phone. For example, do not use Windows Explorer to drag and drop files from your computer to your phone.

Always synchronise files to a storage card that is inserted into your phone. Do not synchronise to a storage card that is inserted into a storage card reader.



The desktop version of Windows Media Player 9 Series is not as full-featured as the desktop version of Windows Media Player 10. For example, the desktop version of Windows Media Player 9 Series does not support automatic synchronisation, synchronisation of playlists, synchronisation of album art, or synchronisation of TV shows recorded by computers running Windows XP Media Center Edition.

For more information about the Copy to CD or Device feature, start the desktop version of Windows Media Player 9 Series, and then press F1.

If you get an error message in your PC Windows Media Player - No device has been detected, you may need to reinstall either the ActiveSync or WMP software in your PC to circumvent this issue.

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## Change Player appearance

You can change the appearance of the Playback screen by choosing a new skin.

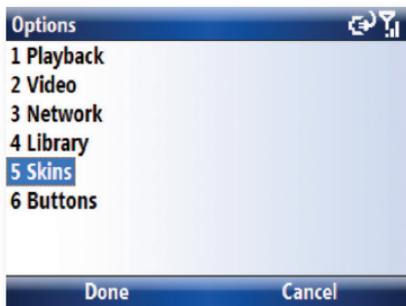
- If you are not on the Playback screen, press **BACK** to display the Playback screen.
- Click **Menu > Options > Skins**.
- To select a skin, press **NAVIGATION** left or right until you find the skin that you want to use.
- Click **Done**.



To download new skins, see the WMplugins.com site (<http://www.wmplugins.com>).

After downloading a skin to your computer and unzipping it if necessary, use ActiveSync to copy the .skn and .bmp files to your phone (such as to the location My Smartphone\Program Files\Windows Media Player). To ensure that skins appear on the Skins tab, do not store skin files in the Windows folder on your phone.

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## INTERNET EXPLORER MOBILE

### Open Internet Explorer

On the Home screen, click Start > Internet Explorer. You will be shown the Pocket Internet Explorer Home Page. From here you can:

#### Go to a link

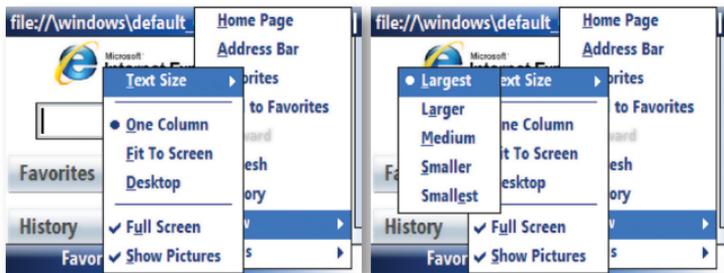
1. On the Home screen, click Start > Internet Explorer.
2. Scroll vertically or horizontally to see all available links.
3. Click the link.

#### Enter a Web Site

1. On the Home screen, click Start > Internet Explorer.
2. Click Menu > Address Bar.
3. Enter the address, and click Go.

#### Change the size of text on Web pages

1. On the Home screen, click Start > Internet Explorer.
2. Click Menu > Zoom and select the size you want.



#### Go to a Web page in the History list

1. On the Home screen, click Start > Internet Explorer.
2. Click Menu > History.
3. Select the Web page, and click Go.



To return to the Web page you were viewing, press BACK.

## Show or hide pictures on Web pages

1. On the Home screen, click Start > Internet Explorer.
2. Click Menu > View > Show Pictures.

A check mark next to Show Pictures indicates that pictures will be displayed on Web pages.



## View a favorite

1. On the Home screen, click Start > Internet Explorer.
2. Click Favorites.
3. Select a favorite, and click Go.

## Clear history, cookies, or temporary files

Through frequent use of Internet Explorer, your phone may accumulate lots of pages which could use up storage space in your device gradually. Occasionally, it may be advisable to clean this up in order to free up storage for your device.

1. On the Home screen, click Start > Internet Explorer.
2. Click Menu > Tools > Options.
3. Click Memory.
4. Select the type of memory to clear.
5. Click Clear, click Yes, and then click Done.

## **Send a link via email**

1. On the Home screen, click Start > Internet Explorer.
2. Go to the Web page you want to send.
3. Click Menu > Tools > Send Link via E-mail.
4. Select Text Messages or Outlook E-mail.

A new message is created with the page address inserted in the message body.

## USING MIDLET MANAGER JAVA

Your device supports JAVA applications (known as MIDlets) that are written especially for mobile devices. This includes games and utilities.

### Start the Java program

From the Home Screen, go to Start > JAVA. After a few moments you will see the main screen.

### Install a Java application

- Press Menu > Install.

You can now choose where to find the MIDlets

- To install from a Web site choose 'Browser'. This will launch Internet Explorer Mobile. Now navigate to the web site where the Java MIDlet is kept. Select the file and it will be loaded into the Java application.
- To install from the device, choose 'Local Files'. All unloaded MIDlets stored in the \Mobile Device folder will be shown in the window. Choose one from this list to install it.

### Selecting the Jad or Jar

You will be shown the details of the MIDlet you are proposing to install. Press Continue to proceed with the installation. If the Java file is not signed with a trusted certificate, then you will be prompted if you wish to install it. Once the file has downloaded, you will be asked where you wish to store the download. For ease of use you may choose to save this into <root>, which is the base folder of your smartphone.

### Run a Java MIDlet

First you must install the MIDlet using one of the methods described above. The installed files will be shown on the Java main screen. Scroll down to the desired MIDlet and press the Enter key to run it.

### Exit the JAVA application

From the main Java screen, choose Menu > Exit.

## WIRELESS MANAGER

The wireless manager is an application that allows you to easily switch on and off the Bluetooth and Telephony functionality of your device.

Start the Wireless Manager, either:

- Click the Power button, and choose 'Wireless Manager' from the Quick List, or;
- From the Home Screen go to Start > Settings > Connections > Wireless Manager.



If an item is active then it will be colored blue. If an icon is grey with a cross against it then it is inactive. In the screenshot above, Bluetooth is switched off while the telephone function is switched on, and a data connection called 'Internet' is active.

### To turn the GSM telephony element on and off

You may switch off the telephony radio transmission element of your device by highlighting the Phone icon and clicking OK. Alternatively you may press the '3' key. When a cross appears by the receiver icon, the device is in 'flight mode' for the telephone element. You will not be able to make or receive telephone calls, nor use the data network of your operator. However Bluetooth may still be active while the telephone element is switched off, if you so wish.

To turn the telephony element back on click on the option again, or press the '3' key again.

## To disconnect the current active data connection

You may wish to disconnect the data connection without switching off the telephone. To do this, go to Menu > Disconnect Cellular Data.



The data connection will automatically reconnect itself if you are using the Direct Push e-mail solution. This is by design as your device must have a connection permanently open in order to receive emails pushed from the email server. If you wish to disconnect the data connection under this scenario, first you must disable the Direct Push email. To do this, from the Home Screen go to Start > Activesync. In here go to Menu > Schedule. Change the 'Peak times' and 'Off Peak Times' to 'Manually.'

When you wish to start the Direct Push email again, you should return to the Activesync Schedule page and re-choose 'As Items Arrive.'

## To turn Bluetooth On and Off

Highlight the Bluetooth option on screen and press in on the navigation pad. Or, you may alternatively press the '2' key.

## To make your device visible to other Bluetooth users

Go to Menu > Bluetooth options. This will take you to the Bluetooth screen described in chapter 4.

## To enable and disable all wireless elements

To switch both the Bluetooth and Telephony on or off at once, press the 'All' selection or press '1' on the keypad.



## INTERNET SHARING

Internet sharing is a way of using your device as a cellular modem for your laptop or desktop PC.



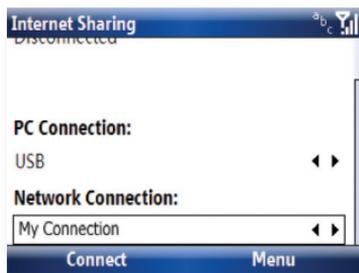
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Your cellular GSM account must already be enabled with a data plan.

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### To start Internet sharing

From the Home Screen, click Start > Internet Sharing.



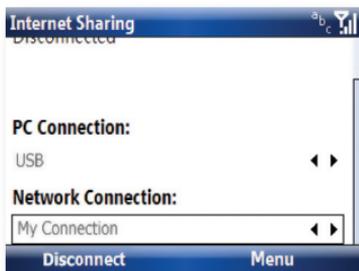
You should choose how you wish to connect your desktop/laptop PC to your device.

In the PC connection field choose either 'USB' for a wired connection, or 'Bluetooth PAN' to join the two together using Bluetooth.

Next, you must choose the data connection that you will use to connect to the Internet. You can choose this from a drop-down list of all connections that have been configured. If you have not already set up a connection for accessing the Internet, please refer to Chapter 4, "Getting Connected."

### If you have chosen to connect over USB

1. Press the 'Connect' button at the bottom of the screen.
2. Now connect your Pocket PC to your desktop/laptop PC using the USB cable supplied.
3. The device will show the word 'Connected' and your PC will be connected to the Internet.



You must run Active sync 4.2 or later in order to use this feature. If you are running an earlier version, upgrade to this using the companion CD that came with your device or by downloading the software as described in Chapter 6.

### If you have chosen to connect using Bluetooth PAN

1. You will be prompted if you wish to make your device visible to other users. Click 'Yes' if this is the first time that you are setting up the connection.
2. On your PC, perform a Bluetooth Search for your device.
3. Follow the process shown on your PC screen to bond it to your device.
4. On your PC, go to START > Connect to > Show All connections.
5. Double click the Icon in the Bluetooth Personal Area Network area.
6. Choose to connect the PC to your device.
7. Your PC will now be connected to the internet.

Full further detailed instructions for performing this procedure on a Windows XP PC running the standard Microsoft Bluetooth stack can be found at <http://www.clubimate.com>.



Maintaining Your Phone

Resetting Your Phone

Encrypt Files on Your Device

## Maintaining your phone **Chapter 8**

## MAINTAINING YOUR PHONE

Your phone is a well-designed and engineered product and the following tips and suggestions will enable you to obtain the best use of your phone.

- **Keep the phone in a dry environment. If the phone or battery were to get wet due to misuse, this can invalidate the manufacturer's warranty.**
- **Do not use the phone with wet hands to avoid any shocks and risks of water entering into the device, thereby increasing the risk of damage to internal circuits. This applies also if you have to replace the SIM or micro SD card inside the phone for whatever reason.**
- **Keep the phone and its accessories out of reach of young children and pets. They may accidentally damage the phone or risk swallowing the smaller components.**
- **Avoid storing the phone in hot environments as high temperatures can shorten the life of electronic components. There is the risk that the plastic casing can warp or melt if the temperature is high enough.**
- **Also please avoid storing the phone in cold environments. When the phone is switched on and warms up to its normal operating temperature, moisture can form inside the devices which may damage the circuit boards internally.**
- **Avoid dropping or any hard knocks to the phone as these shocks can damage the internal circuit boards.**
- **If you need to clean the phone, wipe it with a soft clean cloth – avoid use of cleaning solvents or detergents. DO NOT use water to clean the LCD screen.**
- **Do not attempt to respray or paint the phone.**
- **Do not keep the phone in or near heat sources such as a radiator or microwave oven – this can cause the battery inside the phone to overheat and explode.**
- **Ensure that the volume is turned down if you are using headphones.**
- **If the phone does not work, carry out some basic troubleshooting checks and try the reset procedures described in the following section. If the problem persists, please do not attempt to service or repair the device yourself as this may invalidate the terms of the warranty with the device provider. The repair should be carried out by an authorised service provider.**

## RESETTING YOUR SMART PHONE

Occasionally you may need to reset your Pocket PC Phone. A normal (or soft) reset of your device clears all active program memory and shuts down all active programs. This can be useful when the device is running slower than normal, or a program is not performing properly. A soft reset is also necessary after the installation of some programs. If a soft reset is performed when programs are running, unsaved work will be lost.

You can also perform a hard reset (also known as a Cold Boot). A hard reset should be performed only if a normal reset does not solve a system problem. After a hard reset, the device is restored to its default settings — the way it was when you first purchased it and turned it on. Any programs you installed, data you entered, and settings you customised on the device will be lost. Only Windows Mobile software and other pre-installed programs will remain.

### To perform a soft reset

Locate the small button at the bottom of the device known as the soft reset button and gently push the button inwards. (Note this type of reset will not affect your data). Otherwise simply remove the battery, wait 30 seconds and then insert the battery again.

### To perform a Hard Reset

Hard reset by pressing accessing the Master Clear Application:

1. Click Start > Settings > Master Clear.
2. Proceed to enter the confirmation code: 1234 and Click on Reset button then confirm by clicking OK. System will reboot to complete the operation.

## ENCRYPT FILES ON YOUR STORAGE CARD

Protect your storage card from being accessed by unauthorized persons by encrypting the data in the storage card. Encrypted files on your storage card can only be read by your device.

### To encrypt data on your storage card

1. On the Today screen, Click Start > Settings > System tab >Encryption.
2. Select Encrypt files placed on storage cards.



Encrypted files are opened just like other files, provided you are using the device that encrypted them. There is no separate step for you to take to read these files.

---



If encrypted files placed on storage cards are enabled, then backup all files from the storage card before using Clear Storage. Hard reset or update the ROM system software before you encrypt your files; otherwise you will no longer be able to access the encrypted files on the storage card. Use ActiveSync or Windows Mobile Device Center to transfer files between your storage card and computer. After transferring your files, copy your files back to the storage card.

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Battery information  
Regulatory notices  
Specifications

## **Appendix**



## BATTERY INFORMATION

Battery performance depends on many factors, including your wireless service provider's network configuration, signal strength, the temperature of the environment in which you operate your phone, the features and/or settings you select and use, items attached to your device's connecting ports, and your voice, data, and other program usage patterns. The original mains A.C. charger included in the box must be used to charge your device from flat.

### Battery life estimates (approximations)

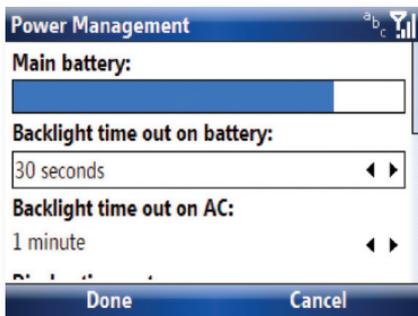
- Talk time: 4 hours / Standby time: 150 hours.

### Check the battery power

- On the Today screen, Click Start > Settings > System Tab > Power.
- On the Today screen, Click the battery icon.

### Optimise the power performance

- Click Start > Settings > System > Power, and adjust the automatic turn-off feature.



## Charge a flat battery

- Always use the AC charger supplied in the box.

## To manage a low battery

1. Immediately save your current data.
2. Plug the AC Charger into the Device.
3. Turn off your phone.



Danger of explosion if battery is incorrectly replaced. To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts, expose to temperature above 60°c (140°f), or dispose of in fire or water. Replace only with specified batteries. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.



## REGULATORY NOTICES

### Agency identification numbers

For regulatory identification purposes, your product (i-mate JAMA201) is assigned a model number of i306SP.

To ensure continued reliable and safe operation of your smartphone, use only the accessories listed in this document.

This product is intended to be used only with an i-mate approved charger.

## European Union Notice

Products with CE marking comply with the R&TTE Directive (99/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

- EN 60950 -1 (IEC 60950) – Safety of Information Technology Equipment.
- ETSI EN 301 511 V9.0.2(2003-03) for Mobile communications (GSM); Harmonized standard for mobile stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)
- ETSI TS 51 010 – 1 V7.0.1(2006-02) Digital cellular telecommunications system(Phase 2+) Mobile Station (MS) conformance specification; Part 1 : Conformance specifications
- EN 50360 - 2001 – Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz ~ 3 GHz).
- EN 50361 - 2001 – Basic standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz ~ 3 GHz).
- SAR value: 0.762mW/g @ 10g (CE).
- ETSI EN 301 489-1 Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.
- ETSI EN 301 489-7 – Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS).

**CE 0678!**

## FCC Compliance Statement

- **FCC part 15B and part 24**

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

- **FCC ID: VKPI306SP**

- **FCC part 15B statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help
- **FCC SAR: Body: 0.715 W/Kg @ 1g (FCC); Head: 0.571W/Kg @ 1g (FCC)**
- **FCC RF Radiation Exposure Statement:**

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

- **Modifications**

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

## Important Health and Safety Information

Retain and follow all product safety and operating instructions. Observe all warnings on the product and in the operating instructions.

To reduce the risk of bodily injury, electric shock, fire and damage to the equipment, observe the following precautions.

### General Precautions

#### Safety precautions for RF exposure:

Use only original manufacturer-approved accessories, or accessories that do not contain any metal.

Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

### Safety Precautions

- **SAFETY IN AIRCRAFT:** This product can cause interference to an aircraft's navigation system and network. In most countries it is against the law to use this product on board an airplane.
- **ENVIRONMENTAL SAFETY:** Do not use this product in gas stations, fuel stores, chemical plants and locations containing explosives.
- **ROAD SAFETY:** Vehicle drivers in motion are not permitted to use handheld telephony services, except in emergency. In some countries, using hands-free devices as an alternative is allowed.
- **MEDICAL EQUIPMENT SAFETY:** This product may cause medical equipment malfunction. In most hospitals or medical centres use of this product is forbidden.

### Heed service markings

Except as explained elsewhere in the Operating or Service documentation, do not service any product yourself. Service needed on components inside these compartments should be done by an authorised service technician or provider.

### Damage requiring service

Unplug the product from the electrical outlet and refer servicing to an authorized service technician or provider under the following conditions:

- Liquid has been spilled or an object has fallen into the product.

- The product has been exposed to rain or water.
- The product has been dropped or damaged.
- There are noticeable signs of overheating.
- The product does not operate normally when you follow the operating instructions.

### **Avoid hot areas**

The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat

### **Avoid wet areas**

- Never use the product in a wet location.

### **Avoid pushing objects into product**

- Never push objects of any kind into cabinet slots in the product.

### **Use product with approved equipment**

- This product should be used only with personal computer and options identified as suitable for use with your equipment.

### **Cleaning**

Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning, but NEVER use water to clean the LCD screen.

### **SAR Information**

SAR value: 0.762mW/g @ 10g (CE).

Use of non i-mate approved accessories may violate RF exposure guidelines and should be avoided.

## **SPECIFICATIONS**

### **Platform**

- Microsoft Windows Mobile 6.0 Standard

### **Dimension**

- 113mm(L) x 63mm(W) x 14mm
- 152g with battery pack

### **Processor/ Chipset**

- SAMSUNG 300MHz Processor

### **Memory**

- 128 MB ROM
- 64MB RAM

### **LCD Module**

- 2.4" TFT-LCD
- 65K color

### **GSM/ GPRS Function Block**

- GSM/GPRS
  - GPRS Class 10
  - Tri-band GSM 900/1800/1900
- Services
  - Speech Services with EFR/FR/HR codec
  - Emergency call
  - DTMF tone generation
  - Call holding, waiting, forwarding, barring
  - SMS
- SIM function
  - 3V SIM operation
  - SIM application toolkit
- Internal Antenna

## Keyboard/ Buttons

- Send/End
- 4 direction/Enter
- A/B
- Home/Back
- Volume Up/Volume down
- Camera
- Reset
- QWERTY/space/double size
- Navigation side Key up/ Navigation side Key down/side function 2
- Power

## Notification

- Two color LED Indicator
- Single color LED Indicator
- Notification styles
  - LED, sound, and vibration

## Multimedia

- Handsfree speakerphone
- Stereo Bluetooth
- Ring tone
  - Supports 64-chord MIDI, MP3, WMA, WAV, AMR
- Playback
  - Supports MP3, WMA, WAV, AMR
- Video
  - Supports WMV, MPEG4, 3GP, ASF

## Power

- Battery
  - Removable and chargeable Li-Ion
  - Capacity: 1050 mAh
- Talk time up to 4 hours

- Standby: 150 hours
- Maximum charging temperature: 45C
- Operating temperature: -10C to +50C

## Camera

- 2.0 Mega Pixel-Effect Camera, Auto Focus, 4X Digital Zoom

## Connectivity & Interface

- Bluetooth
  - Class 2 transmit power
  - Supported Profiles
- ActiveSync Profile
- Generic Access Profile
- Serial Port Profile
- Object Push / OBEX profile
- DUN (dial-up networking profile)
- Hands-free Profile
- PAN Profile
- AVRCP (Audio/Video Remote control profile)
- HID (Human interface device profile)
- MicroSD card slot

## Inbox Accessories

- AC adapter
- USB Sync cable
- Stereo headset with microphone

## Interface

- USB1.1 connection and power charging
- SIM card slot
- MicroSD card slot

## **Included Software**

- Windows Outlook Mobile: Calendar, Contacts, Messaging, Tasks
- Microsoft “Direct Push” e-mail (When used in conjunction with Exchange Server 2003, SP2)
- Word Mobile, Excel Mobile, PowerPoint Mobile
- Internet Explorer Mobile
- Windows Media Player 10 Mobile
- i-mate Configurator
- Picture & Video viewer
- ActiveSync Client
- Windows Live Messenger (Hotmail Instant Messenger)
- Calculator
- Voice Notes
- File Explorer
- MMS Client: MMS 1.2 supported
- Java Virtual Machine (J2ME, CLDC 1.1, MIDP 2.0)
- SIM Manager
- ClearVue PDF viewer

## **Regulatory**

- BQB (Bluetooth Qualification Body) certification
- Windows Mobile log (NSTL)
- USB certification
- CE
- FCC

## WEEE Notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life.

The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.

The WEEE logo (shown above) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point of recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical wastes equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city centre, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.