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NOTE: 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 that you affix the provided peel-off label here ROM Lock Code: _____

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.**
- **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 might be prohibited or allowed at certain controlled times specified by the airline.
- Use the hands-free mode, if you need to use the telephony services, while driving a vehicle, where this is permitted by law.

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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Views of the Device

Get Started

Expanding Your Device

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Voice Recording

Getting to Know Your 8502 **Chapter 1**

VIEWS OF THE DEVICE



No.	Item	Function
1.	Scroll Wheel	Scroll up or down to move through menus and program instructions.
2.	OK Button	Press to confirm your data entries or to exit the program in use.
3.	POWER Button	Press and hold power your Device On or Off. When Device is Power on, press briefly to Standby mode and press again to resume.
4.	Earpiece	For use during phone calls.
5.	Left Soft Key	Open the Calender from the Today screen and perform the command shown in the label above the button.
6.	SEND Button	Press this key to answer an incoming phone call or dial a number.

No.	Item	Function
7.	Windows Start Menu button	Press to bring up the Start menu.
8.	Qwerty Keypad	Use the input keys to enter letters and numbers.
9.	Earphone Jack	Connection for provided Stereo Headset.
10.	Stylus	Use the stylus to write, draw or select items on the touch screen.
11.	LED	Displays the status of the phone. One Bi-Color (Green and Red) LED indicates communication network status, device power, charging status and system event notification.
12.	Right Soft Key	Open the Contacts list from the Today screen and perform the command shown in the label above the button.
13.	END Button	Press to end a phone call.
14.	ACTION Button / Navigation stick	Action button - confirm the selection from the Navigation stick by pressing the centre button. Navigation stick - press this multi-directional control up, down, left, or right to move through menus or programs.
15.	OK Button	Press to confirm your data entries or to exit the program in use.
16.	Microphone	For phone calls and recording notes.
17.	Mini-USB Connector	Connect the USB data cable to a PC for synchronization of Direct Video Out function.
18.	Volume±/Zoom in/out	Press to adjust the volume in Standard mode; or zoom in/ out in Camera mode.
19.	Voice Recording key	Press to start Notes options; press and hold to start recording, and release to stop recording.
20.	Camera & Video Button	Press to launch the camera function and take a picture or record high quality video.
21.	microSD Card Slot	Remove Battery Cover to access microSD Card Slot and insert SD Card. (Note: Be certain to insert microSD card in proper orientation.)
22.	Camera Lens	The CMOS camera supports a 2 mega-pixel resolution for quality colour photos or video recording.

No.	Item	Function
23.	Loudspeaker	Loudspeaker for speaker phone function and playback of music and device sounds.
24.	LED Compensation Light	White LED light for taking a picture or recording high quality video brighter.
25.	Battery Cover	To remove or replace the battery, push and slide out the battery cover.
26.	Reset Button	Located under the battery cover, press this button to reset your device.

GET STARTED

INSTALL THE SIM/USIM CARD

Follow these steps to install the SIM/USIM card provided by your local network service provider. The SIM/USIM card contains your phone number, service details and phonebook/message memory.

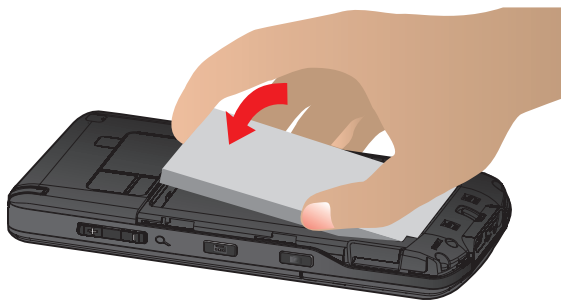
Your device supports both 3V and 1.8V SIM/USIM cards. Some legacy SIM/USIM cards will not function within this device. Consult with your service provider for a replacement SIM card. There might be a fee for this service.

1. Make sure the device is turned off.
2. Slide and lift to remove the battery cover.
3. Remove the battery by lifting it at the end next to the camera. Slide the SIM cover in the direction of the "OPEN" arrow and lift cover. Place the SIM card in slot with the gold contacts facing down. Lower the SIM cover over SIM and slide the SIM cover in the direction of the "LOCK" arrow.
4. Replace the battery and cover as shown on the next page.



Install 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 battery into place.
2. Lower the battery cover onto the device in an almost-closed position. Then slide the battery cover fully home to lock it into place.



Charge the battery

The device is only partially charged when you take it out of the box. The battery may be charged when the phone is turned on or off.



Warning: New batteries are shipped partially charged. Before you can use your device, you need to install and charge the battery using the supplied AC Adapter.

TURN ON THE DEVICE

To turn ON the device, press and hold the POWER button for 5 seconds until the screen lights up. When you turn on the device for the first time, you will be asked to complete the screen calibration process. Calibrating the device screen involves tapping the centre of a cross with the stylus as the cross moves around the screen. This process ensures that when you tap the screen with your stylus, the tapped item is activated accurately.

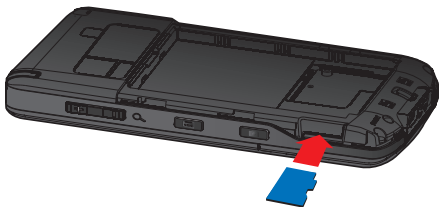
Should you wish to repeat the calibration process, you can do this at any time by following the procedure within Chapter 2.

EXPANDING YOUR DEVICE

Using microSD Cards

You can use the microSD card slot of the Pocket PC Phone to store back up or transfer files and data. To insert a card, remove the battery cover first. The microSD slot is on the right side of the phone. With the label of the device facing downwards, the logo of the microSD card facing upwards and its connector pointing to the slot, insert the card into the slot until it clicks into place.

To remove the microSD Slot card, make sure that no application is accessing the card, slightly push the top edge of the card to release it and then pull it out of the slot.



Keep the microSD Slot card in a well-protected box or bag to avoid dust and humidity when you are not using it.

A microSD Slot card should be formatted before use.

CONNECTING TO AC POWER AND CHARGING THE BATTERY

Fully charge the battery before starting to use your device.

1. Fit the converter plug to the AC adapter.

Connect the mini-USB end of the AC adapter to your device and the other end to a wall outlet.

2. The charge indicator glows solid red when charging is in progress.

Do not disconnect your device from AC power until the battery is fully charged. This will take a couple of hours.

When charging the battery for the very first time, charge it for at least 8 hours.

Whenever possible, keep your device connected to the AC adapter and a power source. Doing so keeps the battery charged.



WARNING: For optimal performance of the lithium battery, take note of the following:
Do not charge the battery where the temperature is high (CITATION: In direct sunlight).
If you will not use the product for a long period of time, be sure to fully charge the battery at least once every two weeks.



NOTE: Your device can also be charged when it is connected to a computer via the USB cable.



BASIC SKILLS

This chapter familiarizes you with the basic operations of your device such as using the stylus, navigation stick, Today screen, menus, and programs.

You will also know how to enter information and lock your device.

Using the Stylus

Use the stylus to navigate and select objects on the screen.

Pull the stylus out of the slot and extend it for ease of use. Store it in the slot when not in use.

Tap

Touch the screen once with the stylus to open items and select options.

Drag

Hold the stylus on the screen and drag across the screen to select text and images. Drag in a list to select multiple items.

Tap and hold

Tap and hold the stylus on an item to see a list of actions available for that item.

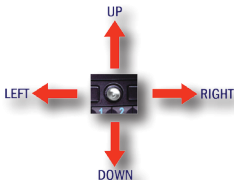
On the shortcut menu that appears, tap the action you want to perform.



USING THE NAVIGATION STICK

With the navigation stick, you can move up, down, left and right within a menu. This is particularly useful for one-hand operation.

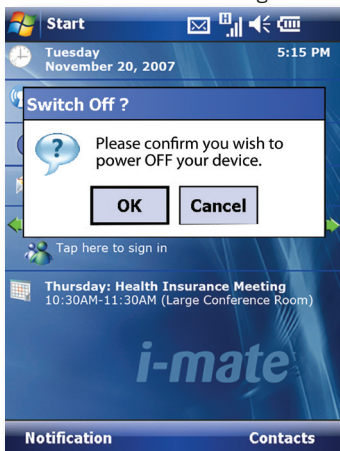
To move in a direction, simply push the button toward the corresponding direction. At the centre of the navigation keys is the OK key for you to activate the selected item.



Conserve Battery Power

To save battery power, your device will automatically go into Standby mode if not used for a period of time. In Standby mode, the device can still receive calls and messages. To resume from Standby mode, press the POWER button briefly to wake up the device.

To power OFF the device completely, press and hold the POWER button and the system will prompt you to confirm powering off the device. In this OFF state, the device cannot receive calls or messages.



SOFTWARE INDICATORS

Status indicators appear at the top of the screen and on the Today screen.

The following table lists common status indicators and their meanings.

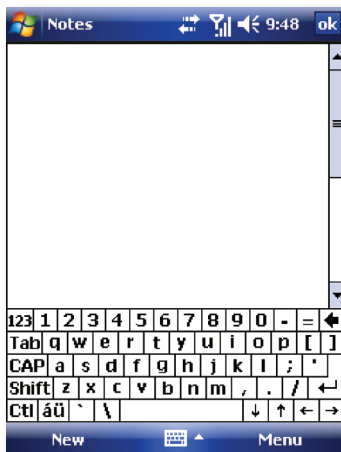
Icon	Description	Icon	Description
	Battery level.		Voice call in progress.
	Battery is very low / Charge battery soon.		Calls are forwarded.
	Battery charging.		Call on hold.
	Battery fault.		Missed call.
	Speaker off.		GPRS Connection in progress.
	Speaker on.		GPRS Connected.
	New instant message.		GSM available.
	Ringer in vibration mode.		Indicates device is locked or unlocked.
	New text message.		Connected to the PC.
	Voice mail notification		Connected to the PC. Synchronization error.
	E-mail		Synchronization in progress.
	There are more notifications. Tap the icon to view all.		Bluetooth.

Icon	Description	Icon	Description
	No SIM card installed.		Indicates Wi-Fi is turned on.
	Roaming.		Wi-Fi network in range.
	No signal.		Wi-Fi is connected.
	Reception is turned off.		3G connected.
	Signal strength. The number of bars indicates the signal strength.		Enables you to see Help topics for a program on your device.
	3G in range.		HSDPA
	Microphone muted		EDGE

ENTERING INFORMATION

Input Panel

Input Panel provides access to the various available input methods for your device, including Block Recognizer, Keyboard, Letter Recognizer and Transcriber. By default, the Input Panel icon appears on the menu bar to indicate which input method is currently selected. The Input Selector arrow (shown at the right side of the Input Panel icon) opens a list of available input methods.



NOTE: Not supported on all language versions of the Windows Mobile operating system.

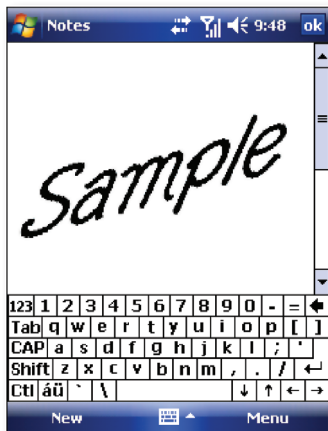
The following input methods are available when text entry is possible:

Icon	Input method
	Press to switch the keyboard input on or off.
	Input Panel Icon / Press the Input Selector Arrow to change input methods.
	Letter Recogniser or Block Recogniser.
Sym	Symbol Table.
	Transcriber.

For further details of Transcriber and other Input Panel methods, refer to Chapter 7, where the Notes application is described.

Draw and Write on the Screen

With your device, you can draw directly on the screen or write on the screen and save notes ( Start > Programs > Notes) in your own handwriting. If you prefer to use handwriting or frequently add drawings to your notes, you may find it helpful to set Writing as the default input mode. If you prefer typed text, set Typing as the default input mode. To change the default input mode in Notes, tap Menu > Options in the notes list and then, in the Default mode box, tap either Writing or Typing, depending on your personal preferences. Tap OK.

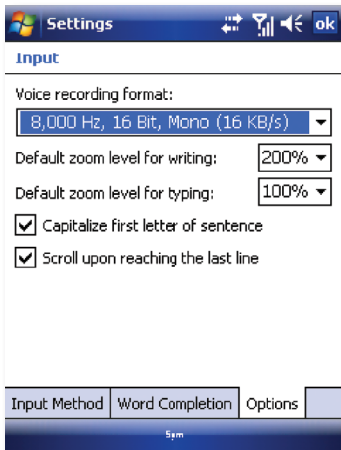


VOICE RECORDING

You can create a standalone voice recording or you can add a recording to a note.

Create a voice note

1. Tap  Start > Programs > Notes.
2. If you do not see the Recording Toolbar, tap Menu > View Recording Toolbar.
3. Tap the record icon  to begin recording.
4. Hold your device's microphone near your mouth or other audio source.
5. Tap the stop icon  when finished recording.
6. Change recording formats
7. Tap  Start > Settings > Personal tab > Input.
8. In the voice recording format list, tap the format you want.
9. Tap OK.



Today Screen

Start Menu

Ring tones and Notifications

General Settings

Security

Personalising Your Device **Chapter 2**

TODAY SCREEN

The Today screen shows your upcoming appointments, active tasks, and information about e-mail messages.



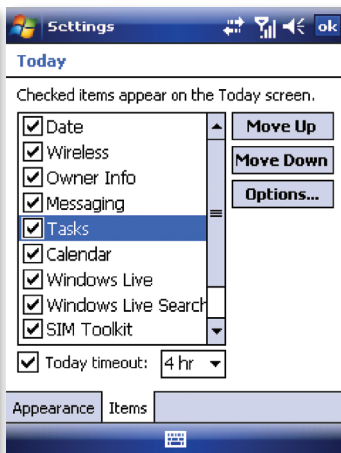
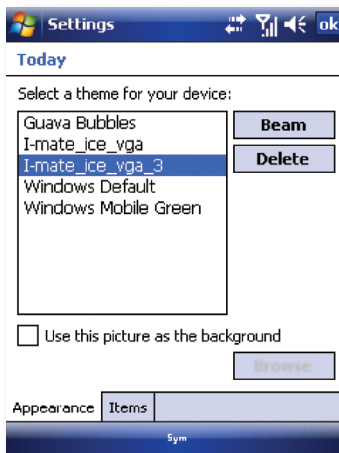
No.	Description	No.	Description
1.	Tap to open the  Start menu.	7.	Tap to open the Wireless Manager. If the Wi-Fi  and Bluetooth  icons are displayed, they are enabled.
2.	Tap to view the connectivity status.	8.	Tap to open the Profile Controller.
3.	Indicates the radio signal strength. Tap to configure the phone settings.	9.	Tap to open the related messages, tasks and appointments.
4.	Tap to control device/ringer volume level.	10.	Shows the current function of the left soft key. Tap to open the Calendar screen.
5.	Indicates the battery status. Tap to open the Power Settings screen.	11.	Shows the current function of the right soft key. Tap to open the Contacts screen.
6.	Displays the current date and time. Tap to set up date, time, alarm, etc.	12.	Shows the current function of the right soft key. Tap to open the Contacts screen.



NOTE: Not supported on all language versions of the Windows Mobile Operating System.*

Customise background items on the Today Screen

1. Tap Start > Settings > Personal tab > Today.
2. On the Appearance tab, select the desired theme for the background of the Today screen. You can use one of your own pictures as the background image on the Today screen by selecting the Use this picture as the background check box and tap Browse to view a list of your picture files.
3. On the Items tab, select the items you want to appear on the Today screen. To change the order of items displayed on the Today screen, tap the item and then tap Move Up or Move Down.
4. Tap OK.

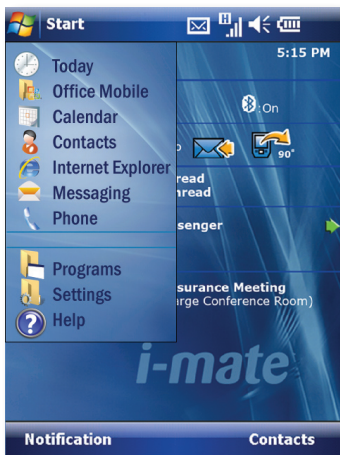


NAVIGATION BAR AND TOOLBAR

The Navigation bar is located at the top of the screen. It displays the active program and current time and allows you to switch programs and close screens.

The Navigation bar and Start menu:

Use the toolbar at the bottom of the screen to perform tasks in programs. The toolbar includes a left soft key, a right soft key, and the Input panel button in between. The right soft key is usually Menu while the left soft key varies with programs.



An example of the toolbar:



Enter Owner Information

Entering and displaying Owner Information on the Today Screen is recommended and allows someone to return the device if lost.

1. Tap  Start > Settings > Personal tab > Owner Information.

2. In the Identification tab, enter your personal information.

If owner information is displayed on the Today screen, you can open and edit the information directly from it. Just tap that section of the screen.



Settings

Owner Information

Name:

Company:

Address:

Telephone:

E-mail:

Identification Notes Options

123 1 2 3 4 5 6 7 8 9 0 - = <

Tab q w e r t y u i o p []

CAP a s d f g h j k l ; ' ,

Shift z x c v b n m , . / <

Ctl ä ü ` \ < > < >

START MENU

START MENU

The Start menu, located at the top left corner of the Today screen, displays a list of programs. It lets you close a screen and switch from one program to another. You can start a program by scrolling through the programs list with the scroll wheel and then depressing the scroll wheel or by tapping a program with the stylus.

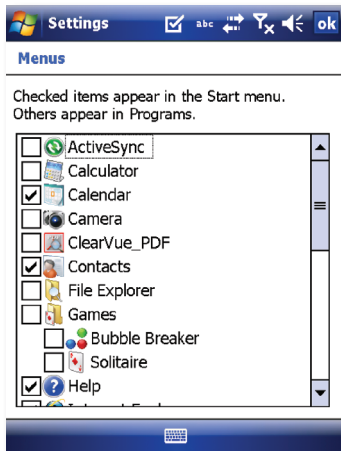
You can choose which items appear in the Start menu:

1. Tap  Start > Settings > Personal tab > Menus.
2. Select the check boxes of the items you want to appear in the  Start menu. You can select up to seven items.

Create folders and shortcuts

You can also create new folders and shortcuts that appear on the Start menu.

1. Open ActiveSync on your PC (see Chapter 6) and click Explore.
2. In the Mobile Device window, double click Mobile Device > Windows >  Start Menu, then create the folders and shortcuts that you want. You will see the added items after you synchronize.

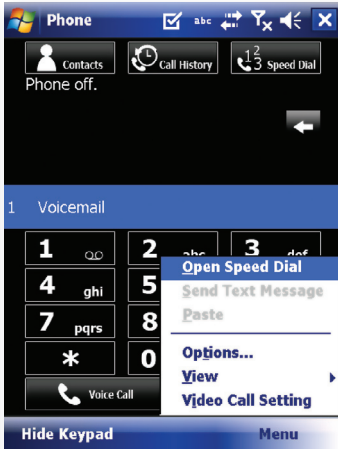
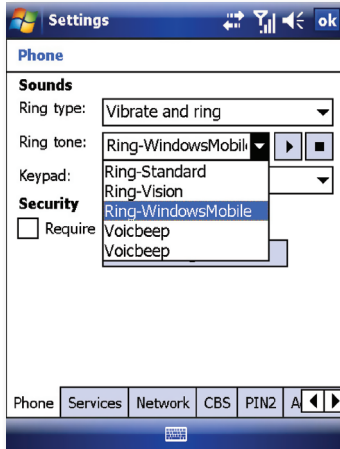


RING TONES AND NOTIFICATIONS

Change ring tones

You can change the way that you are notified of incoming calls. For example, you can choose to be notified by a ring, a vibration, or a combination of both.

1. From the Phone screen, tap Menu > Options > Phone tab.
2. In the Ring tone list, select the desired option, and tap OK.

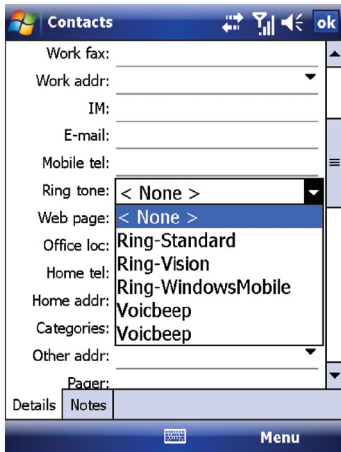


NOTE: To use custom *.wav, *.mid, *.mp3, or *.wma files as ring tones, use ActiveSync on your PC to copy the file to the Windows/Rings folder on your device. Then, select the sound from the ring tone list. For more information about copying files to your device, see ActiveSync Help on your PC.

Assign ring tones to Contacts

It is also possible to assign a specific ring tone to a Contact:

1. Go to  Start > Contacts and tap on the desired Contact.
2. Select Menu > Edit.
3. In the Ring tone field, select your desired ring tone.

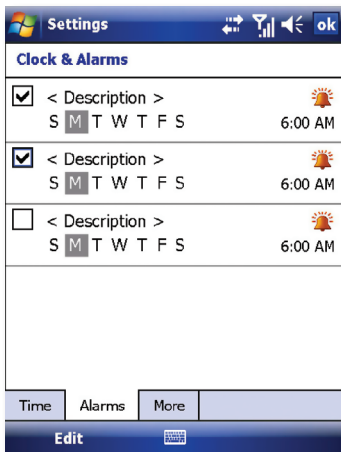


NOTE: There are two types of Contact, Outlook Contacts and SIM Contacts. An Outlook Contact has the more extensive list of fields, including the ringtone field.

Change the ring type; enable vibrate

You can change the way that you are notified of incoming calls. For example, you can choose to be notified by a ring, vibration or a combination of both.

1. From the Phone keypad, tap Menu > Options > Phone tab.
2. In the Ring type list, tap the desired option.

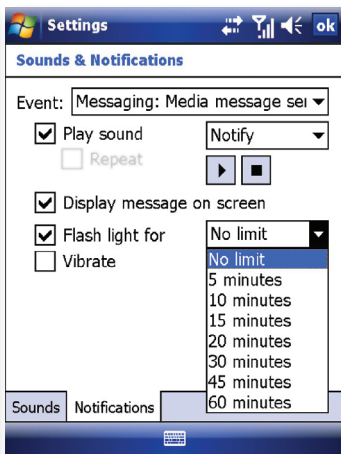
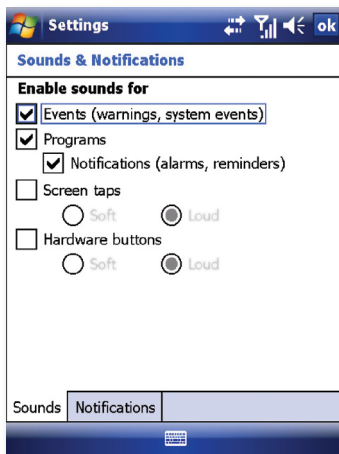


Set an alarm

1. Tap  Start > Settings > System tab > Clock & Alarms > Alarms tab.
2. Tap Description > and enter a name for the alarm.
3. Tap the day of the week for the alarm. You can select multiple days by tapping each desired day.
4. Tap the time to open a clock and set the time for the alarm.
5. Tap the alarm icon  to specify the type of alarm you want. You can choose a flashing light, a single sound, a repeating sound or vibration.
6. If you choose to play a sound, tap the list next to the Play sound check box and tap the sound you want.

Choose how to be notified about events or actions

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



GENERAL SETTINGS

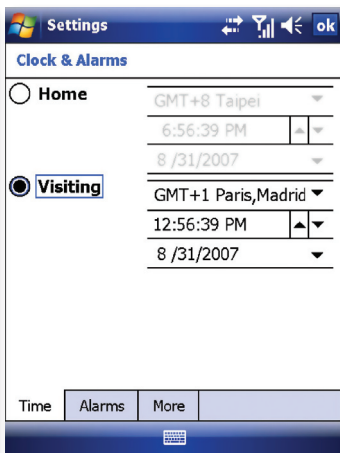
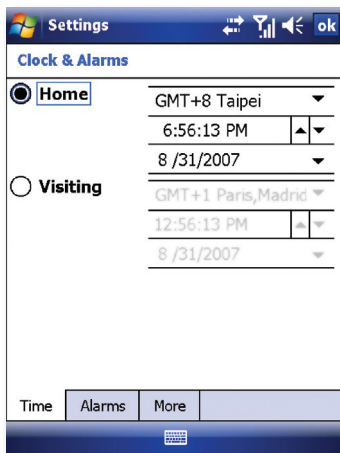
Set the time and date:

1. Tap  Start > Settings > System tab > Clock & Alarms.
2. Select the correct time zone and change the date or time.

Set the time and date for a different location

If you visit or communicate with someone in a particular time zone often, you can select it as your visiting time zone.

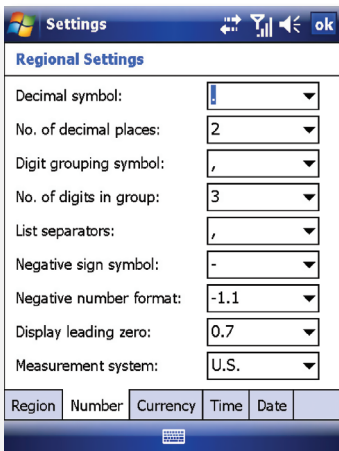
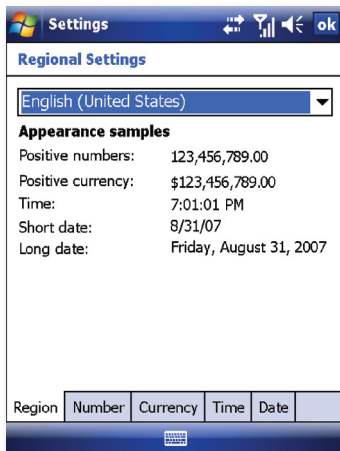
3. Tap  Start > Settings > System tab > Clock & Alarms.
4. Tap Visiting.
5. Select the correct time zone and change the time or date.



Change regional settings

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

1. Tap  Start > Settings > System tab > Regional Settings.
2. On the Region tab, select your region.
3. The region you select determines which options will be available on the other tabs.
4. To customise settings further, tap the appropriate tabs and select desired options.



Settings [Icons] **ok**

Regional Settings

Currency symbol: [¤] ▼

Currency symbol position: [¤1.1] ▼

Decimal symbol: [.] ▼

No. of decimal places: [2] ▼

Digit grouping symbol: [,] ▼

No. of digits in group: [3] ▼

Negative number format: [(¤1.1)] ▼

¤ = Universal currency symbol

Region | Number | Currency | Time | Date

Settings [Icons] **ok**

Regional Settings

Time sample: 7:31:34 AM

Time style: [h:mm:ss tt] ▼

Time separator: [:] ▼

AM symbol: [AM] ▼

PM symbol: [PM] ▼

Region | Number | Currency | Time | Date

Settings [Icons] **ok**

Regional Settings

Short date: 10/3/07

Long date: Wednesday, October 03, 2007

Short date: [M/d/yy] ▼

Date separator: [/] ▼

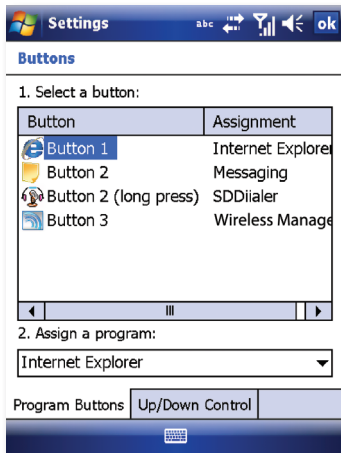
Long date: [dddd, MMMM dd, yyyy] ▼

Calendar type: [Gregorian Calendar] ▼

Region | Number | Currency | Time | Date

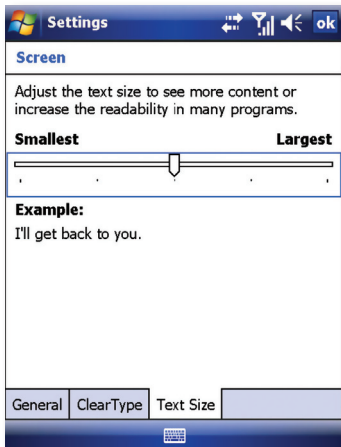
Reassign programs or shortcuts to program buttons

1. Tap  Start > Settings > Personal tab > Buttons.
2. A list of programmable buttons and their current assignments is displayed on the Program Buttons tab.
3. Tap the button you want to reassign. To help you identify the buttons, there are numbers and icons representing their original functions.
4. In the Assign a program box, tap the program or shortcut to assign. Tap OK.



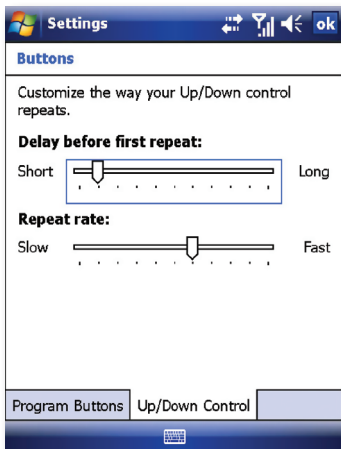
Increase or decrease screen text size

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



Adjust the speed for scrolling

1. Tap  Start > Settings > Personal tab > Buttons > Up/Down Control tab.
2. Do one of the following:
 - Under Delay before first repeat, move the slider to shorten or lengthen the time that elapses before scrolling begins.
 - To change the time it takes to scroll from one item to the next, under Repeat rate, move the slider to adjust the speed.

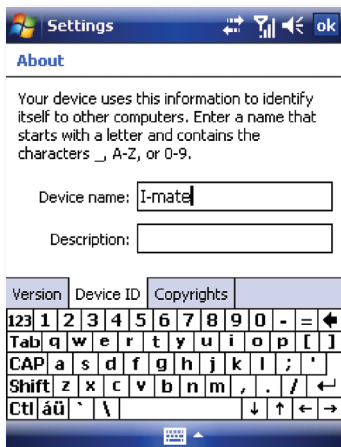


Change the device name

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

The device name is used to identify the device in the following situations:

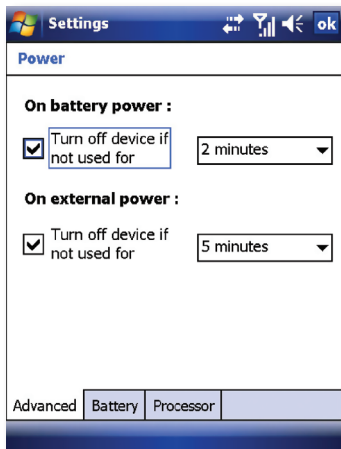
- Synchronizing with a PC.
- Connecting to a network.
- Restoring information from a backup.



NOTE: The device name must begin with a letter, consisting of letters from A to Z, numbers from 0 to 9, and cannot contain spaces. Use the underscore character to separate words. If you synchronize multiple devices with the same PC, each device must have a unique name.

Make the battery last longer

1. Tap  Start > Settings > System tab > Power. On the Advanced tab, you can specify when your device turns off, to conserve battery power. For optimum conservation, specify 3 minutes or less.
2. Use the AC adapter to plug your device into external power whenever possible, especially when using a microSD card, a modem or other peripheral.
3. You can also adjust the backlight settings to conserve energy as described below.

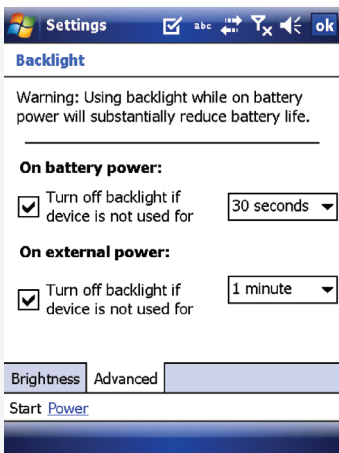
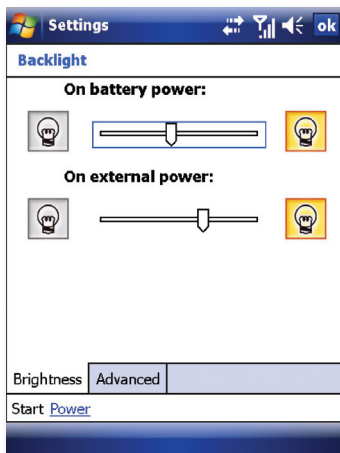


Adjust backlight brightness

4. Tap  Start > Settings > System tab > Backlight > Brightness tab.
5. Move the sliders right to increase the brightness or left to decrease it.

Set the backlight to dim after a time delay

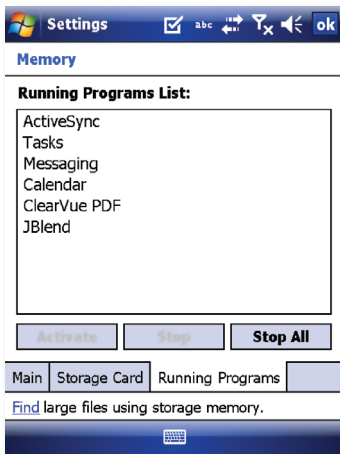
1. Tap  Start > Settings > System tab > Backlight.
2. On the Advanced tab, you can specify when your backlight turns off, to conserve battery power.
3. Select the Turn off backlight if device is not used for check box and specify the time delay.



Close a program

In most cases, programs automatically close to free needed memory. However, you can close programs manually.

1. Tap  **Start** > **Settings** > **System** tab > **Memory** > **Running Programs** >.
2. In the Running Programs list, tap the program you want to close and tap **Stop**.



Managing Memory

In certain situations, such as when the memory is low, your device may not be able to automatically adjust the memory allocation. When you receive a message stating that storage or program memory is unavailable, try the following solutions.

Move data to an SD storage card.

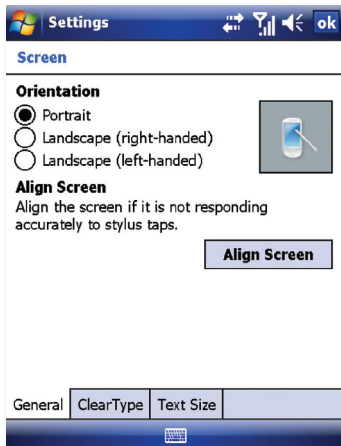
1. Tap  **Start** > **Programs** > **File Explorer**.
2. Tap-and-hold on the file you want to move, then select **Cut** from the pop-up menu. Open the **My Documents** folder in the storage card folder, tap **Edit**, and then tap **Paste**.

Files stored in folders other than My Documents (or in folders under the sub-folders in My Documents) may not show up in the list view of some programs. When you use Notes, Word, or Excel, move files by opening the item and tapping Tools or Edit and then Rename/Move.

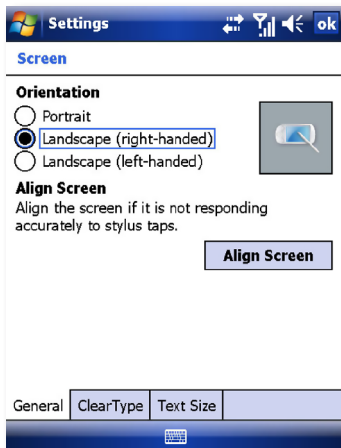
Change the orientation of the screen

You can use your Pocket PC in landscape or portrait modes, depending on how you wish to use the device.

1. Tap  Start > Settings > System tab > Screen > General tab.
2. Choose whether you wish to use the device in Portrait or Landscape modes. Landscape can be right or left-handed. Tap OK to make the changes.



Tap Align Screen if you wish to recalibrate the alignment of the stylus with the screen image.



SECURITY

Protect your data, your SIM card and your device with passwords

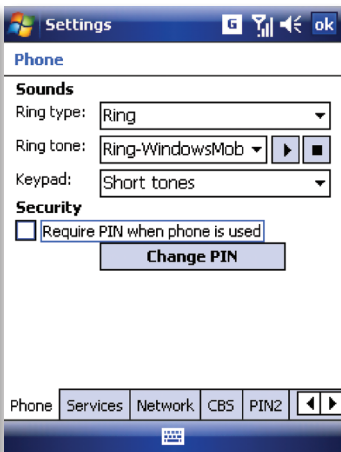
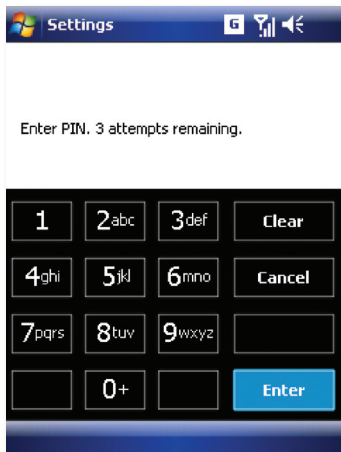
This section will describe how to set a password for your SIM card and how to set a password to lock the device itself. You can choose to set up either type of password or both passwords or to have no password at all.

Locking the device is different from locking the SIM card; a SIM card could be removed from the device and used in another device unless SIM security has also been applied as described below.

SIM Security

Unauthorised use of a SIM could potentially incur unwanted network usage charges as well as compromising the security of any data stored on the SIM card. To protect your SIM card with a PIN access:

1. Tap  Start > Settings > Phone > Phone tab or from the Phone screen, tap Menu > Options > Phone tab.
2. Tap "Require PIN" when the phone is used and enter the PIN number from the screen keypad.
3. To change the PIN at any time, tap Change PIN.

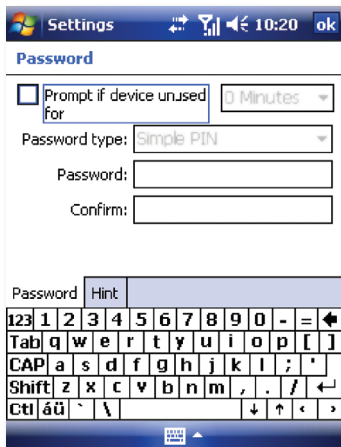


NOTE: If the network operator allows it, Emergency calls can be placed at any time, without requiring a PIN. If your PIN is entered incorrectly three times, the SIM card will be blocked. If this happens, you can unblock it with the PUK (PIN Unblocking Key) obtained from your wireless service provider. A maximum of 10 attempts at entering the PUK is allowed, after which the user would have to contact the service provider for a replacement SIM card.

Protect your device with a password

You can help keep your data more secure by requiring a password every time the device is turned on.

1. Tap  Start > Settings > Personal tab > Lock.
2. Select the Prompt if device unused for check box. In the box to the right, select how long your device must be turned off before a password is needed. In the Password type box, select the type of password you want to use. Enter the password and, if necessary, confirm it. If the device is configured for network connection, use a strong password for better network security.
3. On the Hint tab, enter a phrase that will help you remember your password but does not allow others to guess it. The hint will be displayed after the wrong password is entered four times.
4. Tap OK. The next time the device is turned on you will be prompted to enter your password.

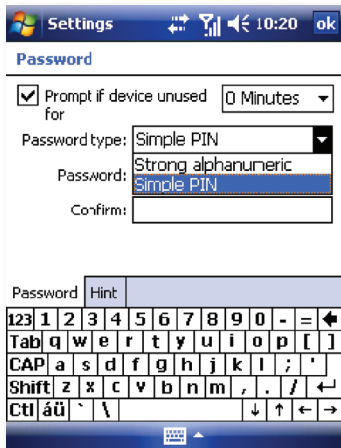




NOTE: Each time a wrong password is entered, the time the device takes to respond will get deliberately longer and longer until the device appears to be not responding. If you forget your password, you must follow the procedure to perform a hard reset (clean boot) as described in Chapter 8 which will clear all personal data from memory.

Change your password

1. Tap  Start > Settings > Personal tab > Lock. You will be prompted to enter your current password. Then tap Unlock.
2. In the Password boxes, enter and confirm your new password.
3. On the Hint tab, enter a phrase that will help you remember your new password but does not allow others to guess your password. The hint will be displayed after the wrong password is entered four times.
4. Tap OK.



Encrypt data on your storage card

1. Tap  Start > Settings > System tab > Encryption.
 2. Select Encrypt files placed on storage cards to encrypt files as they are placed on a storage card.
- If your organization enforces an encryption policy, you can see this setting but cannot change it.
 - Encrypted files can be read only on the device that encrypted them.
 - 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.



PROFILE CONTROLLER

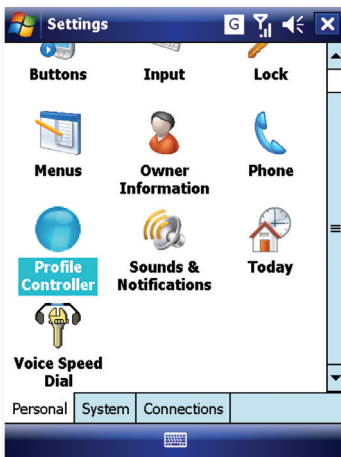
Save and recall your favorite settings

Your device is provided with the i-mate Profile Controller whose job is to remember and apply your preferred volume and ringer settings for you for specific situations. Rather than applying individual settings one-by-one, you can instantly recall a predefined set at once, called a 'Profile', accessed from one convenient place. The Profile Controller also adds quick access to changing the screen orientation and enabling/disabling your push mail.

You can personalize profiles for Meeting, Silent, Outdoor, Headset and Normal requirements and easily apply the profile that is the most appropriate to your situation.

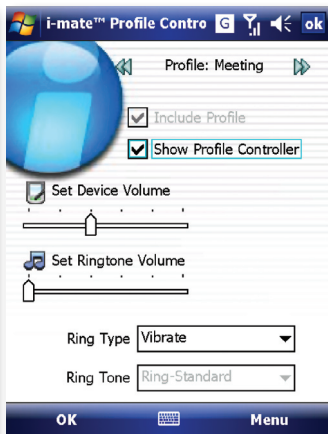
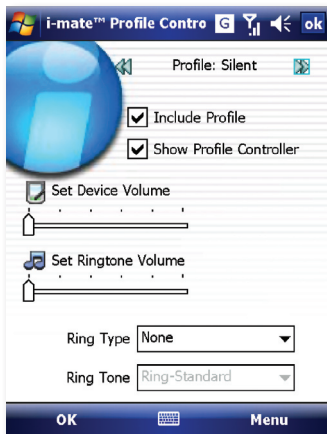
Configure the Profile Controller

- Tap **Start > Settings > Profile Controller**.



In each profile, you will find that some default selections have been made.

For example, in the Silent profile, the Ring Type is preset to None and the Set Device Volume slider is already at its minimum.



All the settings shown can be personalized by the user. Each profile consists of the following combination of settings which are applied when the profile is selected:

- **Include Profile check box:** you can choose to disable the Silent, Outdoor and/or Headset profiles by clearing the relevant check box. The Normal and Meeting profiles are always included.
- **Show Profile Controller check box:** see below - Access the Profile Controller from the Today screen.
- **Set Device Volume:** the device (earpiece/speaker) volume will be altered to the value set on this slider.
- **Set Ringtone Volume:** the ringer volume will be altered to the value set on this slider.
- **Ring Type drop-down list:** the ring type will be changed to Ring, Increasing Ring, Ring Once, Vibrate, Vibrate and Ring, Vibrate then Ring or None.
- **Ring Tone drop-down list:** if ringing is enabled above, the ring tone will be changed to Ring-Standard, Ring-Vision or Ring-Windows-Mobile.

To move between profiles, tap the double arrows to either side of the profile name.

When satisfied with the settings, tap OK or press the left soft key. The currently displayed Profile will be applied.

Access the Profile Controller from the Today screen

You may need to change profiles quickly and it is useful to be able to see at a glance which profile is active. There are two ways to make Profile Controller present on the Today screen:

- **(a) Tap Start > Settings > Personal tab > Today > Items tab and check the box for Profile Controller**

OR:

- **(b) Within Profile Controller, check Show Profile Controller.**

Now you can change the active profile simply by tapping the Profile name. With successive taps, the device cycles through the profiles in the sequence:

- **Normal > Meeting > Silent > Outdoor > Headset > Normal.**

However, if you choose not to display the Profile Controller on the Today screen, you can still pick and apply a new profile from the Profile Controller by tapping Start > Settings > Profile Controller. When you tap OK within the Profile Controller, the currently displayed Profile is immediately applied.



TIP: If you mark, or clear, the check box for Show Profile Controller on any profile settings page, the same setting is automatically copied to all the other profiles.

Enable automatic profile selection for appointments

With the Profile Controller displayed on the Today Screen, tap the check box next to Auto. When the box has a check mark in it, the device will use the information about appointments in your Calendar to switch automatically between the Normal and Meeting profiles at the set times.



Let the Profile Controller take charge

The profile selected in Profile Controller will take priority over volume and ringer settings you might have chosen previously on other settings pages, such as in Sounds & Notifications.

In addition, the profile selected in Profile Controller will be re-applied every time you turn on the device provided that you have chosen to display the Profile Controller on the Today screen.



TIP: If you do desire later adjustments to the volume and ringer settings to persist when you shut down the device, either make the changes within the Profile Controller or, alternatively, prevent the Profile Controller from re-applying its own settings at start-up by removing the Profile Controller from the Today screen.

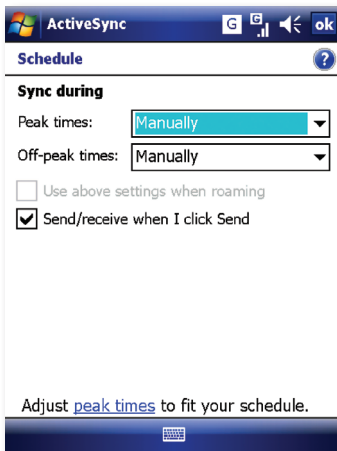
Rotate the display

The profile controller also allows you to rotate the display, swapping conveniently between landscape and portrait orientations. With the Profile Controller displayed on the Today Screen, tap the 90° rotation symbol which is found to the far right of the profile name. Left-handed and right-handed landscape orientations are included.



Control your Microsoft Exchange push mail with a single tap

If you have already configured push mail on your device to synchronize items with a Microsoft Exchange server, an additional envelope icon is visible on the Today screen in the Profile Controller area. Tap this icon to enable or disable push mail. When the icon is turned gray, it is the same as choosing to sync 'Manually' in ActiveSync > Menu > Schedule... but faster and easier to set. When the icon is turned back to color, push mail is re-enabled and this is the same as choosing to sync 'As items arrive' in ActiveSync > Menu > Schedule...



NOTE: Another form of push mail is supported by the latest version of Windows Live. The settings for Windows Live push mail are independent from the above and are not modified by the Profile Controller. To access the settings for Windows Live, instead tap Start > Programs > Windows Live > Menu > Options > Sync Schedule and then choose the Sync frequency.

Further Help

There is some built-in help which you can refer to while within the Profile Controller:

- **Tap Menu > Help.**



Make a Call

Receive a Call

Video Telephony

In-Call Options

Special Dialling Requirements

Additional Settings

Using Your Phone **Chapter 3**

MAKE A CALL

Like a standard mobile phone, you can use your i-mate Windows Mobile Professional Phone to make, receive and keep track of calls. You can also take notes while talking, dial directly from Contacts and easily copy SIM/USIM contacts to Contacts on the device.

In order to make calls, you will need to insert your SIM/USIM card into the device as described in Chapter 1. Most SIM/USIM cards are preset with a PIN (personal identification number), provided by your wireless service provider. If this option is enabled in your SIM/USIM card, you will be prompted to enter the PIN when the unit is switched on.

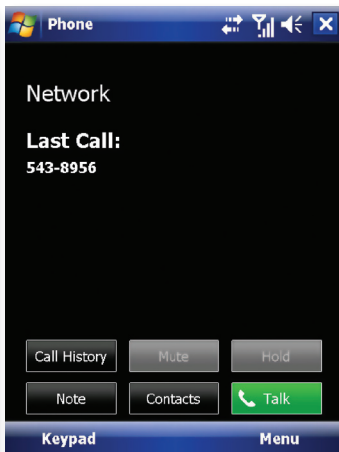
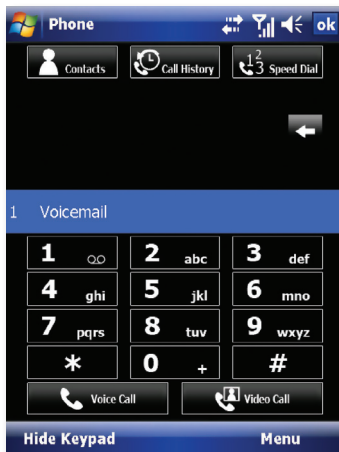


NOTE: If your PIN is entered incorrectly three times, the SIM/USIM card will be blocked. If this happens, you can unblock it with the PUK (PIN Unblocking Key) obtained from your wireless service provider.

You can make a call from Phone, Contacts, Speed Dial, Call History and SIM/USIM Manager.

Make a call from the Phone screen

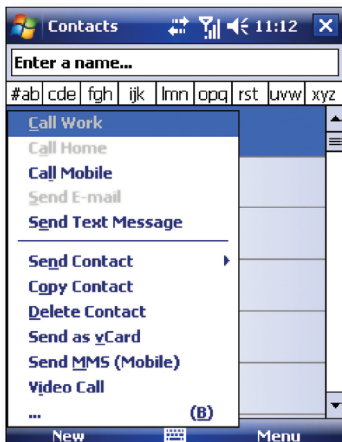
1. To open the Phone screen, either use the stylus to tap  Start > Phone or press the  button.
2. On the Phone screen, tap the desired phone number and then tap Voice call or press the  button.



Make a call from the Contacts screen

1. Tap  Start > Contacts.
2. To search for a contact, enter the desired name and number in the search field, or tap the letter corresponding to the name in the alphabet bar.
3. Tap the desired contact and tap Call or press the  button.

You can also tap the desired contact in the Contacts list and tap the phone number that you want to call. Or, tap and hold the desired contact. On the shortcut menu, tap Call Work, Call Home, or Call Mobile.

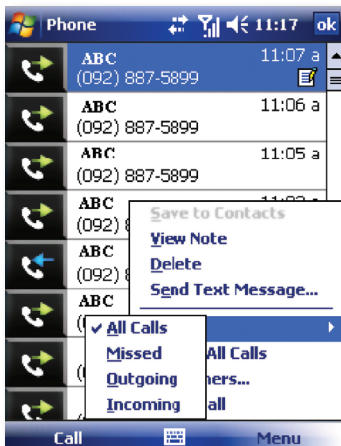


By default, the mobile telephone number (m) of a contact is dialed when you make a call from Contacts. However, you can specify that a different phone number is used instead.

1. Tap  Start > Contacts.
2. Press the Navigation Pad or the Scroll wheel up or down to select the contact.
3. Press the Navigation Pad left or right. The letters representing the number will change as you scroll through them.

Make a call from Call History

1. On the Phone screen, tap Call History.
2. Tap Menu > Filter and tap a category.
3. Scroll to the desired contact or phone number and tap Call or press the  button.



Make a call from Speed Dial

Use Speed Dial to call frequently-used numbers with a single tap. For example, if you assign a contact to Location 2 in Speed Dial, you can tap and hold it on the Phone screen to dial the contact's number. Before you can create a Speed Dial entry, the number must be in Contacts. To create a Speed Dial entry:

1. On the Phone screen, tap Speed Dial.
2. Tap Menu > New.
3. Tap a contact. Tap the phone number for which you want to create a Speed Dial entry.
4. In the Location box, select an available location for the new Speed Dial entry.



Make an emergency call

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



NOTE: If the network operator allows it, Emergency calls can be placed at any time, without requiring a PIN. The ability to make emergency calls depends on network availability.

Receive a Call

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

1. To answer the call, tap Answer or press the  button.
2. To reject the call, tap Menu > Ignore (or Ignore with text) or press the  button.



TIP: Ignore with text is a feature which allows you to quickly compose a text message to the calling number. Depending on your service provider and network settings, note that the caller may also be invited to leave voice mail.

End a call

Once an incoming or outgoing call is in progress, you can tap End or press  to hang up.

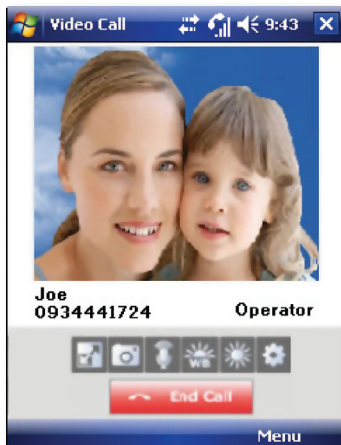


VIDEO TELEPHONY

When you make a video call, you can see a real-time, two way video between you and the recipient of the call. The live video image, or video image captured by the camera in your device is shown to the other party in the video call.

To be able to make a video call, you must have a USIM card and be in the coverage of a UMTS (3G) network. For availability of and subscription to video call services, contact your service provider.

A video call can only be made between two parties. The video call can be made to a compatible mobile device or a fixed line ISDN terminal. Video calls cannot be made while another voice, video, or data call is active.



Set up Video Call

1. On the Phone screen, or on the screen of the active video call, tap Menu > Video Call Settings.
2. On the General tab, do one of the following:

- Self Image Source.

Choose whether to show your camera's view by default. You can also choose to show a still image instead - see Alternative Image below.

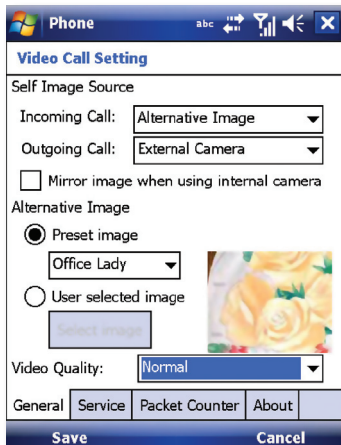
- Alternative Image

Choose to display the built-in image or any picture you like.

- Video quality

Decrease or increase the amount of data needing to be transferred by choosing Normal, Economy or Fine video quality. The Economy setting places the lowest demand on data transfer and the Fine setting places the highest demand.

If you pay for data per Megabyte (MB) transferred, note that these settings will also have an impact on cost.



3. Service

To set up further calling options for Video Calls, tap the Service tab.

On the Service screen, select the desired service from the list, and then tap Get Settings to access its settings.

IN-CALL OPTIONS

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.

- Tap **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, tap **End** or press the  button on your device.

To switch between calls, tap **Swap** or press the  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. Tap **Menu** > **Conference**.



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

Turn on and off the speakerphone

The built-in speakerphone on your device allows handsfree operation or lets other people listen to the conversation. To activate the speakerphone mode, tap **Speaker On** in the Phone screen. The speakerphone icon  will appear in the title bar. To turn off the speakerphone, tap **Speaker 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, tap **Mute** in the Phone screen, or hold down volume **"-"** button for 2 seconds..

- When the microphone is turned off, the mute icon will appear on the screen.
- Tap **Unmute** to turn on the microphone again, or hold down volume **"-"** button again for 2 seconds.

SPECIAL DIALLING REQUIREMENTS

Insert a pause in a dialling sequence

Calls to certain networks may require a pause in between the dialled digits:

1. Tap  Start > Contacts.
2. Click the contact whose phone you want to insert a pause and tap Menu > Edit.
3. Select the phone number and add a 'p' character where you want to insert an automatic 3 second pause.
4. Select the phone number and add a 'w' character where you want to insert a manual pause, if applicable. (To resume dialling after reaching a manual pause during a number string, you will press .)
5. Tap ok.

Insert an International Country Code

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

Use the Input Panel to enter a (+) sign. Then enter the country code and the rest of the number.



TIP: On the keyboard version of the Input Panel, press Shift in order to reveal the symbols in place of the numeric keys.

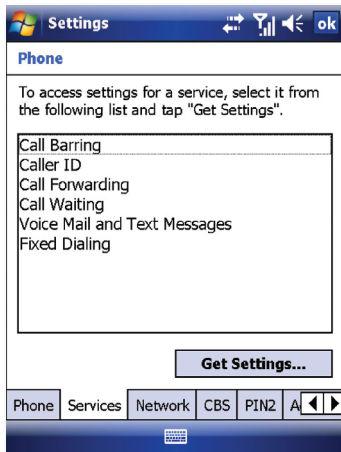
ADDITIONAL SETTINGS

Phone services

Phone Services, such as Call Waiting, enable you to choose how to handle all incoming calls on your device.

Choose services

1. Tap  Start > Settings > Personal tab > Phone > Services.
2. Tap the service you want to use and tap Get Settings.



Networks

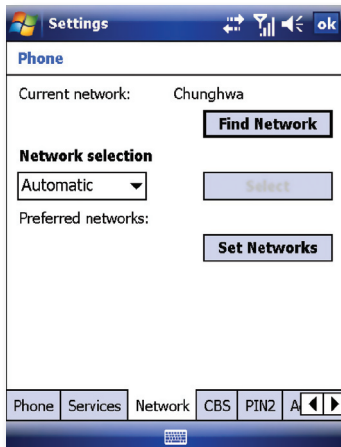
You can view available wireless networks, determine the order in which your device accesses another network if the current one is unavailable, and specify whether you want to change networks manually or automatically.

Change phone network settings

1. Tap  Start > Settings > Phone > Network tab.
2. By default, your device displays the current network as offered by your service provider. You can customise this to your preferred network.

Set preferred networks

3. Tap  Start > Settings > Phone > Network tab. By default, network selection field is set to Automatic. However, you can set it to Manual to choose your own network at any point of time.
4. Tap Set Networks.
5. Select the networks in Choose network and sort them according to your preference.
6. Tap OK.



Automatic Setup of Your Data
Connections

Manual Setup of Your Data
Connections

Beam

Bluetooth

Connect to a Wireless LAN

Getting Connected **Chapter 4**

AUTOMATIC SETUP OF YOUR DATA CONNECTIONS

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 information to be sent and received across a mobile telephone network.

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



NOTE: 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.

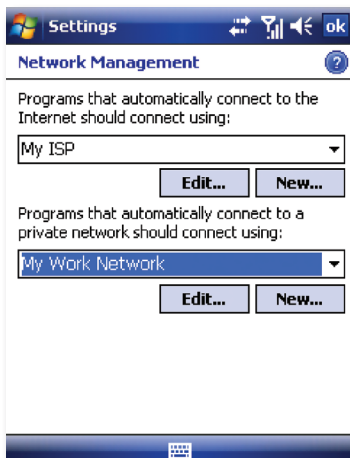
MANUAL SETUP OF YOUR DATA CONNECTIONS

You can set up connections to the Internet or to a corporate network and exchange e-mail or instant messages.

Your device has two connection setting categories: My ISP (Internet Service Provider) and My Work Network. The My ISP settings are used to connect to the Internet, and the My Work Network settings can be used to connect to any private corporate network. In particular, if you will need to enter proxy server settings, this can be done for My Work Network.

To ensure that both My ISP and My Work Network connections are displayed:

- Tap  **Start** > **Settings** > **Connections tab** > **Connections** > **Advanced tab** > tap the **Select Networks** button.
- From **Programs that automatically connect to the Internet**, select **My ISP**.
- From **Programs that automatically connect to a private network**, select **My Work Network**.

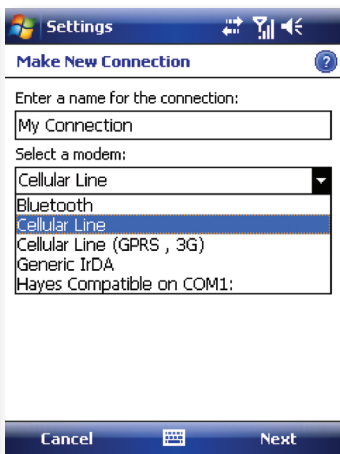
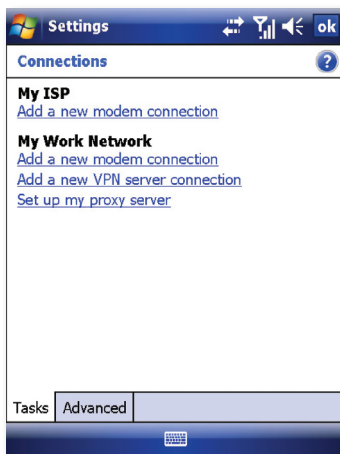


Connect to the Internet via ISP

Obtain the following information from your ISP:

- Access point name or server phone number.
- User name (if required).
- Password (if required).
- Domain (if provided by an ISP or a network administrator).
- Proxy settings (if required).

1. Tap  Start > Settings > Connections tab > Connections.
2. Tap Add a new modem connection.
3. Enter a name for the connection.
4. Select a modem from the list. For example, if you want to use the mobile phone network, select Cellular Line or Cellular Line (GPRS, 3G).
5. Tap Next. Enter the Access Point Name (APN) or number exactly as it should be dialed.
6. Tap Next. If you need to enter fixed IP or DNS/WINS addresses for your network, tap Advanced.
7. Complete the Connection Wizard by entering the required information and tapping Finish.

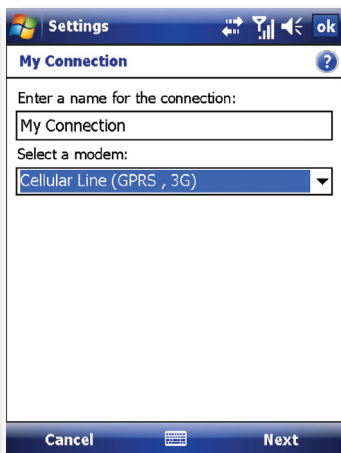


Connect to a private network

If it is a Virtual Private Network (VPN), refer to the section on VPN below. For other private networks, obtain the following information from your provider: Access Point name or server phone number, user name (if required), password (required), domain (if provided by an ISP or a network administrator) and proxy settings (required).

1. Tap  **Start** > **Settings** > **Connections** tab > **Connections**.
2. In **My Work Network**, tap “Add a new modem connection.”

Enter a name for the connection and select the modem type that will be used for it (e.g. Cellular Line (GPRS, 3G)).



3. Tap Next and enter the information according to the type of connection. If you need to enter a fixed IP and/or DNS/WINS addresses for your network, or to disable compression, tap Advanced

- Once finished, tap on “Set up my proxy server”, and enter the Proxy Information, including any WAP Proxy required by the operator if setting up a connection to their WAP site.

Settings [Signal] [ok]

My Connection [?]

User name:

Password:

Domain:*

* If provided by ISP or network administrator.

Advanced...

Back **Finish**

Settings [Signal] [ok]

Advanced [?]

☐ Use server-assigned addresses

☒ Use specific server address

DNS: . 0 . 0 . 0

Alt DNS: . 0 . 0 . 0

WINS: . 0 . 0 . 0

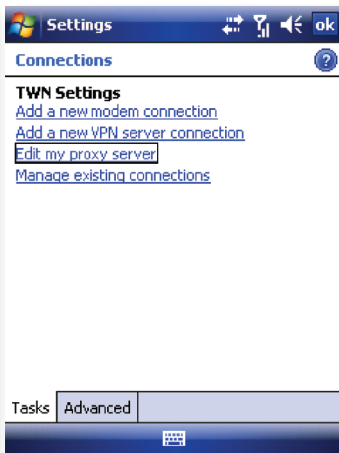
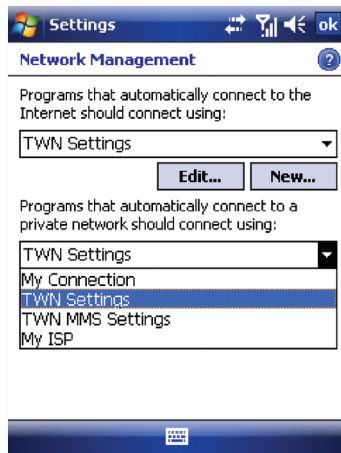
Alt WINS: . 0 . 0 . 0

TCP/IP Servers

123	1	2	3	4	5	6	7	8	9	0	=	←
Tab	q	w	e	r	t	y	u	i	o	p	[]	
CAP	a	s	d	f	g	h	j	k	l	;	'	
Shift	z	x	c	v	b	n	m	,	.	/	←	
Ctl	á	ü	`	\						↓	↑	→

Back **Finish**

- “My Work Network” might have a different name, e.g. the name of your workplace, if you have chosen to customise it elsewhere.
- “Setup my proxy server”, located under My Work Network, changes to “Edit my proxy server” once proxy settings have been entered.

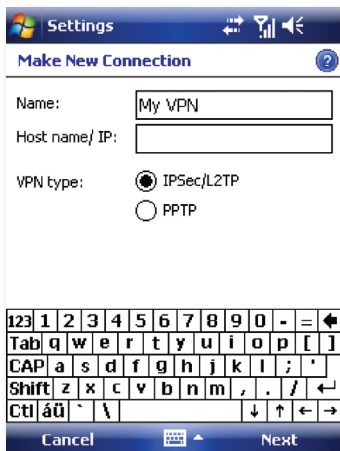


Connect to a VPN using the Internet

Please ensure first that you have a successful GPRS connection set up. The VPN connection uses the existing Internet connections to connect to your work network. Please see also the next section “Connect to Intranet URLs” for further information on this subject.

Every network connection is different. You should gather all the relevant information or network settings you need before starting this process. This includes VPN type (IPSec/L2TP or PPTP), host name/IP, any pre-shared key, user name, password, domain (If provided by an ISP or a network administrator) and fixed IP address (if required).

1. Tap  Start > Settings > Connections tab > Connections.
2. In My Work Network, “My Work Network” might have a different name, e.g. the name of your workplace, if you have chosen to customise it elsewhere, tap “Add a new VPN server connection.”
3. Enter a name that you would like to use for this connection.
4. In Host name/IP: enter the VPN server name or its IP address.
5. In VPN type, select the type of VPN.
6. Tap Next.
7. For authentication, if you selected IPsec as the VPN type, either select and enter a pre-shared key or select “A certificate on this device.”
8. Tap Next.
9. In User name, enter your user name for the VPN. In Password, enter your password. In Domain, enter the domain name, if one is required.
10. If you need to enter a fixed IP and/or DNS/WINS addresses for your VPN, or to disable compression, tap Advanced.
11. Complete the VPN wizard and tap Finish.



Settings 

Make New Connection 

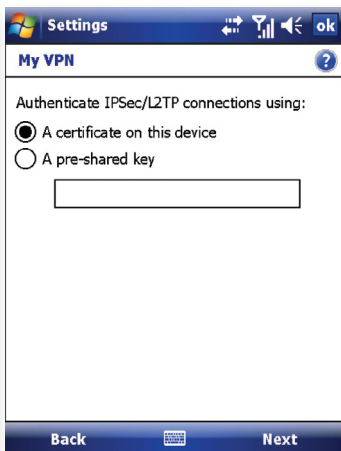
Name:

Host name/IP:

VPN type: ☒ IPSec/L2TP ☐ PPTP

123 1 2 3 4 5 6 7 8 9 0 - = < >
 Tab q w e r t y u i o p []
 CAP a s d f g h j k l ; ' < >
 Shift z x c v b n m , . / < >
 Ctl á ü ` \ _ < > < >

Cancel  Next



Settings  **ok**

My VPN 

Authenticate IPSec/L2TP connections using:

☒ A certificate on this device

☐ A pre-shared key

Back  Next

Connect to an Intranet URL

If you want to connect to intranet sites that have periods in their URLs (for example, intranet.companyname.com), you must add them to the Work URL Exceptions list.

1. Tap  **Start** > **Settings** > **Connections** tab.
2. Tap **Connections** > **Advanced** tab > **Exceptions**.
3. Tap **Add new URL**.
4. In **Work URL**, enter the intranet URL.

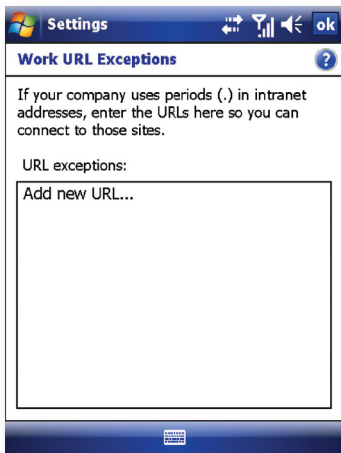
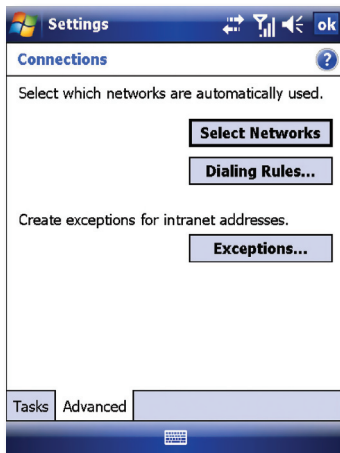


TIP: If you use many URLs that share the same root company name, you can avoid entering them individually by entering *.companyname.com.



NOTE: Separate multiple URLs with a semicolon.

You should not create URL exceptions for URLs on the Internet. An Intranet URL can be either an IP address or FQDN (Fully Qualified Domain Name).

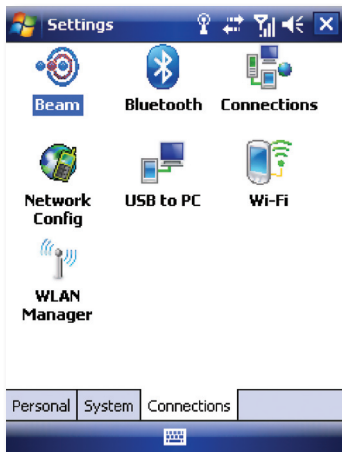


BEAM

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

By default, the option to receive incoming beams is disabled for security and battery conservation. Make sure that Receive All Incoming beams is enabled in:

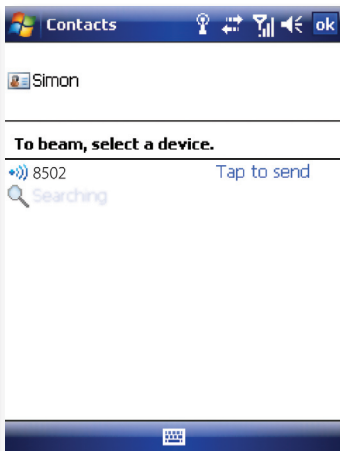
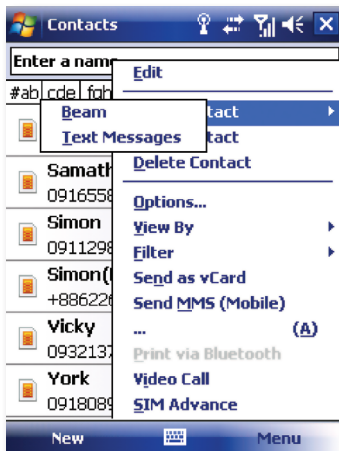
-  **Start > Settings > Connections tab > Beam.**



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.
2. Different applications have different ways of beaming:
 - In Calendar, tap Menu > Beam.
 - In Contacts, tap Menu > Send Contact > Beam.



3. Via Bluetooth, select the device to which you want to send the item.
4. Tap on Tap to Send.



NOTE: Not every Bluetooth®-enabled product is able to accept beamed information; it depends on the Bluetooth® Profiles it supports.

BLUETOOTH

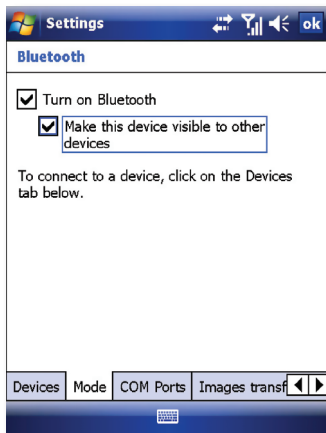
Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange information over a distance of about 10 meters without a physical connection. You can even beam information to a device in a different room as long as it is within the Bluetooth signal coverage range.

The software included with your device allows you to use Bluetooth in the following ways:

1. Beam information such as files, appointments, tasks and contact cards between devices that have Bluetooth capabilities.
2. Use a Bluetooth headset.

Turn Bluetooth on or off

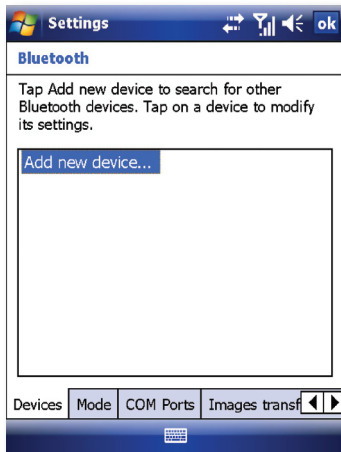
1. Tap  Start > Settings > Connections tab > Bluetooth.
2. In Mode tab, select Turn on Bluetooth.
3. Check the Make this device visible to other devices box if you want your device to be visible to other Bluetooth users within a range of approximately 10 meters.
4. Tap OK. The Today screen displays the Bluetooth "📶: On" to indicate that Bluetooth is turned on.



Create a Bluetooth partnership

A Bluetooth partnership is a relationship that you create between your device and another Bluetooth enabled device in order to exchange information in a secure manner. Creating a partnership between two devices involves entering the same personal identification number (PIN) or Passkey on both devices. Creating a partnership between two devices is a one-time process. Once a partnership is created, the devices can recognize the partnership and exchange information without requiring a PIN. Make sure the two devices are within a range of 10 meters from one another and that Bluetooth is on and discoverable.

1. Tap  **Start** > **Settings** > **Connections** tab > **Bluetooth**.
2. In **Device** tab, tap **Add new device**. Your device searches for other Bluetooth devices and displays them in the box.

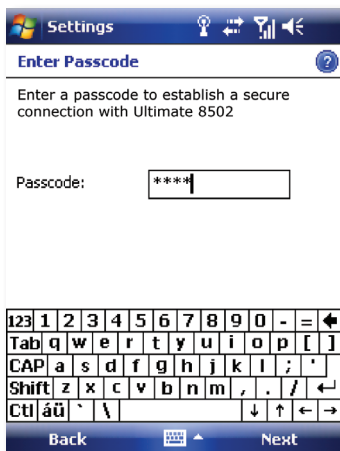


3. Tap the desired device name in the box and tap Next.



4. Enter a passkey to establish a secure connection. The passkey must be between 1 and 16 characters. With some Bluetooth-enabled accessories, such as a headset, the accessory manufacturer may have built in a fixed pass code which must be used by both devices; please refer to the accessory's instructions for use.

5. Tap Next.



6. Enter the same passkey that is entered on the other device. You can, however, edit and enter a new name for the other device.

7. Tap Finish after checking the services offered by the other Bluetooth device.



The services available in Partnership Settings will depend on which Bluetooth Profiles the two devices have in common.

Accept a Bluetooth partnership

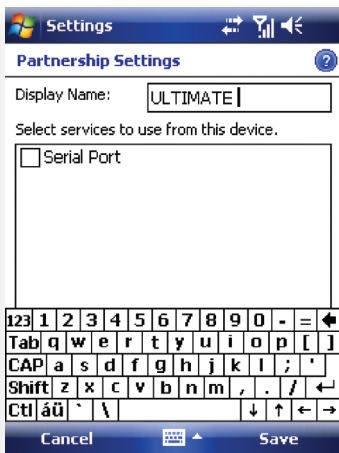
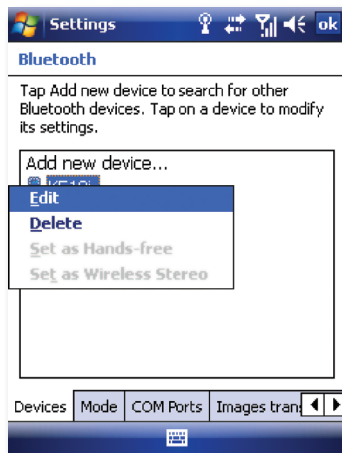
1. Ensure that Bluetooth is turned on and discoverable.
2. Tap Yes when prompted to establish a partnership with the other device.
3. Enter a passkey (the same passkey that is entered on the device requesting the partnership) to establish a secure connection. The passkey must be between 1 and 16 characters.
4. Tap Next.
5. Tap Finish. You can now exchange information with the other device.

Rename a Bluetooth partnership

1. Tap  Start > Settings > Connections tab > Bluetooth > Devices.
2. Tap and hold the partnership on the Devices tab.
3. On the shortcut menu, tap Edit.
4. Enter a new name for the partnership.
5. Tap Save.

Delete a Bluetooth partnership

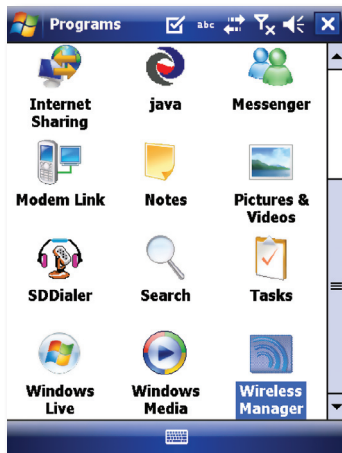
1. On the Today screen, tap  Start > Settings > Connections tab > Bluetooth.
2. Tap and hold the partnership on the Devices tab.
3. Tap Delete from the shortcut menu.



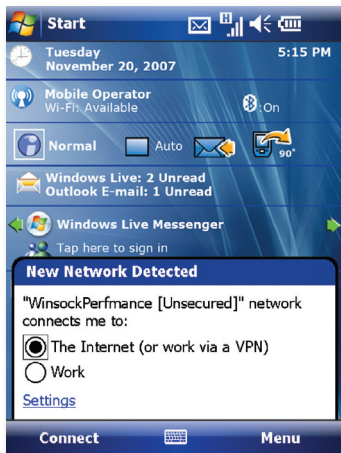
CONNECT TO A WIRELESS LAN

Connect to a Wi-Fi network

1. On the Today screen, tap  Start > Programs > Wireless Manager. You may also access Wireless Manager from the Today screen.
2. Tap Wi-Fi icon to turn the Wi-Fi function on or off.



3. When the Wi-Fi function is turned on, the device will start scanning for available networks and will prompt the user to select one. Select whether this network is used to connect to The Internet or as a Work connection and enter the password for this access point, if requested.

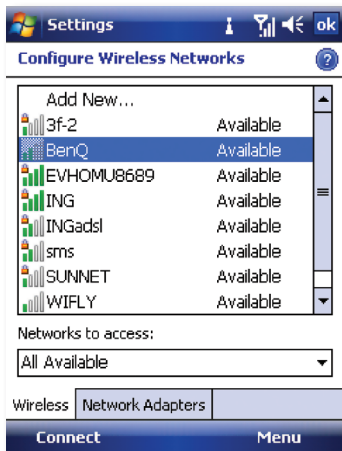


4. To configure the required settings on the Wireless Manager screen, tap Settings next to each of the wireless functions. When the configuration is completed, you can connect to a Wi-Fi network using your device.

Check Wireless LAN status

You can check the current wireless connection status from the following screens of your device:

- Tap  Start > Settings > Connections tab > Wi-Fi or tapping the  icon on the title bar provides information about the connection status and signal quality for the current connection.

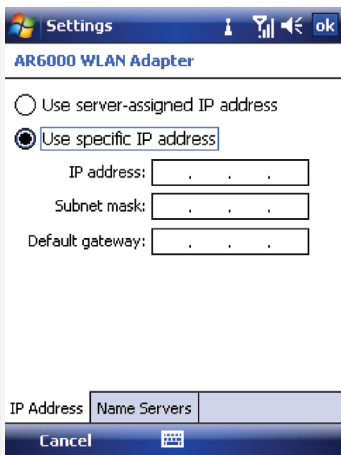
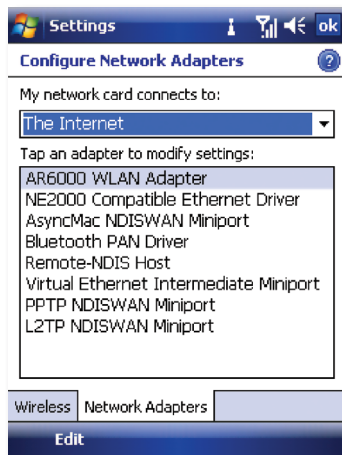


- To manually configure your connection, tap  Start > Settings > Connections tab > Wi-Fi > Wireless tab. This screen displays the wireless networks currently available and allows you to change the connection settings and create new connections to other access points not broadcasting their SSIDs.

To use a fixed IP address with a Wireless LAN

Most Wireless LANs are configured to support dynamic addresses. However, if you require a fixed IP address, do the following:

1. Tap  Start > Settings > Connections tab > WiFi > Network adapters tab.
2. Tap an adapter to modify settings.
3. Select the IP address tab to enter a fixed IP address.
4. Select the Name Servers tab if you need to supply addresses for the DNS or WINS servers.



On <http://www.imate.com> you can find step-by-step guidelines for connecting your device to public and private Wi-Fi access points. Those guidelines are also available in the CD that came with your device.

Text Messaging

MMS

E-mail

Windows Live

Messaging **Chapter 5**

This chapter describes how you can create or delete, send or receive, and organise or store your messages in the phone. The following types of messages are all stored under the Messaging Application:

- Text messages (SMS – Short Message Service)
- Multimedia messages (MMS)
- E-mail messages
- Windows Live Messenger
- Windows Live Hotmail

Overview of Messaging folders

Each Messaging account has its own folder hierarchy with five default Messaging folders: Inbox, Outbox, Deleted Items, Drafts, and Sent Items. The messages you receive and send through the account are stored in these folders. You can also create additional folders within each hierarchy.

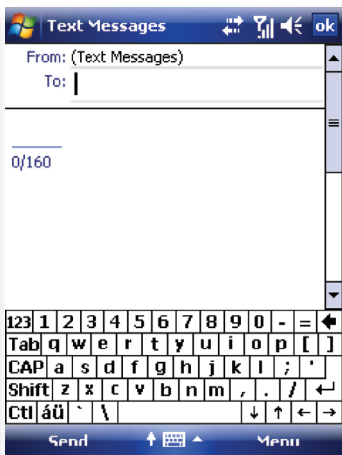
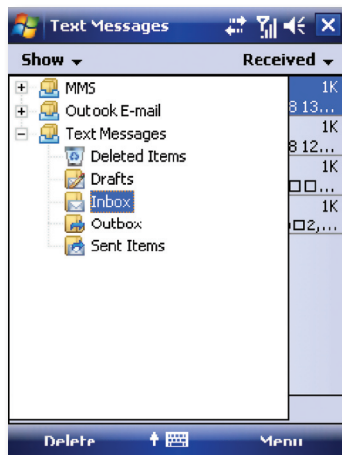
The behavior of the folders you create depends which type of Messaging account they are for and the behavior of the Deleted Items and Sent Items folders depends also on the Messaging options you choose.

TEXT MESSAGING

Text Messaging 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 accents or other special characters are used. Your device will automatically join multiple texts together.

Create a text message

1. On the Today screen, tap  Start > Messaging.
2. Select an account from the list. You are automatically taken to the Inbox of the chosen account.
3. From the bottom of the screen, press Menu > New.
4. In the To: field, enter the mobile phone number of the recipient. Insert a semicolon (;) between multiple recipients. You may also choose a contact by pressing Menu > Add Recipient.
5. Tap Send. Text messages are sent immediately.





NOTE: In the “To:” field, you can enter phone numbers from your contact cards quickly. Press the Action button when the cursor is in this field. A new screen displays the contact list for your selection. Press the Action button again for the selection and the phone returns to the SMS text message screen. Repeat this for all contacts you wish to send the SMS to.

Cancel a text message

- **To cancel a message, tap Menu > Cancel Message.**

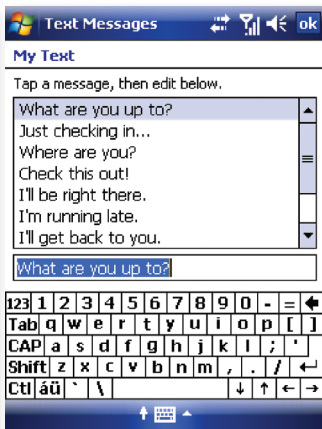
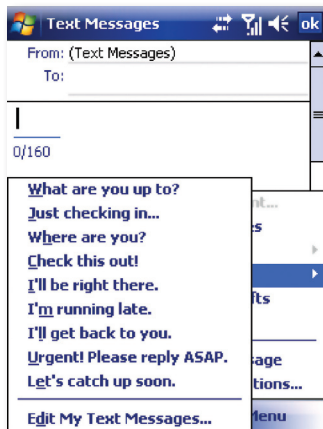
Get delivery notifications

If you require Delivery notifications, in the message creation screen tap Menu > Message Options... and check the Request message delivery notification box.

Insert predefined text into a message

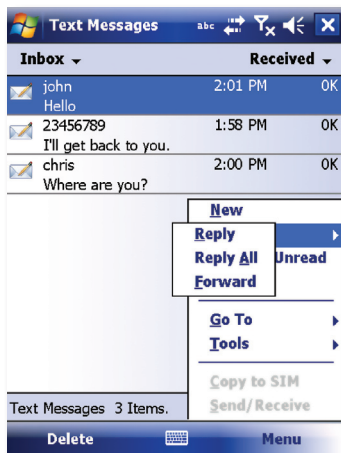
To save time when entering text, you can insert predefined text into messages.

1. Tap Menu > My Text.
2. Select the text you want to insert by tapping the phrase you wish to insert.
3. To edit a My Text message, tap Menu > Edit My Text Messages. Select the message you wish to edit and make desired changes.



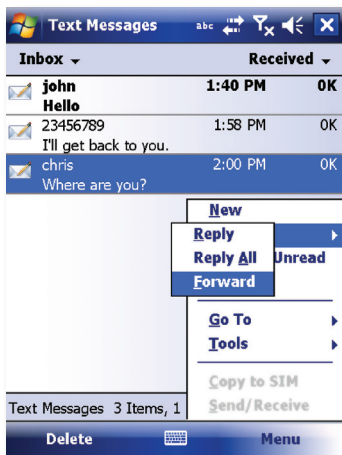
Reply to and Forward a message

1. From the text message inbox or from an open message, tap Menu > Reply > Reply or Reply All or, from an open message, tap Reply (bottom left corner).
2. Enter a message in the message area.
3. Tap Send.



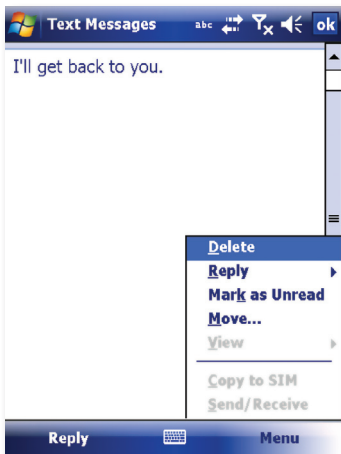
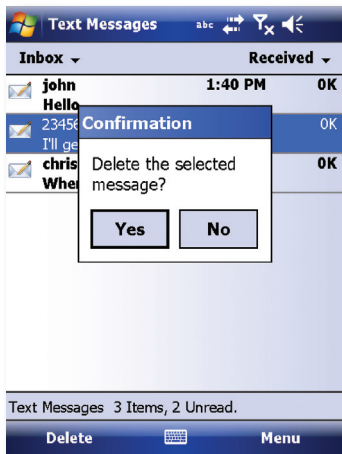
Forward a message

1. From an open message or from the text message inbox, tap Menu > Reply > Forward.
2. Enter a message in the message area.
3. Choose a recipient to send the message to. Type in the name or tap Menu > Add recipient.
4. Tap Send.



Delete a message

1. On the Today screen, tap  Start > Messaging and select an account.
2. Select the message to delete.
3. Tap Delete or press the Left Soft Key.



MMS

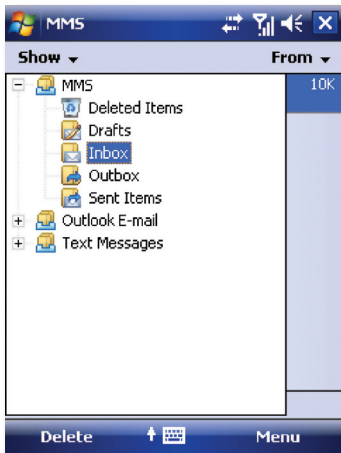
Creating and sharing MMS messages with your friends and family is easy with your device. You can even use the device's camera to capture photos while composing a new MMS message, and send them along it.

If your network operator settings are recognized when your device first boots up with the SIM card installed, MMS settings should be configured automatically. If you need to set up MMS manually, however, please refer to Set up an MMS account at the end of this section.

Getting started

MMS Composer is an integrated part of your device's Messaging functionality.

- Tap  Start > Messaging and then select "MMS" to view your message boxes:

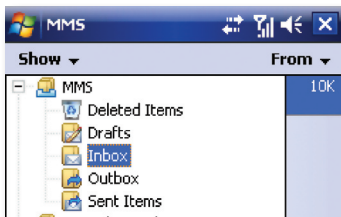


Exiting MMS Composer

To quit, tap the "X" in the top-right corner of the screen while viewing any message box or press OK key.

Message boxes

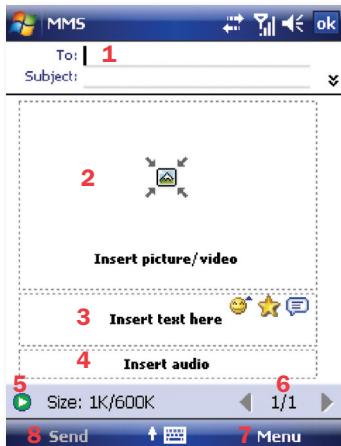
Select the MMS message box that you wish to view:



- Deleted Items: Contains messages you discard.
- Drafts: Stores work-in-progress messages.
- Inbox: Stores messages that you receive.
- Outbox: Stores messages that are currently being sent, or those that were unable to be sent.
- Sent Items: Stores messages that have been successfully sent.

Creating a message

MMS messages are created by combining various slides. Each slide can consist of a photo or video, audio, and text. Select “New” from the menu of any message box screen to compose a new message.* Here is an overview of the MMS creation screen:



1. Tap these areas to manually input your address and message subject. Tap “To:” to select a contact from your address book. Tap the double down arrow to view the Cc and Bcc fields.
2. Tap here to insert a photo, picture or video.
3. Tap here to input text in the message.
4. Tap here to insert an audio clip.
5. Tap here to play the message.
6. The message size and the slide number are shown here.
7. The menu lets you do a variety of things (explained later).
8. When you are ready to send your message, tap here.

We shall discuss the specifics of including a photo/video, text, and audio. We'll also take a closer look at the menu.

If you would like to choose a pre-made message template instead of adding components yourself, you can use: Menu > Template > New from template...



NOTE: You may not automatically be taken to a blank message. If you are instead taken to a page that displays pre-made templates, choose the template you want. If you would prefer to create a blank message next time, check the “Always choose custom” box.*

Adding a photo or video

You can add either a still image or a video clip to each individual slide. After you have tapped the area to add a photo or video, you will be allowed to select exactly what you want to include.



1. This pull-down lets you select a specific location that contains photos/videos.
2. Tap the specific photo or video clip that you want to add.

- Tap and hold on an image to see the “Add to Message”, “Large View”, “File Info” and “Delete” options. “Add to Message” adds the selected photo/video to the slide. “Large View” displays individual photos or videos. “File Info” displays the file name, resolution, date, and size of a photo. When you are viewing video file information, the duration of the video is also listed. “Delete” deletes the file.
- Tap “Select” to add the selected photo/video to the slide. Or tap the “X” in the top-right corner of the screen return to the previous screen.

The following options are available:(tap the relevant icon at the bottom of the screen):

Icon	Description
	Displays photos/videos as a file list.
	Displays thumbnails (as shown here).
	Displays individual photos.
	Lets you take a new picture.*
	Lets you capture a new video.*

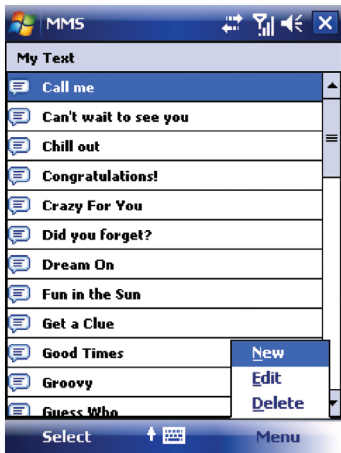
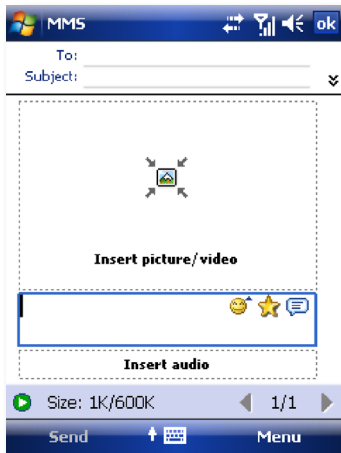
*May not be available in all versions.



Adding text

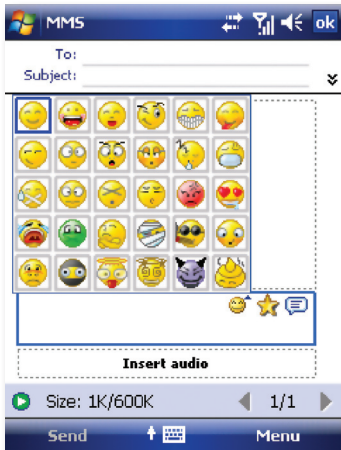
You can add text to any slide. You can either enter in new text with the keyboard, or use “My Text.” For predefined phrases. You can also insert an emoticon icon or a favorite website link into your message.

- Tap the My Text icon to see a list of pre-saved text messages. Tap the one you want, and then tap “Select” to add it into the message.
- Tap “Menu” in the My Text screen to view editing options:

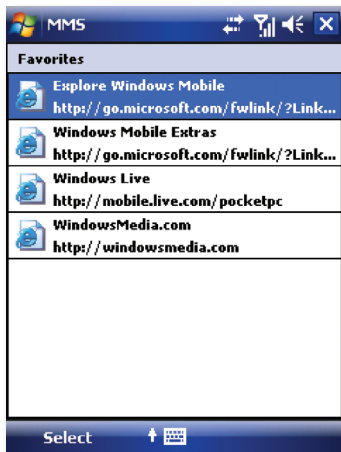
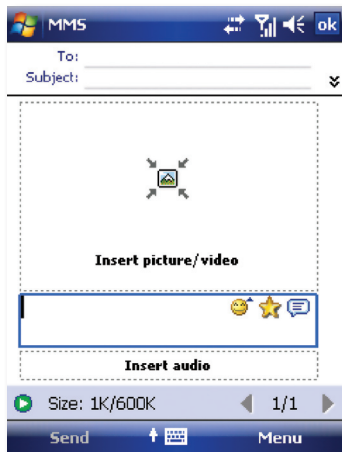


- **New:** Lets you enter in a new saved phrase.
- **Edit:** Lets you modify an existing saved phrase.
- **Delete:** Removes the selected phrase from the list.

- Tap the smiling face icon to see a table of Emoticon icons. Tap the one you want to add it into the message.



- Tap the star icon to see a list of favorite links. Tap the one you want, and then tap “Select” to add it into the message.



Adding audio

Single audio clips can be added to each slide. You can either include an existing sound file, or record a new one. Tap the Insert audio area.



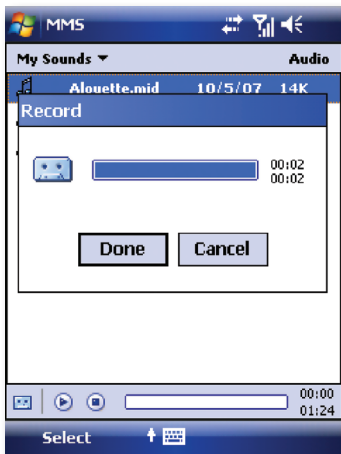
1. From the pull-down, select a location that contains audio files.
2. Tap the file you wish to add.

You can view file information similarly to photos and videos. Tap and hold on a file, then choose “Play Audio,” “File info” or “Delete.” The file name, duration, date, and size are shown when you select “File info.” You can also choose to delete the file.



You can use the playback controls to preview the audio:    (Play/ Pause and Stop controls are available).

Highlight a file then tap “Select.” Or tap the “X” in the top-right corner of the screen return to the previous screen.

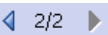


Icon	Description
	Tap this button to activate controls that allow you to record new audio.
Record	Tap this button to begin recording.
Done	Tap this button to add this record file to message.
Stop	Tap this button to stop recording.
Cancel	Cancel record file or play/add the record file.
Play	Tap this button to play your recorded file.

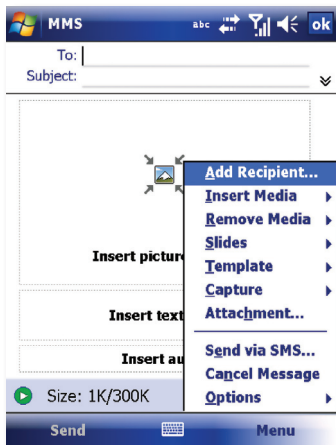
Menu commands

The following commands are available along the bottom of the MMS creation screen:



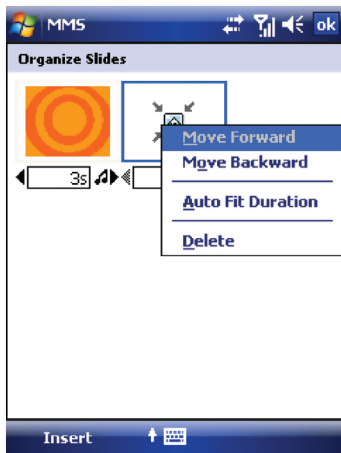
Icon	Description
	Tap here to preview your message.
	Takes you to the previous slide.
	Takes you to the next slide.
	The first number indicates the current slide you are viewing. The second indicates the total number of slides. Tap here to see a pop-up list of slides; tap the number you wish to see.

Menu items



Item	Description
Add Recipients	Choose and add recipients from your address book. (The option is only available when you are in the "To" field or the text input field.)
Insert Media	Insert a picture/video, audio track, or My Text into the current slide. This works the same as doing it on the slide directly.
Remove Media	Delete the picture/video, audio track, or text from the current slide. (The option is not available if you have not inserted media.)
Slides	Insert a slide or delete the current slide. You can also press "Organize Slides..." to arrange the slide order and display the duration of each slide.
Template	Choose "New from Template..." to create a message with preset content. Choose "Save as Template" to save your current message as a new template.
Capture	Take a picture, or record video. (Some or all these options may not be available).
Attachment	Attach a vCard or vCalendar (from the menu, select the type of file you wish to attach.) You can delete any attachment as well.
Send via SMS	Sends the text content to the recipient via SMS.

Item	Description
Cancel Message	Cancels the creation of the message.
Options	Set the following options of the message.
Background	Choose a background color for the slide.
Text Layout	Choose a layout for the text in the slide.
Text Size	Choose small, normal or large text.
Text Color	Choose a color for the text.
Text Background	Choose a background color for the text.
Send Options	Here you can view and edit your send preferences. (See next Section "Send Options" for more information)



- Tap and drag a slide to move it to a different spot in the sequence.

- Tap the directional arrows beneath each slide to increase or decrease the display time.
- Tap and hold for more options (move forward/backward, auto fit duration (adjusts duration to match audio length,) delete.

Send Options

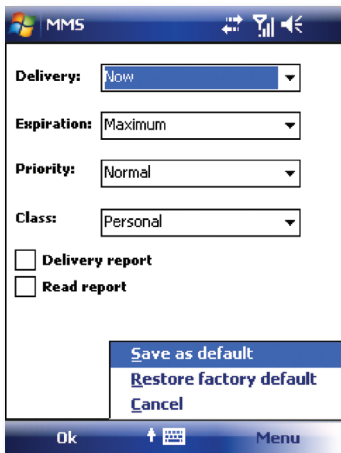
From the “Delivery” pull-down, select when you would like to deliver the message.

From the “Expiration” pull-down, select how long you would like the message to be stored on the server. The server will stop attempting to deliver the message after the set time expires.

- **Set the message priority from the “Priority” pull-down.**
- **Set the message class from the “Class” pull-down.**

Delivery report / Read report: By checking these boxes, you will be notified when your message is delivered and read, respectively.

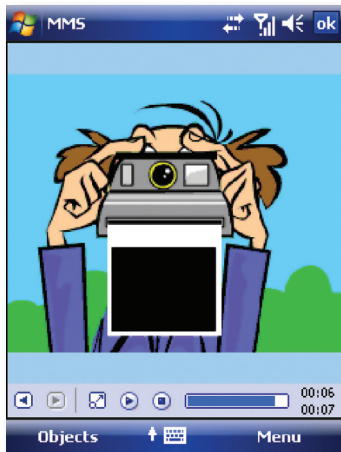
- Tap “Menu” to choose “Save as default” or “Restore factory default.” Choose “Cancel” to return to the previous screen.
- Send - Sends the message.



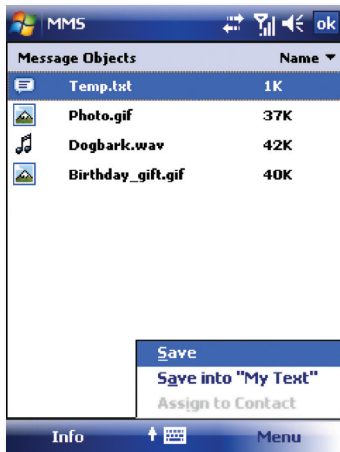
Viewing messages

When viewing messages that you receive or send, or when previewing a message you are working on, you have a variety of options.

- Use the Play/Pause/Stop buttons to view the message. Use the  button to display the message in full screen mode. Use the Left/Right Arrow buttons to skip among the various slides (if applicable.) You do not need to watch the message straight through; you can skip among the various slides.
- Tap “Menu” to view detailed information about the message. When you play a received message, you can reply to the message via SMS/MMS by choosing “Reply via SMS/MMS.”



Tapping “Objects” displays a list of all the message components. Tap any component to open/view it.

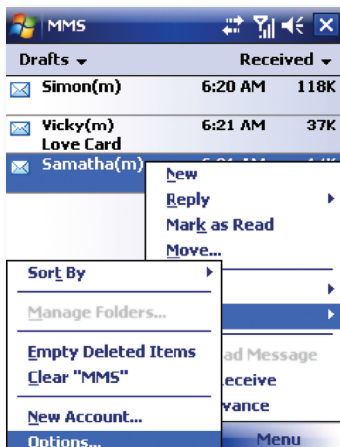


In Objects

Item	Description
Info	Displays the file name, resolution/duration, date, and size of an object.
Menu	Contains follow items.
Save	Stores the current selected object.
Save into “My Text”	Saves the text into the “My Text” list.
Assign to Contact	Lets you associate the selected image file as a caller ID or audio file as ringer ID. (Not always available.)

MMS configuration

To view and edit your MMS configuration, choose “Tools” in the menu while viewing any message box, tap “Options”, and then choose “MMS” in the Accounts list.



Preferences Tab - You can set your preferences as follows:

Item	Description
Retrieve messages immediately	Typically, you receive a notification whenever a new message is available. Checking this box downloads new messages automatically. You can also choose to download only while on your home network.
Confirm to retrieve message while roaming	Check this option to download messages when you are roaming.
Save sent messages	Check this option to save a copy of messages that you send.
Reject all messages	Check this option to block all incoming messages.
Allow read report	These commands allow delivery and read reports to be sent after you receive and read messages, respectively.
Disconnect network connection after MMS	Check this option to disconnect the network connection after sending a message.
Attempts before giving up	This value sets the number of times the program will attempt to send your message before stopping.
Creation mode	Choose the creation mode to be warned or be restricted to only choose the media objects which belong to "Core MM Content Domain" to compose a message. Choose "Free" can add any type of contents to your message.
Photo resolution	Choose the resolution for images that you send. You may want to decrease below the original resolution to reduce the send/receive time.
Other tabs	The "Blacklist" tab lists the numbers you have blocked by saving them to the blacklist. The "Servers" tab lists your available Multimedia Messaging Service Center (MMSC). These settings are normally configured automatically and depend on your service provider. The "About" tab lists information about MMS Composer.

Set up an MMS account

In order to send a message, you need a valid connection and a default server (consisting of a WAP gateway and an MMSC server). Users will usually not be required to enter the MMS network settings. These settings can be automatically configured and WAP provisioning is supported.

However, to access these settings manually:

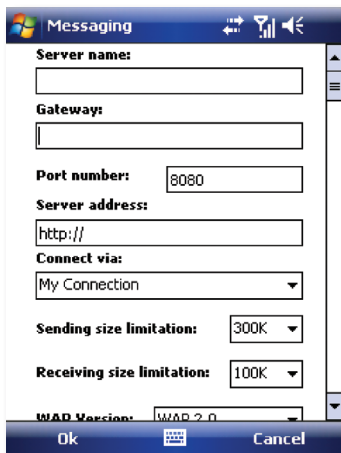
1. Tap  **Start** > **Messaging** > **MMS**.
2. Tap **Menu** > **Tools** > **Options**.
3. Select **MMS** > **Servers** tab > **New**.

Connect via: The connection selected under “Connect Via” must have the correct GPRS/Access Point already defined. The Access Point details should be obtained from the service provider.

You will also need to obtain the exact details about the correct MMS settings for your network from your service provider. These consist of the Server name, Gateway, Port number, Server address URL, size limitation and WAP version.



NOTE: Pay close attention to the entered Gateway and MMSC Server address; a single incorrect character will prevent successful MMS messaging.



The screenshot shows a 'Messaging' dialog box with the following fields and options:

- Server name:** An empty text input field.
- Gateway:** An empty text input field.
- Port number:** A text input field containing '8080'.
- Server address:** A text input field containing 'http://'.
- Connect via:** A dropdown menu showing 'My Connection'.
- Sending size limitation:** A dropdown menu showing '300K'.
- Receiving size limitation:** A dropdown menu showing '100K'.
- WAP Version:** A dropdown menu showing 'WAP 2.0'.

At the bottom of the dialog are three buttons: 'Ok', a small 'SEND' button with a paper plane icon, and 'Cancel'.

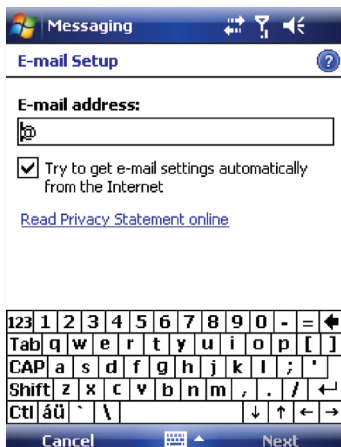
E-MAIL

Before you can send or receive e-mails, you will need to setup an e-mail account. There are different types of e-mail accounts supported by the device. This is described in the next few pages.

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

Set up an Internet e-mail account automatically

4. On the Today screen, tap  Start > Messaging > New E-mail Account.
5. Enter the e-mail address.
6. Check the Try to get e-mail settings... checkbox.
7. Tap Next to begin searching.



You will need to supply your email user name and password.

8. If the e-mail address cannot be found, you will be asked to set up the account manually.



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

Set up an internet e-mail account manually

Before you set up your Internet e-mail account, ensure that you have the necessary information as listed in the table below. The manual setup is needed if the automatic setup failed as described the previous section.

Setting	Description
User name	Typically, 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.
Account type	The type of e-mail server that hosts your mailbox (POP3 or IMAP4).
Account display 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.

Setting	Description
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.

1. Tap  Start > Messaging > New E-mail Account.
2. Enter your e-mail address for this account, clear the check box against “Try to get e-mail settings automatically from the Internet” and then tap Next.
3. Select your provider type (Internet e-mail or Exchange server).
4. Enter the names of the incoming and outgoing mail servers, and the domain of the outgoing e-mail server.



NOTE: The domain name is not required for an Internet service provider account, but may be required for a work account.

5. To complete setup with the current synchronization settings, tap Finish.

To adjust the synchronization settings later, you can select the account and tap Menu > Options, make the changes you want, then tap Finish.



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

Setup a Microsoft Outlook e-mail account

A Microsoft Outlook e-mail account is hosted on a Microsoft Exchange Server. You will need to have this account set up first before carrying on with the other steps described in this section.

To complete the setup for synchronization 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.



NOTE: Before changing synchronization settings on your device, disconnect it from your PC.

1. Tap  Start > Programs > ActiveSync > Menu > Configure Server.



NOTE: If this is your first time setting up synchronization with Exchange Server, this will say Add Server Source instead of Configure Server.

2. In Server address, enter the name of the server running Exchange Server, and tap NEXT.
3. Enter your user name, password and domain.
4. To enable the device to synchronize with Exchange Server automatically, select Save password. To change the rules for resolving synchronization conflicts, tap Advanced.
5. Tap Next.
6. Select E-mail and any other types of information you want to synchronize with Exchange Server. To change available synchronization settings, select the type of information and tap Settings.



NOTE: Settings may be concealed under the Input Panel; hide the Input Panel.

7. Tap Finish.

Direct Push Technology

Direct Push technology keeps your Outlook Mobile up-to-date by delivering E-mail, Calendar, Contacts and Tasks directly to your device, allowing you to react quickly to changes. Direct Push technology offers several benefits. Instead of sending empty syncs, as would be the case with scheduled or manual sync operations that are targeted only at those folders that contain changes. By not transmitting these empty syncs, the device is able to reduce its power consumption, increasing battery life. At the same time, this can reduce data usage charges. You will receive a message that the server “must enforce security policies” if your Exchange Server supports MSFP – Microsoft “Messaging and Security Features Pack,” and your e-mail administration team are enforcing security policies to your device. These security policies may be to lock the device from unauthorised access after the device has been left unused for a period of time, or for the ability to wipe the device ‘Over The Air’. Your IT administrator will be able to tell you which policies are being applied to your device.

Exchange Server 2003 with SP2 and Exchange 2007 have the option to utilize the MSFP. One of the benefits is the ability for the Server to push new e-mails as they arrive to the Microsoft Outlook client in the phone.

When ActiveSync has synchronised successfully, tap  Start > Messaging and tap Outlook E-mail. The mail folders (Inbox, Outbox, Drafts etc) are arranged similarly to the Microsoft Outlook client in a PC.

Please refer to section 6 for further information about synchronizing with an Exchange Server. Also, on <http://www.imate.com> you can find step-by-step guidelines on how to set up e-mail on your i-mate device.

View the Inbox message list

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



NOTE: To view new messages when they arrive, tap the notification on the Today screen.

Create an e-mail message

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



NOTE: You can quickly enter e-mail addresses from your contact cards. In the To: field, press ENTER and select a recipient from the list. Then, select the recipient's e-mail address. The semicolon separator is automatically inserted if you enter multiple recipients.

- To set the priority of the message (i.e. to make it appear as Low, Normal or High priority in the recipient's inbox), tap Menu > Message Options.
- To cancel a message, tap Menu > Cancel Message.

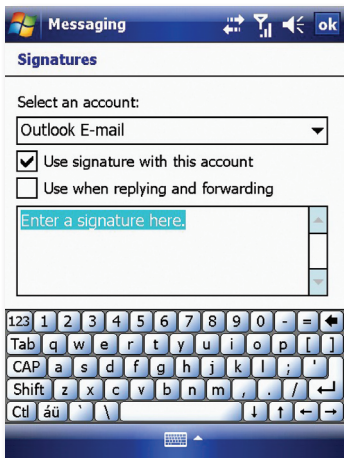
Insert predefined text into a message

Please refer to the start of Chapter 5: Text Messaging for details on how to use this feature. You can use it when creating a new message or replying to an e-mail. When the message screen appears, tap Menu > My 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.

1. On the Today screen, tap  Start > Messaging.
2. Select an e-mail account from the list.
3. Tap Menu > Tools > Options > Signatures....
4. Scroll to the account for which you are creating the signature.
5. Select Use Signature with this account.

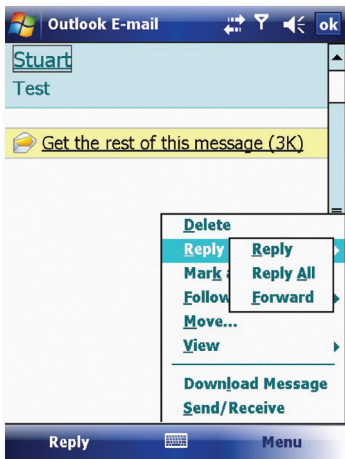


6. To insert a signature into every message you send, select Include when replying and forwarding. Otherwise, a signature is inserted only into new messages.
7. Tap OK.

Reply to a message

1. From an open message, tap either the soft-key Reply or tap Menu > Reply > Reply or Reply All.
2. Enter a message in the message area.
3. Tap 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, depending on your rate plan.



Send and receive Internet e-mail messages

4. On the Today screen, tap  Start > Messaging
5. Select an e-mail account from the list.
6. To select the folders for synchronization, tap on Menu > Tools > Manage Folders.
7. Tap Menu > Send/Receive. The phone should then connect to your e-mail server via the Internet and send/receive your messages.



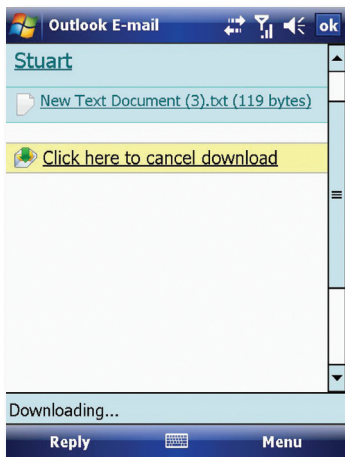
NOTE: To stop this process, tap Menu > Stop Send/Receive.

Download a complete e-mail message

1. On the Today screen, tap  Start > Messaging
 2. Select an e-mail account from the list.
 3. Select the message to download.
 4. Tap Menu > Download Message. The complete message is retrieved the next time you synchronize or connect to your e-mail server to send and receive e-mail. The message will be downloaded the next time your device connects to the e-mail server to send/receive e-mail. The frequency of this is determined by the schedule setup in your ActiveSync configuration, detailed in Chapter 6.
- You can choose whether or not Send/Receive synchronization should be triggered every time you tap Send, whether the automatic Send/Receive schedule should be suspended when you are roaming (e.g. because the data charges are usually higher when roaming away from your home network) and whether or not copies of messages you delete from the device should be left on the e-mail server or also deleted.



NOTE: Alternatively, you can scroll down to the bottom of the message and tap Get the rest of this message. The message will be downloaded the next time your phone connects to the e-mail server to send/receive e-mail.



Download an attachment

After you scroll down to the file name shown, tap it and the attached file will be downloaded when your phone connects to your e-mail server to send/receive e-mails again.

View an attachment

In an open message containing a downloaded attachment, tap the attachment.

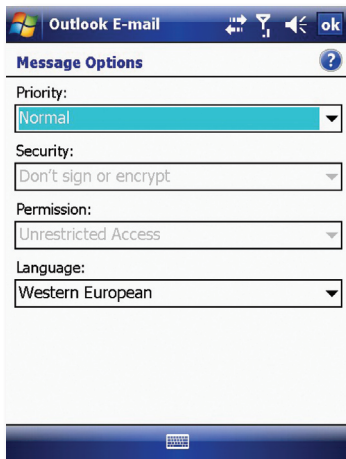


NOTE: You can view attachments only for file formats supported by the device.

Digitally sign a message

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

1. On the Today screen, tap  Start > Messaging.
2. Select an e-mail account from the list.
3. Click Menu > New.
4. Click Menu > Message Options.



5. From the Security list, choose from the drop down menu.
6. Tap OK.



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

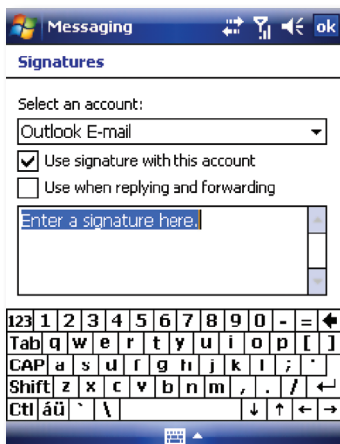
Change e-mail security options

Windows Mobile 6 supports two methods of installing a certificate on your device; you can either import a certificate from a file or you can enroll at a Certificate Authority using HTTP. Use personal certificates to positively identify yourself to others.

You can check your installed certificates by tapping:  Start > Settings > System tab > Certificates.

ActiveSync allows you to set up S/MIME e-mail encryption and signing. You will have to obtain a valid certificate for signing or encrypting e-mail before you will be able to sign or encrypt mail successfully.

1. Tap  Start > Programs > ActiveSync.
2. Tap MENU > Options.
3. Select the E-mail information type, then tap Settings.
4. Tap Advanced. Do one or both of the following:
 - To encrypt all outgoing e-mail messages so the contents of a message cannot be viewed by anyone other than the intended recipient, select the Encrypt all outgoing e-mail messages check box.
 - To sign all outgoing e-mail messages so a recipient can be certain a message was sent by the claimed sender and has not been altered in any way, select the Sign all outgoing e-mail messages check box.
5. To select a certificate for signing or encrypting outgoing e-mail messages, tap MENU > Choose Certificate. You can select certificates to sign or encrypt e-mail messages individually, even if you do not choose to sign or encrypt all outgoing e-mail.



Change e-mail folders and accounts

When viewing any mailbox, you can jump quickly to another mailbox as follows:

1. Tap Go To > Folders.
2. You can select the new folder you wish to view.
3. If you also wish to manage your folders for ActiveSync, tap Menu > Tools > Manage Folders.



TIP: Why can I not see my messages in my Sent folder?

By default, messages you send are not saved on your device; this is to help conserve memory. If you want to keep copies of sent messages, in Messaging, tap Menu > Tools > Options > Message tab, and select the Keep copies of sent items in Sent folder check box. If your account is an Outlook E-mail or IMAP4 account, you must also select the Sent Items folder for synchronization. To do this, tap Menu > Tools > Manage Folders and select the check box next to the folder.

WINDOWS LIVE

About Windows Live

Windows Live on your mobile device provides real-time access to your Windows Live Hotmail inbox, your Windows Live Messenger contacts list and options for customizing your Windows Live experience.



NOTE: Windows Live Messenger is an instant messaging service hosted by Microsoft through the Internet. Windows Live Messenger was previously widely known as MSN Messenger.

With Windows Live you get:

Windows Live Mail. Read, write, and send e-mail, or manage your Hotmail folders.

Windows 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.

Options and settings which you can use to create a custom Windows Live experience.

- To use it, tap  **Start** > **Programs** > **Windows Live**.

To use Windows Live you must have a working connection to the Internet.



NOTE: Windows Live is not supported on all language versions of Windows Mobile Operating System.*

Create a Windows Live I.D. and a Hotmail account

Visit <http://get.live.com/mail/options> (from any terminal with Internet access).

After obtaining a Windows Live I.D., proceed as follows to set up the new account on your device:

1. On the Today screen, tap  **Start** > **Messaging** > **New E-mail Account**.
2. Enter the e-mail address.
3. Check the Try to get e-mail settings automatically from the Internet check box.
4. Tap Next to begin searching.

5. Once found, you will be taken to Windows Live. You will be asked for your Windows Live password and synchronization will then commence.

Clear the Windows Live password last saved on your device

When you clear the password that was last saved on the device, you can re-enter your credentials using a new password. You need to do this if you change your Windows Live I.D.

1. Tap  Start > Programs > Windows Live
2. Tap Menu > Account Options.
3. Tap Clear Password.

Windows Live Messenger overview

With Windows Live Messenger you can send instant messages to your contacts' mobile devices or computers. For instructions, select a task below.

Sign In and Out

The sign-in process helps to maintain secure access to your Windows Live Hotmail and Windows Live Messenger accounts. Sign-in lasts for 24 hours, regardless of power or connection loss. Just being signed in to Windows Live does not use GPRS data but if you are signed to Messenger then this will use GPRS data to maintain contacts and Send or Receive messages. Data usage charges may be incurred; this will depend on the details of the contract you have with your service provider.

You can access Windows Live by tapping  Start > Programs > Windows Live. Then tap the green arrows to scroll through different Windows Live services.

You can start Messenger by tapping:  Start > Programs > Messenger.

Enter the e-mail address and password for your Windows Live I.D. Then tap Sign In.

You may like to add Windows Live and Windows Live Search items to your Today screen. Do this in the Settings > Items tab.

You can also add Windows Live items to the Start Menu, if you have space available. Do this in Settings > Menu.

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



CAUTION: If your credentials are entered automatically this could be a security risk. If your mobile device is lost or stolen, others may gain access to Windows Live Messenger and Hotmail. If your mobile device is lost or stolen, go to a computer and change your Microsoft Passport credentials by logging into Account Services at <https://login.live.com/>.

Sign Out

If you wish to sign out, tap Menu > Sign Out.

Switch between multiple accounts

You may want to set up and switch between multiple accounts. To switch accounts, do the following:

1. Tap  Start > Programs > Windows Live
2. Tap Menu > Account Options.
3. Tap Switch Windows Live ID.

Add and delete Contacts

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

- To add a contact, tap Menu > Add New Contact and then follow the directions on the screen.
- To delete a contact, select the contact and tap Menu > Contact options > Remove contact. Check the boxes to Block this contact and/or Remove this contact from my Windows Live contact list.
- Tap OK to permanently delete the contact.

Manage Contacts

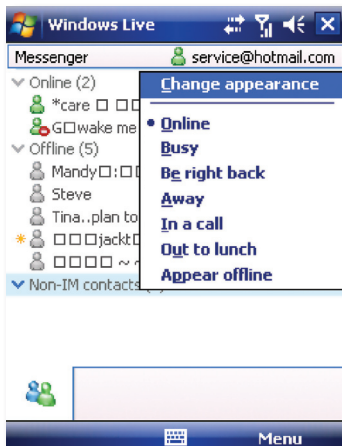
- To block a contact from viewing your status and sending you messages, select the contact and tap Menu > Contact options > Block contact.
- To unblock a contact, select the blocked contact from the list and tap Menu > Contact options > Unblock Contact.

Change your display name and personal message

1. In Messenger, tap Menu > Change Appearance.
2. In My display name and Personal message, enter the name and phrase that you want to display in Messenger. Tap Done.

Check your Messenger Status

- Tap the messenger title bar. Your current status is indicated in the list by a bullet point. You can change your status by selecting another description.

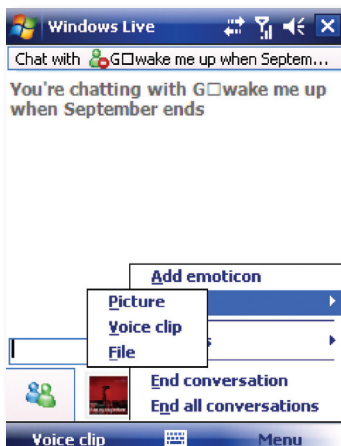


Let Contacts know you are not available

Select your own name at the top of the page and then tap the desired status description. For example, tap Away.

Send an Instant Message (IM)

1. Tap the contact you want to send a message to. Tap a second time or tap Send IM.
2. Enter your message in the text entry area at the bottom of the screen and tap Send.
3. Emoticons, Pictures, Voice Clips and Files can also be sent to the contact. Tap Menu > Add emoticon or Menu > Send > Picture, Voice Clip or File.



Add Participants

Extra participants can be added to the current conversation.

1. Tap Menu > Options > Add participant.
2. Select the contact.
3. Tap Add.

End a conversation

- Tap Menu > End conversation or End all conversations.

Windows Live Hotmail overview

With Windows Live Hotmail on your Pocket PC, you can now:

- Access your Windows Live Hotmail inbox even when you're mobile.
- View graphics, Web links, and contact photos in e-mails.
- Respond to e-mails with voice recordings.
- Push mail so your inbox is kept up-to-date.

Read, send, and reply to e-mail, and manage your folders. Mark e-mail attachments for downloading so that you can view them. Windows Live Hotmail messaging on your device is organized in a consistent way with all other email boxes.

View your Hotmail Inbox

1. In Messaging, select Windows Live. Then tap the folder name at the top of the screen (e.g. Inbox) to reveal all the Windows Live Hotmail folders.
2. To synchronise your Hotmail inbox so you see your latest e-mail messages, tap Menu > Send/Receive.

Write and send e-mail

1. Tap Menu > New at the bottom of the Windows Live inbox screen.
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 tap Send.

You can write or reply to an e-mail while offline. Follow the steps above and when you next have an open data connection, tap Menu > Send/Receive.

Reply to an e-mail message

1. Select a message in your Hotmail inbox.
2. Tap Reply or if you wish to include the recipients in the CC field, tap Menu > Reply All.
3. Enter the text of your reply, and then tap Send.

Delete an e-mail message

1. Select a message in your Hotmail inbox.
2. Tap Delete. The message is deleted after asking for your confirmation.

Add an e-mail attachment

1. On the Hotmail inbox screen, tap Menu > New.
2. In the To: field, enter an e-mail address.
3. In the Subject field, enter the subject of the e-mail.
4. Tap Menu > Insert > File, to select a file.
5. Enter a message in the body of the e-mail, and then tap Send. You can also attach a Picture and Voice Note files.

Introduction to ActiveSync and the
Windows Mobile Device Center

Install and set up the synchronization program

Synchronizing **Chapter 6**

INTRODUCTION TO ACTIVESYNC AND THE WINDOWS MOBILE DEVICE CENTER

Your device contains ActiveSync software that allows you to create a synchronization relationship between your mobile device and your PC. This means that when your device is connected to your PC on which you also have synchronization software installed, data will be 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 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 synchronize Microsoft Outlook information, Microsoft Office documents, pictures, music, videos and applications to and from your device.

In addition to synchronizing with a desktop PC, ActiveSync allows you to synchronize 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 updated wirelessly when you're away from your desktop or tablet PC. Connection to Exchange Server 2007 will also allow the synchronization of Notes.

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.



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

To access e-mails or other Outlook information when you are away from your PC, you may also connect your device to your Microsoft Exchange E-mail server. This connection may be performed over GPRS, or using your PC as a way of connecting back to the Internet. If your Exchange Server is running Exchange 2003 Service Pack 2 or Exchange 2007, you may also be able to receive Push e-mails, whereby any new e-mails are sent directly to your device.

INSTALL AND SET UP THE SYNCHRONIZATION PROGRAM

If your PC is running Windows Vista, your synchronization settings will be managed through the Windows Mobile Device Center. If your PC is running Windows XP or earlier synchronization 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.msp>. 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 synchronization 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 synchronize information with that PC.

Your PC can set up Windows Mobile partnerships with many different Windows Mobile powered devices, but a device can have synchronization 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 synchronize e-mail messages between your device and only one PC.



NOTE: If the two computers with which you want to set up synchronization relationships are both connected to Exchange Server, you can set up a synchronization 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 un-blocked 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.

If you need to open ports manually in your firewall, you will need these port numbers:

990: open inbound TCP port

999: open TCP port

5678: open TCP port

5679: open outbound UDP port

5721: open inbound TCP port

26675: open TCP port

Reconnect the device after opening these ports.

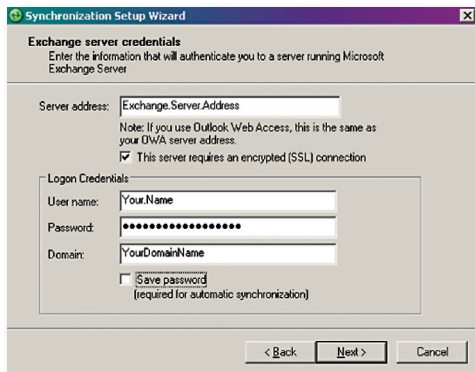
If you have a PC, which is already fully synchronised, with your Exchange Server, then it recommended synchronising your device to your PC the very first time instead of synchronising to the Exchange Server. This will allow faster synchronization.

Set up your device to synchronize with a Microsoft Exchange server

This applies only to users with access to an Exchange server. To perform the setup for synchronization 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.

1. Tap  Start > Programs > ActiveSync > Menu > Configure Server.

Complete the details below. Contact your network administrator if you do not know this information.



NOTE: If this is your first time setting up synchronization with Exchange Server, this will say Add Server Source instead of Configure Server.

2. In Server address, enter the name of the server running Exchange Server, and tap Next.
3. Enter your user name, password, and domain. Tap Next.
4. To enable the device to synchronize with Exchange Server automatically, select Save password. To change the rules for resolving synchronization conflicts, tap Advanced.
5. Tap Next.
6. Select E-mail and any other types of information you want to synchronize with Exchange Server.
- To change available synchronization settings, select the type of information and tap Settings. Tap ok when done.



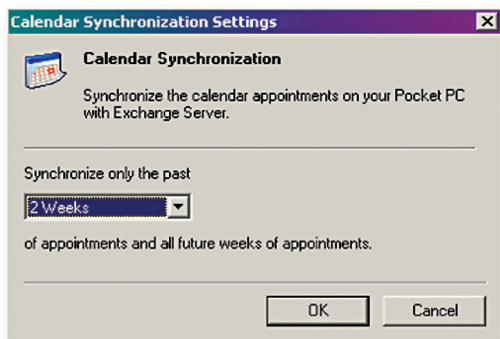
NOTE: Settings may be concealed under the Input Panel. Hide the Input Panel to see this.

7. Tap Finish.

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

To begin the PC Sync, click Finish but leave the device plugged in.

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



Select information types to synchronize

To synchronize information, you must select the corresponding information type for synchronization.

1. Connect your mobile device to your PC.
2. Click Tools > Options.
3. Select the information type that you want to synchronize.
4. If available, click Settings, and then select the options you want.
5. Repeat steps 2 and 3 for each information type.

Change settings for an information type

The time required for synchronization depends on how much data is to be transferred. In the ActiveSync application on the PC, you can determine which out of an item on the device or on the PC should be replaced (i.e. over-written) in the event of a conflict. To change these settings, click Tools > Options > Settings.

Adjusting how much information is synchronized

If you have set up a synchronization relationship between your mobile device and PC, synchronization keeps information up-to-date on both computers. ActiveSync synchronizes a limited amount of data by default to save storage space on your device. You can change the amount of synchronized for a given information type in Settings for the type.

You can increase or decrease the amount of information that is synchronized for each type. The default settings are set up to conserve storage space by limiting the amount of information that is synchronized to your device.



NOTE: Information stored on a storage card will not be synchronized with your PC.

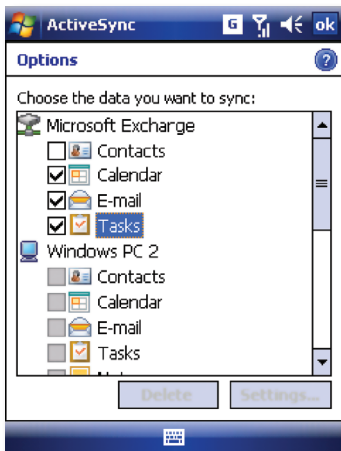
Managing wireless synchronization costs

How you manage the cost of synchronizing wirelessly from your device depends on your priorities:

- **Reduce network connection or data transfer costs:-** Increase the time between scheduled synchronizations, or synchronize manually. Check the details of your rate plan.
- **Extend battery life:-** Schedule synchronization less frequently or synchronize manually.
- **Keep information up-to-date:-** During periods of high mail volume, schedule synchronization at regular but frequent intervals. During periods of low mail volume, schedule synchronization as items arrive.

Mix synchronization settings between Exchange server and PC

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, tap Start > Programs > ActiveSync > Menu > Options and select from the list.



Synchronize as new items arrive

You can schedule automatic synchronization between your device and Microsoft Exchange every time an item arrives or is changed in Microsoft Exchange, after your first full synchronization with Microsoft Exchange. You can synchronize information automatically as items arrive only if your company running Microsoft Exchange with Exchange ActiveSync.

1. Tap Menu > Schedule...

2. Do one or both of the following:

- Under Peak times, select As items arrive. It is generally more cost-efficient to synchronize on a regular schedule when mail volume is high.
- Under Off-peak times, select As items arrive. This can be more cost-efficient than synchronizing on a regular schedule when mail volume is low.



NOTE: To set the days and hours that make up your peak and off-peak times, click **Change Times**. Some versions of Microsoft Exchange may also require you to specify a device address to use this feature.

The handling of synchronized Outlook E-mail

When you synchronize Outlook e-mail on the PC with your device, e-mail messages are synchronized as follows:

1. Messages in the Inbox folder on your PC or Exchange Server are copied to the Inbox folder of the Outlook E-mail account on your device.
2. Messages in the Outbox folder on your device are transferred to Exchange Server or Outlook, then sent from those programs.
3. After you delete a message on your device, the next time you synchronize it will be deleted from your PC or Exchange Server.
4. The default sync settings are to synchronize messages from the last three days only and the first .5 KB of each new message, and not to sync file attachments.



NOTE: You can also specify subfolders of the Inbox folder to be synchronized.

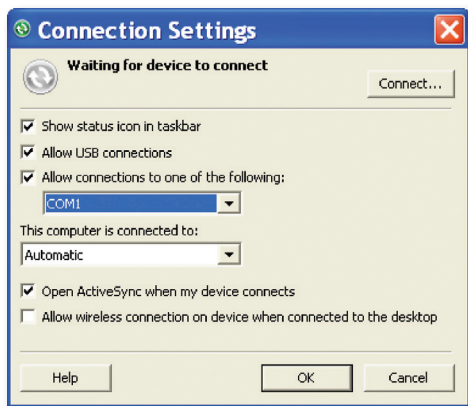
Connect to a PC using Bluetooth

Follow the instructions in ActiveSync Help on the PC for configuring Bluetooth on your PC to support ActiveSync.

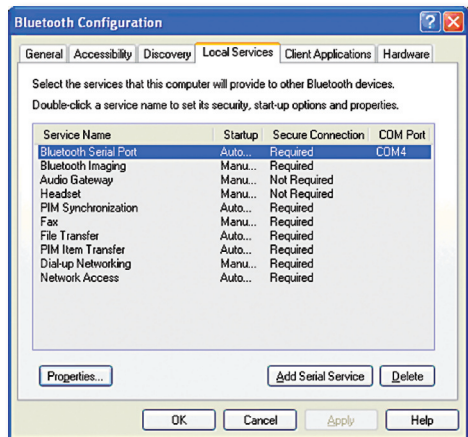
1. Make sure that your PC's Bluetooth is set to Visible (also known as 'Discoverable'), and that ActiveSync on the PC has the correct Bluetooth COM port enabled – see below.
2. Ensure that the PC ActiveSync Serial port corresponds to the PC's Bluetooth Serial port configuration. In the example shown in the screenshot 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.
3. From the device's Today screen, click  Start > Programs > ActiveSync.
4. Click Menu > Connect via Bluetooth. Ensure that the phone and PC are within close range. 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.
 - 7.1 Tap  Start > Settings > Connections tab > Bluetooth > Mode tab.
 - 7.2 Clear the "Turn on Bluetooth" checkbox
 - 7.3 Tap OK.



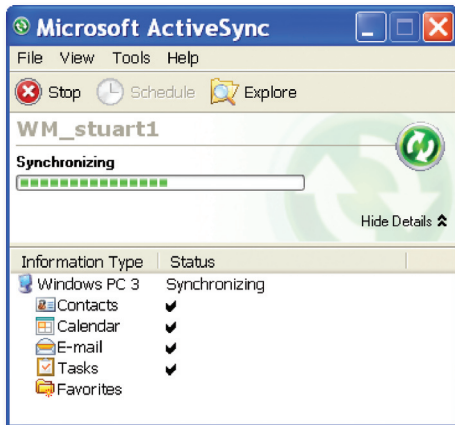
NOTE: While the Bluetooth radio is ON, the LED on the device emits blue flashes to indicate this.



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



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

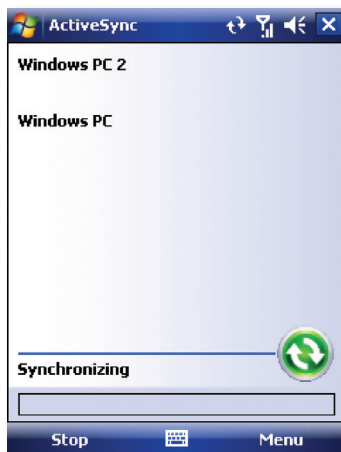


Start and stop synchronization

1. On the Today screen, tap  Start > Programs > ActiveSync.
2. To start synchronization, tap Sync.
3. To stop synchronising, tap Stop.



NOTE: This menu only appears during synchronization.



Synchronize your Music and Video files

Your device is able to synchronize music and video files with your PC. This is described in detail in Chapter 7.

Contacts
Games
Calculator
Calendar
ClearVue PDF
File Explorer
Internet Sharing
JAVA
Camera
Wireless Manager
Notes
Pictures & Videos
Voice Speed Dial
Search
Tasks
Windows Live
Windows Media Player
Internet Explorer Mobile
Office Mobile
TV Out
External GPS

Applications and Multimedia **Chapter 7**

Introduction

Your Windows Mobile Pocket PC Edition device contains several applications to make you more productive at home, in the office or on the move.

Your device comes with mobile versions of Microsoft Office Word Mobile, Excel Mobile, Outlook Mobile and PowerPoint Mobile, as well as Windows Media Player Mobile.

You can also take pictures, shoot video, play audio and video files, read PDF documents, share internet access via the device with a PC, set your device up to obey voice commands, play games, record notes and use Java applications using the built-in programs.

This chapter will guide you through use of these applications and let you know how to add more.

CONTACTS

Contacts are 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 anniversary date. You can also add a picture or assign a ring tone to a contact.

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

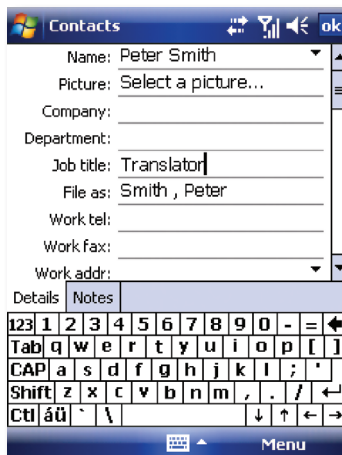
If you use Outlook on your PC, you can synchronize contacts between your device and PC. If you have synchronized your contacts with an Exchange Server, then your contacts will be updated there too. In the list of contact information, you'll see where you can add a picture or assign a ring tone to a contact.



NOTE: There are two types of Contact, Outlook Contacts and SIM Contacts. An Outlook Contact has a more more extensive list of fields, including the ringtone field.

Create a contact

1. Tap  Start > Contacts.
2. Tap New.
3. Enter contact information. When finished, tap OK.



Contacts [icons] [ok]

Name: Peter Smith

Picture: Select a picture...

Company:

Department:

Job title: Translator

File as: Smith, Peter

Work tel:

Work fax:

Work addr:

Details Notes

123 1 2 3 4 5 6 7 8 9 0 - =

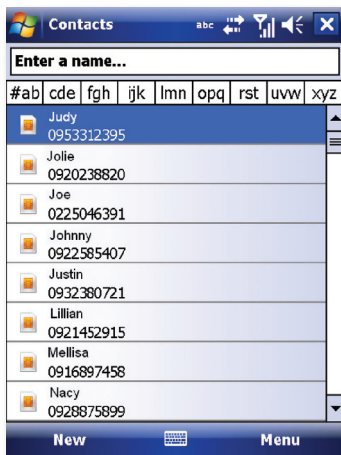
Tab q w e r t y u i o p []

CAP a s d f g h j k l ; ' .

Shift z x c v b n m , . /

Ctl á ú ` \

Menu



Contacts abc [icons] [X]

Enter a name...

#ab cde fgh ijk lmno pqr rst uvw xyz

Judy
0953312395

Jolie
0920238820

Joe
0225046391

Johnny
0922585407

Justin
0932380721

Lillian
0921452915

Mellisa
0916897458

Nacy
0928875899

New Menu



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

Change contact information

1. Tap  Start > Contacts.
2. Tap the contact.
3. Tap Menu > Edit and enter the changes.
4. When finished, tap OK.

Work with the contact list

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

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

Find a contact

There are several ways to find a contact:

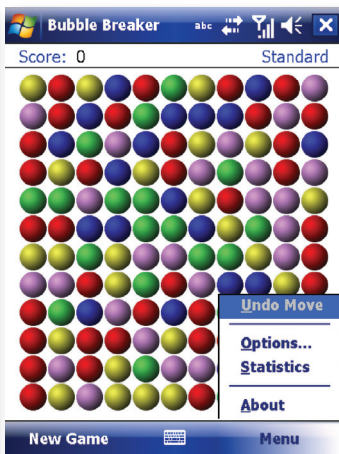
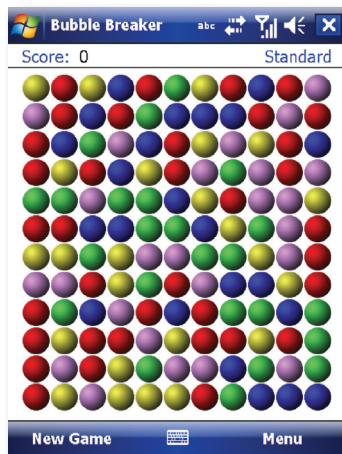
1. Tap  Start > Contacts.
2. If you are not in name view, tap Menu > View By > Name.
3. Do one of the following:
 - Begin entering a name or phone number in the provided textbox until the contact you want is displayed. To show all contacts again, tap the textbox and clear the text, or tap the arrow to the right of the textbox.
 - Use the alphabetical index displayed at the top of the contact list.
 - Filter the list by categories. In the contact list, tap Menu > Filter. Then tap a category you've assigned to a contact. To show all contacts again, select All Contacts.

GAMES

Bubble Breaker

To play Bubble Breaker, you need to align similar bubbles in order to form large blocks of bubbles before bursting them. The more bubbles in the block before they are burst, the greater number of points you will receive.

1. To open Bubble Breaker, tap Programs > Games > Bubble Breaker.
2. Tap a bubble that is connected to other similar bubbles. Those connected bubbles (at least two bubbles) will be highlighted, and a new bubble will pop up displaying that block's potential bubble points.
3. Tap on your selection again in order to burst the bubbles. All bubbles above your burst block will now fall down. To take back the last move you have made, tap the icon.
4. To start a new game, tap Games > New Game.
5. To view the statistics, tap Info > Statistics.



Setting Bubble Breaker Options

To change the setting options, tap Game > Options.

Play Sounds Sets whether or not you want Bubble Breaker to make sounds.

Confirm End Game Sets Bubble Breaker to pop up a confirmation dialog when the “End Game” menu item is selected.

Display Burst Sets to display the burst of bubbles or not.

Guest Mode Plays the game without affecting the statistics.

Game Style Selects one of the following game styles.

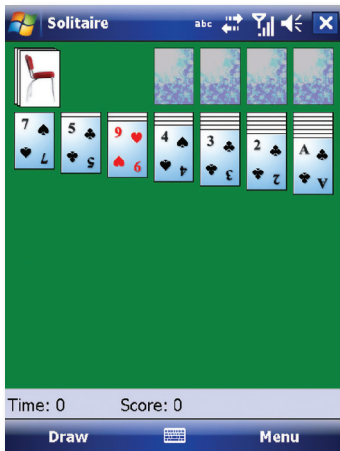
- **Standard** - The default mode of play where there is a set number of bubble that will not increase.
- **Continuous** - In this style, whenever a vertical set of bubbles has been burst and the remaining bubbles have shifted over to the right, a new randomly selected column of bubbles will pop up on the left, thereby allowing a game to be played for an extended amount of time.
- **Shifter** - In this style, when a set of bubbles has been burst, all remaining bubbles to the top and left will shift down and to the right.
- **MegaShift** - This style is a combination of the shifter and continuous styles in that bubbles will shift down and to the right while empty columns will fill on the left.

Breaker Set changes the color of the bubbles.

Solitaire

The object of Solitaire is to use all the cards in the deck to build up the four suit stacks in ascending order, beginning with the aces.

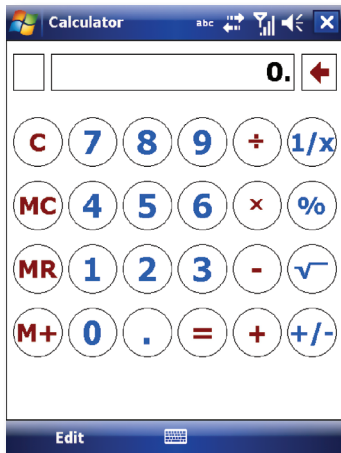
1. To open Solitaire, tap Programs > Games > Solitaire.
2. A new game is started. You can also tap Menu > New Game on the command bar to start a new game.



CALCULATOR

You can use Calculator to perform any of the standard operations for which you would normally use a handheld calculator.

1. Tap  Start > Programs > Calculator.
2. Use the Calculator buttons or the input panel to enter numbers and perform calculations.



To clear the current calculation or the displayed number, Tap C.

To clear the last digit entered in a multidigit entry, Tap the arrow to the right of the entry box. To clear memory, Tap MC.

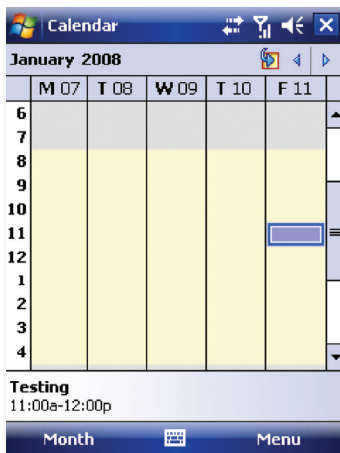
CALENDAR

Use Calendar to schedule appointments such as meetings and other events.

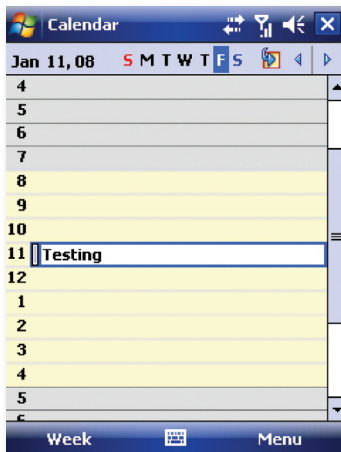
Your appointments for the day can be displayed on the Today screen. If you use Microsoft Outlook on your PC, you can synchronize appointments between your device and PC. If you synchronize your calendar over your cellular connection to your e-mail account, it will also be kept up to date.

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

1. Tap  Start > Calendar.
2. Tap Menu > View > Day [or Week or Month or Year or Agenda].



To see detailed appointment information in any view, tap the appointment.

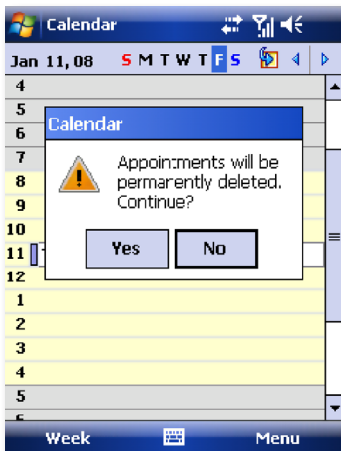
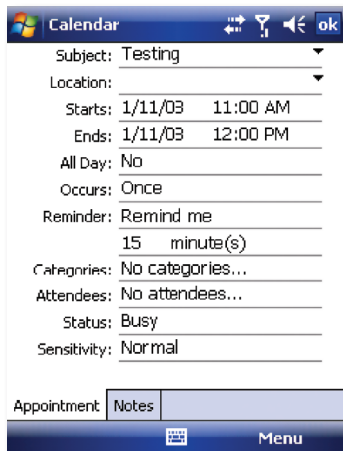


Schedule an appointment

1. Tap  Start > Programs > Calendar.
2. Tap 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, in the All Day box, tap Yes.
5. When finished, tap OK to return to the calendar.

Cancel an appointment

- Tap the appointment and then tap Menu > Delete Appointment



Note: All-day events do not occupy blocks of time in Calendar. Instead, they appear in banners at the top of the calendar.

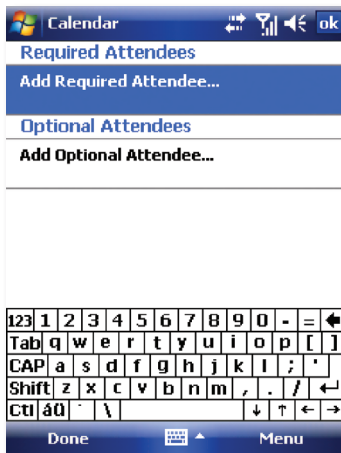


TIP: To have the time entered automatically in Day view, tap the time slot for the new appointment, and tap Menu > New Appointment.

Send a meeting request

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

1. Tap  Start > Calendar.
2. Schedule a new appointment or open an existing one and tap Menu > Edit.
3. Tap Attendees.
4. Tap Add Required Attendee and/or Add Optional Attendee.
5. Tap the name of the contact you want to invite.
6. To invite each additional attendee, tap Add and tap the name.
7. Tap OK.
8. The meeting request will be sent to the attendees the next time you synchronize your device with your PC.

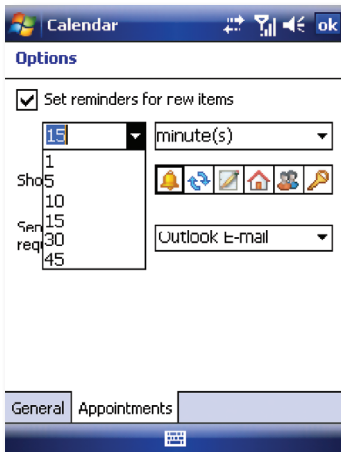


NOTE: When attendees accept your meeting request, the meeting is automatically added to their schedules. When their response is sent back to you, your calendar is updated as well.

Set a default reminder for all new appointments

You can have an automatic reminder for all new appointments.

1. Tap  Start > Calendar.
2. Tap Menu > Tools > Options > Appointments tab.
3. Select the Set reminders for new items check box.
4. Set the time when you want the reminder to alert you.
5. Tap OK to return to the calendar.



CLEARVUE PDF

ClearVue PDF is a standalone Adobe Acrobat file viewer for your Pocket PC. Use ClearVue PDF to open and view Adobe Acrobat PDF files on your device.

Open a PDF file

1. Launch ClearVue PDF by tap  Start > Programs > ClearVue PDF.
 2. Tap File > Open.
 3. Select the folder to browse.
 4. View a list of .pdf files, and then tap the file you want to view.
- To open a recently opened file, tap File > Recent Files.

Move around in a document

When a PDF document is larger than a single screen, you can navigate in the following ways:

- Use scroll bars to move up/down and right/left.
- Use the Navigation Pad to move one line in the desired direction.

The Zoom feature

- The Zoom feature allows you to enlarge or reduce the document content on display. Zoom is available on the bottom left corner of the screen. Any percentage in the range from 25-200% is valid.
- Select Page Width to display the entire width of the page.
- Select Whole Page to display the entire page.
- Tap Zoom > Custom... to choose your desired percentage of magnification.

FILE EXPLORER

Your pocket PC has a File Explorer application, just like your PC, that allows you to manage files.

Run File Explorer

- On the Today Screen go to  Start > Programs > File Explorer.

You are presented with a list of files and folders inside the current folder. To move up a level, tap Up. To go into a folder, click on a folder name.

Copy a file

1. Tap and hold a file name. A menu will then appear.
2. Choose Copy.
3. Move to another folder. When you reach the folder where you want the file to be, tap and hold it with the stylus and tap Paste. To move the file rather than copy it, select Cut in step 2.

E-mail a file

1. Tap and hold on the name of a file.
2. Select the Send... option from the menu that appears.
3. Choose an account from which you will send this file.
4. Enter an file addressee and tap Send. The file is sent as an attachment.

Delete a file

1. Tap and hold on the name of a file.
2. Select Delete.

Create a new folder on the device

1. Move to the directory where you want to create a new directory.
2. Tap Menu > New Folder.

View a Web Folder from your device

You can access folders on your corporate intranet.

- To do this tap Menu > Open Path > New Path and type in the path of the folder on the network. Your device will connect to the Work Connection in order to find the web folder.

INTERNET SHARING

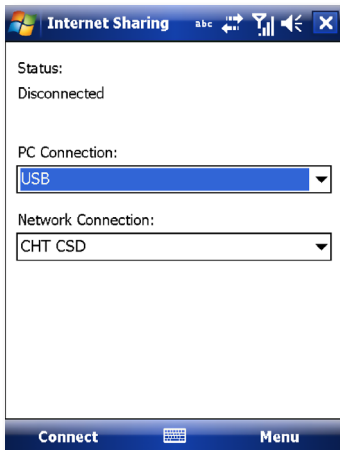
Internet sharing is a way to use your device as a cellular and GPRS modem, as a means of connection to the Internet for your laptop or desktop PC. Here, we provide a brief overview of the subject. You can find step-by-step guidelines for configuring your device for use as a Wireless Modem on <http://www.imate.com>.



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

Start Internet Sharing

- From the **Today** Screen, tap  **Start > Programs > Internet Sharing**.



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

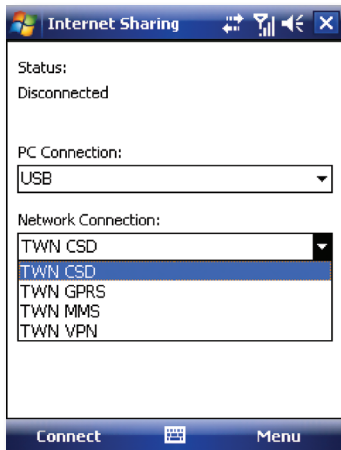
In the PC connection field, choose USB (for a wired connection) or Bluetooth PAN.

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, Get Connected.

If you have chosen to connect over USB

1. Tap Connect at the bottom of the screen.
2. Now connect your device to your computer using the USB cable supplied.
3. Device Status will show Connected. Your PC is now connected to the Internet.



NOTE: You must run ActiveSync 4.5 or later on the PC to use this feature. If you are running an earlier version, upgrade to this using the companion CD that came with your device.

If you have chosen to connect using Bluetooth PAN

1. You will be prompted about your 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 the device.
3. Follow the process shown on your PC screen to bond it to the 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 the device.
7. Your PC will now be connected to the Internet.

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

JAVA

Java is a programs environment supporting a wide variety of applications running on mobile devices, such as games and useful applets.

You can use the Java program to download Java games or applications.

- Tap  Start > Programs > Java.

The Download menu option will open the Internet Explorer for Mobile browser and enable games and other applications to be downloaded directly from the Internet and installed automatically.



TIP: Download the file with the *.jar extension.

The Local Install menu option will search for midlets already stored on the device and offer to install them.

Once installed, the programs will be listed within the Java application. Tap the program name in the list to run it.



NOTE: Be conscious that Java applications obtained from untrusted sources could be used to install a virus on your device.



CAMERA

Taking photos and recording video clips with audio is easy with your device's built-in camera.

Tap  Start > Programs > Camera or press the Camera button on your device. To exit the Camera screen, tap .

Still Camera screen

By using either the Navigation Pad keys or tapping the screen you can adjust the various options.



No.	Name	Description
1.	Number of photos	Show the number of photos that can be captured.
2.	Photo Resolution	Switch between VGA, CIF, QVGA and QCIF. The effect on storage is instantly seen at (1).
3.	Tool Settings	You can tap  on the screen to access the setting items.
4.	Camera Mode	Switch between the front or rear cameras.
5.	Close	Close the application.
6.	Pictures & Videos	Launch the Pictures and Videos application. See Chapter Pictures & Videos.
7.	Video Mode	Switch from camera to video mode.

Taking pictures

Press the CAMERA button on the device to take a picture.

Adjusting Brightness

Press the Navigation Pad up or down to alter the brightness. A brightness indicator bar will appear on the screen during this adjustment.



NOTE: The directions left, right, up and down here mean with the device held in landscape mode.

Use the Self Timer

- Scroll, using the navigation stick or the blue arrows, through to the Self Timer settings.
- Tap the timer icon to choose a delay of 2 seconds or 10 seconds or to turn the feature off again.
- After composing the picture, press the CAMERA button to start the timer. A regular beeping will start to confirm that the countdown is running. When the time expires, the picture is taken, confirmed by the camera shutter sound effect.

Picture Resolution

Your device is equipped with a 2.0 Mega pixel camera. The larger the number of mega pixels, the more detailed the picture will be. However a larger picture means that more data has to be stored, resulting in less available memory for other pictures.

To set the resolution of the pictures to be captured, tap the camera options  icon  and scroll, using the navigation stick or the blue arrows, through to the Resolution settings.

Switching to video mode

Tap the video mode icon  to switch to the video mode.

Video Camera Screen

By using either the Navigation Pad keys or tapping the screen you can adjust the various options.



No.	Name	Description
1.	Recording Time	Displays the length of the recording. When no recording is in progress and no recording is selected for playback, the amount of recording time still available in unused memory is displayed.
2.	Video Resolution	Displays the current video resolution.
3.	Tool Settings	You can tap  on the screen to access the setting items
4.	Camera Mode	Switch between the front or rear cameras.
5.	Close	Close the application.
6.	Pictures & Videos	Launch the Pictures and Videos application. See Chapter Pictures & Videos.
7.	Video Mode	Switch from camera to video mode.

Capturing Video

Your device is capable of recording moving pictures and sound. To enter Video recording mode:

1. Press the Camera button or then tap  Start > Programs > Camera.
2. Tap the  video icon.

While using the Video capture mode, you can press the Camera button to start recording a video clip (with audio if desired). To stop recording, press the Camera button again.

Your device displays the first frame of the captured video clip by default on the Review screen. From this screen you will be able to:

- Send the video by e-mail or MMS.
- Delete the video.
- Play the video in Windows Media Player.

Adjusting Brightness and Zoom

- Press the Navigation Pad up or down to change the zoom level.
- Press the Navigation Pad left or right to alter the brightness.



The directions left, right, up and down here mean with the device held in landscape mode.

Camera and Video Tool Settings

From either camera or video modes tap the  icon.

The Setting screen contains following tabs:

Icon	Description
	Exit the video program.
	Tap to toggle among the different white balance settings: Auto, Sunny, Cloudy, Incandescent, and Fluorescent
	Select a metering mode to allow the camera to measure the amount of light in the center and around the image and calculate the best-fit exposure value before capturing.
	Tapping the minus/plus icon (-/+) decreases or increases the brightness level.
	Tapping the minus/plus icon (-/+) decreases or increases the contrast level.
	Tap to turn on the camera flash while capturing an image.
	Choose a special effect such as: No Effect, Sepia, and Monochrome etc., to apply to your photos or video clips.
	Select the desired MP4 or 3GP file format.
	Allows you to set the size limit for recorded videos.
	Choose video recording mode: Camcorder, Night or MMS.
	Choose between: QVGA or QCIF resolutions.
	Select the JPEG image quality level for all the video. You can choose from Fine, Normal, and Economy.
	Select where you want to save your files. You can either save the files to the main memory or a storage card.
	You may also choose to name files using either the current Default, Date, User Define as the prefix. You may also reset the internal counter here.
	For information about copying and version files on your device.

Icon	Description
	Tap to add Date Time Stamp to your photo.
	Camera GPS Info.
	Tap to select Video or Camera mode.
	Tap to set self timer.
	Tap to set camera resolution.

WIRELESS MANAGER

Wireless Manager is an integrated interface that combines Bluetooth, Wi-Fi, Push E-mail, GPS and Phone functions into one page. To manage these wireless connections, tap  Start > Settings > Connections tab > Wireless.

You may also access Wireless Manager from the Today screen or by pressing the Wi-Fi button (unless this user-configurable button has been re-programmed).



NOTE: Tap All Close Turn On/All Close Turn Off to turn on/off all wireless connections. If you only want to turn one connection, such as Bluetooth, tap Bluetooth Turn Off. Tap Settings to set up the individual Wireless Manager connections.

NOTES

Notes helps you quickly capture thoughts, questions, reminders, to-do lists, and meeting notes. You can create handwritten and typed notes, record voice notes, convert handwritten notes to text for easy readability and send notes to others.

Enter information in Notes

There are several ways to enter information in a note. You can enter text using the onscreen keyboard or handwriting recognition software. You can also use the stylus to write or draw on the screen. On devices that support recording, you can create a standalone recording or embed a recording in a note.

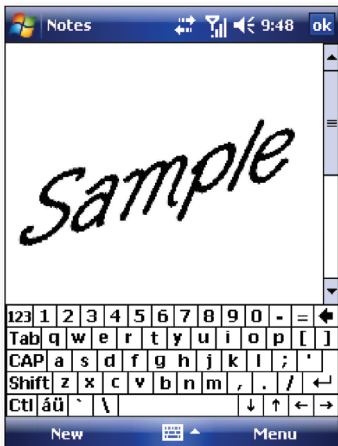
Set the default input mode for Notes

If you frequently add drawings to your notes, you may find it helpful to set Writing as the default input mode. If you prefer typed text, select Typing.

1. Tap  Start > Programs > Notes.
2. In the note list, tap Menu > Options.
3. In the Default mode box, tap one of the following:
 - Writing if you want to draw or enter handwritten text in a note.
 - Typing if you want to create a typed note.
4. Tap OK.

Create a note

1. Tap  Start > Programs > Notes > New.
2. Tap the Input Selection arrow next to the Input Method icon on the menu bar, tap the input method you want, and enter your text.
3. If the Input Selection arrow is not displayed, tap the Input Method icon.
4. When finished, tap OK to return to the note list.



PICTURES & VIDEOS

The **Pictures & Videos** program collects, organises and sorts images and video clips in the following formats on your device.

File Type	File Extensions
Image	*.jpg, *.gif, *.bmp
Video	*.wmv, *.3gp, *.mp4

You can view the pictures as a slide show, beam them to another nearby device, e-mail them, edit them or set them as the background on the Today screen.

Copy a picture or video clip to your device

You can copy pictures from your PC and view them on your device.

- **Connect your device to your PC using ActiveSync.** You can find out more about how to do this in Chapter 6. Then drag the images from your PC and place them in the My Pictures folder on your device.

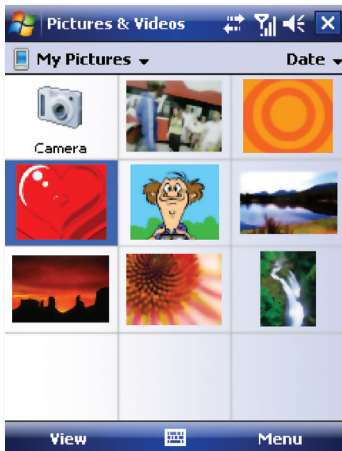
For more information about copying files from your PC to your device, see ActiveSync Help on your PC.



NOTE: You can also copy pictures from your PC to your device using a memory card. Insert the memory card into the memory card slot on your device and then copy the pictures from your PC from the folder you created on the memory card.

View pictures

1. Tap  Start > Programs > Pictures & Videos. The images in the My Pictures folder appear as thumbnails by default.
2. Select a picture to view it. If you cannot find a picture in the default My Pictures folder, go to another folder by tapping the  MY PICTURES icon. A list of other folders will be displayed. Click on a folder name to navigate to access it. This folder will become the default folder the next time you access the Pictures icon.



Play videos with audio

1. Tap  Start > Programs > Pictures & Videos. The video files in the My Pictures folder appear as thumbnails by default, accompanied by a media icon (.
2. Select a video and tap the thumbnail to play it with the built-in Windows Media Player.

View slide shows

You can view your pictures as a slide show on your device. Pictures are shown in full screen view with 5-second intervals between slides.

1. Tap  Start > Programs > Pictures & Videos.

2. Tap Menu > Play Slide Show.

- Tap anywhere on the screen to display the Slide Show toolbar, which you can use to stop or pause the slide show, rotate the view and more.
- Press the Navigation Pad right or left to move forward or backward through the slides.



NOTE: You can specify how pictures are scaled to optimize their display. This is explained under Use advanced options of the Pictures & Videos program.

Sort pictures and video clips

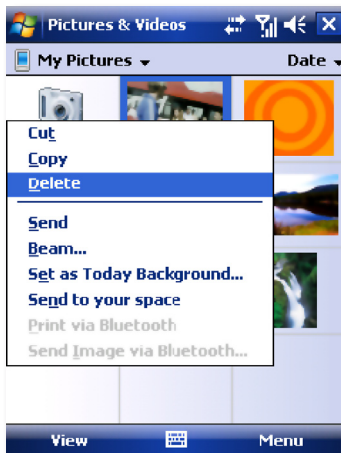
If you store a large number of pictures or video clips on your device, you may find it helpful to sort them to quickly find a specific picture or clip. You can sort by Name, Date and Size.

1. Tap  Start > Programs > Pictures & Videos.
2. Tap the sort list (upper right hand corner) which is labelled Date by default and select the item that you want to sort by.

Delete a picture or video clip

Do any of the following to remove a picture or a video clip:

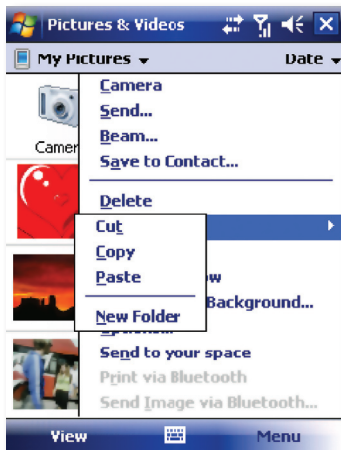
- Highlight a picture or video clip on the Pictures & Videos screen and tap Menu > Delete. Or; Tap and hold the thumbnail of the picture you want to delete, then tap Delete.
- The Window will display the warning "Are you sure you want to delete 'PIC_xxx' ?" Tap Yes to confirm the deletion.



Edit a photo or video clip

You can rotate, crop and adjust the brightness and colour contrast of your photos.

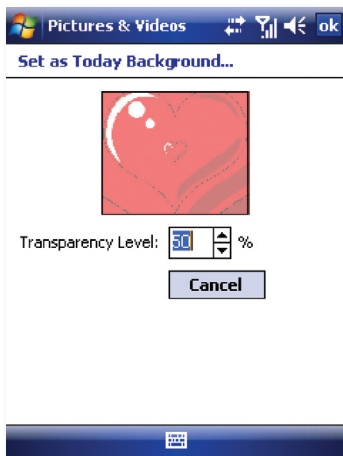
1. Tap  Start > Programs > Pictures & Videos.
2. Tap the picture you want to edit.
3. Tap Menu > Edit, you can cut, copy, paste the picture or video clip or make a new folder.



Set a picture as the Today screen background

You can use a picture as the background on the Today screen.

1. Tap  Start > Programs > Pictures & Videos.
2. Select the picture you want to set as the background.
3. Tap Menu > Set as Today Background.
4. In Transparency Level, select a higher percentage for a more transparent picture or a lower percentage for a more opacity.
5. Tap OK.



Send pictures and video clips via e-mail

You can send pictures and video clips to other devices via e-mail.

1. First, set up messaging to send and receive messages.
2. From Pictures & Videos, select the item you want to send.
3. Tap Send and select one account (such as Outlook E-mail or MMS) to send the attached item.

4. A new message is created with the item attached.
5. Enter the recipient name, subject and tap Send. The message will be sent the next time you synchronize your device.

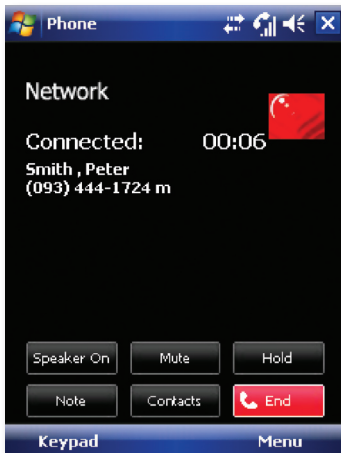


NOTE: Pictures and video clips are saved automatically before they are sent.

Assign pictures to contacts

You can assign a picture to a contact. This picture will be shown alongside the contact's name when it is used, such as when you receive a telephone call from the contact or write an e-mail to him/her.

1. Tap  Start > Programs > Pictures & Videos.
2. Highlight the picture you want to assign to a contact.
3. Tap Menu > Save to Contact.
4. Tap the contact or navigate and tap Select to choose the contact from your Contacts list.

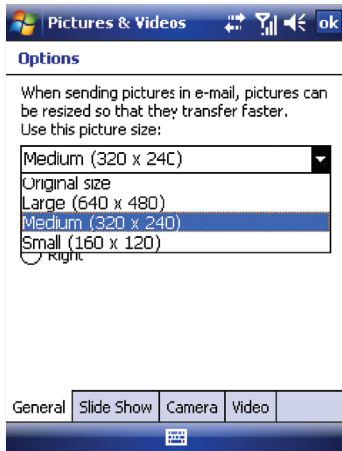


Use advanced options of the Pictures & Videos program

1. Tap  Start > Programs > Pictures & Videos.
2. Select the picture for which you want to configure further settings.
3. Tap Menu > Options. The Options screen appears, allowing you to:
 - Resize a picture so that you can send it faster to someone through e-mail.
 - Configure the view settings during slide shows and activate screensaver options.

Tap Menu > Options > General tab and select the size and orientation of the picture.

Tap Menu > Options > Slide Show tab to optimize orientation and screensaver settings to be applied during slideshows.



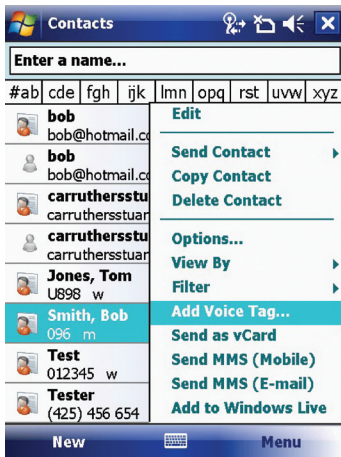
VOICE SPEED DIAL

Voice Speed Dial enables you to record voice tags for contacts or launch programs simply by speaking a single word.

Create a voice tag for a phone number from contacts

- On the Today screen, tap Contacts.

Tap and hold the contact listing to add a voice tag. Select the contact and tap Menu > Add Voice Tag... or open the contact and select the phone number and tap Menu > Add Voice Tag....



Tap the record symbol  to record your voice tag.

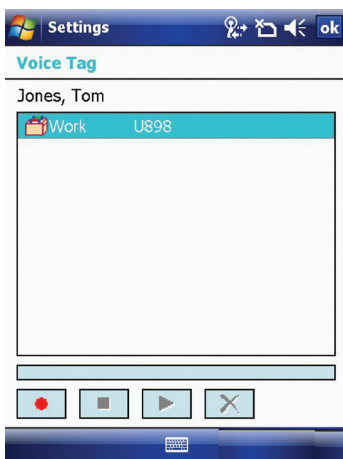
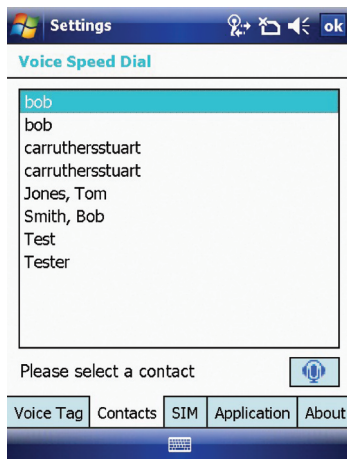
You can also use the controls to stop, play back and delete the voice tag.

Create a voice tag from Voice Speed Dial

1. Tap Start > Settings > Personal tab > Voice Speed Dial.
2. Select the contact or an application from either the Contact tab, SIM tab or Application tab.
3. If adding a tag to a Contact, select the phone number and tap the  icon.
4. Tap the  icon and, after the beep, record your voice tag.

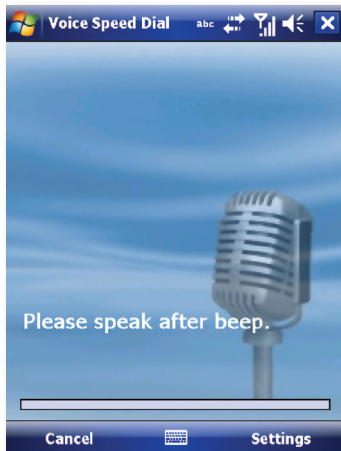
Once done, a voice tag icon will appear to the right of the number.

- To re-record the tag, repeat steps 2-4.
- To delete the tag, select the contact on the Voice Tag tab and tap the delete  icon,



Make a call or launch programs using a voice tag

1. Press the Voice Command button on your device.
2. After a “beep” sound, say the recorded voice tag that you have assigned to the phone number you want to call or the program you want to launch. The system will repeat the voice tag and then dial out or launch the program automatically.

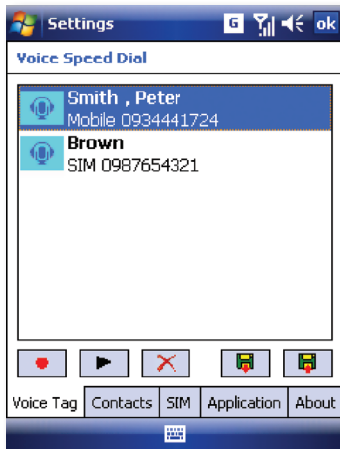




NOTE: If the system can not recognize your voice tag, please speak clearly and reduce the surrounding noise. Then, try again.

To view and test the voice tags you have created

1. Tap Start > Settings > Personal tab > Voice Speed Dial.
2. On the Voice Tag tab, it displays a list that contains all the voice tags you have created.
3. Select an item in the list, and you can do one of the following:
 - Tap the record button () to rebuild the voice tag.
 - Tap the play button () to play the voice tag.
 - Tap the delete button () to delete the voice tag.

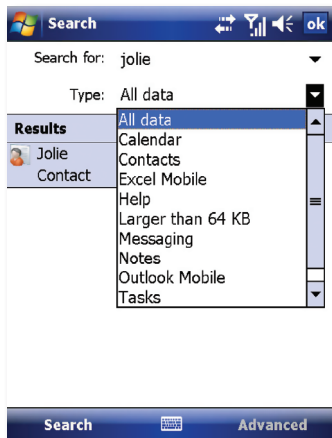


SEARCH

You can search for files and other items stored in My Documents folder or on an installed storage card of your device. You can search by file name or by words located in the item. For example, you can search in e-mail messages, notes, appointments, contacts, and tasks, as well as in online Help.

To search for a file or an item

1. Tap  Start > Programs > Search.
2. In the Search for field, you can:
 - Enter the file name, word, or other information you want to search for.
 - Tap the down arrow icon () and from the list, select one item that you have looked for before.
3. In the Type field, you can tap the down arrow icon () and select a data type from the list to help narrow your search.
4. Tap Search. The system then starts searching the matched files in the My Documents folder and subfolders.
5. In the Results list, tap the item you want to open.

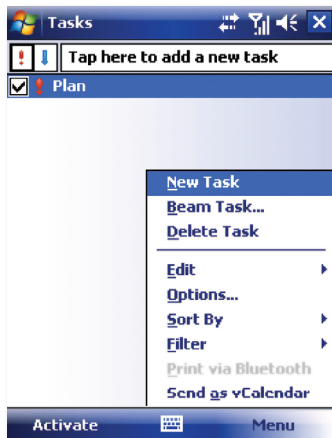


TASKS

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.

Create a task

1. Tap  Start > Programs > Tasks.
2. Tap Menu > New Task or the Tap here to add new task field at the top of the screen. Enter a subject for the task and fill in information such as its start, due date, priority, etc.
3. When finished, tap OK.



NOTE: You can easily create a short to-do type of task. Simply tap the Tap here to add a new task box, enter a subject and press Enter. If the task entry box is not available, tap Menu > Options and select the Show Tasks entry bar checkbox.

Change the priority of a task

Before you can sort tasks by priority, you need to specify their priority levels.

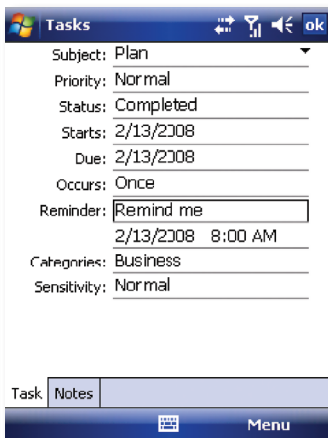
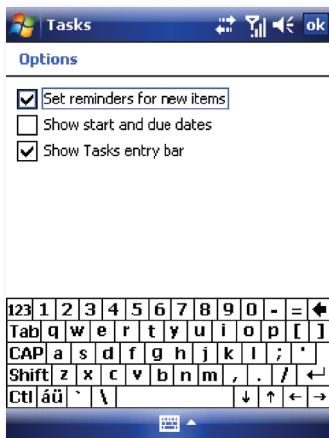
1. Tap  Start > Programs > Tasks.
2. Tap and hold the task for which you want to change the priority.
3. In the Priority list, tap a priority level.



NOTE: All new tasks are assigned a Normal priority by default.

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

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



NOTE: 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

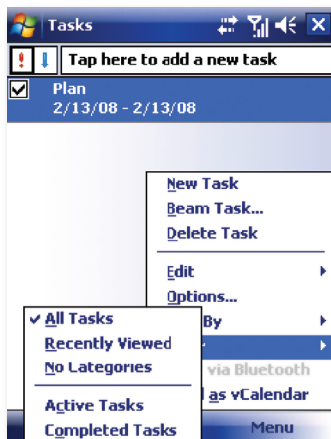
1. Tap  Start > Programs > Tasks.
2. Tap Menu > Options.
3. Select the Show start and due dates check box.
4. Tap OK.



Filter 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. Tap  Start > Programs > Tasks.
2. Tap Menu > Filter > All Tasks, Recently Viewed, No Categories, Active Tasks or Completed Tasks.



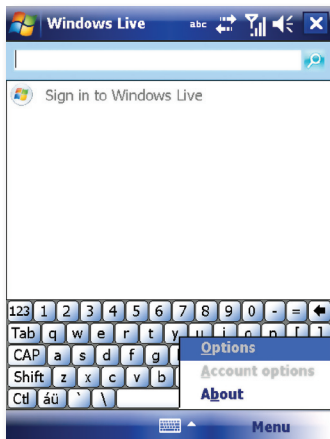
WINDOWS LIVE

Windows Live enables you to send instant messages and e-mail, search for information, directions, maps and images, and have access to your own space.

Full instructions for setting up and using Windows Live are detailed in Chapter 5.

Start Windows Live

1. Tap  Start > Programs > Windows Live
2. After signing into Windows Live, you can tap the green arrows at the top or the green arrows on the Today screen to cycle between Sync, Mail and Messenger.



WINDOWS MEDIA PLAYER

You can use Microsoft Windows Media Player Mobile for Pocket PC to play digital audio and video files that are stored on your device or on a network. Using Windows Media Player, you can play both audio and video files. These are the file formats that are supported by this version of Windows Media Player.

To open Windows Media Player, tap  Start > Programs > Windows Media.

Supported File Formats	File Extensions
Video	
• Windows Media Video	*.wmv
• H.263, H.264	*.3gp
• MPEG4	*.mp4
Audio	
• Windows Media Audio	*.wma
• MP3	*.mp3
• MIDI	*.mid
• AMR Narrow Band	*.amr
• AAC, AAC+	*.aac
• Advanced Systems Format (ASF)	*.asf

About the controls

The following are available controls on the Windows Media Player. From the Window Media Player application, for convenience, many of these functions are also available from the Media Control panel on the Today screen.

Icon	Description	Icon	Description
	Plays a file.		Increases the volume.
	Pauses a file.		Decreases the volume.
	Skips to the start of the current file or to the previous file.		Turns the sound off.
	Skips to the next file.		Displays a video by using the entire screen.
	Adjusts the playback progress of a selected file.		Displays a website where you can find music and videos to play.



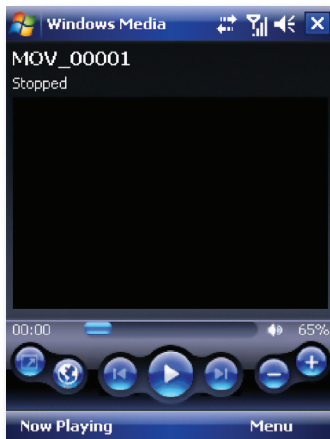
NOTE: You can rewind and fast-forward files by pressing the Navigation Pad left or right.

About the screens and menus

Windows Media Player has three primary screens: the Playback Screen, the Library Screen and the Now Playing screen. At the bottom of each screen is an option called Menu. The commands on this menu change depending upon which screen you are viewing.

Playback screen

The default screen that displays the playback controls (such as Play, Pause, Next, Previous and Volume). If the playback is of an audio file, any album art will be shown in this screen. If the file is a video, it will be shown here.

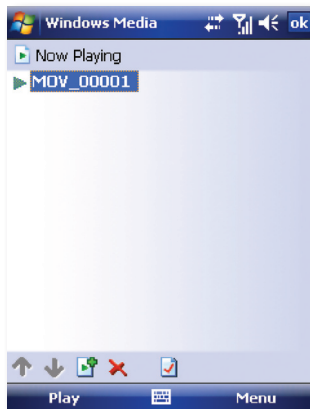


When viewing the Playback screen, the following commands appear in Menu.

Command	Description
Library	Displays the library screen so that you can choose a file to play.
Play/Pause	Starts or pauses the playback.
Stop	Stops playback.
Shuffle/Repeat	Plays the items in the Now Playing playlist randomly / repeatedly.
Full Screen	When a video is playing, tapping this will make the playback fill the entire screen. Touch the screen to return to the Playback screen.
Options	Lets you adjust various Windows Media Player options including: network, skin and hardware options.
Properties	Displays information about the file currently playing.
About	Displays information about Windows Media Player such as the version number.

Now Playing screen menu

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



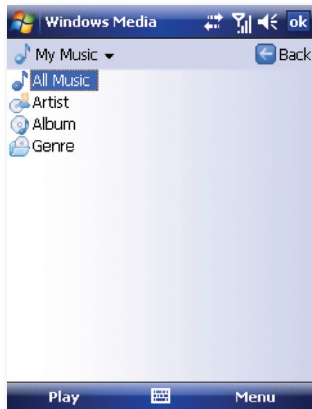
When you are viewing the Now Playing screen, the following commands appear in Menu.

Command	Description
Library	Displays the Library screen so that you can choose a file to play.
Move Up/Down	Moves the selected item up/down in the playlist order.
Remove from Playlist	Deletes the selected item from the playlist.
Shuffle/Repeat	Plays the items in the Now Playing playlist randomly/repeatedly.
Clear Now Playing	Deletes 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.

Library screen

The screen that lets you quickly find your audio files, video files, and plays lists. It contains categories such as My Music, My Video, My TV and My Play lists.

Initially your Library will be empty. While you are viewing the Library screen, Tap Menu > Update Library in order to add new media.



When viewing the Library screen, the following commands appear in Menu.

Command	Description
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 screen.
Library	Displays the Library screen so you can choose a file to play.
Update Library	Adds new items to the library by searching your device or storage card.
Open File	Lets you find and play files that are stored on your device 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.

Copy files to your device

Use the latest version of the desktop Player (Windows Media Player 10 or later) to synchronize digital media files to your device (instead of dragging a file from a folder on your PC to a folder on your device). Using the desktop Player ensures that licenses are copied with protected files.

When synchronizing files, always synchronize them to a storage card that is inserted into your device. Do not synchronize to a storage card that is inserted into a storage card reader. In addition, do not synchronize to the internal storage location in your device. For more information about synchronizing files to mobile devices, see desktop Player Help on the PC.



NOTE: Audio files copy faster if the desktop player is configured to automatically set the quality level for audio files copied to your device. For more information, see desktop Player Help on the PC.

About licenses and protected files

Some content (such as digital media files downloaded from the internet, CD tracks, and videos) have associated licenses that protect them from being unlawfully distributed or shared. Licenses are created and managed by using digital rights management (DRM), which is the technology for securing content and managing its access rights. Some licenses may prevent you from playing files that have been copied to your device. Files that have licenses associated with them are called “protected files.”

For more information about synchronizing files to your device and other mobile devices, see the Help provided with the DRM-enabled desktop player.



NOTE: You can view the protection status of a file by checking its file properties. Highlight the file and tap Menu > Properties.

Play items on your device

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

1. If you are not on the Library screen, tap Menu > Library.
2. On the Library screen, tap the Library arrow (near the top of the screen), then tap the library you want to use (such as My Device or Storage Card).
3. Tap a category (such as My Music or My Playlists). Tap and hold the item that you want to play (such as a song, album, or artist name) and tap Play.



NOTE: To play a file that is stored on your device but is not in a library, tap Menu > Open File on the Library screen. Tap and hold the item that you want to play (such as a file or a folder) and then tap 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 Playback screen, tap OK to close the current screen and display the Playback screen.
2. Tap Menu > Open URL.

3. Do one of the following:

- In the URL box, enter a network address.
- In the History box, tap a URL that you have previously used.



NOTE: To play an item on a network, you must be connected to one. For more information about creating a remote connection between your device and a network, see the Getting Connected chapter in this manual and Connections help on the device.

Troubleshooting

If you encounter a problem while using the Windows Media Player, a number of resources are available to help you troubleshoot the issue.

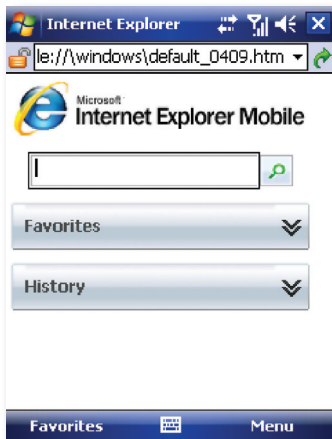
For more information, see the Troubleshooting Windows Media Player Mobile page at the Microsoft website: <http://www.microsoft.com/windows/windowsmedia/player/windowsmobile/troubleshooting.aspx>

INTERNET EXPLORER MOBILE

Internet Explorer Mobile is a full-featured internet browser, optimised for use on your mobile device.

Start Internet Explorer Mobile:

- From the Today Screen, tap  Start > Internet Explorer.



Use Internet Explorer

- To go to a website, tap in the address bar and enter the address of the site.
- Tap the green arrow to the right of the address bar to go there, or tap Go on the bottom left menu option when you have typed in the new address.

Go to a website using the Favorites list

You can store the websites you want to visit most frequently in the Favorites list.

This list can also be synchronized with your PC so that Favorites in your PC are also carried with you on your Pocket PC.

Open the Favorites list

In Internet Explorer Mobile, tap Menu > Favorites.



Go to a webpage on the Favorites list

- Tap on the name of the link to go to that webpage.

Edit the Favorites list

With the Favorites list open, click on the Add/Delete tab at the bottom of the screen. You may select links, edit their names, delete them or add new links.

Add the current webpage to the Favorites list

1. Navigate to a page you wish to appear on the Favorites list.
2. Tap Menu > Add to Favorites.

Transfer favorites from your PC

You can transfer the favorites you have stored on your PC to your device by synchronizing the Internet Explorer favorites on your PC with your device.

1. In ActiveSync on your PC, on the Tools menu, click Options, and select Favorites.
2. In Internet Explorer on your PC, save or move favourite links to the Mobile Favorites subfolder in the Favorites list.
3. Connect your mobile device to your PC. If synchronization does not start automatically, click Sync.

Choose a Homepage

1. In Internet Explorer Mobile, tap Menu > Tools > Options > General tab.
2. Do one of the following:
 - To use the displayed page as your Homepage, tap Use Current.
 - To use the default Homepage, tap Use Default.



NOTE: To open your Homepage, tap Menu > Home.

Change the size of text on web pages

In Internet Explorer Mobile, tap Menu > View > Text Size and tap the size you want.

Show or hide pictures on web pages

In Internet Explorer Mobile, tap Menu > View > Show Pictures. A check mark next to Show Pictures indicates that pictures will be displayed on Web pages.

Change how web pages fill the screen

1. In Internet Explorer Mobile, tap Menu > View.
2. Tap one of the following:
 - One Column: Arranges the content into one column that is as wide as the screen. This means that you will rarely have to scroll horizontally.
 - Fit to Screen: Maintains a layout similar to what you see on a desktop computer, but it makes items smaller and arranges the content so that you can see most of it without having to scroll horizontally.

- Desktop: Keeps the same layout and size as on a desktop computer, which requires both horizontal and vertical scrolling.



Clear the History list

1. In Internet Explorer Mobile, tap Menu > Tools > Options > Memory tab.
2. Tap Clear History.

Save a picture from a web page

1. In Internet Explorer Mobile, tap and hold the picture, and tap Save Image.
2. Do one of the following:
 - To save the picture in My Pictures on your device, tap Yes.
 - To save the picture in another location, such as a storage card, tap Save As.

Change cookies and security settings

Internet Explorer Mobile supports the protocols used by Secure Sockets Layer (SSL). A connection that uses SSL helps send personal information more safely.

Cookies are small files containing information about your identity and preferences so that a page is tailored with information to suit your needs.

The page sends the file and it is stored on your mobile device.

1. In Internet Explorer Mobile, tap **Menu > Tools > Options > Security** tab.
2. Select the checkboxes for the options you want, and tap **OK**.



NOTE: To prevent Internet Explorer Mobile from accepting any cookies, clear the Allow cookies checkbox.

Delete temporary Internet files

Some Web content is stored as you view it to speed up the display of pages you frequently visit or have already seen. You may want to delete these files to free storage space.

1. In Internet Explorer Mobile, tap **Menu > Tools > Options > Memory** tab.
2. Tap **Delete Files**. All pages stored on your device, including offline favourite's content, will be deleted.

OFFICE MOBILE

Office mobile is a suite of mobile Microsoft applications. These applications (Excel Mobile, PowerPoint Mobile and Word Mobile) are cut down versions of the full package available for PCs.

- Access Office Mobile by tapping  Start > Office Mobile.

MICROSOFT WORD MOBILE

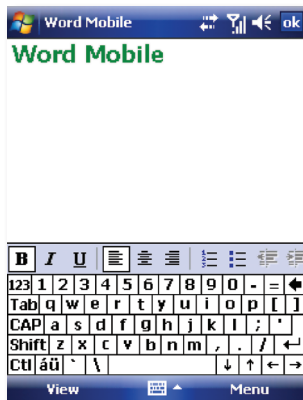
Microsoft Word Mobile is a pocket version of Microsoft Word. Word documents created on your PC can be opened and edited on your device, including documents created in Word 2007 and the .docx format. You can also create and edit documents and templates in Microsoft Word Mobile and save them as *.doc, *.docx, *.rtf, *.txt, and *.dot files.

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.

Open Microsoft Word Mobile

- Tap  Start > Office Mobile > Word Mobile.



Create a new document

- Tap New.

Send a document

To send to another device nearby, you may use Bluetooth beaming.

1. Tap the file you would like to send to another device.
2. Tap Menu > File > Beam...
3. Select the device to which you want to beam the file.

Send via a messaging account

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

1. Tap the file you would like to send out.
2. Tap Menu > File > Send via E-mail.
3. Choose the account from which you wish to send the file (e.g. Outlook, Hotmail, MMS, etc).
4. Type in the recipient address into the e-mail. The file is already attached.
5. Tap Send.



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

Unsupported features in Word Mobile

Word documents created on your PC can be opened and edited on your device. However, Word Mobile does not fully support some features, such as revision marks and password protection. Some data and formatting may be lost when you save the document on your device.

The following features are not supported in Word Mobile

- **Backgrounds.** These are not displayed or saved by Word Mobile.
- **Bi-directional text.** While Word Mobile will open documents containing bi-directional text, the indentations and alignment may be displayed and saved incorrectly.

- Document protection. Using Protect Document on the PC can protect Word documents from unauthorized changes. Word Mobile does not support displaying files that have been protected in this manner.
- Metafiles. These are not retained by Word Mobile; instead, a graphical representation of the object will be displayed.
- Page borders. Lined page borders are supported; however, artistic page borders are not. The graphics will be converted to lined borders.
- Password-protected files. If a password to open has been specified for a document, it cannot be opened in Word Mobile. If a password to modify has been specified for a document, it can be opened in Word Mobile but cannot be modified.
- Shapes and text boxes. These are not displayed or saved by Word Mobile.
- Smart tags. These are not displayed or saved by Word Mobile.

The following features are partially supported in Word Mobile

- Picture bullets. While regular bullets are supported, picture bullets are not. The picture bullets are not displayed or saved by Word Mobile.
- **Revision marks. These are not retained. When a document with revision marks is opened in Word Mobile, the document will appear as though all revision marks have been accepted. When the document is saved, revision marks will be lost.**
- Table styles. Some or all of the formatting defined in the style will be lost when a document is saved by Word Mobile.
- Underline styles. Underline styles not supported by Word Mobile are mapped to one of the four supported styles: regular, dotted, wavy, or thick/bold/wide.
- Legacy Pocket Word files. You can open *.psw files in Word Mobile; however, if you edit a file, you will need to save it in *.doc, *.docx, *.rtf, *.txt, or *.dot format.

The following features are not supported on the device. However, they are retained in the file so that when a file is opened on the PC again, they appear as expected:

- Fonts and font sizes. Fonts not supported by the device are mapped to the closest font available, although the original font will be listed on the device. When a document that has been edited in Word Mobile is opened on the PC, text is displayed in the original font.
- Footnotes, endnotes, headers, footers. These features are not displayed by Word Mobile, but they are retained when a document is edited and saved on the device.

- **Lists.** Indented lists are not displayed on the device in the same way they are displayed on the PC. They are mapped to the closest indentation level supported by Word Mobile. However, the list information is retained in the document, so when it is opened again on a PC, lists are displayed in their original form.
- **Page breaks.** Word Mobile does not display breaks between pages. However, all page breaks except a break placed at the end of a document are retained in the document.

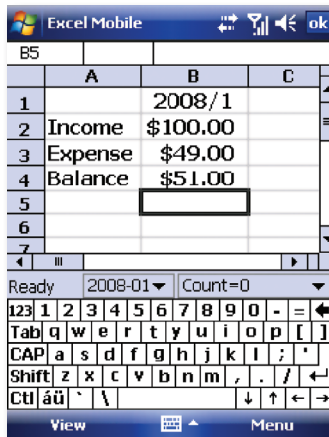
MICROSOFT EXCEL MOBILE

Microsoft Excel Mobile makes it easy for you to open and edit Excel workbooks and templates created on your PC, including spreadsheets created in Excel 2007 and the .xlsx format. You can also create new workbooks and templates on your device.

Run Microsoft Excel Mobile

- Tap  Start > Office Mobile > Excel Mobile.

The program operates much as the desktop PC version, allowing entry of numbers, formulas, text, sorting and auto filtering.



Create a new Workbook

- Tap Menu > File > New.

Send a Workbook

To send a workbook to a device nearby, you may use Bluetooth beaming.

1. Tap the file you would like to send to another device.
2. Go to Menu > File > Beam...

Select the device to which you want to beam the file.

Send via a messaging account

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

1. Tap the file you would like to send.
2. Tap Menu > File > Send via E-mail.
3. Choose the account from which you wish to send the file (e.g. Outlook, Hotmail, MMS, etc).
4. Type the recipient address into the e-mail. The file is already attached.
5. Tap Send.



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

Unsupported features in Excel Mobile

Excel workbooks created on your PC can be opened and edited on your device. However, Excel Mobile does not fully support some features, such as formulas and cell comments. Some data and formatting may be lost when you save the workbook on your device. Note the following regarding Excel Mobile formatting considerations:

- **Alignment.** Horizontal, vertical, and wrap text attributes remain the same, but vertical text appears horizontal.
- **Borders.** Appear as a single line.
- **Cell patterns.** Patterns applied to cells are removed.
- **Fonts and font sizes.** Fonts not supported by your device are mapped to the closest font available. The original font is listed on your device. When the workbook is opened again in Excel on your PC, the data are displayed in the original font.

- Number formats. Numbers formatted using the Microsoft Excel 97 conditional formatting feature are displayed in Number format.
- Formulas and functions. Formulas containing references past row 16384 are replaced with #REF! Also, the following formulas are converted to values:
 - formulas containing functions not supported by Excel Mobile
 - formulas entered as an array or containing an array argument, for example, =SUM({1;2;3;4})
 - formulas containing external link references or an intersection range reference
- Protection settings. If a password to open has been specified for a workbook, it cannot be opened in Excel Mobile. If a password to modify has been specified for a workbook, it can be opened in Excel Mobile but cannot be modified.
- Zoom settings. These are not retained. Excel supports a per worksheet zoom setting, while the Excel Mobile zoom setting is applied to the entire workbook.
- Worksheet names. In a cell in a worksheet, names that reference worksheets within the same workbook are displayed accurately. Names that refer to other workbooks, arrays such as {1;2;3;4}, array formulas, or intersection ranges are removed from the name list. If a name is removed from the list, it is left in formulas and functions, causing those formulas to be resolved as "#NAME?" Tabs that are hidden in the workbook are not hidden in Excel Mobile.
- AutoFilter settings. These are removed. However, you can use the AutoFilter command in Excel Mobile to perform similar functions. If you have an AutoFilter applied to a worksheet that causes rows to be hidden, the rows remain hidden when the file is opened in Excel Mobile. Use the Unhide command to display the hidden rows.
- Chart formatting. All charts will be saved the way they are shown in Excel Mobile. Unsupported chart types are changed to one of these supported types: Column, Bar, Line, Pie, Scatter, and Area. Background colors, gridlines, data labels, trend lines, shadows, 3D effects, secondary axes, and logarithmic scales are turned off.
- Worksheet features. The following features are not supported in Excel Mobile and are removed or modified when a workbook is opened on the device: hidden sheets are not hidden; VBA modules, macro sheets, and dialog sheets are removed and replaced with a place holder sheet; text boxes, drawing objects, pictures, lists, conditional formats, and controls are removed; pivot table data is converted to values.

MICROSOFT POWERPOINT MOBILE

With PowerPoint Mobile, you can open and view slideshows created on your PC in *.ppt, *.pptx, *.pps and *.ppsx format with PowerPoint '97 and later, including slideshows created in PowerPoint 2007. Many presentation elements built into the slideshows such as slide transitions and animations will play back on the device. If the presentation is set up as a timed slideshow, 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.** PowerPoint Mobile is a viewer only.
- **File formats.** Files created in *.ppt format before PowerPoint 97 and HTML files in *.htm and *.mht formats are not supported.

Start a slideshow presentation

1. Tap  **Start > Office Mobile > PowerPoint Mobile.**
2. In the presentation list, tap the slideshow you want to view.
3. Tap the current slide to advance to the next slide.

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

Stop a slide show

In a PowerPoint Mobile presentation, tap and hold a slide and tap End Show.

Navigate between slides

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

1. Tap  **Start > Office Mobile > PowerPoint Mobile.**
 2. Open the presentation you want to view.
 3. Tap **Next** or **Previous**, or tap **Go to Slide** and tap the slide you want to view.
- Tap the current slide to go to the next one.

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

DIRECT VIDEO OUT

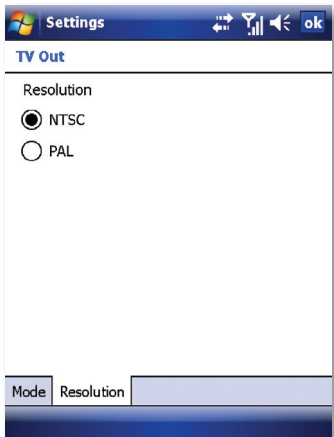
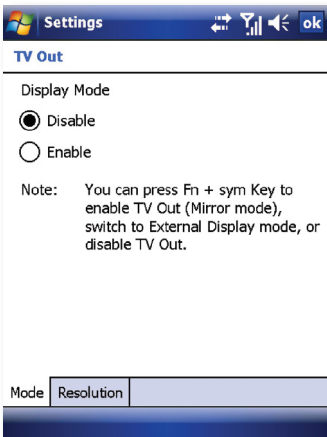
Direct Video Out allows you to display your device's screen on a TV or projector. PAL and NTSC formats are supported.

To connect the device to an external display

1. Plug the direct video out cable into mini USB connector of the device.
2. Plug the other end into your TV or projector, matching the colors on the plugs to the colors of the sockets.

To enable the display:

1. Tap  Start > Settings > System > TV out
2. In the Resolution tab, choose either NTSC or PAL according to your region's local television format.
3. Go to Mode > Enable.



To Disable TV Out

1. On the Today screen, tap  Start > Settings > System tab > TV Out.
2. On the display mode Settings screen, choose disable from the Display Mode list.
3. Turn off the external viewing device and then unplug the video/audio cord.
4. Disconnect cable.

To Enable TV Out

1. On the Today screen, tap  Start > Settings > System tab > TV Out.
2. On the display mode Settings screen, choose Enable.
3. Tap OK.

You can toggle the display mode by pressing Fn + sym keys.



NOTE: Audio output is supported.

SATELLITE NAVIGATION SYSTEM

The Global Positioning System (GPS)

Your i-mate Ultimate 8502 device uses the worldwide Global Positioning System (GPS). Accessing signals from a constellation of at least twenty-four medium Earth orbit satellites, the GPS receiver built into your device obtains data from which navigation software can determine the receiver's location, speed, direction, and time. To use the capabilities, you need to add some navigation software and maps.

Navigation Applications

You are not restricted to one type of satnav software. You can choose from a wide range of third-party navigation applications written to run on Windows Mobile 6 Professional.

The following are examples of commercially available programs:

GPS Suppliers	Website
CoPilot Live	www.alk.eu.com
Navigon MobileNavigator	www.navigon.com
Papago	www.matlastech.com
Route 66 Navigate	www.66.com
TomTom Navigator	www.tomtom.com
Wayfinder Navigator	www.wayfinder.com

Some suppliers provide a trial version so that you can check compatibility and assess whether you like the functionality and maps offered before committing to a purchase. i-mate does not endorse or guarantee compatibility of the programs mentioned and in addition new versions are likely to be released by third-party suppliers in the future which were not published at the time of writing.

Other navigation software is available and some are entirely free of charge. The functionality and map data is likely to be much more restricted in freeware but can be easily tried out on your device. Some navigation software can show you your personal location but does not offer turn-by-turn directions, for example.

At the time of writing, the following are a few examples of the satnav freeware available for various uses: Google Maps for Mobile, GPSGO, GPS4PPC and Microsoft Live Search for Windows Mobile.

Remember that you may incur data charges when downloading or uploading data over the cellular network. In particular, applications that download map data on demand may cause data transfer charges to be incurred, depending on your contract with your cellular service provider.

Details of further GPS solutions, covering specific regions, will be available at www.imate.com.

Memory capacity

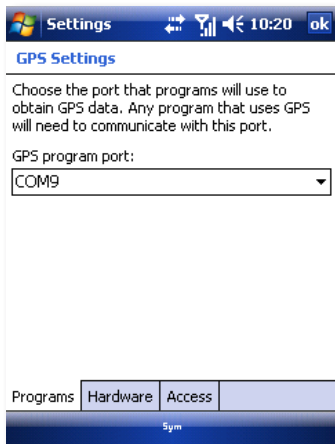
If you wish to store large maps on the device, it is recommended that you purchase a 2GB microSD memory card. Alternatively, some route builder applications allow you to prepare a customized map for a journey on a desktop PC, in which case you can save space by exporting only your customized maps to the device. Some applications use remote mapping so you do not need to store the unused maps on your device – and that means you do not have to take any action to update these maps either.

Stamp your photographs with your GPS co-ordinates

In the integrated Camera application, you can switch on GPS Information if you would like the location at which photograph is taken to be automatically stamped on each picture. With the still picture camera open, select the settings icon, scroll along to GPS and tap: On and stamp on the photo.

Configure the GPS receiver

The navigation application that you install will need to know either that it can communicate with the GPS receiver using a COM port number or by using an intermediate driver. When using a COM port number, it appears to the application effectively the same as being connected to an external GPS receiver – this is known as a virtual COM port.



Since both methods of communicating the GPS data to the applications are supported, this provides compatibility with a wider range of third-party software.

1. In Wireless Manager, tap Menu > GPS Setting.
2. On the Programs tab, from the drop-down list select the GPS program port number that you want the operating system to use for communication with the GPS receiver.
 - If the application can use the intermediate driver, select a port number starting with GPD. (TIP: If in doubt, it is recommended that you try this type of port first.)
 - If the application must use a COM port, select a port number starting with COM.
3. The Hardware tab is relevant only if using an external GPS receiver. If using the internal GPS receiver, do not worry about the settings on this tab.
4. On the Access tab, you can control whether or not the Windows Mobile 6 operating system applies extra measures to take care of managing access to the GPS device. Leave a check mark in the Manage GPS automatically box unless you find that your application will not work with this setting.

External GPS receiver

You do not need to attach any external device in order to use the integrated GPS receiver. However, the operating system optionally supports the use of an external GPS attachment. If you wish to attach an external Bluetooth-enabled device, pair the device via Bluetooth and proceed with the configuration described above. In addition you need to configure the following settings on the Hardware tab:

- In **Wireless Manager**, Menu > **GPS Setting** > **Hardware** tab:
- 1. Select the **GPS hardware port** number to be used by the external GPS receiver from the drop-down list.
- 2. Choose a **Baud rate** which is compatible with the external GPS receiver. In general, for best performance, pick the highest baud rate from the drop-down list that is supported by the hardware. This is the speed at which the data is transferred between the devices.

Enable GPS

After completing the settings for the GPS function, enable the integrated GPS receiver as follows. However, if using an external GPS receiver, ensure that the internal receiver remains off.

1. Tap **Start** > **Programs** > **Wireless Manager**.
2. Tap the round **GPS** icon to turn the GPS receiver function on or off. The icon changes to a brighter color when the function is on.



NOTE: Turning on the GPS receiver increases the power consumption and reduces battery life. To extend battery life, it is recommended to switch off the GPS receiver except when you require to use it.

Configure your satnav application

Some applications will work with default settings without requiring any further configuration but others require some information about the port number to use. For example, if the application uses a COM port, it may need to be told the COM port number that you picked above so that it can communicate with the GPS receiver. This would typically be configured within the settings menu of the application itself. If the settings menu offers the option to allow the Windows Mobile operating system to manage the

settings, it is recommended that you try this before attempting manual configuration.

For more information on the settings and general operation of the navigation program, please refer to the help provided with the third-party application.

Guidelines for specific applications will also be made available on www.imate.com.

Maintain Your Device

Reset Your Device

Manage Your Program Memory

Maintaining Your Device **Chapter 8**

MAINTAIN YOUR DEVICE

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

- Keep the phone in a dry environment. If the phone or battery were to get wet due to misuse, this could invalidate the manufacturer's warranty.
- Do not use the phone with wet hands to avoid shocks and risks of water entering in the device, which increases the risks of damage to internal circuits. This also applies if you have to replace the SIM/USIM 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 run the risk of the smaller components being swallowed.
- 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 avoid storing the phone in cold environments. When the phone is switched on and warms to its normal operating temperature, moisture can form inside the device, which may damage the circuit boards.
- Avoid dropping or any hard knocks to the phone as they can damage the internal circuit boards.
- If you need to clean the phone, wipe it with a soft clean cloth – avoid the use of cleaning solvents or detergents. DO NOT use water to clean the LCD screen.
- Do not attempt to re-spray or paint the phone.
- Do not keep the phone in or near heat sources such as radiators or microwave ovens – this can cause the battery inside the phone to overheat and explode.
- Ensure 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, do not attempt to service or repair the device yourself as this may invalidate the terms of the warranty with the device provider.

An authorised service provider should carry out repairs. You should contact clubmate to help you to diagnose the issue. You can contact them by visiting our site at <http://www.imate.com>.

RESET YOUR DEVICE

Occasionally, you may need to reset your device. 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 “Clean Boot”). Master Clean 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 Normal (Soft) Reset

Using the stylus, press the recessed RESET button which is located under the battery cover. Alternatively, remove the battery for a minute and then replace it.

Hard Reset (Clean Boot)

Hard reset by accessing the Master Clear Application:

1. Tap **Start > Settings > System** tab then select **Master Clear**.
2. Enter confirmation code and tap **Yes** to confirm.



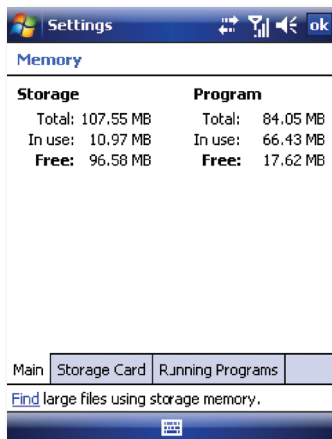
Warning: Master Clear will restore your unit to its default factory settings. All user data and programs on the device will be deleted.

MANAGE YOUR PROGRAM MEMORY

You may need to stop a program if the program memory is low or if the application stops responding.

To see how much memory is available

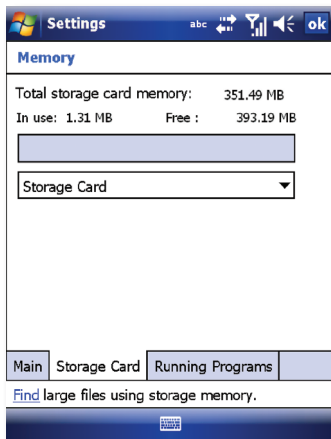
1. Tap  Start > Settings > System tab > Memory.
2. On the Main tab, the amount of memory allocated to file and data storage versus program storage is displayed, as well as the amount of memory in use versus the available memory.



See available storage card memory

You can see how much memory is available on a storage card that is inserted in your device. To stop running programs and to free memory for running more programs.

1. Tap  Start > Settings > System tab > Memory.
2. Tap the Storage Card tab.





Battery Information

PC System Requirements for ActiveSync 4.5

Regulatory Notices

Specifications

Appendix

The bottom of the page features a series of overlapping, wavy horizontal bands in various shades of blue, creating a stylized, abstract landscape effect.

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.

Battery life estimates (approximations)

- Talk time: 260 mins / Standby time: 180 hours.

To check the battery power

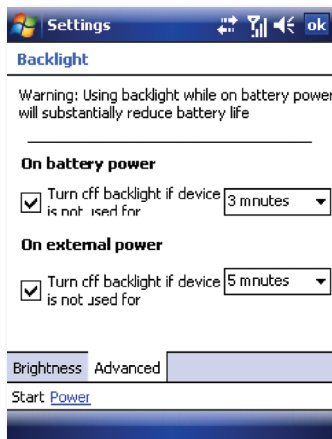
- Tap  Start > Settings > System Tab > Power.

OR:

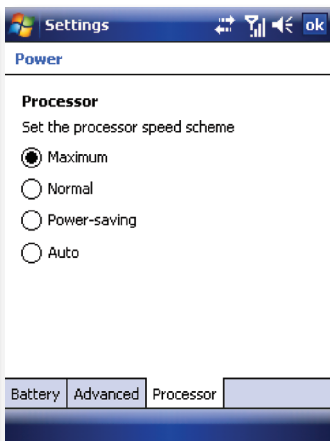
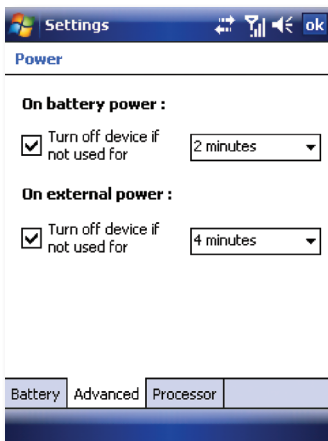
- On the Today screen, tap the battery icon .

To optimize the power performance

- Tap  Start > Settings > System Tab > Backlight, and adjust the automatic turn-off durations and brightness levels to conserve power.



- Tap  Start > Settings > System > Power > Advanced tab



Turn off device if not used

- Tap  Start > Settings > System > Power > Processor tab.
- Maximum: Best device performance
- Power-saving: Best battery life

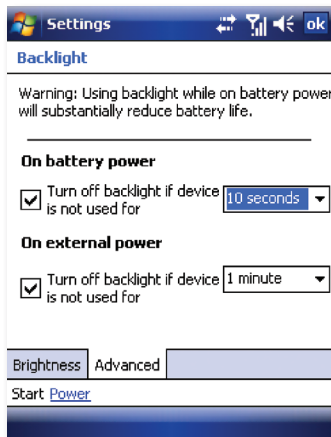
Charge a flat battery

- Always use the original 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. Synchronize with your PC to charge the device.
 4. Turn off your phone.
- Tap  Start > Setting> System > Backlight

Change length of time keyboard backlight is on. The shorter time, the better the battery performance.



WARNING! Danger of explosion exists if a 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.



PC SYSTEM REQUIREMENTS FOR ACTIVESYNC 4.5

At the time of writing this manual, the following requirements for ActiveSync 4.5 were published on Microsoft's website at:

<http://www.microsoft.com/windowsmobile/activesync/activesync45.msp>

Supported Operating Systems

Windows 2000 Service Pack 4; Windows Server 2003 Service Pack 1; Windows Server 2003 Service Pack 1 for Itanium-based Systems; Windows Server 2003, Standard x64 Edition; Windows XP Media Center Edition; Windows XP Professional x64 Edition; Windows XP Service Pack 1; Windows XP Service Pack 2; Windows XP Tablet PC Edition.

Microsoft Outlook XP, Microsoft Outlook 2003 or Microsoft Outlook 2007 messaging and collaboration clients are required for synchronization with the desktop or portable computer of e-mail, calendar, contacts, tasks and notes. (Outlook 2007 is recommended.)

Microsoft Internet Explorer 6. or later (required)

Microsoft Office XP, Microsoft Office 2003, or Microsoft Office 2007

Microsoft Systems Management Server 2.0

REGULATORY NOTICES

Agency identification numbers

For regulatory identification purposes, your product (i-mate Ultimate) is assigned a model number of 8502.

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

This product is intended to be charged only from an i-mate Ultimate 8502 approved battery charger (rated 5V dc, 1A).

European Union Declaration of Conformity

The CE marking indicates that the product to which it is affixed complies with all the applicable Directives of the European Parliament and Council of the European Union, in particular the Radio & Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC.

The i-mate Ultimate (also known as model 8502) conforms to the following European Norms:

- EN 60950-1:2001 (IEC 60950-1 (Modified)) - Information technology equipment - Safety - Part 1: General requirements.
- ETSI EN 301 511 V9.0.2(2003-03) - 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 EN301 908-1 V2.2.1 and EN301908-2 V2.2.1 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Base stations (BS) and User Equipment (UE)... Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (UE) covering covering essential requirements of Article 3.2 of the R&TTE directive.
- ETSI EN 300 328 V1.7.1 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Wide-band transmission systems; Data transmission equipment operating in the 2,4 GHz band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE directive.
- ETSI EN 301 489-1 V1.7.1 - 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 V1.3.1 - 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).

- ETSI EN 301 489-17 V1.2.1 - Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5GHz high performance RLAN equipment.
- ETSI EN 301 489-24 V1.3.1 - Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) for radio equipment and services; Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) for mobile and portable (UE) radio and ancillary equipment.
- ETSI EN 300 440-1 V1.3.1(2001-09) - Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods
- ETSI EN 301 489-3 V1.4.1 (2002-08) - Electromagnetic compatibility and Radio spectrum matters (ERM); EMC standard for radio equipment and services standard for radio equipment and services; Part 3: Specific conditions Short range devices (SRD) operating on frequencies between 9kHz to 40GHz
- EN 50371:2002 - Generic standard to demonstrate the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10MHz - 300 GHz) - General public.
- 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).

SAR value: 0.727 W/kg @10g (CE)

CE0682!

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 manufacture-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. It may be prohibited 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 centers use of this product is forbidden.

Heed service markings

Except as explained elsewhere in the User Manual, do not service any product yourself. Service needed on components inside these compartments should be done by an authorized 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 ventilation, 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 soft cloth for cleaning, but NEVER use water to clean the LCD screen.

SAR information

SAR value: 0.727 W/kg @ 10g (CE)

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

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 general household waste. You are liable to dispose of all your electronic or electrical waste equipment by transferring it to a specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserve natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and the environment.

For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, town or county council, household waste disposal service, shop from where you purchased the equipment or manufacturer of the equipment.

8502 SPECIFICATIONS

Platform

- Microsoft Windows Mobile 6 Professional

Dimensions

- 55mm(W) X 116mm(L) x 15mm(T)
- 140g with battery pack

Processor/ Chipset

- 400 MHz Qualcomm® MSM 72006

Memory

- 256 MB ROM
- 128 MB RAM

LCD Module

- 2.6" QVGA (320 X 240) Touch-screen
- 65k color TFT with backlight

Radio Function

- GSM / GPRS / EDGE
- Quad-band 850 / 900 / 1800 / 1900 MHz
- GPRS class 12
- EGPRS Multislot Class 12
- Tri-band UMTS / WCDMA
- Band 1 (2100 MHz)
- Band 2 (1900 MHz)
- Band 5 (850 MHz)
- Diversity for Band 1
- HSDPA and HSUPA
- Services
- Speech Services with HR/EFR/FR/AMR codec
- Emergency call
- DTMF tone generation
- Call holding, waiting, forwarding, barring
- SMS
- SIM function
- 3V/1.8V uSIM operation
- SIM application toolkit
- Internal Antenna

Keyboard/ Buttons

- 37-key Qwerty keypad
- Power button
- Send and End buttons
- Camera button
- Volume up and down
- Two (2) software programmable buttons
- Two (2) soft-keys
- Start and OK buttons
- 5-way navigation
- 360° Jog wheel and OK / Back
- Soft reset

Notification

- Three-color LED (Green/Red/Amber)
- Green indicates network status, Bluetooth and Wifi
- Amber indicates GPS status
- Red indicates event notification

Multimedia

- Supports AAC, AAC+, MP3, Midi, AMR, ASF, WMA/Æ
- Full duplex speakerphone
- Integrated microphone and receiver
- One 2.5mm earphone jack with stereo sound
- Advanced Echo Cancellation
- Supports: H.263, H.264, MPEG4, WMV®

Power

- Removable 1660mAh, Lithium Ion-Polymer battery

Camera

- 2.0 Megapixel fixed-focus
- LED compensation light

Connectivity

- GPS - Integrated Qualcomm® GPS hardware solution with internal antenna
- WiFi 802.11 b/g
- Bluetooth QD ID: B013198
- Class 2 transmit power
- Supported profiles
- ActiveSync, Advanced Audio Distribution Profile (A2DP), Audio/Video Remote Control Profile (AVRCP), Basic Imaging Profile (BIP), Basic Printing Profile (BPP), Generic Access Profile (GAP), Hands Free Profile (HFP), Headset Profile (HSP), Human Interface Device (HID), Internet sharing, Object Push Profile (OPP), Personal Area Network (PAN), Serial Port Profile (SPP)

Inbox Accessories

- AC adapter
- USB Sync cable
- Direct Video Out cable
- Stereo headset with microphone
- Leather pouch
- Stylus

Interface

- Combo port for USB, TV + Audio output, Charging
- MicroSD™ card slot
- Audio jack (2.5mm)
- SIM card slot

Included Software

- Windows Outlook Mobile: Calendar, Contacts, Messaging, Tasks, Windows Push Mail
- Excel Mobile, PowerPoint Mobile, Word Mobile
- Internet Explorer Mobile
- Windows Media Player 10 Mobile
- ClearVue PDF viewer
- i-mate GPRS Configurator for WAP and MMS
- Profile Controller
- Picture & Video Viewer
- ActiveSync Client
- Windows Live Messenger
- Calculator
- Voice Notes
- File Explorer
- MMS Client: MMS 1.2 supported
- Java Virtual Machine (J2ME, CLDC 1.1, MIDP 2.0)
- SIM Manager
- Video Calling
- Voice Speed Dial

Regulatory

- R&TTE, SAR
- QBQ, WIFi
- FCC, CE, CB
- Windows Mobile Logo (NSTL)
- i-mate_ULT8502_12.07.07V7
- Bluetooth QD ID: B013198

