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CHAPTER 1

GETTING STARTED

This chapter introduces you to the external components of your phone, and guides you through the process of setting up your phone for use.

1.1 Identifying Hardware Components

The illustrations below introduce you to the various buttons, connectors, ports and features of your phone.

Front and Back Components



Ref	Component	Description
1	Earpiece	Serves as the phone earpiece during a call.
2	Touch Screen	Displays the output of your phone. Tap the screen with the stylus to select menu commands or enter information.
3	Talk Button	Dials or answers a call. Press during a call to put the call on hold.
4	Second Camera	Use this camera for video call conversations.
5	Interaction Navigation Control Screen	Touch this multi-directional interaction navigation control up, down, left, or right to move through menus or programs.
6	End Button	Ends or rejects a call. Returns to the Today screen from another program. Press and hold the button for 3 seconds will lock the phone.
7	Speaker	Plays back music, sounds and voice.
8	Camera Lens	Takes still pictures or records video clips.
9	Back Cover	To remove or replace the battery, push and slide out the battery cover.

Left-Side, Right-Side and Top Components



Ref	Component	Description
1	Stylus	Use the stylus to write, draw or select items on the touch screen.
2	Volume±/ Zoom in/out	Press to adjust the volume in Standard mode; or zoom in/out in Camera mode.
3	Camera & Video Button	Press to launch the camera function and take a picture or record high quality video.
4	Micro SD Slot	Open MicroSD slot to access microSD Card Slot and insert SD Card. (NOTE: Be certain to insert microSD card in proper orientation.)
5	Mini-USB Connector	Connect the USB data cable to a computer for synchronization of Direct Video Out function.
6	Power Button	Press to turn off the display temporarily. To turn off the power, press and hold for about 5 seconds.
7	Silent Button	Press Silent Button to mute both the system and ring volume.

1.2 Installing the USIM/SIM Card and Battery

After applying for an account with a mobile phone service provider, you will be provided a Universal / Subscriber Identification Module (USIM/SIM) card. This card contains your mobile phone account details, contacts that can be stored and any additional services to which you have subscribed.

You must install a SIM/USIM card before you can use the phone feature.

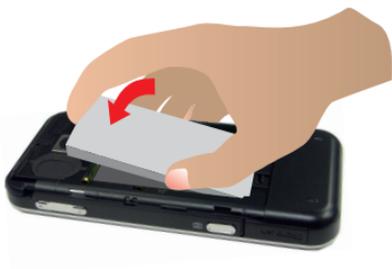
1. Make sure your phone is turned off.
Pull the battery cover catch up (away from the battery cover) and lift the battery cover up to remove it.



2. Lift the battery to remove it. Then, insert the SIM/USIM card into the SIM card slot with its gold contacts facing down (the cut-off corner of the SIM/USIM card should match the cut-off corner in the slot).



3. Replace the battery and gently push down to fit it into place.



4. Replace the battery cover.
Remove the protective transparent plastic films from the phone.

1.3 Turning the Phone On and Off

Turning On for the First Time

1. Make sure that the phone is connected to AC power or the battery has power.
2. Press and hold the Power button for 3 seconds to turn on your phone.

The backlight of the keypad will glow, and the setup wizard will appear on the screen.

3. Follow the on-screen instructions to complete the setup wizard.
4. If a SIM card has been inserted, and the service provider (or you) has set the PIN, you will be prompted to enter the PIN.

Enter the PIN and tap **Enter**.

If a SIM card has not been inserted yet, a message of an invalid or missing SIM card will appear on the screen.

You can tap **Cancel** to continue the startup procedure.

5. You will then see the **Today** screen.

If a SIM card has been inserted, the phone will start to search the mobile phone network and the service provider's name will be displayed on the screen.

6. Tap **Yes** to proceed.

Entering the Suspend Mode

By default, the phone will automatically suspend after 1 minute of inactivity when operating on battery power. You can press the Power button to resume the phone.

In the suspend mode, if a SIM card is inserted, the charge indicator will flash in green, indicating that the phone is inside the mobile phone network.

The phone will automatically resume upon an incoming call, and ring (or vibrate, depending on your setting) and display the caller's phone number and name on the screen.

To change these settings, tap  > **Settings** > **System** > **Power** > **Advanced**.

1.4 Installing Microsoft ActiveSync

You can use Microsoft ActiveSync technology to synchronize information on your computer and/or a Microsoft Exchange Server with the information on the phone. ActiveSync compares the information on the phone with the information on the computer and/or the server and updates all locations, keeping you up-to-date with the most recent information.

ActiveSync is already installed on the phone. You need to install ActiveSync 4.5 on your computer using the supplied Getting Started Disc or from the Microsoft web site (www.microsoft.com).



NOTE: If you use Windows Vista, you do not need to install Microsoft ActiveSync on your computer. Your synchronization settings will be managed through the Windows Mobile Device Center. For information on the Windows Mobile Center, see the Windows Vista Help or documentation.



CAUTION:

- Before installation, make sure that you have Microsoft Outlook installed on your computer.
 - Connect the phone to the computer AFTER ActiveSync is installed.
 - In some specific cases, the phone may experience connection problems when it is connected to a Windows computer running ActiveSync. The problems may be caused by the interoperability with desktop firewall applications, applications that manage network traffic, or LAN configuration tools. To resolve the problems, tap  **Settings > Connections > USB to PC**, clear the **Enable advanced network functionality** check box, and then tap **ok**.
-

Follow the procedure below:

1. Turn on your computer.
2. Insert the supplied Getting Started Disc into the CD-ROM drive of your computer.
3. On the first screen, select the desired language and click **Next**.
4. Click **Setup and Installation**.
5. Make sure that the ActiveSync item is selected. Click **Install**.
6. Click **Accept** and the installation will start. The installation may take some time. Please be patient.
7. After the installation is complete, click **Close** to quit the "Installation Wizard".
8. Connect the phone to the computer: connect the mini-USB end of the USB cable to the phone, and the other end to a USB port on your computer.
9. The "Add New Hardware Wizard" should automatically install the USB driver.
10. Follow the on-screen instructions to establish a partnership and synchronize the phone with your computer.
11. Click **Finish**.



After your first synchronization, the data you have stored on your computer such as Calendar, Contacts and Tasks is copied to the phone. You are now ready to take it along with you when you go.



NOTE: If you have set a phone password, you will need to enter this password on the computer for the ActiveSync connection.

1.5 Charging the Battery

Fully charge the battery before starting to use the phone for the first time.

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

1. Plug the charger to the AC adapter **1**.
2. Connect the DC end of the AC adapter to the Mini-USB connector of the phone **2**, and plug the other end of the AC adapter into a wall outlet **3**.
3. The charge indicator glows in amber when charging is in progress. Do not disconnect the phone from AC power until the battery is fully charged, as indicated by the red indicator turning into green. This will take a couple of hours.



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



NOTE:

- The look of the charger varies depending on the region of your purchase.
 - Your phone can also be charged when it is connected to a computer via the USB cable.
-



CAUTION:

For optimal performance of the lithium battery, take note of the following:

- The environment temperature for charging should be 0~40°C.
 - When a battery is fully discharged due to a long period of usage or idleness, connect the phone to AC power for charging, and wait for at least 5 minutes before turning it on.
 - Do not charge the battery where the temperature is high (e.g. in direct sunlight).
 - There is no need to fully discharge the battery before charging. You can charge the battery before it is discharged.
 - 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. Over discharge of the battery can affect the charging performance.
-

1.6 Expanding Your Phone

Using a Micro SD Card

Your phone has a Micro SD slot where you can insert an optional Micro SD storage card. With the removable memory, you can store or backup your data and exchange data with other phones.

To use a Micro SD card, open and rotate the rubber cover and then insert the card into the slot, with the connector pointing to the slot and its label facing the back of the phone. Follow the instructions supplied with the card for more information.



To remove a card, first make sure that no application is accessing the card.

Then slightly push the top edge of the card to release it and pull it out of the slot.



NOTE:

- A storage card is also called a memory card.
- Make sure that no foreign objects enter the slot.
- Mobinnova Corp does not guarantee the product's compatibilities with the Micro SD cards from all manufacturers.

Using the Earphones

The earphones allow you to talk conveniently using a hands-free solution.



Use the answer button for the following operations:

- Press to answer an incoming call.
- Press during a call to end the call.



- 2.1 Using the Stylus
- 2.2 The Today Screen
- 2.3 Navigation Bar and Toolbar
- 2.4 Customize today screen background
- 2.5 ICE Home
- 2.6 Entering Information
- 2.7 Status Icons
- 2.8 Securing Your Phone

CHAPTER 2

BASIC SKILLS

This chapter familiarizes you with the basic operations of the phone such as using the stylus, OLED, Today screen, menus, and programs. You will also know how to enter information and lock the phone.

2.1 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.



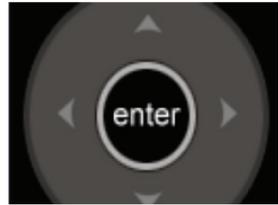
Using the Action button/Navigation Pad

The OLED (see illustration) area operates mainly in two different modes; Information & Control modes

Information mode: Show indicators such as Digital Clock, Battery Meter, RSSI (radio signal strength indicator)...etc.

Control mode: serves as touch pad for dynamic controls:

- Mainly served as 5-way navigation keys
- With the OLED navigation, 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 enter button allowing you to activate the selected item.



Conserve Battery Power

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

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



2.2 The Today Screen

When you turn on the phone for the first time each day, you will see the Today screen. The Today screen is accessible from anywhere by tapping  and then **Today**.

The Today screen shows your upcoming appointments, active tasks, and information about e-mail messages. Along the top of the Today screen you will see the volume icon, the clock, and connectivity indicators. You can tap a section of the Today screen to open the program that is associated with that section.



NOTE: You can customize what is displayed on the Today screen by tapping  > **Settings** > **Personal** > **Today**.

Landscape View

You can use the phone in a landscape mode.

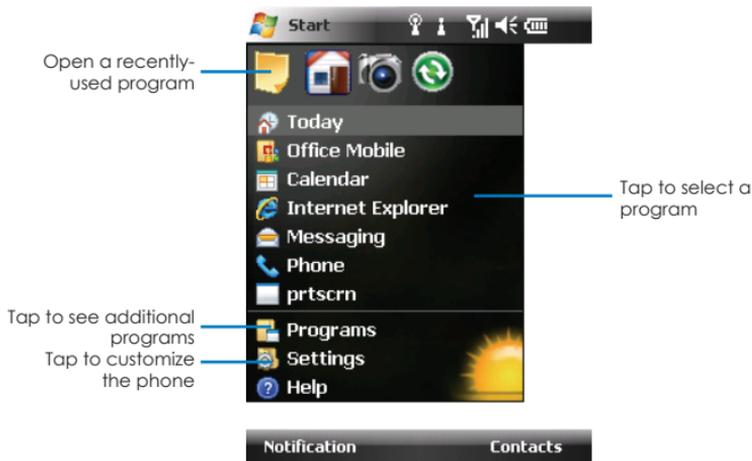
To change the screen view, tap  > **Settings** > **System** > **Screen**.



2.3 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:



2.4 Customize today screen background

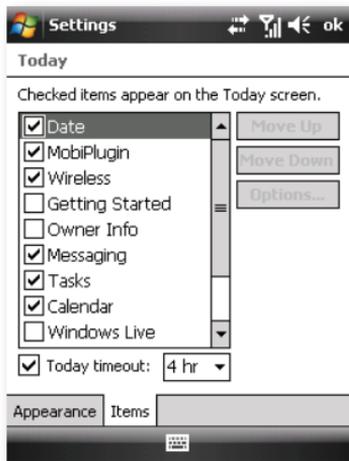
You can use On the Screen Display Bar on the Today screen to quickly switch to specific programs.

By default, you can use on screen display bar to access the programs:

On the Quick Launch Bar. You can tap  > **Settings** > **Personal tab** > **Today** to customize up to 8 items to be displayed on the Quick Launch Bar.

First cancel the item not to be displayed, and then select the desired item. You can tap **Move Up** and **Move Down** to adjust the displayed positions of the items.

When finished, tap **ok** to save the setting.

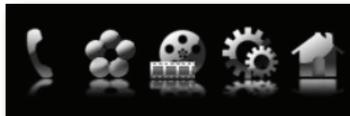


2.5 ICE Home

ICE Home Quick Menu is located at the bottom of the screen. You can use the Quick Launch Bar to quickly switch between programs or launch applications.

By default, each function key has different functions. You can use the Quick Launch Bar to access the following programs (from right to left):

- mobiToday
- Settings
- Multimedia
- Applications
- Telephone



Icon	Items	Description
	mobiToday	<p>Except for the start menu  you can use the Quick Launch Bar [mobiToday] to quickly switch between WM Today and mobiToday.</p> <p>mobiToday gives you up-to-date local information at a glance, such as weather, time and date information, and displays missed calls and new messages and calendar.</p>
	Settings	Moving to the Setting page, you can use the launch control center to set the sounds, connectivity, display and system.
	Multimedia	In the Multimedia page, you can enter the Picture&Videos page, and launch the Camera, Window Media and FM Radio Player applications.
	Applications	Moving to the applications page, you can enter E-mail, SMS/MMS and the Favorite programs page, and additionally you can launch Windows Live, Messenger and Internet Explorer applications.
	Telephone	In the Phone page, you can enter contacts and the call history page, and you can launch the phone dialer, mobiFriends and Voice speed dial applications.

mobiToday

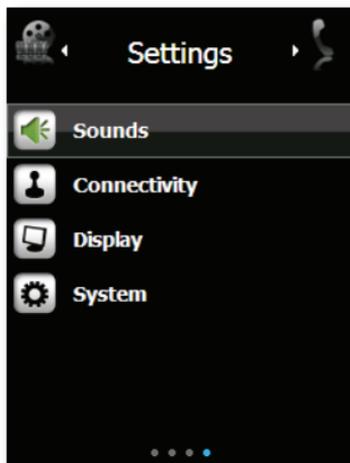
The mobiToday application can get the date and time, alarm clock state, different city's weather information, and you can launch other different applications from mobiToday.

1. Tap mobiToday. Another way is set mobiToday as the default Today by Control Center.
2. The Home tab displays the current WorldWeather, WorldTime, and an Alarm icon that indicates whether the alarm is on or off. Missed calls, missed messages, and your upcoming calendar appointments are also shown on the mobiToday tab.



Settings

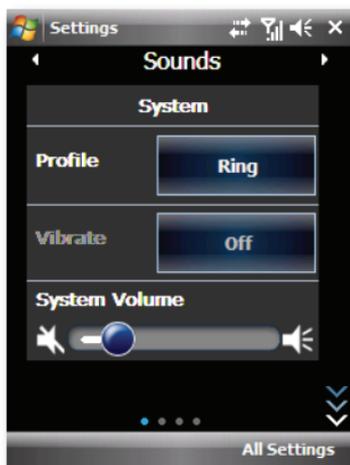
The setting tab allows you to quickly change sound settings such as ringtone and tap connectivity to set up connections; the corresponding connections can be opened or closed.



Sounds

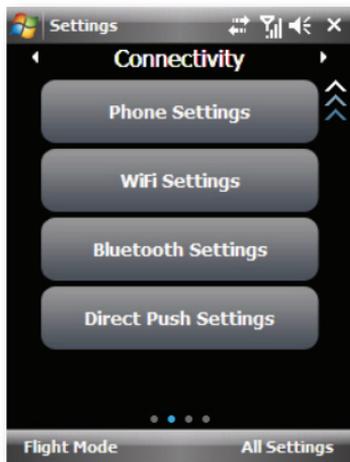
Tap sounds to enter sound configuration

- When the profile is ring mode, it can be selected if vibration is opened; and the sound can be adjusted through the sliding block; and ringtype and ringtone can be set up.
- When the profile is silent mode, it only can be selected if vibration is opened.



Connectivity

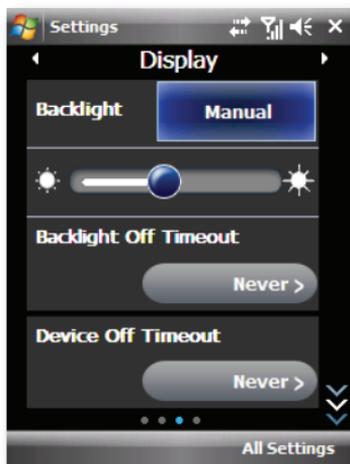
Tap Connectivity to set up a connection; the corresponding connection can be opened or closed.



Display

Tap display to set up the display function; adjust intensity of the backlight through the sliding block.

- Tap backlight off timeout to set up the duration of backlight.
- Tap phone off timeout to set up the specific time.

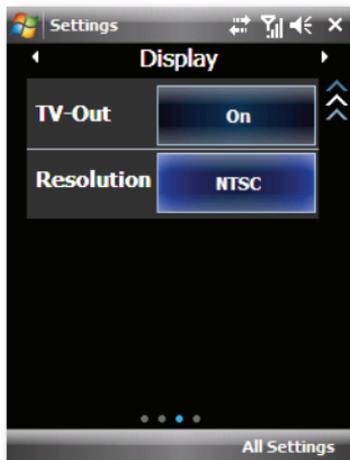


Supports NTSC and PAL connection to standard TV monitors with RCA jack.

TV Out lets you output the contents you are viewing on the phone screen to an external display device (e.g. projector). This is useful when you are doing a presentation or when you are sharing your videos or photos with people.

To connect the phone to an external display device

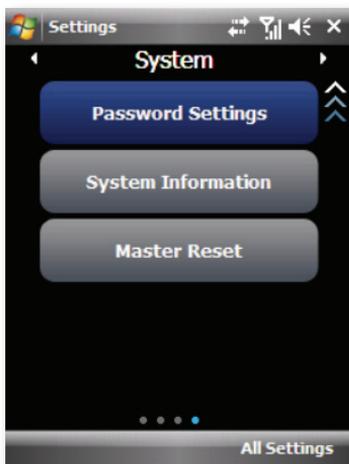
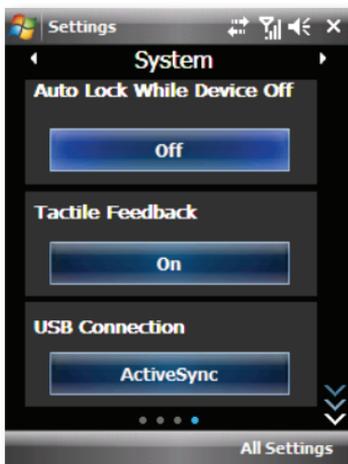
1. Turn off the external viewing device and unplug the power cord from the wall socket.
2. Take out the VGA cable from the box (note that this is an optional accessory). Connect the external viewing device's cable to the bigger end of the VGA cable.
3. Connect the smaller end of the VGA cable to the VGA port on the phone.
4. Plug in the power cable of the external viewing device to a wall socket and turn it on.



System

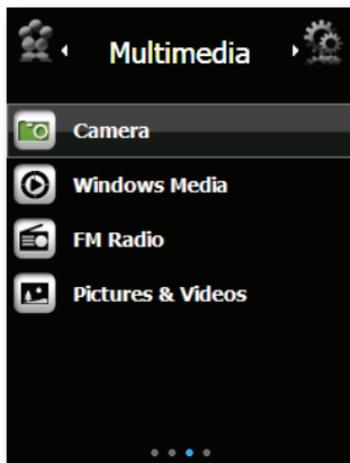
Tap system to set up some of the system functions; obtain system information.

Resume to the default factory setting through preset password.



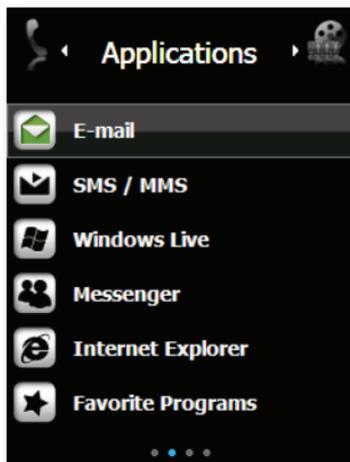
Multimedia

In the Multimedia page, you can enter picture & Videos, and launch Camera, Multimedia Album Window Media and FM Radio Player applications.



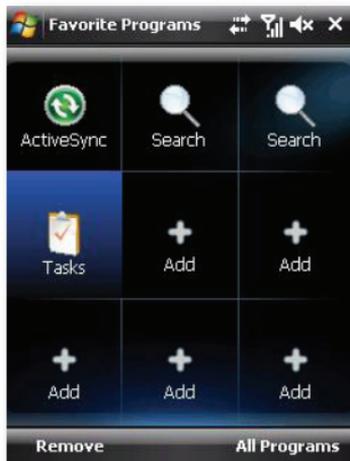
Applications

In the Applications page, you can enter E-mail, SMS/MMS and Favorite programs, and launch Windows Live, Messenger and Internet Explorer applications.



Favorite Programs

The favorite programs tab allows you to add your favorite programs for tap access.



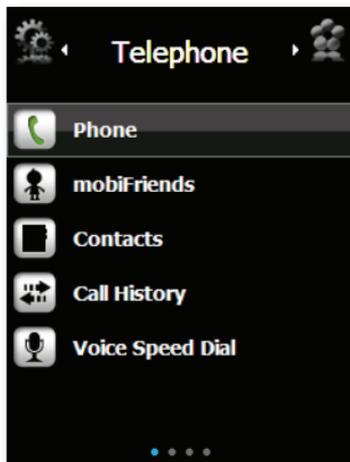
When you have filled up the screen with programs, scroll down the Programs tab to access more empty slots and add more programs. You can add up to 9 favorite programs.



NOTE: To replace a slot with another program, you must delete the occupying program shortcut first and then add your desired program.

Telephone

You can enter contacts and call history and launch phone dial, mobiFriends and Voice speed dial applications.



2.6 Entering Information

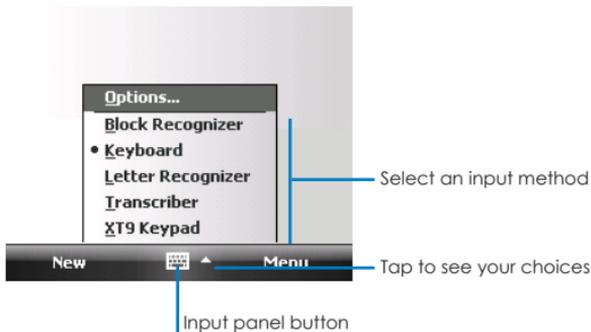
You have several options for entering new information:

- Use the Input panel to enter typed text, either by using the on-screen keyboard or other input methods.
- Write directly on the screen.
- Draw pictures on the screen.
- Speak into the microphone to record a message.

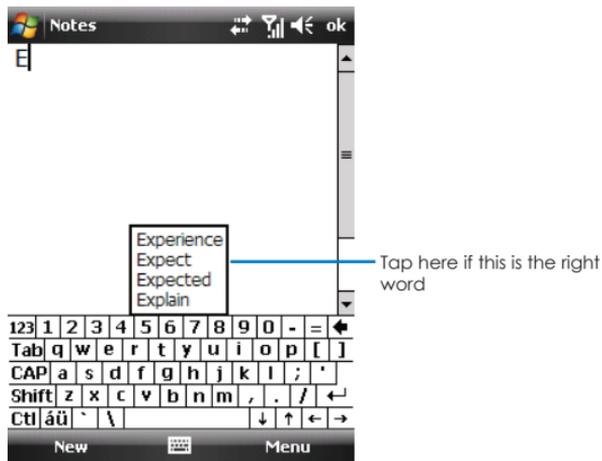
Entering Text Using the Input Panel

Use the Input panel to enter information in any program on the phone. You can type using the on-screen keyboard. The characters appear as typed text on the screen.

To show or hide the Input panel, tap the Input panel button. Tap the arrow next to the Input panel button to see your choices.



When you use the Input panel, the phone anticipates the word you are typing or writing and displays it above the Input panel. When you tap the displayed word, it is inserted into your text at the insertion point. The more you use the phone, the more words it learns to anticipate.



NOTE: To change word suggestion options, such as the number of words suggested at one time, tap  > **Settings** > **Personal** > **Input** > **Word Completion**.

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

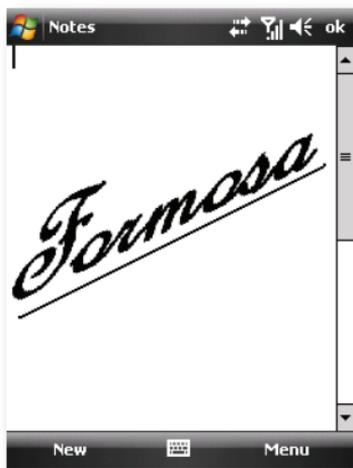
Icon	Input method
	Press to switch the keyboard input on or off.
	Input Panel Icon / Press the Input Selector Arrow to change input methods.
	Letter Recogniser or Block Recogniser.
	Transcriber.
	XT9 keyboard

Draw and Writing on the Screen

In any program that accepts writing, such as the Notes program, you can use your stylus to write directly on the screen. Write the way you do on paper.

You can edit and format what you have written and convert the information to text later.

To write on the screen, tap **Menu > Draw** to switch to the drawing mode. This action displays lines on the screen to help you write.

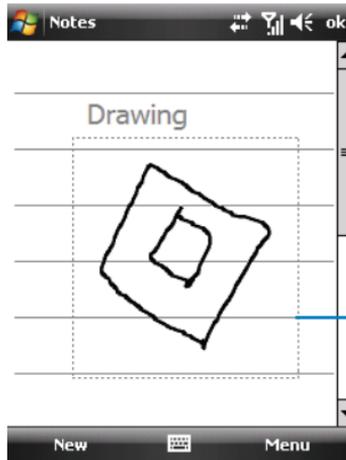


NOTE: Not all programs support the drawing mode.

Drawing on the Screen

You can draw on the screen in the same way that you write on the screen. The difference between writing and drawing on the screen is how you select items and how they can be edited. For example, selected drawings can be resized, while writing cannot.

1. Tap **Menu > Draw** to enable drawing mode. A check (✓) appears before the command.
2. To create a drawing, cross three ruled lines on your first stroke. A drawing box appears.
3. Subsequent strokes in or touching the drawing box become part of the drawing. Drawings that do not cross three ruled lines will be treated as writing.



The drawing box indicates the boundaries of the drawing



NOTE: You may want to change the zoom level so that you can more easily work on or view your drawing. Tap **Menu > Zoom** and then choose a zoom level.

Recording a Message

In any program where you can write or draw on the screen, you can also quickly capture thoughts, reminders and phone numbers by recording a message. In the Notes program, you can either create a stand-alone recording or include a recording in a written note. If you want to include the recording in a note, open the note first. In the Messaging program, you can add a recording to an e-mail message.

To create a recording:

1. Hold the phone's microphone near your mouth or other source of sound.
2. Tap the **●** Record button on the Recording toolbar to start recording. If the speaker is not muted, a beep indicates that the phone is recording.
3. To stop recording, tap the **■** Stop button on the Recording toolbar. Two beeps will sound. The new recording appears in the note list or as an embedded icon.

To play a recording, tap it in the list or tap its icon in the note.

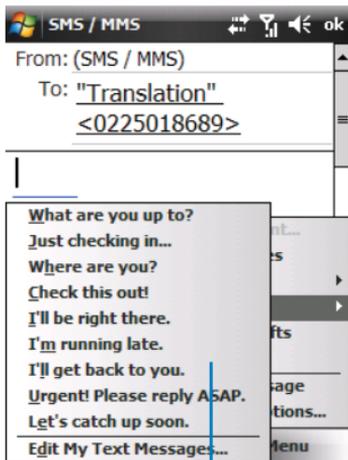


Using My Text

When using Messaging, use My Text to quickly insert preset or frequently used messages into the text entry area. To insert a message, tap **Menu > My Text** and then tap a message.

To edit a My Text message, tap **Menu > My Text > Edit My Text Messages**.

Select the message you wish to edit and make desired changes.



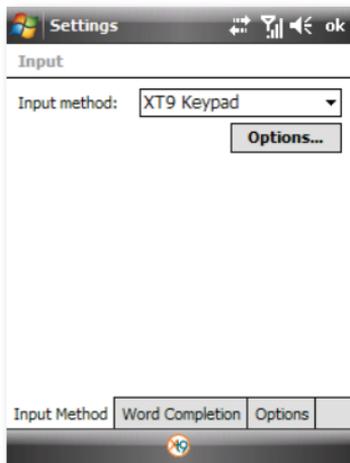
Tap to select a prewritten message



NOTE: After inserting a My Text message, you can add text to it before you send the message.

XT9 mode

To form a word in XT9 mode, press the keys that contain the letters you want. As you enter letters, XT9 analyzes your keypresses and attempts to complete the word. XT9 also tries to predict your next word based on previous sentences you have type.

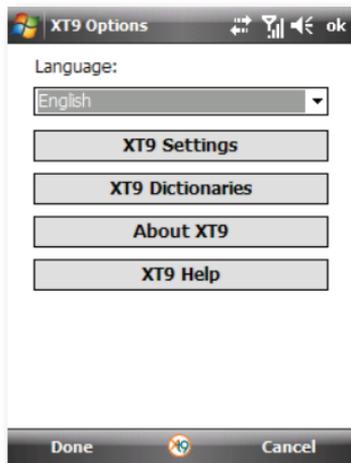


To enter text in XT9 mode

1. Press and hold the key.
2. On the menu, select XT9 English.

To change XT9 settings, press and hold and on the menu, select XT9 Settings.

While typing, words will appear at the bottom of the screen. Use the NAVIGATION CONTROL to choose the word you want to insert and press ENTER.



Numeric mode

Input numbers by changing the input method to Numeric mode.
To enter numbers

1. Press and hold the key and select 123 on the menu.
2. On the keypad, enter the number(s) you want.

2.7 Status Icons

Icons will be displayed on the navigation bar to indicate the status of the phone functions. They are listed below.

Icon	Description	Icon	Description
	Battery level.		GPRS connected.
	Battery is very low / Charge battery soon.		GPRS available.
	Battery charging.		HSDPA available.
	Battery fault.		HSDPA connecting.
	Ringer on.		HSDPA in use.
	Ringer off.		Indicates phone is locked or unlocked.
	New instant message.		Indicates Wi-Fi is turned on.
	Ringer in vibration mode.		Wi-Fi network in range.
	New text messages; SMS notification of voice mail.		Wi-Fi is connected.
	E-Mail.		Connected to the computer.

Icon	Description	Icon	Description
	New incoming MMS.		Connected to the computer. Synchronization error.
	Synchronization in progress.		Bluetooth active.
	Connection is not active.		There are more notifications. Tap the icon to view all.
	GPRS connection in progress.		No GSM signal.
	No SIM card installed		Reception is turned off.
	Roaming.		GSM signal strength. The number of bars indicates the signal strength.
	Voice call in progress.		3G in range.
	Speakerphone on.		3G connected.
	Call on hold.		EDGE available.
	Missed call.		Enables you to see Help topics for a program on your phone.
	Microphone muted.		

2.8 Securing Your Phone

You can customize the level of security you want to have on the phone by locking the keypad, or the entire phone.

Locking the Keypad

The keypad lock turns off the keypad functionality. This is a helpful feature if, for example, the phone is turned on and in your pocket, and you want to prevent accidental keypresses and unintentional phone calls.

To lock the keypad:

1. Tap  > **Settings** > **Personal** > **Today** > **Items**.
2. Select Device Lock, and tap **ok** to save the setting.
3. Tap Phone unlocked on the Today screen. Your phone will not respond to any tapping of the screen or pressing of the buttons.



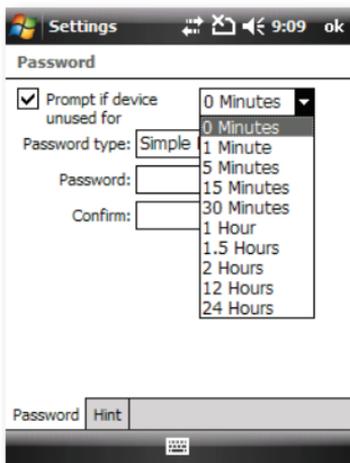
4. To unlock, tap **Unlock** (left soft key) > **Unlock**.

Locking the Device

Locking the phone prevents access to personal data. You can help keep your data more secure by requiring a password every time the phone is turned on.

1. Tap  > **Settings > Personal > Lock.**
2. Tap to select the "Prompt if phone unused for" box, and in the box to the right select a desired period of time.
3. Select the password type.
4. Enter the password you want to use to access the phone when it is locked, and then confirm the password.
5. Tap **ok** to save the setting.

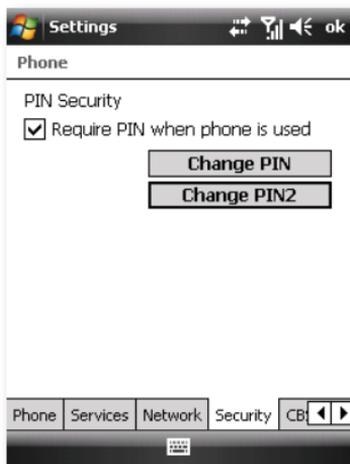
The next time the phone is turned on, you will be prompted to enter your password. You also need to enter this password on the computer for the ActiveSync connection.



Locking the Phone

You can protect your phone from unauthorized use by assigning a type of password called a PIN (personal identification number). Your first PIN will be given to you by your mobile phone service provider.

1. Press the Talk button to start Phone.
2. Tap the **Menu** soft key > **Options**.
3. On the security tab, tap to select **Require PIN** when phone is used.
4. Enter the PIN, and tap **Enter**.
5. To change the PIN at any time, tap **Change PIN**.
6. Tap **ok** to save the setting.



NOTE: Emergency calls can be placed at any time without requiring a PIN.



- 3.1 Managing Power
- 3.2 Managing Memory
- 3.3 Customizing Your Phone
- 3.4 Finding and Organizing Information
- 3.5 Adding and Removing Programs
- 3.6 Using Task Manager
- 3.7 Resetting Your Phone
- 3.8 Windows Update

CHAPTER 3

MANAGING YOUR PHONE

This chapter tells you how to effectively manage power, memory, settings and data of the phone.

3.1 Managing Power

A fully charged battery should provide power for up to 8 hours of use. The operating time of a fully charged battery depends on how you are using the phone. Some functions, such as using GPS navigation, multimedia or phone features and operating a Micro SD card, may consume the battery power considerably.

Low Battery Signals and Actions

You can monitor the battery power by tapping  > **Settings** > **System** > **Power**. The remaining power is displayed on a status bar.

When the battery power is low, the phone will pop up a warning message.

You should save your data and charge the battery immediately upon a warning of low power; otherwise the phone will turn off automatically. You need to connect the phone to external AC power for charging before you can use it again.



CAUTION:

- When the battery runs out of power completely, the phone turns off automatically.

Charge the battery or replace the old battery immediately. Replacing the battery needs to be finished in 5 minutes to make sure of the correct system time.

- When you charge the battery upon a warning of low power, you should charge for at least 30 minutes before unplugging the AC adapter. The phone may not be able to turn on during the first few minutes of the charging until the battery power reaches the protection point of the system.
-

3.2 Managing Memory

To see how much memory is available for use, tap  > **Settings** > **System** > **Memory**.

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.

To see available storage card memory, tap  > **Settings** > **System** > **Memory** > **Storage Card** tab.

If your phone is running low on memory, try the following to free memory on your phone:

- Close programs you are not currently using.
- Move e-mail attachments to a storage card.
- Move files to a storage card. Tap  > **Programs** > **File Explorer**. Tap and hold the file, and tap **Cut**. Browse to the storage card folder and tap **Menu** > **Edit** > **Paste**.
- Delete unnecessary files. Tap  > **Programs** > **File Explorer**. Tap and hold the file, and tap **Delete**.
- Delete large files. To find your largest files, tap  > **Programs** > **Search**. In the Type list, tap **Larger than 64 KB**, and tap **Search**.
- In Internet Explorer Mobile, delete temporary Internet files and clear history information.
- Remove programs you no longer use.
- Reset your phone.

3.3 Customizing Your Phone

You can adjust the phone settings to suit the way you work. To see all available settings, tap  > **Settings**, then tap the Personal, System, and Connections tabs located at the bottom of the screen.

Tab	Items	Description
Personal	Buttons	To assigns programs to hardware buttons and set the repeat rate of the up/down control.
	Input	To set up items related to the input methods and voice recording format.
	Lock	To set a password for security.
	Menus	To customize what appears on the Start menu.
	Owner Information	To enter your personal information.
	Phone	To customize the phone function.
	Sounds & Notifications	To set the conditions and types of the sounds, system volume and ways of notifications.
	Today	To select the information you want displayed on the Today screen and to select a desired theme for the background.
	TTY/HAC	Enable/Disable Teletypewriter and hearing aid compatibility
	Voice Speed Dial	Allows you to create voice tags for voice dialing contacts and SIM contacts as well as for launching programs.

Tab	Items	Description
System	About	To show the hardware information of the phone and to define the phone name that the phone uses for identifying itself to other computers.
	Backlight	Sets the backlight timeout and brightness.
	Certificates	Certificates help establish your identity when you are logging onto a secured network, such as a corporate network. Certificates also help establish the identity of other computers, such as servers, with which you connect. This helps prevent unauthorized users from accessing the phone and information.
	Clock & Alarms	To change the time and date and to set alarms.
	Customer Feedback	To set if you want to send your feedback on using the Windows Mobile software.
	Encryption	To set if you want to encrypt files placed on storage cards. The encrypted files will be readable only on this phone.
	Error Reporting	To enable or disable error reporting. Error Reporting sends information needed by technical support groups to diagnose a program error for a phone running Windows Mobile software.
	External GPS	Set the appropriate GPS communication ports, if required. You may need to do this when there are programs on your phone that access GPS data or you have connected a GPS receiver to your phone. See Help for details.

Tab	Items	Description
System	Managed Programs	Displays the programs that were installed on your phone using System Center Mobile Device Manager.
	Memory	To view the allocation between storage and program memory, to view the memory on the storage card (if installed) and to manually stop a program if it becomes unstable or program memory is low.
	Power	Check the remaining battery power. You can also set the brightness of the backlight and timeout for turning off the display (switching phone to Sleep mode) to conserve battery power.
	Regional Settings	To specify the region of your location and the formats of the number, currency, time and date.
	Remove Programs	To remove programs you added to the memory of the phone.
	Screen	To set the orientation of the screen to portrait or landscape.
	Task Manager	Stop running programs to end programs immediately when you tap the button. For more information, see "Using Task Manager" in this chapter.
	Windows Update	To set how you want the phone to check for important updates.

Tab	Items	Description
Connections	Beam	To send and receive information and files using the Bluetooth function.
	Bluetooth	To set up or change the Bluetooth connection.
	Connections	To set up or change connection information.
	Domain Enroll	Enroll your phone in your company's domain to let System Center Mobile Device Manager to manage the phone. Please ask your Server Administrator for more details.
	Network Config	To configure the network operator settings when SIM card is inserted.
	SMS Service	Enables sending of SMS text messages via a data connection, such as GPRS or a circuit-switched connection.
	USB to PC	To help with problems connecting ActiveSync by clearing Enable advanced network functionality.
	Wi-Fi	To configure the Wi-Fi module.
	Wireless Manager	To change the status of the phone, Wi-Fi and Bluetooth functions.
	WLAN Manager	Shows information about the active wireless network, and allows you to customize Wi-Fi settings.



CAUTION: Incorrect settings may cause your system to malfunction. Make sure that you fully understand the function of a certain item before any adjustment.

3.4 Finding and Organizing Information

The Search feature on the phone helps you quickly locate information.

You can also use the File Explorer to find files on the phone and to organize these files into folders. Tap  > **Programs > File Explorer.**

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 a 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 phone

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

View a Web Folder from your phone

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 phone will connect to the Work Connection in order to find the web folder.



NOTE: To quickly find information that is taking up storage space on the phone, select Larger than 64 KB under Type.

3.5 Adding and Removing Programs

Programs added to your ICE at the factory are stored in ROM (Read-Only Memory). You cannot remove the programs and you will never accidentally lose ROM contents. All other programs and data files added to your ICE after factory installations are stored in the memory.

You can install any program created for your ICE as long as your ICE has enough memory. The most popular place to find software for your ICE is on the Pocket PC web site (<http://www.microsoft.com/windowsmobile/en-us/default.msp>).

Adding Programs

To Add Programs Using ActiveSync

You will need to install the appropriate software for your ICE on your computer before installing it on your ICE.

1. Determine your ICE and processor type so that you know which version of the software to install. Tap  > **Settings > System > About** and make a note of the information in Processor.
2. Download the program to your computer or, if you have a CD or disk containing the program, insert the CD or disk into your computer. You might see a single *.xip, *.exe *.zip file, a Setup.exe file or several versions of files for different phone types and processors. Be sure to select the program designed for ICE and its processor type.
3. Read any installation instructions, Read Me files or documentation that comes with the program. Many programs provide special installation instructions.
4. Connect your ICE and computer.

5. Double-click on the *.exe file.
 - If the file type is an installer, the installation wizard will begin. Follow the on-screen instructions. Once the software has been installed on your computer, the installer automatically transfers the software to your ICE.
 - If the file type is not an installer, you will see an error message stating that the program is valid but it is designed for a different type of computer. You will need to move this file to your ICE. If you cannot find any installation instructions for the program in the Read Me file or documentation, use ActiveSync Explore to copy the program file to the Program Files folder on your ICE. For more information on copying files using ActiveSync, see ActiveSync Help.

Once installation is complete, tap  > **Programs** and tap the program icon to switch to it.



NOTE: You can also use Internet Explorer Mobile to download some programs from the Internet directly to your ICE if your ICE is connected to the Internet.

To Add a Program to the Start Menu

- Do one of the following to add a program to the Start menu.
Tap  > **Settings** > **Personal** > **Menus** and tap the check box for the program. If you do not see the program listed, use any of the following two methods.
- If you are using File Explorer on ICE:
Tap  > **Programs** > **File Explorer** and locate the program (tap the folder list, labeled My Documents by default and tap **My Device** to see a list of all folders on ICE). Tap and hold the program and tap **Cut** on the shortcut menu. Open the **Start Menu** folder located in the Windows folder, tap and hold a blank area of the window and tap **Paste** on the shortcut menu. The program appears on the **Start menu**. Note that the **Start Menu** folder can contain only up to 9 items.
- If you are using ActiveSync on the computer:
Use ActiveSync Explore to explore your ICE files and locate the program. Right-click on the program and then click on **Create Shortcut**. Move the shortcut to the Start Menu folder in the Windows folder. The shortcut appears on the Start menu. Note that the Start Menu folder can contain only up to 9 items.

Removing Programs

To remove a program from your ICE:

1. Tap  > **Settings** > **System** > **Remove Programs**.
2. Select the program in the list, and then tap **Remove**.

If the program does not appear in the list of installed programs, use **File Explorer** on your ICE to locate the program, tap and hold the program, and then tap **Delete** on the shortcut menu.

3.6 Using Task Manager

Task Manager lets you view and stop running programs, configure the  button, and enable the Quick Menu on the Today screen.

To open Task Manager

- Tap the **Quick Menu** button on the top right corner of the Today screen to open the Quick Menu, then tap.
- Tap  > **Settings** > **System tab** > **Task Manager**.

To switch back to a running program

- Tap the program name in the Quick Menu.
- On the Task Manager screen, tap and hold the program name in the **Running** tab, then tap **Activate**.

To configure the Exit () button

You can configure the **Exit** button to shut down running programs when the button is tapped, or to just temporarily close the program screen but keep the program running.

1. On the Task Manager screen, tap the **Button** tab.
2. Select the **Enable the “X” button to end running programs** check box.



NOTE: When the **Enable the “X” button to end running programs** check box is not selected, tapping the Exit button will only close a program screen. The program is not ended and continues to run in the background.

3. Choose the action for shutting down programs (by tapping the  button, tapping and holding the button, or both).
4. Tap **ok**.

To close running programs from the Task Manager

1. Tap the **Running** tab.
2. Do one of the following:
 - Select the check box of the programs that you want to close, and then tap **Stop Selected** to close them.
 - Tap **Stop All** to close all programs in the list.
 - Tap **Menu > Stop All but Selected** to close all programs except for those whose check boxes are selected.



NOTE: You can also close running programs from the Quick Menu on the Today screen. See "Quick Menu" in Chapter 1 for details.

To add a running program to the exclusive list

If you add a running program to the **Exclusive Programs List**, it will not be closed when you tap **Stop Selected** or **Stop All** and will not be listed in the Quick Menu on the Today Screen.

1. On the Task Manager screen, tap the **Running** tab.
2. Tap and hold the program name then tap **Add Exclusive**.



NOTE: To remove a program from the exclusive list, tap the Exclusive tab, select the check box of that program, then tap **Remove**.

To close running programs from the Task Manager

1. On the Task Manager screen, tap the **Running** tab.
2. Do one of the following:
 - Select the check box of the programs that you want to close, and then tap **Stop Selected**.
 - Tap **Stop All** to close all programs in the list.
 - Tap **Menu > Stop All but Selected** to close all programs except those which check boxes are selected.



NOTE: You can also close running programs from the Quick Menu on the Home screen.

To add a running program to the exclusive list

If you add a running program to the **Exclusive Programs** List, it will not be closed when you tap **Stop Selected** or **Stop All** and will not be listed in the Quick Menu on the Home Screen.

1. On the Task Manager screen, tap the **Running** tab.
2. Tap and hold the program name, then tap **Add Exclusive**.



NOTE: To remove a program from the exclusive list, tap the **Exclusive** tab, select the check box of the program, then tap **Remove**.

To set the sorting preference and program icon size in the Quick Menu

1. On the Task Manager screen, tap the **Others** tab.
2. In **Sort programs in Quick Menu by**, choose whether to sort according to **Program name** or **Memory usage**. The list will be sorted in ascending order.

3.7 Resetting Your Phone

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

You can also perform a hard reset (also known as a “cold boot”).

A hard reset should be performed only if a normal reset does not solve a system problem. After a hard reset, the phone 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 phone will be lost; only Windows Mobile software and other pre-installed programs will remain.



To perform a hard reset

Locate the small hole on the upper edge of the phone shown as the **RESET** button. Using the tip of your stylus, gently push the button inwards. This type of reset will NOT affect your data and user customisations.

Alternatively, simply remove the battery, wait a few seconds and insert the battery again, which will also achieve a soft reset.

To perform a master reset to factory setting

Hard reset by accessing the Master Clear Application:

1. Tap **OSD Settings button > Settings > System > Master Reset**.
2. Proceed to enter the confirmation code: 0148. Confirm by tapping **Yes**.

The system will reboot to complete the operation.

Alternatively, a hard reset may be performed using the following process:

1. Simultaneously hold the **power** button, **silent** key and **end** button inwards.
2. Release the buttons and the phone will hard reset.

3.8 Windows Update

You can update Windows Mobile® on your phone with the latest updates, security patches or fixes, if they are available.

To set up Windows Update

The first time you run Windows Update, you need to set up how you want Windows Update to check for patches on the Microsoft Web site.

1. Tap  > **Settings** > **Systems tab** > **Windows Update**.
2. On the Update Setup screen, tap **Next**.
3. Select how you want to check for updates, Manual or Automatic, then tap **Next**.
4. Tap **Finish**.



NOTE: If you select **Automatic**, you will be asked if you want to use your current data plan to check for updates. Select or clear the **Use my data plan to check for and download updates** check box and tap **Next**.

To check for updates

1. Tap  > **Settings** > **Systems tab** > **Windows Update**.
2. Tap **Check Now**.



NOTE: Windows Mobile® updates may not be available at all times. You can check the Windows Mobile® Web site for update information.

To change Windows Update options

1. Tap  > **Settings** > **Systems tab** > **Windows Update**.
2. Tap **Menu** and select the option you want to change.
 - Tap **Connections** to change how the phone connects to the Internet when checking for updates.
 - Tap **Change Schedule** to change how Windows Update checks for Windows Mobile® updates.



- 4.1 Installing to Activesync and the Windows Mobile Device Center
- 4.2 Install and set up the synchronization program
- 4.3 Connecto to a computer Using Bluetooth

CHAPTER 4

SYNCHRONIZING

4.1 Installing to ActiveSync and the Windows Mobile Device Center

Your phone contains ActiveSync software that allows you to create a synchronization relationship between your phone and your computer.

This means that when your phone is connected to your computer on which you also have synchronization software installed, data will be shared between your phone and computer according to your preferences. If you make a change in one place, the next time you connect your computer and phone together, the change is automatically made to the corresponding information on the other machine.

You may connect to your computer using a cable, or using a Bluetooth connection.

Go to <http://www.mobinnova.com> for more information.

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

In addition to synchronizing with a computer, ActiveSync allows you to synchronize Microsoft Outlook information directly with Microsoft Exchange Server 2003 and Microsoft Exchange Server 2008, so that you can keep your e-mail, calendar data, tasks and contact updated wirelessly when you're away from your computer.

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



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

To access e-mails or other Outlook information when you are away from your computer, you may also connect your phone to your Microsoft Exchange E-mail server.

This connection may be performed over GPRS, or using your computer as a way of connecting back to the Internet.

If your Exchange Server is running Exchange 2003 Service Pack or Exchange 2008, you may also be able to receive Push e-mails, whereby any new e-mails are sent directly to your phone.

4.2 Install and set up the synchronization program

If your computer is running Windows Vista, your synchronization settings will be managed through the Windows Mobile Device Center.

If your computer 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/en-us/help/synchronize/activesync45.msp>. Follow the on-screen instructions.

Windows Mobile Device Center

If the Windows Mobile Device Center was not pre-installed on your Windows Vista computer, you can download the software from: <http://www.microsoft.com/windowsmobile/en-us/help/synchronize/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 phone. When you set up this partnership, your selected synchronization and file conversion settings are saved, and Device Center will then recognize your phone when you connect and use the proper settings.

Only phones that have a Windows Mobile partnership with a computer can synchronize information with that computer.

Your computer can set up Windows Mobile partnerships with many different Windows Mobile powered phones, but a phone can have synchronization relationships with at most two computers. For example, you can keep the same contact information on your computer at work, your computer at home, and your phone. 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 phone and only one computer.



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 computer and the USB cable is connected between your computer and the phone, the computer will detect the attachment of the phone.

ActiveSync will attempt to make a connection to the phone automatically. Once the connection is made, the Pocket PC Sync Setup Wizard will start.



Computer Firewall Applications

Firewall applications are designed to block network traffic and secure the computer from incoming network connections. Since ActiveSync utilizes TCP ports for data transfer with Windows Mobile powered phones, 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

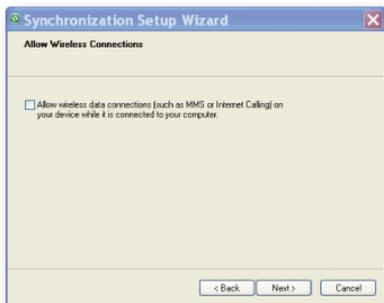
26675: open TCP port

Reconnect the phone after opening these ports.

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

Set up your phone 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.



NOTE: Before changing synchronization settings on your phone disconnect it from your computer.

1. Tap  > **Programs > ActiveSync > Menu > Configure Server.**
Complete the details below. Contact your network administrator if you do not know this information.
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 phone 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.
7. Tap **Finish**.



NOTE:

- If this is your first time setting up synchronization with Exchange Server, this will say Add Server Source instead of Configure Server.
- Settings may be concealed under the Input Panel. Hide the Input Panel to see this.

Ensure that your computer 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 computer synchronisation, tap **Finish** but leave the phone plugged in.

You can view additional setting information by selecting an item and tapping **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 phone to your computer.
2. Tap **Tools > Options**.
3. Select the information type that you want to synchronize.
4. If available, tap **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 computer, you can determine which item on the phone or on the computer should be replaced (i.e. over-written) in the event of a conflict. To change these settings, tap **Tools > Options > Settings**.

Adjusting how much information is synchronized

If you have set up a synchronization relationship between your phone and computer, synchronization keeps information up-to-date on both computers.

ActiveSync synchronizes a limited amount of data by default to save storage space on your phone. 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 phone.



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

Managing wireless synchronization costs

How you manage the cost of synchronizing wirelessly from your phone 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 mobile tariff 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 computer

If, for example, you wish to sync your phone to Exchange Server for E-mail and Tasks, and to your computer for Contacts and Calendar, from your phone, tap  > **Programs > ActiveSync > Menu > Options** and select from the list.



Synchronize as new items arrive

You can schedule automatic synchronization between your phone 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, tap **Change Times**. Some versions of Microsoft Exchange may also require you to specify a phone number to use this feature.

The handling of synchronized Outlook E-mail

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

1. Messages in the Inbox folder on your computer or Exchange Server are copied to the Inbox folder of the Outlook E-mail account on your phone.
2. Messages in the Outbox folder on your phone are transferred to Exchange Server or Outlook, and then sent from those programs.
3. After you delete a message on your phone, the next time you synchronize it will be deleted from your computer or Exchange Server.
4. The default sync settings are to synchronize messages from the last three days only and the first 0.5 KB of each new message, and not to sync file attachments.



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

4.3 Connect to a computer using Bluetooth

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

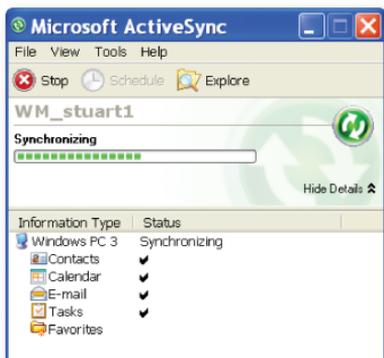
1. Make sure that your computer's Bluetooth is set to Visible (also known as 'Discoverable'), and that ActiveSync on the computer has the correct Bluetooth COM port enabled - see below.
2. Ensure that the computer ActiveSync Serial port corresponds to the computer's Bluetooth Serial port configuration. 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 phone's Today screen, tap  > **Programs > ActiveSync.**
4. Tap **Menu > Connect** via Bluetooth. Ensure that the phone and computer are within close range. If this is the first time you have connected to this computer via Bluetooth, you must complete the Bluetooth wizard on the phone and setup a Bluetooth partnership with the computer before synchronising.
5. Tap **Sync.**
6. When finished, tap **Menu > Disconnect Bluetooth.**
7. To preserve battery power, turn off Bluetooth.
 - Tap  > **Settings > Connections tab > Bluetooth > Mode** tab.
 - Clear the "Turn on Bluetooth" checkbox
 - Tap **ok.**



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



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



Start and stop synchronization

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



NOTE: This menu only appears during synchronization.

Synchronizing Data

Once you have created a synchronization relationship and completed the first synchronization, you can initiate synchronization from the phone.

1. Connect the phone to your computer.
2. On the phone, tap  > **Network Tools** > **ActiveSync**.
3. Tap the Sync soft key to begin synchronization.



By default, ActiveSync does not automatically synchronize all types of information. Use ActiveSync options to turn synchronization on and off for specific information types.

You can select which information types are synchronized and control how much data is synchronized. For example, you can choose how many weeks of past appointments you want synchronized.

For information on setting ActiveSync options and using ActiveSync on your computer, see ActiveSync Help on the computer. For information on using ActiveSync on the phone, see ActiveSync Help on the phone.

- 5.1 About your Phone
- 5.2 Turning On and Off the Phone Function
- 5.3 mobiFriend
- 5.4 Answering a Call
- 5.5 Making a Call
- 5.6 Answering a Video Call
- 5.7 Adjusting the In-Call Volume
- 5.8 Managing More than One Call
- 5.9 Taking a Note During a Call
- 5.10 Using Call History
- 5.11 Using Speed Dial
- 5.12 Managing Phone Numbers
- 5.13 Customizing Your Phone
- 5.14 Voice Speed Dial

CHAPTER 5

USING PHONE FEATURES

This chapter explains how to make and receive phone calls, track your calls, manage your calls and phone numbers more efficiently, and how to customize the phone functions.

5.1 About your Phone

Your phone includes an integrated GSM (Global System for Mobile Communications) 850/900/1800/1900 MHz / EDGE (Enhanced Data GSM Environment) / GPRS (general packet radio service) / UMTS 850/900/1900/2100 MHz / HSDPA (High Speed Downlink Packet Access) / HSUPA (High Speed Uplink Packet Access) phone.

The integrated phone can also be used to connect the phone to an ISP (Internet Service Provider) or work network so you can browse the Web and read e-mail. You can connect to the Internet or work network over GPRS/EDGE/UMTS/HSDPA/HSUPA, using Cellular Line, or using the modem specified by your mobile phone service provider.

Before You Start

To use the phone, you need to first set up an account with a GSM/ GPRS mobile phone service provider. The functions available to you depend on the services offered by your service provider and your type of subscription.

Your service provider will provide you with a USIM/SIM card. This card contains your mobile phone account details and rights, contacts that can be stored and any additional services to which you have subscribed. You must install a USIM/SIM card before you can make or receive phone calls or use wireless data services.

5.2 Turning On and Off the Phone Function

You can turn the phone voice and data connections on or off independently of the main phone functions. The phone's connections are turned on by default.

You can turn off the phone if needed (for example, on the airplane). After turning off the phone, you can still use other functions such as Camera, Calendar, games, Windows Media Player Mobile, etc.

Turning Off the Phone

1. Tap the Wireless Manager section on the Today screen.
 - Or –
 - Tap the connection icon on the Navigation bar and tap Wireless Manager.
2. Tap **Phone**.

The Wireless Manager section on the Today screen displays Phone off, indicating that the flight mode is turned on.



Turning On the Phone

1. Tap the Wireless Manager section on the Today screen.
 - Or –
 - Tap the connection icon on the Navigation bar and tap Wireless Manager.
2. Tap **Phone**.

The Wireless Manager section on the Today screen displays your service provider's name, indicating that the flight mode is turned off.

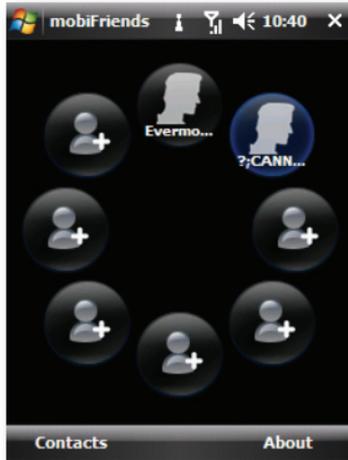


5.3 mobiFriend

mobiFriend is a central location where you can easily management contacts the communication features of your phone such as the voice capability, Wi-Fi, data connection, Bluetooth, and more.

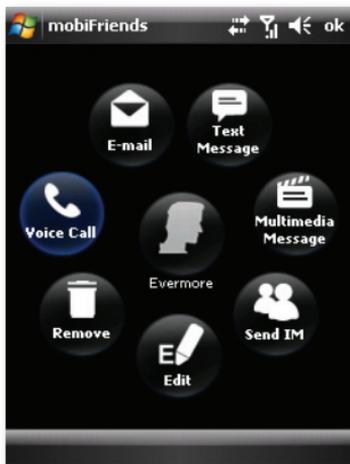
Adding friends

1. Tap the **Add** icon to display the contact list. Select one from the list of data information stored in system as the contact person. Check the contact information
2. If contact information (phone number, Email, IM) exists, check continuously if the image of the contact or the default icon has been selected.
3. Tap the button **Edit in contact** to display the **Contacts** interface; the list needed to be filled out will be shown; after filling out corresponding items, tap **ok** button to save relative operation and return to previous interface.
4. After modification, tap the **ok** button to return to the mobiFriends function interface.
5. If there is no information about the contact, a prompt will pop up; tap the **ok** button to return to the previous mobiFriends main menu.



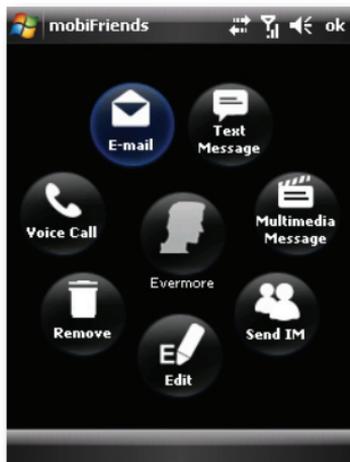
Voice Dial

1. Tap the **Voice Dial** icon.
2. If the phone number exists, the phone call will be connected.
3. If the phone number doesn't exist, a prompt will pop up. Tap **ok** to return to the mobiFriends menu.



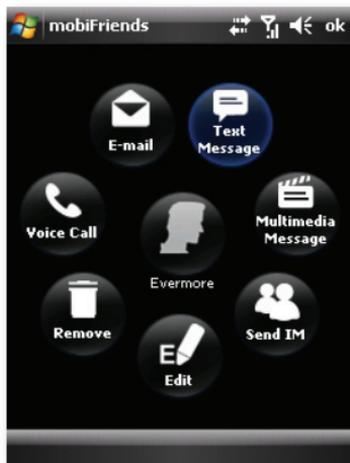
Sending E-mail

1. Tap the **E-mail** icon.
2. If there is no mail address for the contact, a prompt will pop up. Tap **ok** to return to the mobiFriends menu.
3. If there is a mail address for the contact, it will be checked if there are more than one mail accounts.
4. If there is only an account, the **New mail** window will pop up. Write the mail text and finish the operation.
5. If there are more than one accounts, **Select account** window will pop up; select an account and tap **select** to finish the operation; tap **cancel** to abort the operation; or tap **ok** to return to the mobiFriends menu.



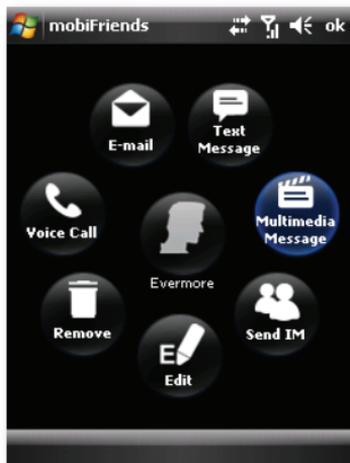
Sending SMS

1. Tap the **Text Message** icon and check the phone number; if the phone number has been set up in the contact list, the **“New SMS edit”** window will pop up; after finishing the operation, return to the mobiFriends menu.
2. If the phone number does not exist, a prompt will pop up.



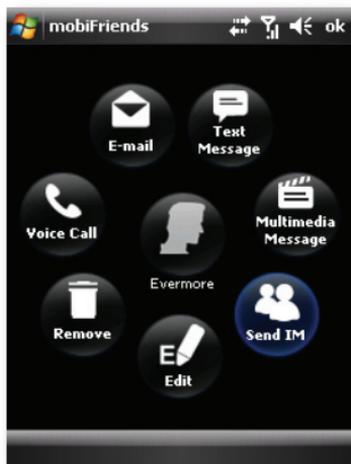
Sending MMS

1. Tap the **Multimedia Message** icon and check the phone number; if the phone number has been set up in the contact list, the **New MMS** window will pop up; after finishing the operation, return to the mobiFriends menu.
2. If the phone number does not exist, a prompt will pop up.



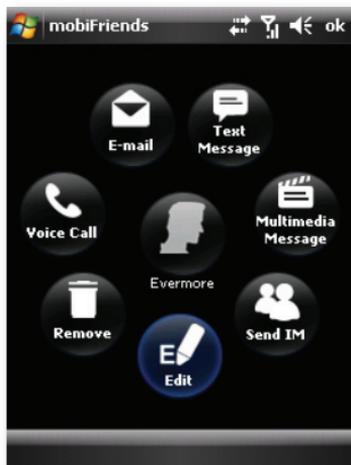
Starting to Send IM

1. Tap the **Send IM** icon.
2. Run MSN.



Edit contacts

1. Tap the **Edit** icon
2. The User Information window of mobiFriends will pop up; select, modify and fill out the listed items.



Remove contacts

1. Tap the **Remove** icon, and a prompt will pop up.
2. Tap **Yes**, and data information about the contact will be deleted from the main menu.
3. Tap **No** to return to the mobiFriends menu.



5.4 Answering a Call

When an incoming call is received, the phone rings or vibrates according to the options you have set for the phone. The name and number of the caller are displayed on the pop-up window. If the name of the caller is not in your contact list, only the caller's phone number is displayed.

To answer an incoming call, tap **Answer** on the pop-up window or press the **Talk** button.

Rejecting a Call

To reject an incoming call, tap Ignore on the pop-up window or press the **End** button. If you have voice mail, the call will be sent to your voice mail, depending on your service provider.

Ending a Call

To end a call, tap **End** or press the **End** button.



5.5 Making a Call

There are several ways you can make a call. The easiest way is to dial the phone number on the numeric keypad.

Dialing a Call

1. When using programs other than the Phone: press the Talk button on the phone to start the Phone dialer. Then enter the phone number or the first few letters of the contact's name by using the numeric keypad on the Phone dialer.
2. The program searches Contacts, Call History, and Speed Dial to find a matching name and/or number. When you see the name of the person to call listed, select it and the desired phone number, and press the Talk button to make the call.

Making a Call Using a Recently Connected Number

To make a call using a recently connected number:

- When on the Phone screen: press the **Talk** button.
- When using programs other than Phone: press the **Talk** button twice.



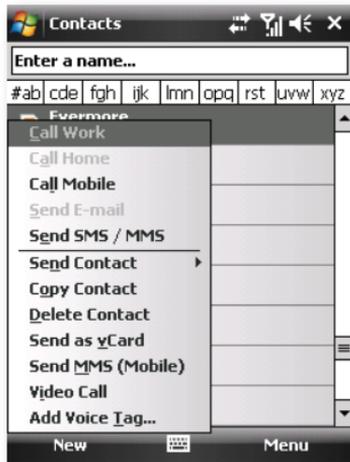
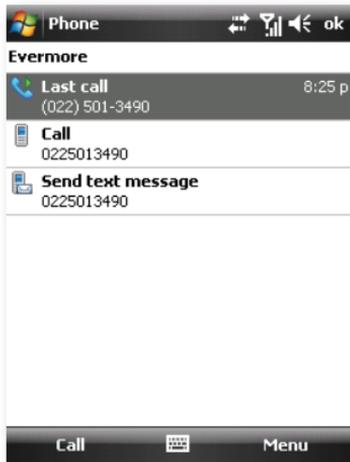
NOTE:

- If you enter a wrong number, you can press the back button to erase individual numbers one at a time, or you can delete all numbers that have been keyed in by pressing and holding the back button.
- If you are making an international call, press and hold the **0** key until the **+** sign appears. The **+** sign replaces the international prefix **(00)** of the country from where you are calling.

Making a Call from Contacts

Microsoft Contacts displays your contact information stored both in the phone's memory and your SIM card.

1. Tap  > **Contacts**, or tap the **Contacts** soft key on the **Today** screen.
2. Do one of the following to call someone from the contact list:
 - Tap the **contact** to call. Then tap the number to call; or move to the number to **call** and then tap the Call soft key or press the Talk button.
 - Tap and hold the contact to call, and then tap the number to call on the shortcut menu.

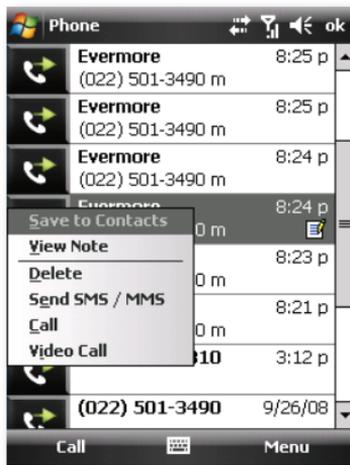


NOTE: For information on Contacts.

Making a Call from the Call History List

The Call History list displays the calls you made, received, and missed.

1. Press the Talk button to start the Phone.
2. Tap .
3. Do one of the following to call someone from the Call History list:
 - Move to the number to call and then tap the **Call** soft key or press the Talk button.
 - Tap and hold the contact to call, and then tap **Call** on the shortcut menu.



5.6 Answering a Video Call

When you make a video call (network service), 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 phone is shown to the video call recipient.

To be able to make a video call, you must have a USIM card and be in the coverage of a UMTS 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 phone or an ISDN client. Video calls cannot be made while another voice, video, or data call is active.



To set up Video Call

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

- Self Image Source.

You can set the default value of Self Image Source and apply to not only Incoming Call, but also Outgoing Call occurred. The source include Internal Camera, External Camera and Alternative Image.

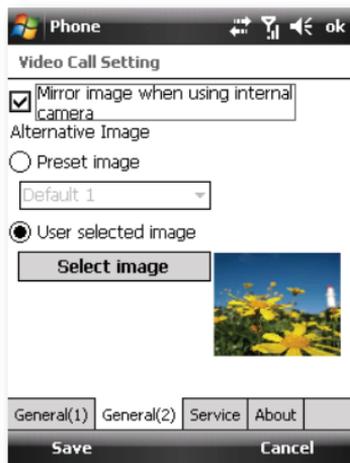
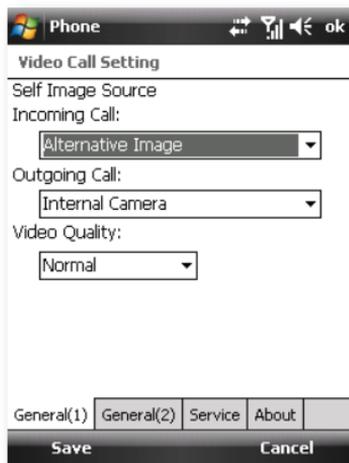
- Check the CheckBox called Mirror image when using internal camera to set the internal camera has mirror effect.

- Alternative Image

You can set the Alternative Image by use system default images or choose what image you like.

3. On the Services tab

To set up further calling options for Video Call, tap the Services tab. On the Services screen, select the desired service from the list, and then tap Get Settings to access its settings.



No.	Items	Description
1	Caller Image	Displays the caller image. (The Standard Mode layout is shown here.)
2	Brightness	Use + and - or tap the status bar to increase or decrease the screen brightness.
3	Camera	Turn on or off the caller image.
4	Keypad	Tap to return to the keypad. (From keypad, tap Call status to revert.)
5	Internal / External Camera	Switches between the camera facing you and the camera pointing away from you.
6	Speaker	Turn the speaker on/off.
7	Menu	<p>Contains: Turn Speakerphone On - Turn the speaker phone on or off. Turn Handsfree On - Turn handsfree on or off. The handsfree device must already be paired. Conference - Begin a call with more than one person.</p> <p>Paste: Save to contacts - Save the current caller to the contacts. Create note - Add a note to the call. Call history - Display the call history. Speed dial - Tap to see speed dial numbers. See Chapter 5.11 for details.</p> <p>Options: Video call options - Contain 4 tabs: General, Service, Packet Counter and About. General - Select the default video image setting. Tap Select file to select your own video image. Service - Select the available network services (e.g. call forwarding) and tap Get settings to change the settings. About - Displays information about the application.</p>
8	End	End the call.
9	Receiver Image	See the person who receives your call. (The Standard Mode layout is shown here.)

5.7 Adjusting the In-Call Volume

To adjust the volume during a call, tap the  icon on the navigation bar to select a volume level.

Muting a Call

During a call, you can **mute** your microphone so that the person with whom you are speaking cannot hear you, but you can still hear him or her.

On the Phone keypad, tap **Mute** to turn on the mute function. To turn off the mute function, tap **Unmute**.

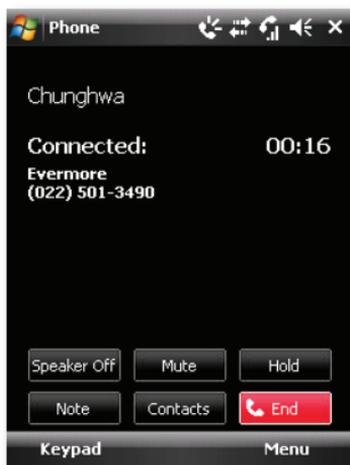


Using Speakerphone

You can turn on the speakerphone to use the phone as a hands-free solution.

On the Phone keypad, tap **Speaker On** to turn on the speakerphone function. The  will appear on the navigation bar.

To turn off the speakerphone function, tap **Speaker Off**.



CAUTION: Never raise the sound volume level too high when using earphones. An excessive sound volume level could cause damage to your hearing.

5.8 Managing More than One Call

During a call, you can make or take a second call while putting the current call on hold. Then, you can choose to swap between the two callers or set up a conference call between all three parties.



NOTE: You may need to register for the “call waiting” service with your service provider and set the phone accordingly. The exact number of people you can talk at the same time depends on your service provider.

Holding a Call to Take a Second Call

1. If there is another incoming call when you are talking on the phone, a pop-up window appears to notify you.
2. Tap the **Answer** soft key to place the first call on hold, and answer the second call.
3. To end the second call and go back to the first, tap **End** or press the **End** button.

Rejecting the Second Call

To reject the second call and keep your current call in progress, tap **Ignore**.

Note not to press the End button; doing so will end the current call.

Holding a Call to Make a Second Call

1. During a call, tap **Hold** to place the first call on hold.
2. Dial a second number or the first few letters of the second contact's name by using the numeric keypad on the phone. Then press the **Talk** button to connect. Wait for it to be picked up.
3. To end the second call and go back to the first, tap **End** or press the **End** button.

Swapping between Calls

When you have put a call on hold and made or taken another call as described earlier, you can swap between the two calls by tapping **Swap**.

Setting up a Conference Call

1. When you have put a call on hold and made or taken another call as described earlier, you can set up conference calling by tapping the **Menu** soft key > **Conference**.
2. To add additional people to your conference, tap **Hold**. Dial a second number and press the Talk button to connect. Wait for it to be picked up.
Then tap the **Menu** soft key > **Conference**.
3. If you want to talk to one of the parties privately during the call, tap the **Menu** soft key > **Private**.
Select a number, and tap **Private**.
To include everyone in the call again, tap the **Menu** soft key > **Conference**.

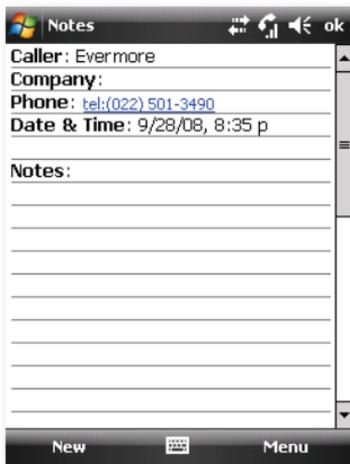


NOTE: You may need to consult your service provider for the availability and subscription of the conference call function.

5.9 Taking a Note During a Call

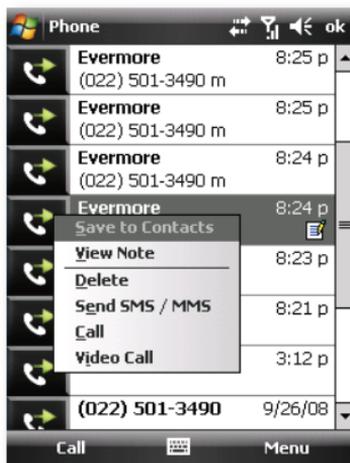
You can take a note during a call.

1. Tap **Note**.
2. Enter your note and tap **ok**.



To access a note you created during a call:

1. Press the Talk button to start the phone.
2. Tap .
3. The  icon indicates that the phone call entry contains a note. Tap and hold the name or number for that entry, and tap **View Note** on the shortcut menu.



You can also tap  > **Programs > Notes**, and access the note in the Calls folder.

5.10 Using Call History

Call History provides the time and duration of all incoming, outgoing, and missed calls, and a summary of total calls. Call History also provides easy access to any notes taken during a call.

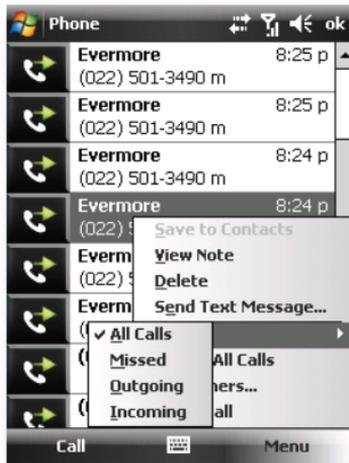
To access Call History:

1. Press the Talk button to start phone.
2. Tap .

Viewing Call History

You can tap the **Menu** soft key > **Filter** to change the Call History view (**All Calls** by default).

- All Calls displays all calls made to and from the phone in a chronological order.
- Missed  displays only calls that were not answered.
- Outgoing  displays only calls made from the phone.
- Incoming  displays only calls made to the phone.



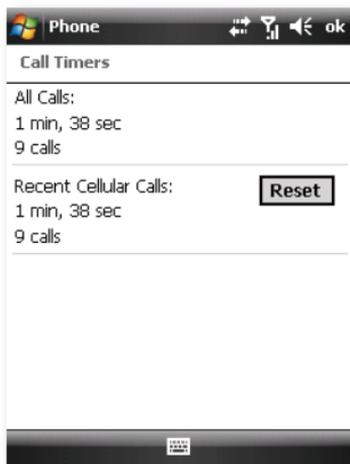
To see the time, date and duration of a call, tap the item on the list to view details.

To clear all items on the list, tap the **Menu** soft key > **Delete All Calls**.

Managing Call History

You can tap the **Menu** soft key > **Call Timers** to manage Call History.

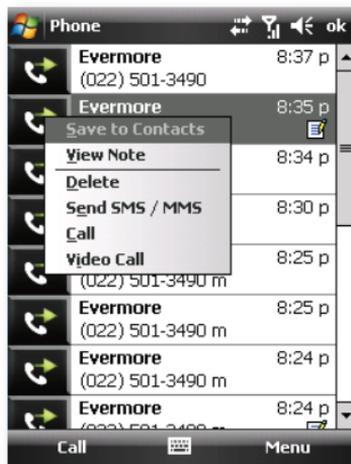
- **All Calls** displays the statistics, including total number of calls and total time. The All Calls counter cannot be reset.
- **Recent Cellular Calls** displays the total number of calls and total time since last time the call history was reset.



Adding an Entry to Contacts Using Call History

You can add a phone number in the Call History to Outlook Contacts.

1. Tap and hold the entry you wish to transfer, and tap **Save to Contacts** on the shortcut menu.
2. Or tap **<New Contact>**, enter the contact's name, and select the proper number type.
3. Tap the **Save** soft key to save the entry.

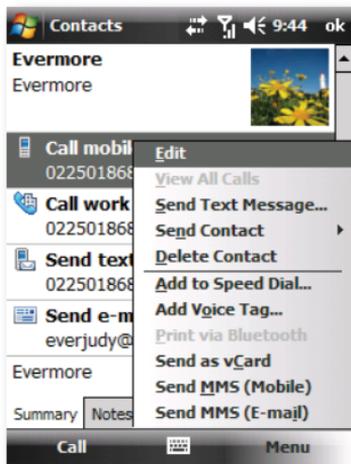


5.11 Using Speed Dial

You can create speed dials for frequently-called phone numbers so you can dial a number with a single tap. Speed dials can only be created for numbers stored in Contacts.

Creating a Speed Dial Entry

1. Press the Talk button to start the phone.
2. Tap .
3. Tap the **Menu** soft key > **New**.
4. Tap the desired contact.
5. In **Number**, select the phone number for which you want to create a speed dial.
6. In **Location**, select the speed dial number to use.
7. Tap **ok** to save the setting.



Editing or Deleting a Speed Dial Entry

1. Press the Talk button to start phone.
2. Tap .
3. Tap and hold the desired entry, and tap **Edit** or **Delete** on the shortcut menu.
4. Tap the **ok** soft key to save the changes, or tap **Delete** to delete the entry.



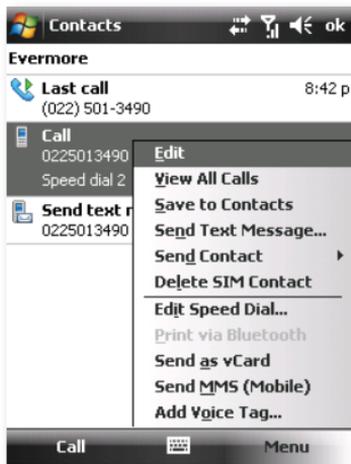
NOTE: The first speed dial location is reserved for your voice mail.

5.12 Managing Phone Numbers

Phone numbers can be stored in various places on the phone. Therefore, you can add, access and transfer phone numbers in a number of ways.

Transferring from Microsoft Contacts

1. Tap  > **Contacts**, or tap the **Contacts** soft key on the Today screen.
2. Tap the desired entry on the contact list.
3. Move to the phone number to copy, and tap the **Menu** soft key > **Save to SIM**.
4. Accept or edit the details. When finished, tap the **ok** soft key.



Transferring from SIM Card

1. Tap  > **Contacts**, or tap the **Contacts** soft key on the Today screen.
2. Tap the desired SIM card entry on the contact list.
3. Tap the **Menu** soft key > **Save to Contacts**.
4. Accept or edit the details. When finished, tap the **ok** soft key.



NOTE: If you want to copy all SIM card contacts to the phone, on the contact list tap the **Menu** soft key > **Copy All SIM Contacts**. Note that doing so will result in repeated SIM card contact appearances on the contact list if the SIM card is inserted.

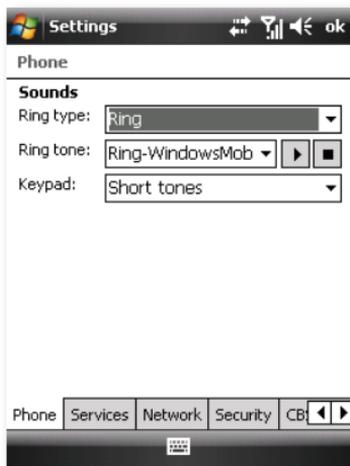
5.13 Customizing Your Phone

To access the Phone Settings, press the Talk button to start the phone, and tap the **Menu** soft key > **Options**.

Changing Phone Settings

Tap the **Phone** tab.

You can customize phone settings, such as the ring type and ring tone to be used for incoming calls, and the keypad tone to be used when entering phone numbers. You can also protect your phone from unauthorized use.



NOTE:

- To use custom .mp3, .wav, .mmf or .mid files as ring tones for incoming calls, use ActiveSync on your computer to copy the files to the \Application Data\Sounds folder on the phone or to the inserted storage card. Then, select the sound from the Ring Tone list. (For information on copying files to the phone, see ActiveSync Help on your computer.)
- Emergency calls can be placed at any time without requiring a PIN.

Changing Services Settings

Tap the **Services** tab.

You can access and configure settings for the phone services you subscribed to through your mobile phone service provider. For example, you may want to block certain types of incoming and/or outgoing calls, forward incoming calls to a different phone number based on your situation, be notified of incoming calls when you are already in a call, or let others know your identity when making calls. Services available to you depend on your service provider and the type of your subscription.

To view your services settings, tap a service and then tap Get Settings.

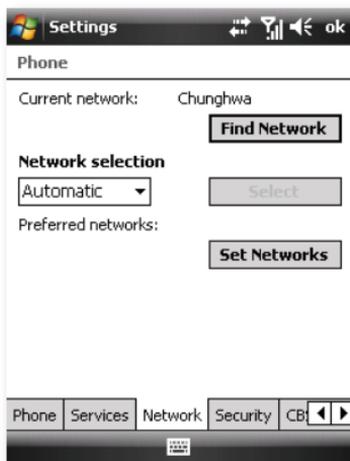


Changing Network Settings

Tap the **Network** tab.

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

The current network will remain active until you change it, lose your signal, or change your SIM card.



Changing the PIN Security

Tap the **Security** tab.

You might be prompted to enter the PIN code for specific functions (such as the pre-paid card's charging counters). Consult your mobile phone operator to check if your SIM card supports PIN-related functions and services.

To change the PIN code, tap Change PIN, and then follow the on-screen instructions to enter old and new PIN codes.



Changing Cell Broadcast CBS Settings

Tap the **CBS** tab.

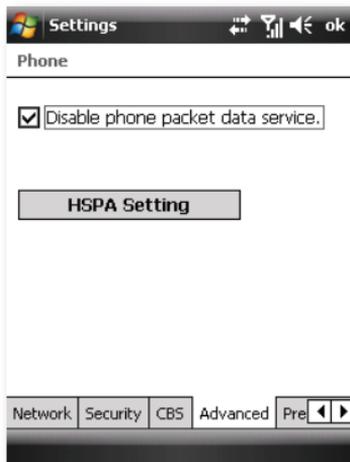
1. To add a new channel, tap **New**.
In the New page, enter the name and number of the new channel.
Channel name can be any word.
The channel number can be from 0 to 999.
2. To edit an existing channel, tap **Edit** after selecting a channel in subscription list.
3. To delete a channel, tap **Delete** after selecting a channel in subscription list.



NOTE: The channel number is service provider-dependent. Please consult your network service provider for information.

Changing Advanced Settings

Tap the **Advanced** tab.



Disable phone packet data service

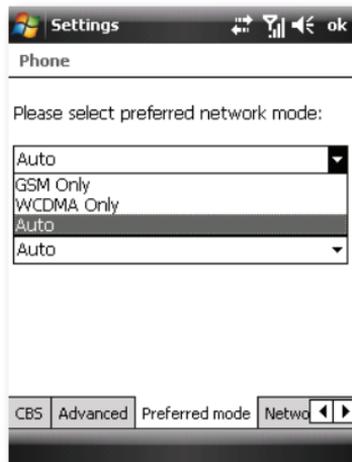
- Tap this check box to disable/enable the phone packet data service.

Changing Preferred Settings

Tap the **Preferred** tab.

Select your preferred network mode:

1. GSM only.
2. WCDMA only.
3. Auto.



Select your preferred band:

1. Auto.
2. EU band.
3. US band.

Changing TTY/HAC Settings

Enable/Disable Teletypewriter and hearing aid compatibility
Tap  > **Settings** > **Personal** > **TTY/HAC** tab.

Two options can be chosen on the TTY/HAC page:

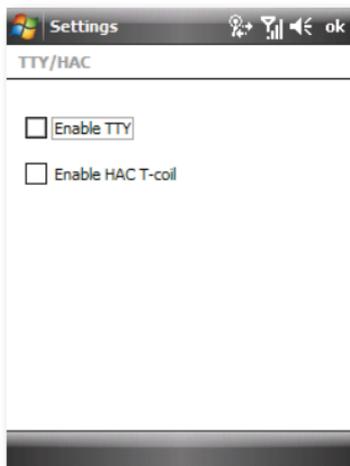
1. Enable TTY.
2. Enable HAC T-coil.

Enable TTY

Tap this check box to disable/enable TTY.

Enable HAC T-coil

Tap this check box to disable/enable HAC T-coil.



5.14 Voice Speed Dial

You can record voice tags so that you can dial a phone number or start programs simply by speaking a word.

Creating a Voice Tag

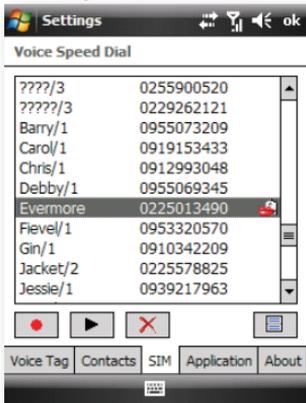
1. Tap  > **Settings** > **Personal** > **Voice Speed Dial**.
2. Tap **Contacts**, **SIM** or **Application**.
3. Tap the desired contact and tap .
Select the desired phone number.
Or, select the desired SIM contact or program.



4. Tap  After the beep sound, begin recording the words for the voice tag. Try to finish the recording in 2~3 seconds. You are recommended to stay at a quiet place during the recording for better recognition.



5. After the recording, the program will play back the voice tag. The  icon on the right of the selected item indicates the voice tag has been created.
6. To re-new the voice tag, tap  the icon and repeat step 4.
7. Tap **ok** to save the setting.





NOTE: You can also create a voice tag in Contacts. Select the desired contact and phone number, and tap the **Menu** soft key > **Add Voice Tag**.

6.1 Outlook E-mail

6.2 MMS

6.3 Message Application Live

CHAPTER 6

MANAGING MESSAGING



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:

- E-mail messages
- Text messages (SMS - Short Message Service)
- Multimedia messages (MMS)
- 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 on 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.

6.1 Outlook 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 phone.

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

1. On the Today screen, tap  > **Messaging** > **New E-mail Account**.
2. Enter the e-mail address.
3. Check the Try to get e-mail settings... checkbox.
4. Tap **Next** to begin searching.
You will need to supply your email user name and password.
5. 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.
-

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 in 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. Your user name and password from above will be used.
Outgoing server settings	Your outgoing e-mail server may require different authentication settings than your incoming e-mail server.

Setting	Description
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  > **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.
5. To complete setup with the current synchronization settings, tap **Finish**.
6. To adjust the synchronization settings later, you can select the account and tap **Menu > Options**, make the changes you want, then tap **Finish**.



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



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 phone, disconnect it from your computer.
- If this is your first time setting up synchronization with Exchange Server, this will say Add Server Source instead of Configure Server.

-
1. Tap  > **Programs > ActiveSync > Menu > 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 phone 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.
 7. Tap **Finish.**



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

Direct Push Technology

Direct Push technology keeps your Outlook Mobile up-to-date by delivering E-mail, Calendar, Contacts and Tasks directly to your phone, 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 phone 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 phone. These security policies may be to lock the phone from unauthorised access after the phone has been left unused for a period of time, or for the ability to wipe the phone 'Over The Air'. Your IT administrator will be able to tell you which policies are being applied to your phone.

Exchange Server 2003 with SP2 and Exchange 2008 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  > **Messaging** and tap **Outlook E-mail**. The mail folders (Inbox, Outbox, Drafts etc) are arranged similarly to the Microsoft Outlook client in a computer. Please refer to section 6 for further information about synchronizing with an Exchange Server. Also, on <http://www.microsoft.com> you can find step-by-step guidelines on how to set up e-mail on your phone. Those guidelines are also available in the Getting Started CD that came with your phone.

View the Inbox message list

On the Today screen, tap  > **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  > **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

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  > **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 mobile tariff rate plan.

Send and receive Internet e-mail messages

1. On the Today screen, tap  > **Messaging**
2. Select an e-mail account from the list.
3. To select the folders for synchronization, tap on **Menu > Tools > Manage Folders**.
4. 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  > **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.



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. The frequency of this is determined by the schedule setup in your ActiveSync configuration.

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 phone.

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  > **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 phones 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 phone; 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  > **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  > **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

1. On the Today screen, tap  > **Messaging**
2. Select an e-mail account from the list.
3. Tap **Menu > Go To > Folders**.
4. You can select the new folder you wish to view.
5. To manage your folders for ActiveSync, tap **Menu > Tools > Manage Folders**.



NOTE: Why can you not see your messages in the my Sent folder? By default, messages you send are not saved on your phone 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.

6.2 MMS

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

If your network operator settings are recognized when your phone first boots up with the SIM card installed, the MMS settings should be configured automatically.

However if you need to set up MMS manually, please refer to Set up an MMS account at the end of this section.

Getting started

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

- Tap  > **Messaging** and then select "SMS / 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.

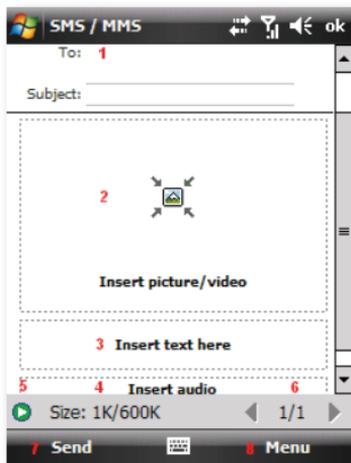
Message boxes

- 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. Move the scroll bar up to view the Cc and Bcc field.
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.



This section will discuss the specifics of including a photo/video, text, and audio, and will 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 > Select a Template...**

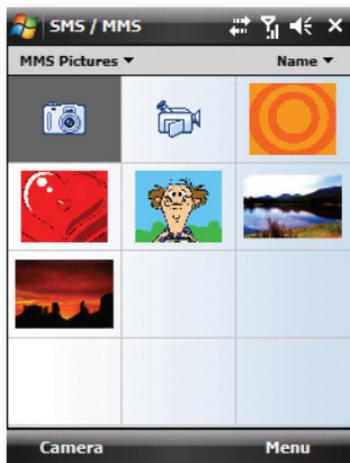


NOTE: You may not automatically be taken to a blank message. If you are instead taken to a page that displays pre-made templates, choose the template you want. If you would prefer to create a blank message next time, check the "Always choose custom" box.*

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”, “View”, “Properties” and “Delete” options. “Add to Message” adds the selected photo/video to the slide. “View” displays individual photos or videos. “Properties” 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 returns to the previous screen.



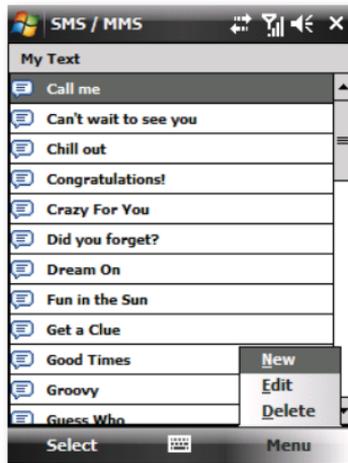
Adding text

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.

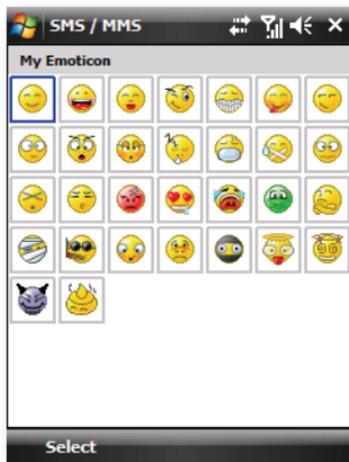
Tap the **My Text** icon to see a list of pre-saved text messages. Tap the one you want, and then tap "Select" to add it into the message.

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.

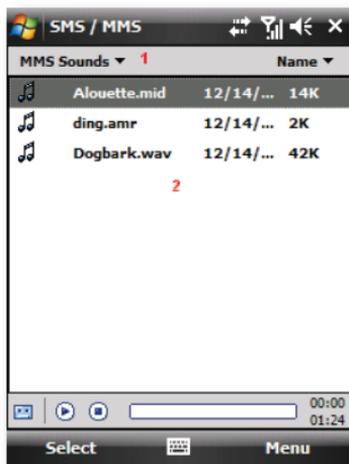


Tap the star icon to see a list of favorite links. Tap the one you want, and then tap "Select" to add it into the message.



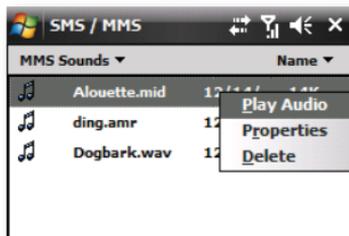
Adding audio

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.



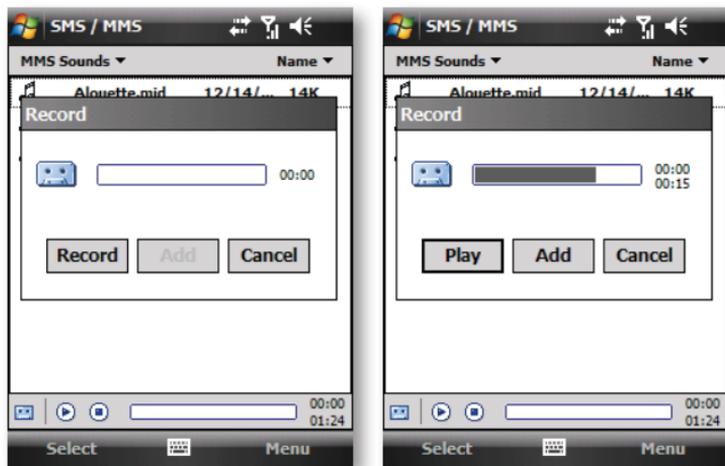
1. From the pull-down, select a location that contains audio files.
2. Tap the file you wish to add.

You can view file information similarly to photos and videos. Tap and hold on a file, then choose "Play Audio", "Properties" or "Delete". The file name, duration, date, and size are shown when you select "Properties". 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).

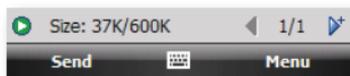
Highlight a file then tap "Select". Or tap the "X" in the top-right corner of the screen return to the previous screen.

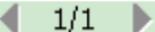


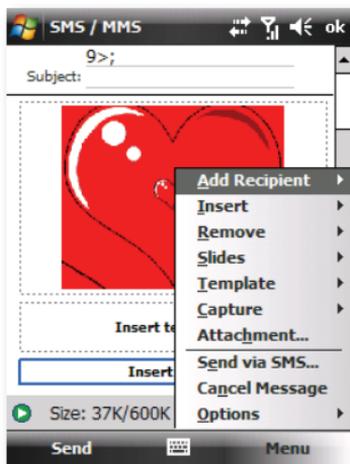
Icon	Description
	Tap this button to activate controls that allow you to record new audio.
Record	Tap this button to begin recording.
Add	Tap this button to add this recorded file to message.
Stop	Tap this button to stop recording.
Cancel	Cancel record file or play/add the recorded file.
Play	Tap this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

Menu commands

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

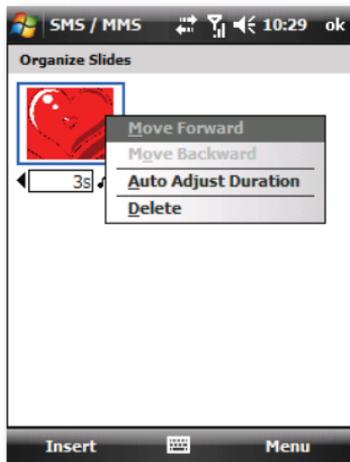


Icon	Description
	Tap here to preview your message.
	Takes you to the previous slide.
	Takes you to the next slide.
	The first number indicates the current slide you are viewing. The second indicates the total number of slides. Tap here to see a pop-up list of slides; tap the number you wish to see.



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.)
Insert Media	Insert a picture/video, audio track, or 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 "Select a 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.
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.
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 adjust duration (adjusts duration to match audio length,) and 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.

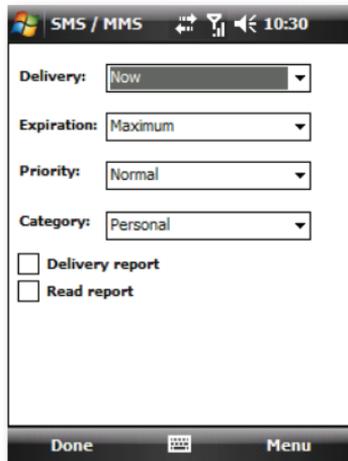
Set the message priority from the "Priority" pull-down.

Set the message category from the "Category" 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.

Save the settings and return to the MMS creation screen.



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".



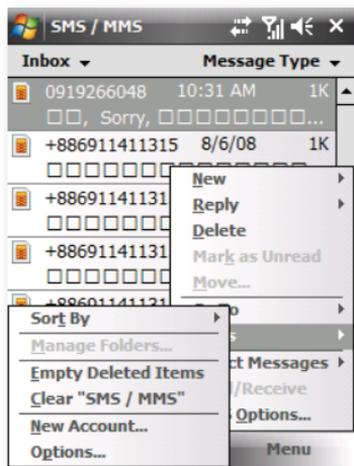
Tapping "Contents" displays a list of all the message components. Tap any component to open/view it.

In Contents

Item	Description
Properties	Displays the file name, resolution/duration, date, and size of an object.
Menu	Contains the following 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, Enter MMS configuration:
Tap "**Menu>MMS Options...**"



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.
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 sending/receiving messages	Check this option to disconnect the network connection after sending or receiving 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. <ul style="list-style-type: none">• The "Blacklist" tab lists the blacklist numbers you have set.• The "Servers" tab lists your available servers.• The "About" tab lists various program information.

Set up an MMS account

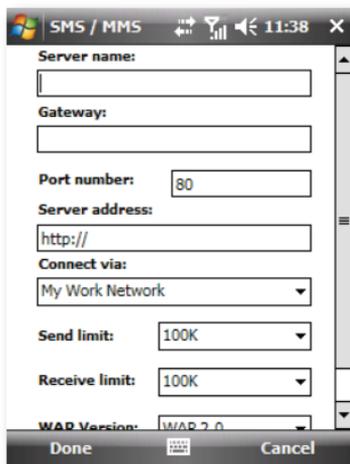
In order to send a message, you need a valid connection and a default server (consisting of a WAP gateway and an MMSC server). Users will usually not be required to enter the MMS network settings. These settings can be automatically configured and WAP provisioning is supported.

However, to access these settings manually:

Tap  > **Messaging** > **SMS / MMS** > **Menu** > **MMS Options...** > **MMS > Servers** > **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.



The screenshot shows a dialog box titled "SMS / MMS" with a standard Windows-style title bar. The dialog contains several fields and controls for configuring an MMS account:

- Server name:** An empty text input field.
- Gateway:** An empty text input field.
- Port number:** A text input field containing the value "80".
- Server address:** A text input field containing the value "http://".
- Connect via:** A dropdown menu currently showing "My Work Network".
- Send limit:** A dropdown menu currently showing "100K".
- Receive limit:** A dropdown menu currently showing "100K".
- WAP Version:** A dropdown menu currently showing "WAP 2.0".

At the bottom of the dialog are two buttons: "Done" on the left and "Cancel" on the right.



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

6.3 Message Application Live

About Windows Live

Windows Live on your mobile phone 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 Hotmail. 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  > **Programs > Windows Live.**

To use Windows Live Messenger 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 phone:

1. On the Today screen, tap  > **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 phone

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

1. Tap  > **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 phones contacts' 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  > **Programs > Windows Live.**

Then tap the green arrows to scroll through different Windows Live services.

You can start Messenger by tapping  > **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 phone is lost or stolen, others may gain access to Windows Live Messenger and Hotmail. If your phone is lost or stolen, go to a computer and change your Microsoft Passport credentials by logging into Account Services at <https://login.live.com/>. It also helps to secure your phone and hence access to Windows Live Messenger if a PIN is used.

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  > **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

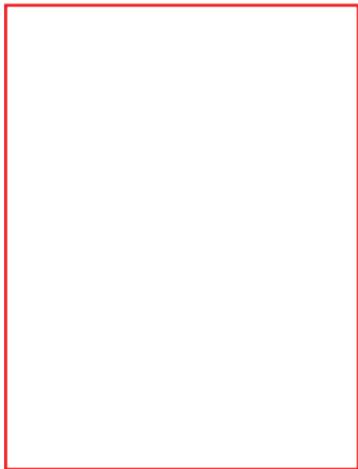
- To block a contact from viewing your status and sending you messages, select the contact and tap **Menu > Contact options > Block contact**.
- To unblock a contact, select the blocked contact from the list and tap **Menu > Contact options > Unblock Contact**.

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.

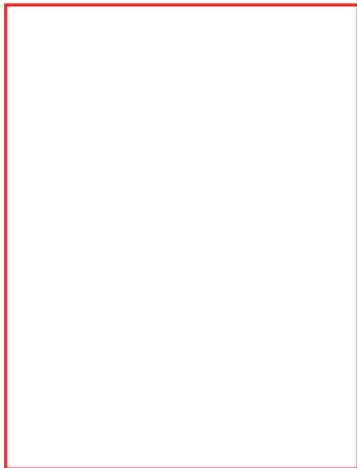


Let Contacts know you are not available

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 phone, you have access to your Hotmail inbox even when you're mobile. 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 phone 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

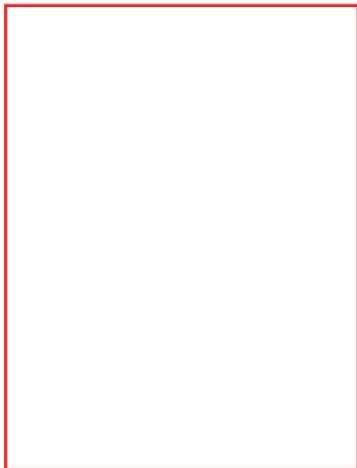
1. Tap **Menu > New** at the bottom of the Windows Live inbox screen.
 2. In the To: field, enter an e-mail address.
 3. In Subject field, enter the subject of the e-mail.
 4. Enter a message in the body of the e-mail, and then tap **Send**.
- You can write or reply to an e-mail while offline. Follow 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.

- 7.1 Contacts
- 7.2 Games
- 7.3 Calculator
- 7.4 Calendar
- 7.5 ClearVue PDF
- 7.6 Control Center
- 7.7 File Explorer
- 7.8 FM Radio
- 7.9 Getting Started
- 7.10 Internet Explorer Mobile
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- 7.12 JBlend
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- 7.17 Windows Media Player
- 7.18 WorldTime
- 7.19 World Weather
- 7.20 XT9 Dictionaries
- 7.21 XT9 Settings

CHAPTER 7

MORE PROGRAMS

7.1 Contacts

Contacts are your address book and information storage for the people and businesses you communicate with. Store home numbers and addresses, email 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.

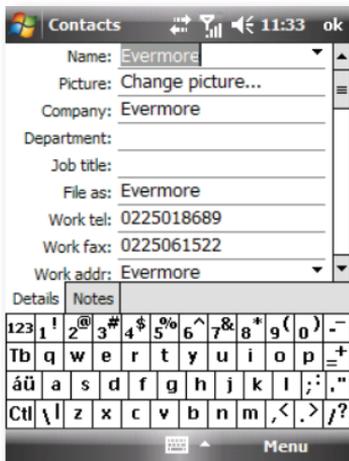
If you use Outlook on your computer, you can synchronize contacts between your phone and computer. If you have synchronized your contacts with an Exchange Server, then your contacts will be updated there too. In the list of contact information, you'll see where you can add a picture or assign a ring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

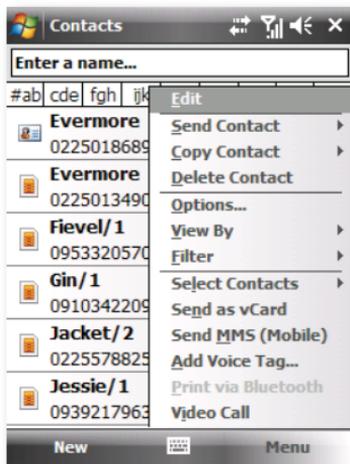
Create a contact

1. Tap  > **Contacts**.
2. Tap **New**.
3. Enter contact information. When finished, tap **ok**.



Change contact information

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



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.

Work with the contact list

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

1. Tap  > **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:

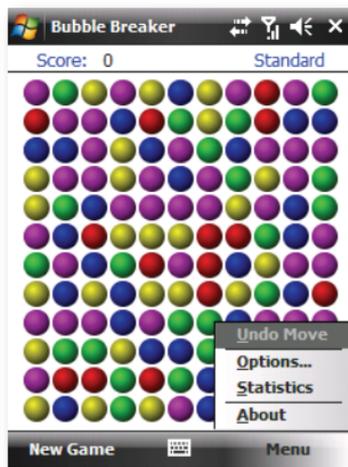
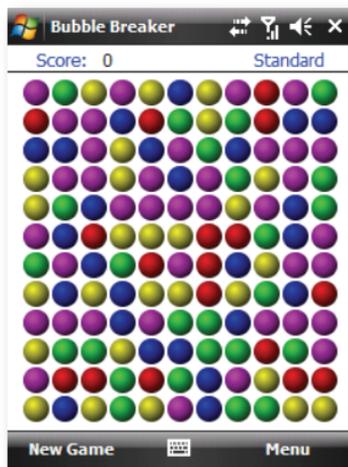
1. Tap  > **Contacts**.
2. If you are not in name view, tap **Menu > View By > Name**.
3. Do one of the following:
 - Begin entering a name or phone number in the provided textbox until the contact you want is displayed. To show all contacts again, tap the textbox and clear the text, or tap the arrow 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.

7.2 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 **Menu** > **Statistics**.



Setting Bubble Breaker Options

To change the setting options, tap **Menu > 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.

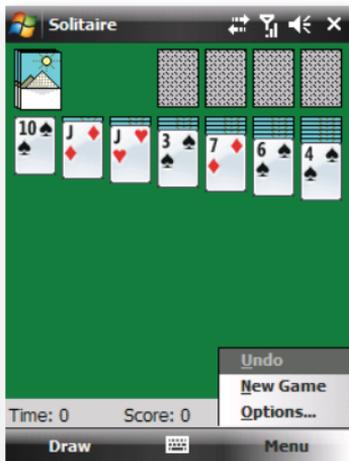
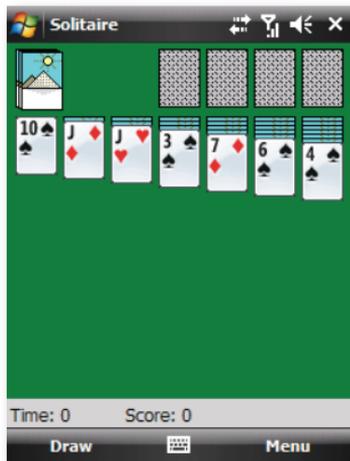
- **Standard** — The default mode of play where there is a set number of bubbles that will not increase.
- **Continuous** — In this style, whenever a vertical set of bubbles has been burst and the remaining bubbles have shifted over to the right, a new randomly selected column of bubbles will pop up 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.

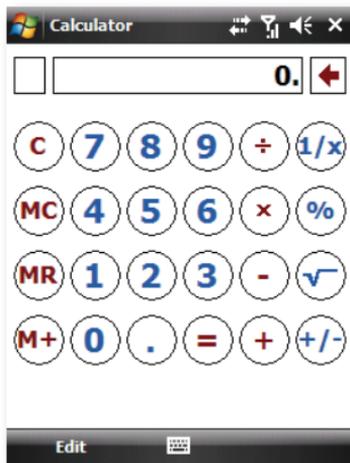
1. To open Solitaire, tap  > **Programs > Games > Solitaire**.
2. A new game is started. You can also tap **Menu > New Game** on the command bar to start a new game.



7.3 Calculator

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

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



NOTE:

- 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**.

7.4 Calendar

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

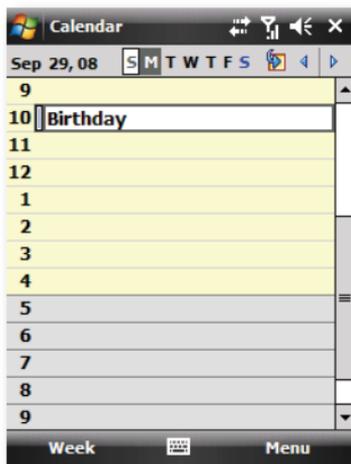
Your appointments for the day can be displayed on the Today screen. If you use Microsoft Outlook on your computer, you can synchronize appointments between your phone and computer. If you synchronize your calendar over your cellular connection to your e-mail account, it will also be kept up to date.

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  > **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.

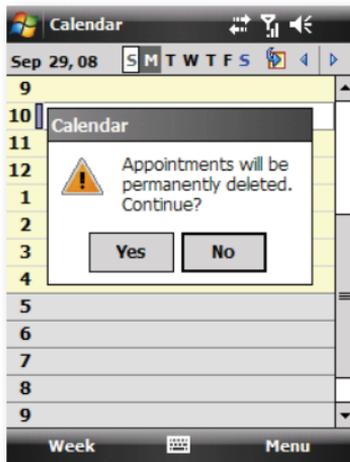
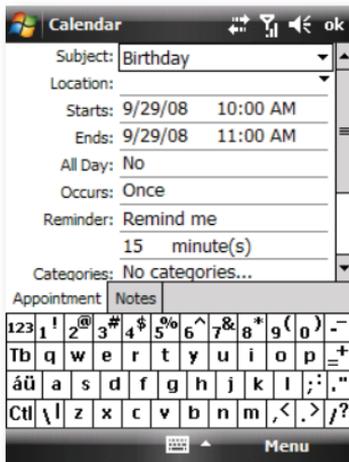


Schedule an appointment

1. Tap  > **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**.



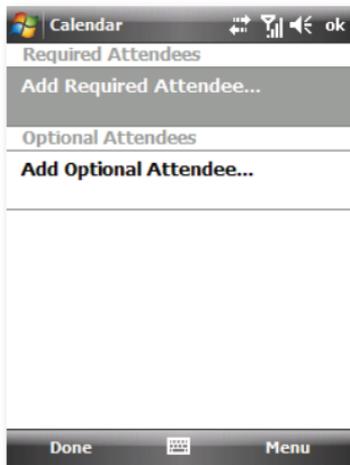
NOTE:

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

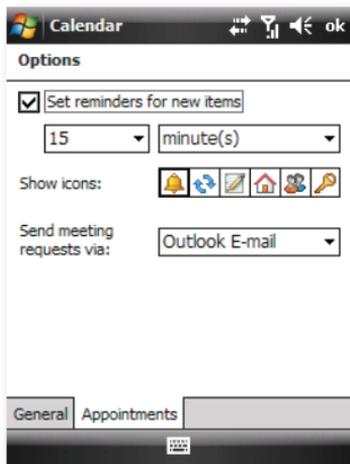
1. Tap  > **Calendar**.
2. Schedule a new appointment or open an existing one and tap **Menu > Edit**.
3. Tap Attendees.
4. Tap Add Required Attendee and/or Add Optional Attendee.
5. Tap the name of the contact you want to invite.
6. To invite each additional attendee, tap Add and tap the name.
7. Tap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



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  > **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.



7.5 ClearVue PDF

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

Open a PDF file

1. Launch ClearVue PDF by tap  > **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:

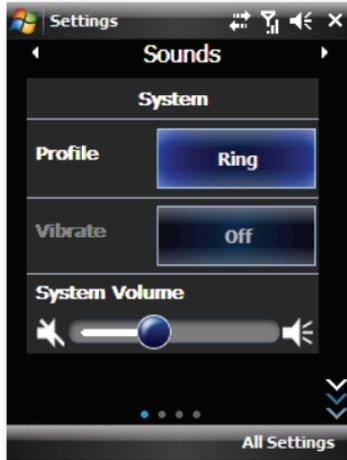
- Use scroll bars to move up/down and right/left.
- Use the navigation pad to move one line in the desired direction.

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.

7.6 Control Center

Tap  > **Programs** > **Control Center** you can to set the sounds, connectivity, display and system.



Operating Control Center

- There are four links in the interface of program after running.
- Click sounds to enter sound configuration.
- When the Profiles are Ring mode, it can be selected if vibration is opened; and the sound can be adjusted through the sliding block; and ringtype and ringtone can be set up.
When the Profiles are Silent mode, it only can be selected if vibration is opened.
- You can page-up and page-down through UP arrow and DOWN arrow.
Click Ringtype to set up the type of ring.
Click Ringtone to set up music of ring; music of ring can be added by yourself through "Add Ringtone".

- Click Connectivity to set up a connection; the corresponding connection can be opened or closed.
- Click Display to set up the display function; adjust intensity of backlight through the sliding block.
Click Backlight Off Timeout to set up the duration of backlight.
Click Device Off Timeout to set up the specific time.
- Click system to set up some of the system functions; information.
Resume to the default factory setting through preset password.

7.7 File Explorer

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

Run File Explorer

- On the Today Screen go to  > **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 files rather than copy it, select **Cut** in step 2.

Delete a file

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

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 a file addressee and tap **Send**. The file is sent as an attachment.

Create a new folder on the phone

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

View a Web Folder from your phone

You can access folders on your corporate intranet.

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

7.8 FM Radio

Tap  > Programs > FM Radio.

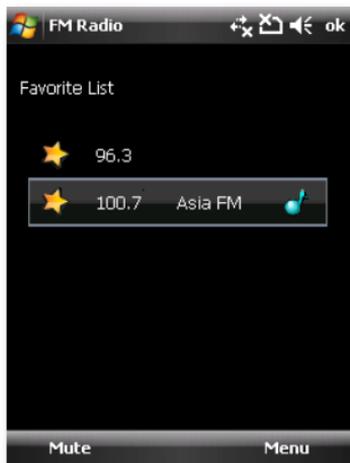


FM Radio allows you to listen to FM radio stations on your phone. Since FM Radio uses the provided stereo wired headset to listen, you must plug in the headset first onto the earphone jack of your phone before you open the program.

1. To listen to the next channel, You can flicker thumb from left to right or tap OLED next button.

To listen to the previous channel, You can flicker thumb to from right to left or tap OLED previous button.

2. You can tap "Add" to add a favorite channel.
You can tap "Favorite" to edit favorite channel list.
3. To listen special channel, You can tap "Go To" and select frequency that you want listen.



To open FM Radio

- Tap  > **Programs** > **FM Radio**.

The first time this program is used, it will automatically scan for available FM channels in your area, then play the first FM station found.

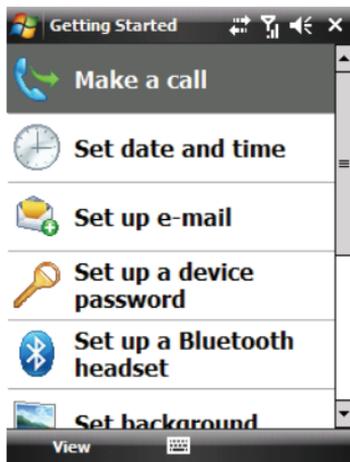
When you tap the **Exit** icon on the top right of the FM Radio screen, the program continues to run in the background and allows you to continue listening to the radio while you use other programs.

7.9 Getting Started

You can return to the Getting Started form your **Today** screen at any time by going to tapping the  > **Programs** > **Getting Started**.

Add or remove Getting Started

To add or remove the Getting Started form the Today screen, tap **Add/Remove**.

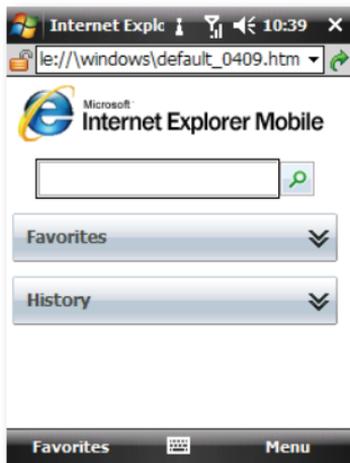


7.10 Internet Explorer Mobile

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

Start Internet Explorer Mobile:

From the Today Screen, tap  > **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 computer so that Favorites in your computer are also carried with you on your phone.

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 computer

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

1. In ActiveSync on your computer, on the Tools menu, click **Options**, and select Favorites.
2. In Internet Explorer on your computer, save or move favorites links to the Mobile Favorites subfolder in the Favorites list.
3. Connect your phone to your computer. 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

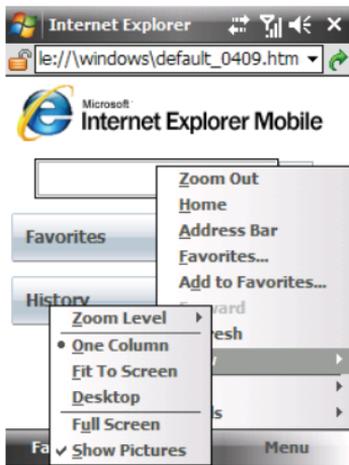
In Internet Explorer Mobile, tap **Menu > View > Text Size** and tap the size you want.

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 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 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 phone, 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 phone.

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 phone, including offline favourite's content, will be deleted.

7.11 Internet Sharing

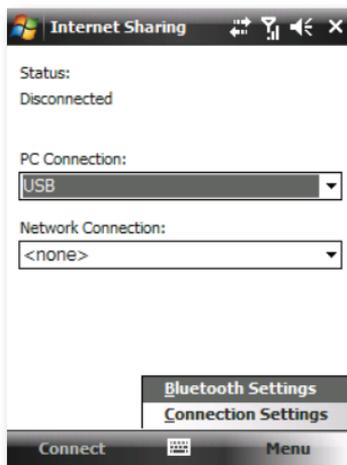
Internet sharing is a way to use your phone as a cellular and GPRS modem, as a means of connection to the Internet for your computer. Here, is provided a brief overview of the subject. You can find step-by-step guidelines for configuring your phone for use as a Wireless Modem on the Getting Started CD that came with your phone.



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

Start Internet Sharing

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



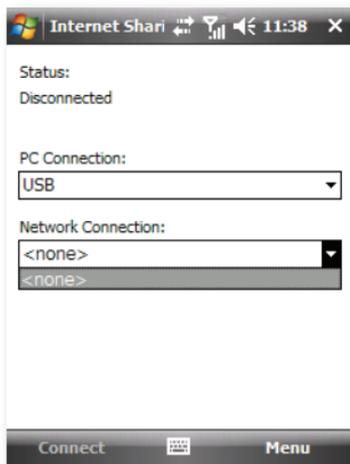
You should choose how you wish to connect your computer to your phone.

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 then you can use a USB cable or Bluetooth PAN.

If you have chosen to connect over USB

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



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

If you have chosen to connect using Bluetooth PAN:

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

7.12 JBlend

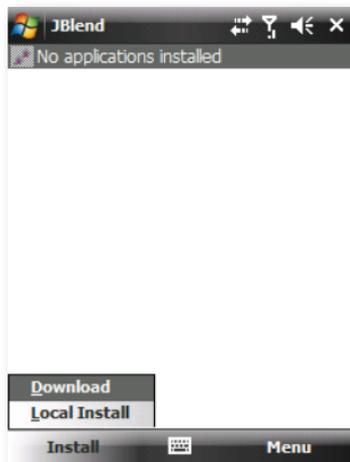
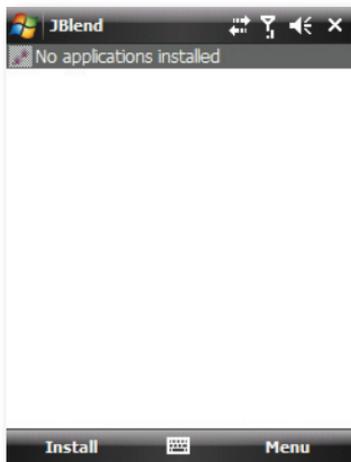
JBlend is a program environment targeting various applications running on mobile phones, such as games and useful applets.

Downloading JBlend applications may be charged or free of charge. For free JBlend applications, download them from the Internet or WAP sites.

For charged JBlend applications, consult your mobile phone service provider for purchase. To use JBlend, you need to subscribe to the service from your mobile phone service provider or download it from Internet via WLAN or GPRS. And make sure that you have set up the GPRS or WLAN connection on the phone.

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

Tap  > **Programs > JBlend.**



7.13 mobiGPS

mobiGPS can help to determine your GPS position by downloading Ephemeris data from the Qualcomm XTRA server via an Internet connection (either ActiveSync or GPRS/HSDPA).

In Today screen, tap  > **Programs > mobiGPS.**

Brief Description

A program allows users to download Ephemeris data from Qualcomm XTRA server to the enhance TTFF (Time to First Fix) performance. The data will help to speed up location of your position.

Main Page

1. Valid time:
 - It shows the valid time of the data downloaded last time.
 - As days and time pass, the remaining days and time of validity will be shown.
2. Download time:
 - It shows the last download time.
3. Download Now:
 - Tap "Download Now" button to download the XTRA information immediately.

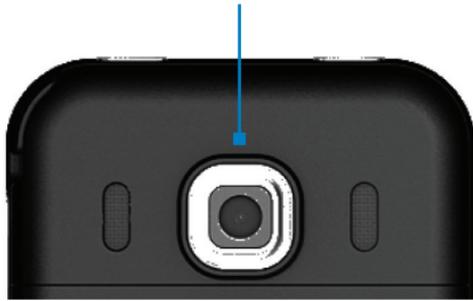
In Options page, you can enable following functions

1. Remind me when data expires.
2. Automatically download when data expires.
3. Automatically download when the phone is connected to a computer via ActiveSync.

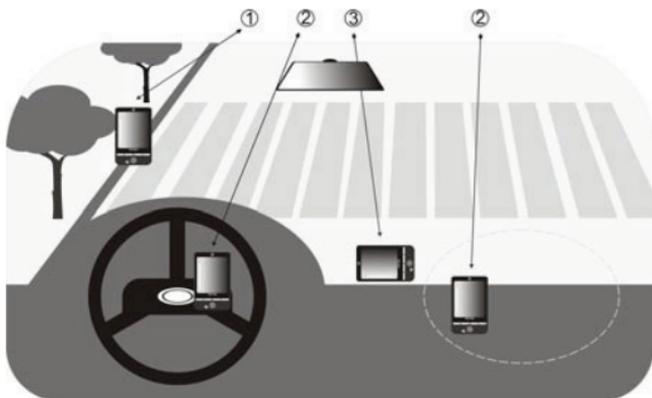
Guidelines and Preparation for Using GPS

- Do not operate the GPS system while driving. The plotted GPS route is only for driving reference. It should not interfere with actual driving behavior.
- Please use the GPS system cautiously. Users shall be liable for any damages resulting from negligent operation of the system.
- The GPS signal cannot pass through solid non-transparent objects. Signal reception may be affected by obstructions such as high-rise buildings, tunnels, bridges, forests, weather (rainy or cloudy days), etc. If the vehicle's visor contains metal, it will be difficult for the GPS signal to pass through. For better signal reception, connect your phone to an external GPS antenna.
- Wireless communication products (such as mobile phone or radar-detecting devices) may interfere with the satellite signal, resulting in unstable signal reception.
- The Global Positioning System (GPS) is built and operated by the US Defense Department. The Department is responsible for the accuracy and maintenance of the system. Any changes that the Department makes may affect the accuracy and function of the GPS system.
- Do not leave your phone in a vehicle or expose the phone to direct sunlight to avoid overheating the battery, which could pose damage to the phone or risk to the vehicle.

GPS antenna



- When using the phone inside a vehicle, use the car holder to mount the phone securely in place. Avoid placing the phone in the areas shown in the following diagram:



- 1 Do not place where it will block the driver's vision.
- 2 Do not place where air bags could deploy.
- 3 Do not place anywhere in the vehicle without securing the phone in the holder.

Downloading Satellite Data via mobiGPS

Before you start to use your phone for GPS navigation, open the mobiGPS program first to download ephemeris data (current satellite position and timing information) onto your phone. This data is needed to determine the GPS position of your current location.

mobiGPS downloads ephemeris data from a Web server, instead of from the satellites, using the Internet connection on your phone, which can be via ActiveSync or 3G/GPRS. This significantly speeds up the time for determining your GPS position.

To open mobiGPS

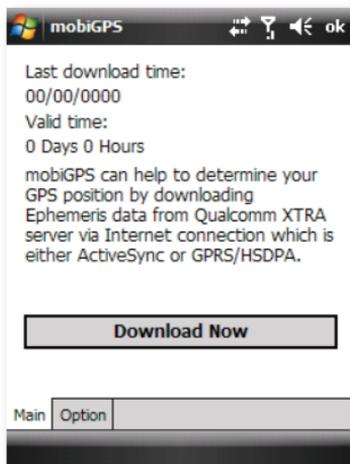
Tap  > **Programs** > **mobiGPS**.

To download data

Tap **Download** on the mobiGPS screen.

On the screen, initially, you will see the **Valid time** of the downloaded data. As time passes, the remaining days and hours of validity will be shown.

To speed up GPS positioning, download the latest ephemeris data when the validity of the data expires.



Download options

To configure download times, tap **Menu > Options** and choose from the available options:

- **Remind me when data expires.**

Enables your phone to display a reminder message when the validity of the ephemeris data has expired.

When you see the reminder message, tap **Menu** to dismiss the reminder or to set the snooze time so that you will be reminded again. Tap **ok** to open the mobiGPS program and download the latest data.

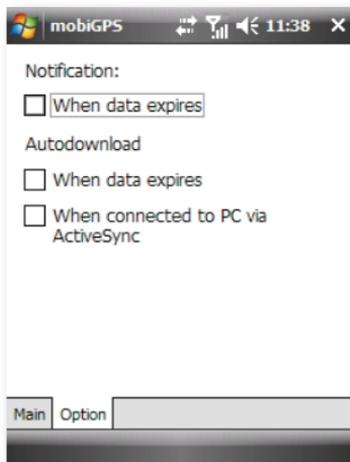
- **Autodownload when data expires.** Allows ephemeris data to be automatically updated onto your phone when the data has expired.

- **Autodownload when connected to computer via ActiveSync.**

Allows ephemeris data to be automatically downloaded via ActiveSync to your phone when your phone is connected to your computer. Your computer must be connected to the Internet in order to download data.



NOTE: The ephemeris data is stored on Qualcomm XRTA Web servers. mobiGPS is preconfigured to connect to these servers.

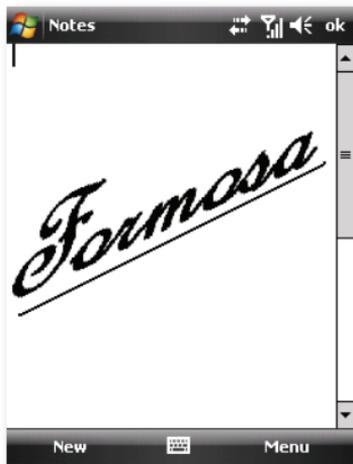


7.14 Notes

Using Notes, you can create handwritten and typed notes, record voice notes, convert handwritten notes to text for easy readability, and more.

To create a note

1. Tap  > **Programs > Notes**. In the note list, tap **New**.
2. Choose an input method and then enter your text.
3. When finished, tap **ok** to save and return to the note list.



NOTE:

- To select handwritten text, tap and hold next to the writing. As soon as dots appear, and before they form a complete circle, quickly drag across the writing.
- If a letter crosses three ruled lines, it is treated as a drawing rather than text.

To draw in a note

1. Create or open a note file.
2. Use the stylus to draw on the screen. A selection box then appears around your drawing.
3. Tap **ok** to save.



NOTE: To select a drawing (for example, to copy or delete it), tap and hold the drawing briefly. When you lift the stylus, the drawing is selected.

To record a voice note

You can create a stand-alone recording (voice note) or you can add a recording to a note.

1. Tap  > **Programs > Notes**.
2. If you do not see the Recording toolbar, tap **Menu > View Recording Toolbar**.
3. Do one of the following:
 - To add a recording to a note, create or open a note.
 - To create a stand-alone recording, record from the note list.
4. Tap the Record icon (●) to begin recording your voice. Tap the Stop icon (■) when you are finished recording.



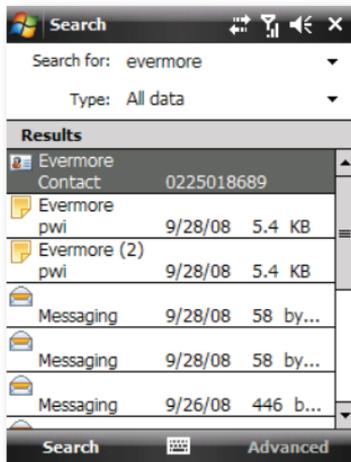
NOTE: To select the voice recording format, return to the note list and then tap **Menu > Options > Global Input Options link** (at the bottom of the Options screen). On the Input screen, tap the Options tab and choose the desired format from the Voice recording format list.

7.15 Search

You can search for files and other items stored in My Documents folder or on an installed storage card of your phone. 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  > **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.



7.16 Tasks

Use Tasks to keep track of things you need to do. A task can occur once or repeatedly (recurring).

Your tasks are displayed in a task list. Overdue tasks are displayed in red. A reminder will be displayed when you have new tasks to be completed.

To create a task

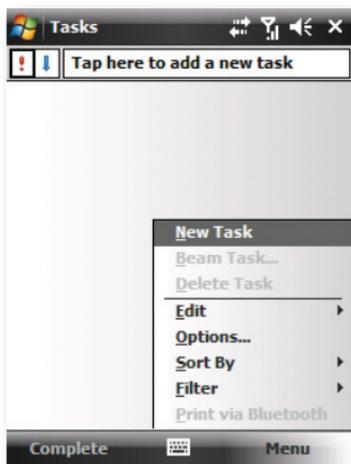
1. Tap  > **Programs** > **Tasks**.
2. Tap **Menu** > **New Task** or the Tap here to add a new task field at the top of the screen. Enter a subject for the task and fill in information such as its start, due date, priority, etc.
3. When finished, tap **ok**.



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.

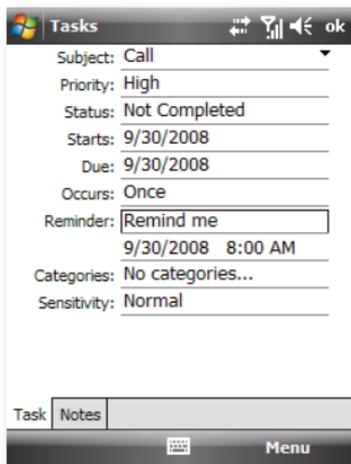
1. Tap  > **Programs > Tasks**.
2. Tap **Menu > Filter > All Tasks**, Recently Viewed, No Categories, Active Tasks or Completed Tasks.



To change the priority of a task

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

1. Tap  > **Programs** > **Tasks**.
2. Tap the task you want to change the priority for.
3. Tap **Edit**, and tap a priority level in the Priority box.
4. Tap **ok** to return to the task list.



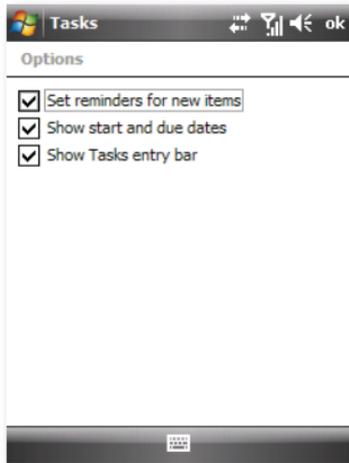
NOTE: All new tasks are assigned a Normal priority by default.

To show start and due dates in the task list

1. Tap  > **Programs > Tasks.**
2. Tap **Menu > Options.**
3. Select the Show start and due dates check box, then tap **ok.**

To send task information as a vCalendar

After selecting the task to send in the Task screen, tap **Menu > Send** as vCalendar to send a vCalendar containing task details as a file attachment in an MMS message.



7.17 Windows Media Player

You can use Microsoft Windows Media Player Mobile on your phone to play digital audio and video files that are stored on your phone 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  > **Programs > Windows Media.**

Supported File Formats	File Extensions
Video	
• Windows Media Video	*.wmv
• H.263	*.3gp
• MPEG4	*.mp4
Audio	
• Windows Media Audio	*.wma
• MP3	*.mp3
• MIDI	*.mid. *.mid
• AMR Narrow Band	*.amr
• AAC	*.aac

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 controller 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.

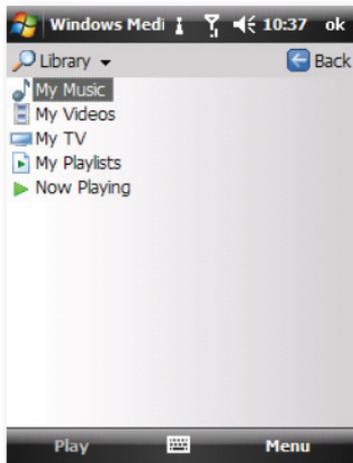


When viewing the Playback screen, the following commands appear in the Menu.

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 phone or storage card.
Open File	Lets you find and play files that are stored on your phone or storage card but that are not in the library.
Open URL	Lets you play a file on a network, such as the internet.
Properties	Displays information about the selected file.

Copy files to your phone

Use the latest version of the desktop Player (Windows Media Player 10 or later) to synchronize digital media files to your phone (instead of dragging a file from a folder on your computer to a folder on your phone). 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 phone. 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 phone. For more information about synchronizing files to mobile phones, see desktop Player Help on the computer.



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

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 phone. Files that have licenses associated with them are called "protected files".

For more information about synchronizing files to your phone and other mobile phones, 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 phone

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

1. If you are not on the Library screen, 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 phone 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 phone and a network, see the Getting Connected chapter in this manual and Connections help on the phone.

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>

7.18 WorldTime

World Time gives you a glance of the current time in five different cities.

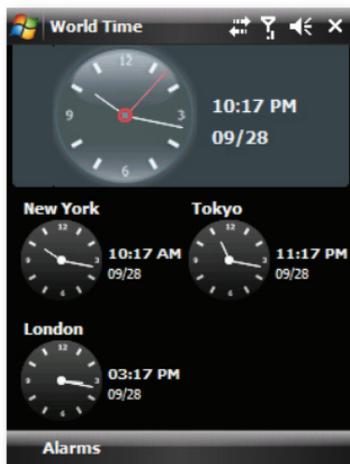
Starting and Exiting World Time

Tap  > **Programs** > **World Time**.

The World Time main screen (Standard style) is shown on the right.

By default, five standard-style clocks appear on the screen. The biggest clock shows the default system clock. The other four clocks show the time of the other cities.

To exit the program, tap the Exit soft key.



Selecting Cities

You can select your own four cities to be displayed on the screen from a list of 472 cities.

1. Tap the  and select you want **City**.
2. The screen displays the information of the five cities.
3. To change the city, tap the down arrow to expand the drop-down list, select a country then select a city from the list.
4. Tap the **city name** to save the setting.

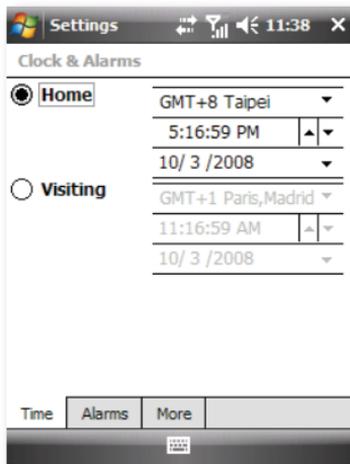


Adjusting the Time

1. Tap the **Alarms** and select **Time** tab.
If you visit or communicate with someone in a particular time zone often, you can select it as your visiting time zone.
2. When completed, tap the **ok** to save the setting.



NOTE: When you adjust the time of a city, the time of the other cities is changed accordingly.



7.19 World Weather

Weather

Weather shows you the current weather as well as weather information for the next five days of the week. The first time you use this feature, you need to select your city first to download weather information.

To select your city



1. Tap the **Weather** icon on mobiToday.
2. Tap the area that shows "Tap here to select a default city".
3. On the Select City screen, type in the city name whose weather information you want to track, then tap the **city name**.



NOTE: You can also browse through the list of cities to choose your city.

To view weather information

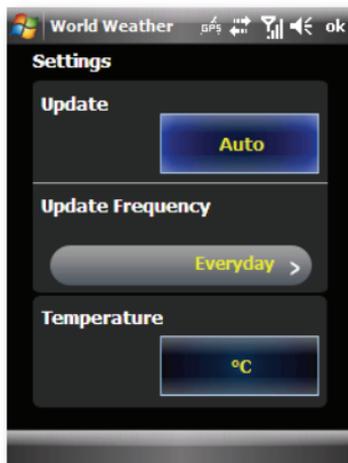
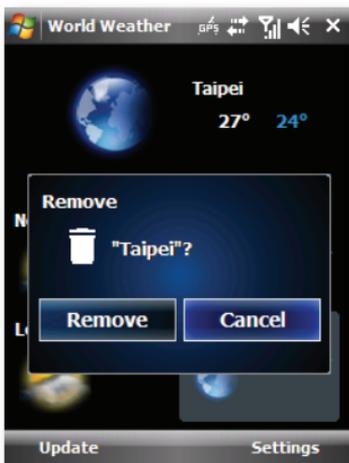
After selecting your city, your phone automatically connects to the Internet via GPRS/3G and downloads weather information of the current day and the next five days of the week. The current temperature, the highest and lowest temperatures, and a visual indicator of the climate (showing if it's a cloudy or rainy day, etc.) will be displayed in the **Weather** tab.



NOTE: You can also use the Wi-Fi connection of your phone to download weather data. For more information about using Wi-Fi, see Chapter 10.

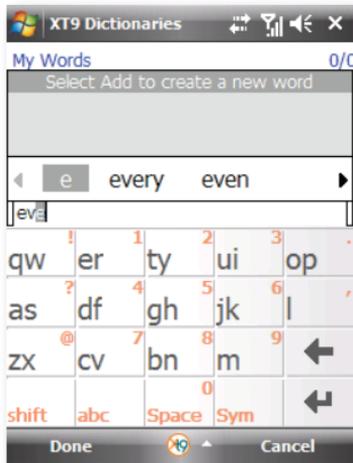
To customize weather settings

1. Tap the city name.
2. On the Select City screen, Tap **City View**.
3. Enable or disable the following options:
 - The World Weather can get different city's weather information in the next six days.
 - The World Weather application has two display type: city view and world view.
 - World view allows you to show five different city's weather information at the same time.
 - City view allows you to show one city's six days weather information at the same time.
 - The World Weather application allows you to drag in world view.
 - You can drag no-default area city to default area and swap their position.
 - You can slip to change the city in city view.
 - You can click update menu to manual update weather information.
 - You can set update frequency when auto updating.
 - You can set temperature type (Fahrenheit or Celsius).
 - The World Weather application allows you to add and remove cities.



7.20 XT9 Dictionaries

To enter a word in XT9 mode, press the numeric keys that contain the letters you want. As you enter letters, XT9 analyzes your keypresses and attempts to complete the word. For example, to enter the word "shoe", press **?, 5, ., 1**.



Entering texts

- Position the cursor in a text entry area. Spell texts by tapping letters on the keypad. As you tap letters, word choices display in the selection list. You either tap the complete word, or choose the word from XT9.
- Once you've finished tapping letters, if the word displayed is not the one you want, you can select texts from the selection list.

Selecting texts

- XT9 displays the most likely word. It also displays other texts which you can choose from the list.
- Tap the selection list arrow keys to scroll through the list, then tap a word or press ok, to select the word you want.



NOTE: Tap the space key to select the word and be ready to enter another!

Entering punctuation

Tap the .!? key (also known as the Smart Punctuation key) to enter punctuation. XT9 will predict what punctuation you want. If the displayed symbol isn't correct, pick the punctuation you want from the selection list, or you can access additional punctuation on the Symbols page.

Entering symbols

Tap the Symbols page key to get pages of special characters, then scroll through the pages using the up and down arrow keys. When finished, tap ESC to return to text entry.

Changing mode

Tap the Mode key to change the current mode.

- abc - multitap mode
- 123 - numbers mode
- XT9 - XT9 mode

Deleting text

Delete text by tapping the Backspace key. Each short tap deletes a character left of the cursor. Hold the Backspace key to delete characters quickly.

Adding custom texts

If XT9 doesn't recognize the word you are trying to enter, type the word in ABC mode. XT9 will remember your word the next time you enter it. You can also add texts using the **XT9 Dictionary**.

1. Tap **Start > Programs screen**
2. Select **XT9 Dictionaries**.
3. Select **XT9 My Texts**.
4. Tap **Add** to enter a word in the my texts list.

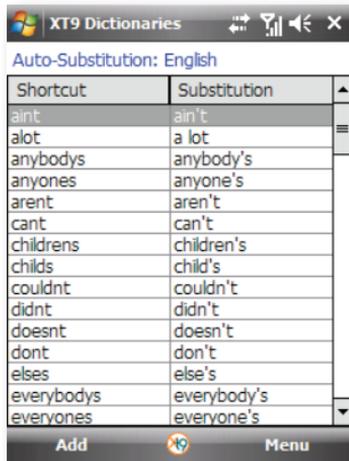
The next time you want the word, XT9 will know it!

Adding auto substitutions

Shortcuts (or auto substitutions) in XT9 make text messaging even quicker. There are many shortcuts already available in XT9, mostly for entering common contractions, like don't and you're. For example, type "dont" and the XT9 will offer the word "don't" You can also add shortcuts using XT9 Auto Substitutions.

1. Tap **Start > Programs screen**
2. Select **XT9 Dictionaries**.
3. Select **XT9 Auto Substitutions**.
4. Tap **Add** to enter a shortcut and a substitution in the auto substitutions list.

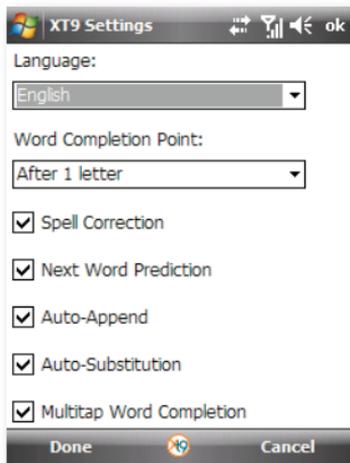
The next time you tap the shortcut, the substitution will appear!



Shortcut	Substitution
aint	ain't
alot	a lot
anybodys	anybody's
anyones	anyone's
arent	aren't
cant	can't
childrens	children's
childs	child's
couldnt	couldn't
didnt	didn't
doesnt	doesn't
dont	don't
elses	else's
everybodys	everybody's
everyones	everyone's

7.21 XT9 Settings

1. Tap **Start > Programs > XT9 Settings**.



Changing language

Change the text input language to access the XT9 texts from other languages:

1. From the **XT9 Settings** screen.
2. Select the language from the drop-down list.
 - Word Completion Point - Determines the number of letters that are typed before XT9 offers word completions.
 - Word Completion - Specifies whether XT9 uses the word completion feature.
 - Next Word Prediction - Specifies whether XT9 uses the next word prediction feature.
 - Spell Correction - Specifies whether XT9 uses spell correction.

Using spell correction

XT9 spell correction helps you to correctly spell longer texts. For example, if you tap the letters “yesterdam”, XT9 will still offer you the word “yesterday.” This feature is on by default. You can turn it off using **XT9 settings**.

Using next word prediction

XT9 next word prediction helps you to repeat common phrases. For example, if you type the texts “Last person to get home cooks dinner”, the next time you type “Last” XT9 will give you the option to select the texts “person to get home cooks dinner” by just tapping the space key. This feature is off by default. You can turn it on using **XT9 settings**.

Using word completion

- XT9 word completion helps you quickly enter longer texts. For example, tap “tomo” then “space”, and you'll get the word “tomorrow.”
- If you don't want the completed word, just keep tapping. XT9 word completion is on by default. You can turn it off using XT9 options.



- 8.1 Microsoft Excel Mobile
- 8.2 OneNote Mobile
- 8.3 Microsoft PowerPoint Mobile
- 8.4 Microsoft Word Mobile

CHAPTER 8

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 computers. Access Office Mobile by tapping  > **Office Mobile**.

8.1 Microsoft Excel Mobile

Microsoft Excel Mobile makes it easy for you to open and edit Excel workbooks and templates created on your computer. You can also create new workbooks and templates on your phone.

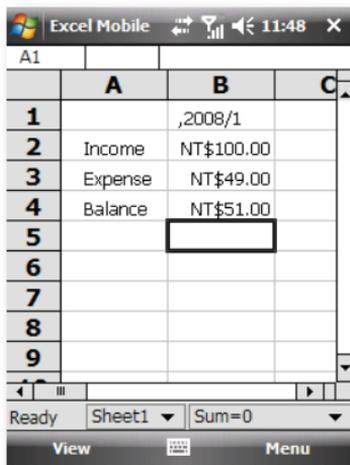
Run Microsoft Excel Mobile

- Tap  > **Office Mobile** > **Excel Mobile**.

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

Create a new Workbook

- Tap **Menu** > **File** > **New**.



	A	B	C
1		,2008/1	
2	Income	NT\$100.00	
3	Expense	NT\$49.00	
4	Balance	NT\$51.00	
5			
6			
7			
8			
9			

Ready Sheet1 Sum=0

View Menu

Send a Workbook

To send a workbook to a phone nearby you may use Bluetooth.

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

Select the phone 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 computer can be opened and edited on your phone.

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 phone. 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 phone are mapped to the closest font available. The original font is listed on your phone. When the workbook is opened again in Excel on your computer, 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.

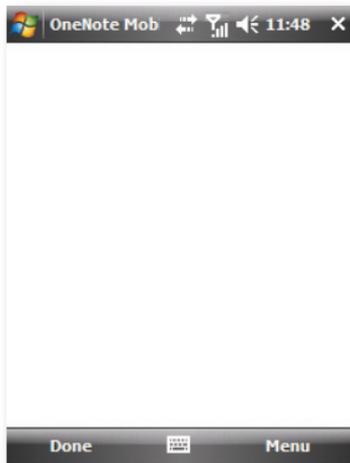
- Worksheet features. The following features are not supported in Excel Mobile and are removed or modified when a workbook is opened on the phone: hidden sheets are not hidden; VBA modules, macro sheets, and dialog sheets are removed and replaced with a place holder sheet; text boxes, drawing objects, pictures, lists, conditional formats, and controls are removed; pivot table data is converted to values.

8.2 OneNote Mobile

OneNote Mobile has some helpful editing and formatting features such as bullets and numbered lists, and also bold, italic, underline, strikethrough. One very useful feature of OneNote Mobile is that since it can sync notes from OneNote onto the phone, it can show much of the formatting of OneNote even though it can't create that. If you edit the notes from OneNote, the formatting is retained. For example, you can view tables even though OneNote Mobile doesn't let you create tables. You can also add items to a list numbered with, for example, Roman numerals and the numbering works, even though you can't assign roman numerals in OneNote Mobile.

Use the Notes Browser to manage your mobile notes

Whenever you start OneNote Mobile on your phone, the Notes Browser is displayed. It lists all available notes on your phone. You can use the Notes Browser to create, open, rename, delete, sort, and manage notes that you take with OneNote Mobile.



Create and save a new note

1. Tap  > **Office Mobile** > **OneNote Mobile**.
2. In the Notes Browser, select **New**.



NOTE:

- While taking notes, you can undo a mistake by selecting Menu and then selecting Undo.
- The first line of text that you type is the file name for this note. You can change the file names in the Notes Browser by renaming the notes in the list.

-
3. When you finish taking notes, select **Done**. OneNote Mobile returns to the Notes Browser list.

Open or close a note

To open a note for reading or editing, do the following:

- In the Notes Browser list, select the note that you want to open, and then press the Action key on your phone.

To close a note and return to the Notes Browser, do the following:

- While reading or editing a note, tap **Done**.



NOTE: Just like in the full version of Office OneNote 2007, it is not necessary to explicitly save your notes. OneNote Mobile continuously saves changes to the current note while you are editing it, and changes are also saved when you close a note.

Rename a note

1. In the Notes Browser list, select the note that you want to rename.
2. Tap **Menu > Rename**.

Delete a note

1. In the Notes Browser, select the note that you want to delete.
2. Tap **Menu > Delete**.

Sort your notes

When you finish reading or editing a note, you can close it and return to the Notes Browser.

1. To close a note and return to the Notes Browser, tap **Menu > Options**.
2. Using the right and left directional keys on your phone's keypad, select the sort criteria that you want (Name or Date modified), and tap **Done**.

Add a picture or an audio recording to your mobile notes

In OneNote Mobile, you can insert into your notes any images that you have captured with (or transferred to) your phone, and you can record audio notes and place them in your written notes.

Insert a picture

You can add to your notes any pictures that you have captured with the camera in your phone, or that you have transferred to your phone from your computer.

1. Click **Menu**, and then select **Insert Picture**.
2. Press the directional keys on your phone's keypad to select the picture that you want to insert, and then select **Insert**.



NOTE:

- To cancel, select **Menu**, and then select **Undo**.
 - You can zoom in and out of inserted pictures to view detail. Move the cursor over the picture to select it, press the **Action** key on your phone.
-

Insert an audio recording

You can take audio notes by using the microphone in your phone and link the audio notes to your written notes. This is especially useful when you need to capture a lot of information, but typing on your phone proves too cumbersome.

1. Click **Menu**, and then select **Insert Recording**.
2. To begin recording audio notes, select **Record**.



NOTE: To cancel, select **Menu**, and then select **Undo**.

Play back an audio recording

1. In your notes, position the cursor over the audio recording icon to select it. Selected objects are shown with a thick, red border.
2. Press the **Action** key on your phone.

8.3 Microsoft PowerPoint Mobile

With PowerPoint Mobile, you can open and view slideshows created on your computer in *.ppt and *.pps format with PowerPoint '97 and later. Many presentation elements built into the slideshows such as slide transitions and animations will play back on the phone. 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 phone 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  > **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  > **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.

8.4 Microsoft Word Mobile

Microsoft Word Mobile is a pocket version of Microsoft Word. Word documents created on your computer can be opened and edited on your phone. You can also create and edit documents and templates in Microsoft Word Mobile and save them as *.doc, *.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  > **Office Mobile** > **Word Mobile**.

Create a new document

- Tap **New**.



Send a document

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

1. Tap the file you would like to send to another phone.
2. Tap **Menu > File > Beam....**
3. Select the phone 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.**



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 document.

Unsupported features in Word Mobile

Word documents created on your computer can be opened and edited on your phone.

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 phone.

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 computer 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 the document 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, *.rtf, *.txt, or *.dot format.

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

- Fonts and font sizes. Fonts not supported by the phone are mapped to the closest font available, although the original font will be listed on the phone. When a document that has been edited in Word Mobile is opened on the computer, 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 phone.

Lists. Indented lists are not displayed on the phone in the same way they are displayed on the computer. 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 computer, 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.



- 9.1 About Camera
- 9.2 Taking Pictures
- 9.3 Camera Album
- 9.4 Pictures & Video

CHAPTER 9

CAMERA

Your phone features a built-in 3M auto-focus camera. You can take pictures or record video clips, and then directly view these pictures on the phone. What's more, you can immediately share with others your pictures through the mobile phone network service.

9.1 About Camera

To switch to the program, press the Camera button on the phone, or tap  > **Programs** > **Camera**. The screen automatically turns to the landscape mode.

The program will enter the standby mode automatically.

- By default, the backlight is turned off after 30 seconds of inactivity in the standby mode. (To change the setting, tap  > **Settings** > **System** > **Backlight**.) The on-screen message will disappear. You can tap anywhere on the screen or press any button to resume the backlight.
- By default, the phone enters the suspend mode after 1 minute in the program standby mode with the backlight turned off. (To change the setting, tap  > **Settings** > **System** > **Power** > **Advanced**.) You can press the Power button to resume the program.

9.2 Taking Pictures

1. By default, the camera is in the Camera and landscape mode.
2. Frame your target in the viewing window. You can rotate the phone if necessary.



- To adjust the image brightness, tap **EV**. The adjustable range is -2 ~ +2.
 - To zoom in or out the image, tap or use the volume keys on the phone. The options include 1x, 2x and 4x. (The actual zoom options depend on the image resolution. A higher resolution allows less zoom options.)
 - Pressing the center of the camera key can hide/display the on-screen buttons.
3. To change the settings, use the OSD button. (See "Camera Settings" later in this chapter.)
 4. When you are ready, press the Camera button halfway to focus first, and then press the Camera button fully to take the picture.
 5. The picture (JPG format) will be saved automatically. If a storage card is inserted, the file will be saved in the \Storage Card\Camera Album folder.
Otherwise, the file will be saved in the \My Device\My Documents\My Pictures folder on the phone.
 6. To view the saved picture, tap to enter the viewing mode.
 7. To exit program, tap **X** to close it.

9.3 Camera Album

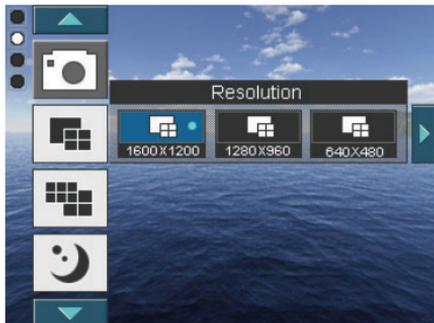
Taking photos and recording video clips with audio is easy with your phone's built-in camera.

Tap  > **Programs** > **Camera** or press the Camera button on your phone.

To exit the Camera screen, tap .

Camera Setting

By using either the Navigation controller 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 3M, 2M, 1M, VGA, QVGA and QQVGA.
3	Tool Settings	You can tap  on the screen to access the setting items.
4	Close	Close the application.

No.	Name	Description
5	Pictures & Videos	Launch the Pictures and Videos application. See Chapter Pictures & Videos.
6	Video Mode	Switch from camera to video mode.

Taking pictures

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

Notice that this button detects a soft press or a firm press differently. Use a soft press to focus on the subject. Use a firm press when you want to take the shot.

Adjusting Brightness

Press the OLED navigation controller up or down to alter the brightness.

Capture modes

While using Still Image capture modes, such as Photo, Burst or Timer, you can capture still image(s) by pressing the Camera or Action buttons on the phone, or tapping Capture on the screen. Still Image capture modes support JPEG.

- **Normal: Captures standard still images.**
- **Self Timer: 2 secs or 10 secs. After 10 seconds the picture is taken automatically.**

Picture Resolution

Your phone is equipped with a 3.0 Mega pixel Digital-Effect 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 available memory for other pictures.

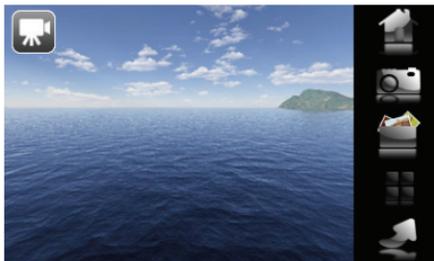
To set the resolution of the pictures to be captured, tap the camera menu  icon  then select **Resolution**.

Switching to video mode

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

To Setting Video

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



No.	Name	Description
1	Recording Time	Display the amount of time the video has been recording for.
2	Video Resolution	Switch between CIF, QVGA, QCIF and SUBQCIF.
3	Tool Settings	Tap  .
4	Close	Close the application.
5	Pictures & Videos	Launch the Pictures and Videos application. See Chapter Pictures & Videos.
6	Video Mode	Switch from camera to video mode.

Capturing Video

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

1. **Press the Camera button or then tap  > 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 phone 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 on review screen.**

Adjusting Brightness

- **Press the OLED Menu icon then select EV setting. Press OLED navigation left or right control left or right to alter the brightness.**



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

Camera Setting

From either camera or video modes tap the icon.

The Setting screen contains following tabs:

No.	Description
	Change the shooting mode: Normal and Frame.
	Change the image size.
	Adjust image quality level for all captured still images. You can choose from Fine, Normal, and Economy.
	Change the scene mode: Auto and Night.
EV	Choose the exposure value for the photo.
WB	Tap to toggle among the different white balance settings: Auto, Sunny, Cloudy, Incandescent, and Fluorescent.
	Choose the vividness or a special effect for photo, off, Sepia, and Monochrome etc., to apply to your photos or video clips.
	Choose the contrast value for the photo.
	Self timer settings.
GPS	Store longitude and latitude in the photo for navigation.
	Additional camera settings.
	For information about copying and version files on your phone.

Video Setting

From either camera or video modes tap the icon.

The Setting screen contains following tabs:

No.	Description
	Change the recording mode: Normal and MMS.
	Change the image size.
	Adjust image quality level for all captured still images. You can choose from Fine, Normal, and Economy.
	Change the scene mode: Auto and Night.
EV	Choose the exposure value for the photo.
WB	Tap to toggle among the different white balance settings: Auto, Sunny, Cloudy, Incandescent, and Fluorescent.
	Choose the vividness or a special effect for photo, off, Sepia, and Monochrome etc., to apply to your photos or video clips.
	Choose the contrast value for the photo.
	Microphone on or off.
	Additional camera settings.
	For information about copying and version files on your phone.

9.4 Pictures & Videos

With Pictures & Videos, you can:

- View, and edit pictures.
- Record and launch video clips stored on the phone or on a Micro SD card.
- Send pictures and video clips to others.
- Set a picture as the background on the Today screen.
- See your pictures individually, as thumbnails, or as part of a slide show.
- Edit your pictures by cropping, rotating, and adjusting the brightness and contrast.

Viewing Pictures and Launching Video Clips

1. You can copy picture and video files from your computer to the My Device\My Documents\My Pictures folder of the phone. (For information on copying files to the phone, see ActiveSync Help on your computer.)
2. To view pictures or video clips stored on a Micro SD card, insert the card.
3. Tap  > **Programs > Pictures & Videos.**
- or -
4. By default, the program displays thumbnails of the pictures and video clips in the **My Pictures** folder, within the **My Documents** folder on the phone.
5. Thumbnails of pictures and video clips appear on the screen. You can tap one of them to view in full screen mode.



10.1 Connection Settings

10.2 Beam

10.3 Bluetooth

10.4 Domain Enroll

10.5 Network Config

10.6 SMS Service

10.7 USB to computer

10.8 Wi-Fi

10.9 Wireless Manager

10.10 WLAN Manage

CHAPTER 10

GETTING CONNECTED

Your phone 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 phone is able to configure itself for data services from many of the major GSM/GPRS/UMTS/HSDPA/HSUPA operators across the world. Simply insert your SIM/USIM card and switch on your phone. If the settings are not known for your operator, the phone 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.

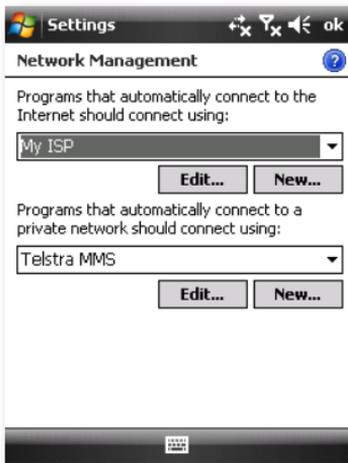
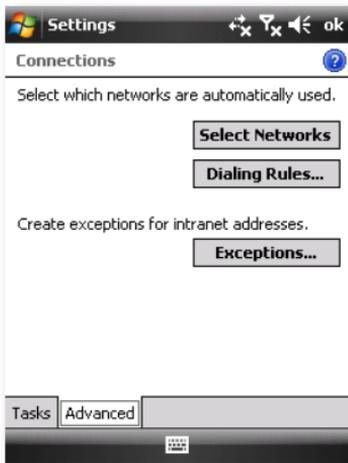
10.1 Connection Settings

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

Your phone 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.

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

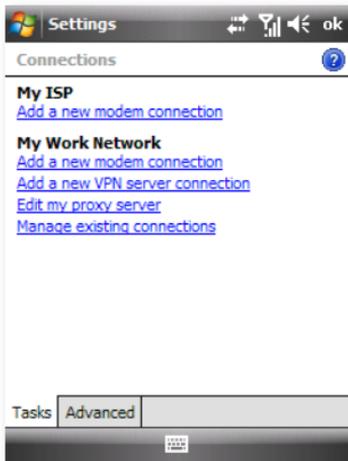
- Tap  > **Settings** > **Connections tab** > **Connections** > **Advanced** tab > tap the **Select Networks** button.
- From Programs that automatically connect to the Internet, select My ISP.
- From Programs that automatically connect to a private network, select My Work Network.



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  > **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**.

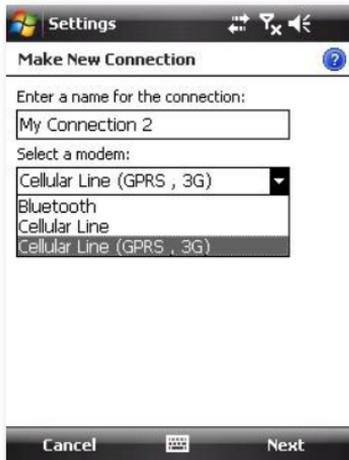


Connect to a private network

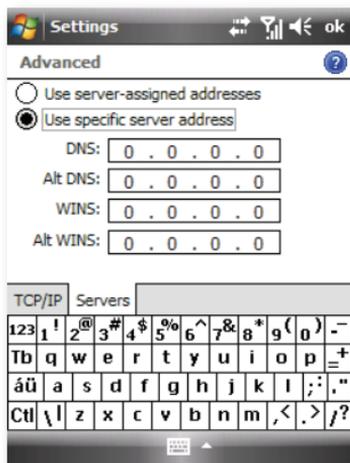
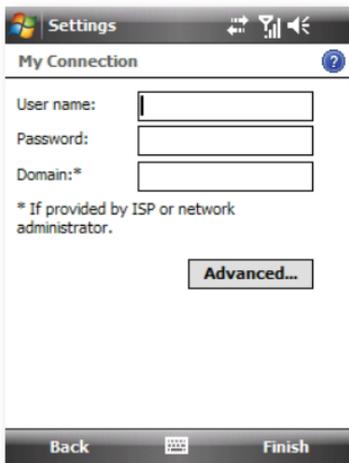
If it is a Virtual Private Network (VPN), refer to the section on VPN below. For other private networks, obtain the following information from your provider:

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  > **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)).



- 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.



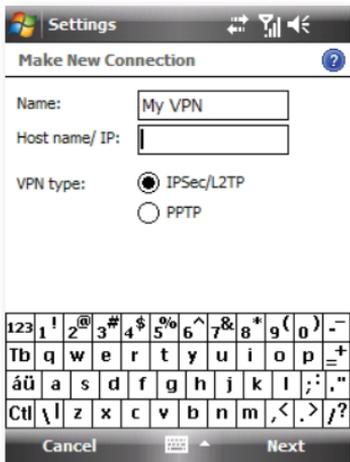
- “My Work Network” might have a different name, e.g. the name of your workplace, if you have chosen to customise it elsewhere.
- “Setup my proxy server”, located under My Work Network, changes to “Edit my proxy server” once proxy settings have been entered.

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  > **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 preshared key or select "A certificate on this phone".
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**.

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.

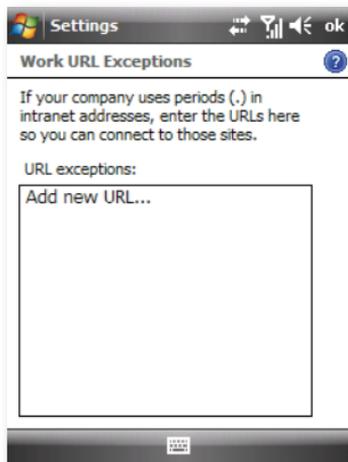
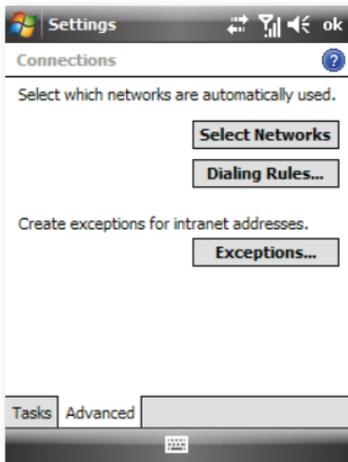
1. Tap  > **Settings > Connections.**
2. Tap **Connections > Advanced > Exceptions.**
3. Tap **Add new URL.**
4. In Work URL, enter the intranet URL.



NOTE:

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



10.2 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:

Tap  > **Settings** > **Connections tab** > **Beam**.

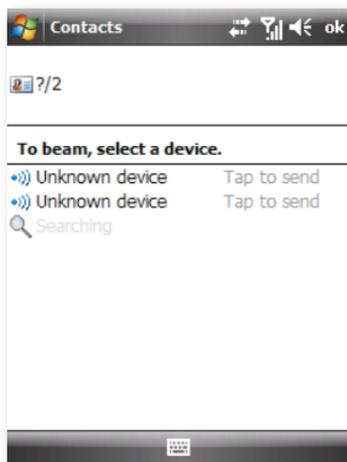
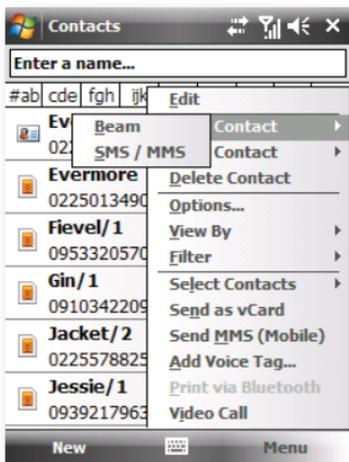


Beam an item

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

From the program, select the item you want to beam, such as:

1. An appointment in Calendar, a task in Tasks, a contact card in Contacts, or a Pictures & Videos. 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 appointment**.



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



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

10.3 Bluetooth

Your phone incorporates the Bluetooth capability. Bluetooth technology is a short-range wireless communications technology. Phones with Bluetooth capabilities can exchange information over a distance of about 10 meters (30 feet) without requiring a physical connection.

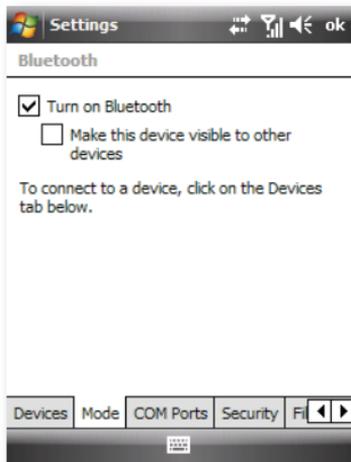


NOTE: Mobinnova Corp does not guarantee the product's compatibilities with the Bluetooth headsets/phones from all manufacturers.

Turning On and Off the Bluetooth Function

By default, the Bluetooth function is turned off.

1. Do one of the following:
 - Tap the Wireless Manager section on the Today screen.
 - Tap the connection icon on the Navigation bar and tap Wireless Manager.
2. To turn on the Bluetooth function, tap Bluetooth on the Wireless Manager screen.
3. To transfer files via the Bluetooth technology, Tap **Downward arrow button** and select **Bluetooth Settings > Mode**, select **Make this device visible to other devices** and tap **OK**.
4. To turn off the Bluetooth function, tap Bluetooth on the Wireless Manager screen.



NOTE:

- By default, the Bluetooth function is turned off. If you turn it on, and then turn off the phone, the Bluetooth function also turns off. When you turn on the phone again, the Bluetooth function turns on automatically.
- When you have finished using the Bluetooth function, complete the actions for turning it off. Leaving the Bluetooth function active will consume more power.

Sending Files via the Bluetooth Function

1. Turn on the Bluetooth function. (See "Turning On and Off the Bluetooth Function" previously in this chapter.)
2. From the program, tap and hold the item you want to beam, such as an appointment in Calendar, a task in Tasks, a contact card in Contacts, or a file in File Explorer.
3. Tap Beam [type of item] on the shortcut menu.
4. Your phone searches for other phones with Bluetooth capabilities within close range, and displays them in the list. Tap the phone to which you want to send the item.



CAUTION: Files are saved automatically before they are beamed. If a Word document or Excel workbook was created on a computer, unsupported content and formatting may be lost when the files are saved.

Creating a Bluetooth Partnership

A partnership is a relationship that you create between the phone and another phone with Bluetooth capabilities to help exchange information in a secure manner. Creating a partnership involves entering the same Bluetooth passcode on both phones. Once a partnership is created, the phones need only have the Bluetooth function turned on to exchange information; they do not need to be visible.

1. Make sure that the two phones are turned on, visible, and within close range. (For information on turning on the Bluetooth function on the phone, see "Turning On and Off the Bluetooth Function" previously in this chapter.)
2. Tap  > **Settings** > **Connections** > **Bluetooth** > **Devices** > **Add new device**.
3. Your phone searches for other phones with Bluetooth capabilities, and displays them in the list.
4. Tap the name of the other phone, and tap **Next**.
5. In Passcode, enter an alphanumeric passcode between 1 and 16 characters, and tap **Next**.
6. Enter the same passcode on the other phone.
7. To give the partnership a more meaningful name, change the name of the phone in Display Name.
8. Tap **Finish**.



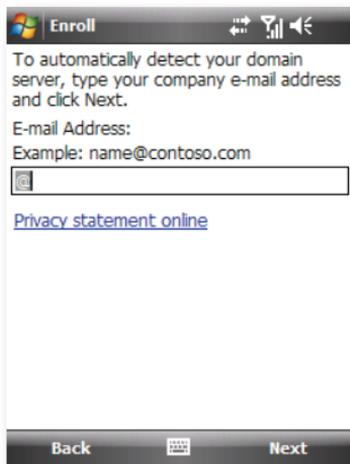
10.4 Domain Enroll

Enrolling in a domain will connect your phone with company resources. You will need the enrollment password provided by your system administrator.

To enroll this phone, tap **Enroll**.

Your administrator will control access to some phone features. Your phone may be restarted. Back up data before continuing.

To automatically detect your domain server, type your company e-mail address and tap **Next**.

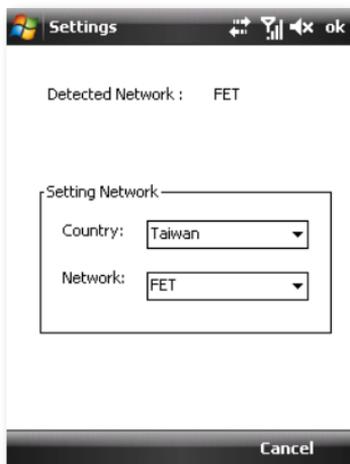


10.5 Network Config

The ICE Installation Type is a utility to configure your phone for GPRS and MMS connections. You simply have to select the country and the settings to automatically set all configurations.

To set the ICE Installation Type options

1. From the Home screen, tap  > **Settings** > **Connections** > **Network Config** tab.
2. Select the country and Network.
3. Press **ok**.



10.6 SMS Service

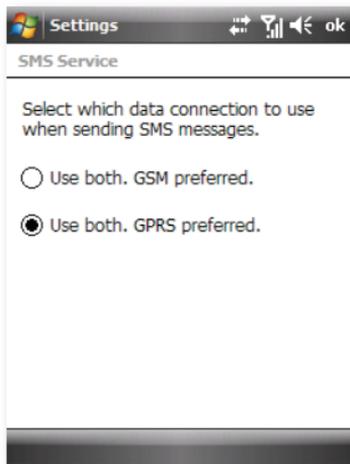
Enables sending of SMS text messages via a data connection, such as GPRS or a circuit-switched connection.

To choose which data connection to use when sending SMS messages, tap **SMS Service**.

If you usually send SMS messages in bulk, it is recommended to use GPRS.

You select one of following SMS service settings:

- Use both. GSM preferred.
- Use both. GPRS preferred.

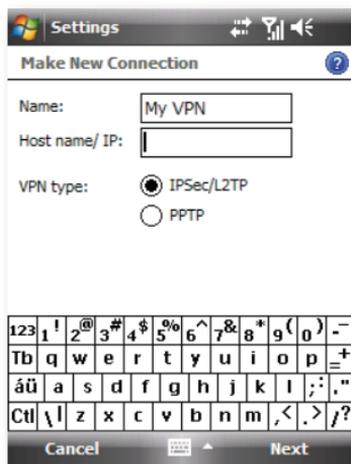


NOTE: SMS Service can only be used if your wireless service provider supports this service.

10.7 USB to computer

To help with problems connecting ActiveSync by clearing Enable advanced network functionality.

1. Make sure that the phone is not connected to another phone, and that you have installed proper GPRS settings.
2. Tap  > **Programs > Internet Sharing.**
3. In PC Connection, select USB.
4. In Network Connection, select your GPRS setting.
5. Tap the Connect soft key for the phone to connect to the Internet.
6. Connect the phone to the computer.
Now your computer connects to the Internet via the phone.
7. To end the connection, tap the Disconnect soft key on the phone.



10.8 Wi-Fi

Wi-Fi

With wireless access you do not need to use cables to connect your ICE to the Internet. Instead, WLAN access points transmit data to and from your phone. Your ICE can connect to an 802.11b/g WLAN or connect directly to other WLAN-enabled phones.

Tap  > **Settings** > **Connections** tab > **Wi-Fi** > **Add New**.

1. Note that your phone may say Network Cards instead of Wi-Fi.
2. Follow the wireless network setup wizard.



NOTE: To delete a connection, tap and hold the connection you want to remove, and tap Delete.

Change Wi-Fi settings

1. Tap  > **Settings** > **Connections** tab > **Wi-Fi** or **Network Cards**.



2. Scroll to the connection that has the settings that you want to change, tap **Menu**, and then tap **Edit**.
3. Change any of the following information:
 - In Network name, enter a name for the connection.
 - In Connects to, select The Internet or Work.
 - If the network is a hidden network, which means that it does not broadcast its Service Set Identifier (SSID), select This is a hidden network.
 - If you want to connect directly to another phone or computer, and not to a network through an access point, select This is a phone to phone (ad-hoc) connection.
4. Tap **Next**.
5. On the Configure Network Authentication screen, do the following:
 - Select the authentication and data encryption methods.
 - Enter the network key information or select the The key is automatically provided check box.
If it is necessary, ask the network administrator for authentication, encryption, and network key information.
6. Tap **Next**.
7. Select or clear the Use IEEE 802.1X network access control check box.
8. To use Extensible Authentication Protocol (EAP) or smart card authentication, make the selections appropriate to your choice of authentication.
9. Tap **Finish**.

Connect to the Internet by using a Wi-Fi connection

If the wireless carrier enables Wi-Fi on your phone, you can connect your phone to a wireless network to access the Internet when you are away from your computer.



NOTE: By default, Wi-Fi is turned off when you first start your phone, and it will be turned off automatically every time that you turn off your phone in order to minimize the drain on the battery. You must turn Wi-Fi on when you want to use it.

1. Tap , tap **Settings > Connections tab > Wireless LAN**.
2. Tap **Menu > Comm Manager**.
3. Below the phone icon, tap the **wireless** icon.
4. In the Networks Detected box, tap the network you prefer to connect to.



NOTE: To see all detected networks, click Show all networks. If you select a secure network, you may have to enter a network key that is provided by the network administrator.

10.9 Wireless Manager

Turn wireless power on or off

You can turn off the power to your wireless connections in a single location. This is a quick way to preserve battery power or to prepare your phone for an airplane flight.

1. Tap  > **Settings** > **Connections** tab.
2. Tap **Wireless Manager**.
3. Do one of the following:
 - Tap the button for a desired wireless connection type (such as Bluetooth or Phone) to turn it on or off. If it is turned off, the button is a lighter color and displays an icon marked with an X.
 - Tap All to turn all wireless power on or off (available only when more than one wireless type exists on your phone).



NOTE: To change settings for one of the displayed wireless connection types, tap Menu, then tap the type of settings you want to change.

End a connection

It can be useful to end a connection when you have finished using it. This frees resources on the phone and can save connection charges.

1. Tap  > **Settings** > **Connections** tab > **Wireless Manager**.
2. Tap the button for the connection you want to end, such as Bluetooth or Wi-Fi.

When the connection is ended, you see Off beneath the button.

10.10 WLAN Manager

Connection Setup

GPRS/EDGE Connection

Your phone can receive GPRS and EDGE, both high-speed data-only services that transmit data over a mobile phone network. In addition, GPRS and EDGE provide permanent on-line connection.

To use GPRS or EDGE, you must have a subscription to the function with a mobile phone operator that supports GPRS or EDGE.

The GPRS/EDGE connection settings for several mobile phone operators have been built into the phone. Simply select the proper connection setting for your service provider.

1. Tap  > **Network Tools > GPRS Settings.**
2. Select your country and service provider, and tap **Apply > ok.**

Starting and Ending a GPRS/EDGE Connection

To start the connection, simply use the desired program. For example, switch to Internet Explorer Mobile and browse to a web page. Your phone will automatically connect.

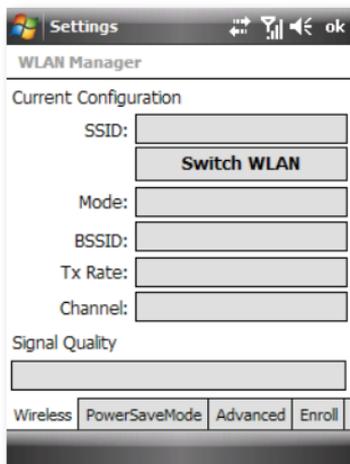
To end the connection, tap the connection icon on the Navigation bar and then tap **Wireless Manager > Menu soft key > Disconnect Cellular Data.**

Advanced Network

Turn on/off HSDPA/HSUPA, set the line type to use when making circuit switch data (CSD) connection, and set the GPRS authentication method. HSDPA/HSUPA is a 3.5G digital data service that provides high-speed downstream data rates. In order for your device to attain the high connection speed of HSDPA, your wireless service provider must support this feature and you must be within the coverage area of your service provider's HSDPA/HSUPA network. Your device supports up to 7.2 Mbps download speeds.

WLAN Manager screen

On the Home screen, slide to the **Settings** tab and then tap **Menu > WLAN Manager**. On the **Main** tab, you will see the WLAN Manager that your device is currently connected to. The configuration and signal quality of the WLAN Manager are also shown.



Launch WLAN Manager

Wireless screen show current settings and information related to wireless signal quality. The following fields are included:

1. Tap **Start > Settings > Connections > WLAN Manager**
2. SSID: a unique name to identify a network.
3. Mode: to indicate that the network is in the infrastructure mode or IBSS mode.
4. BSSID: a MAC address of an access point within a particular area.
5. Tx rate: transmission speed between an access point and a device.
6. Signal quality: represents the signal quality of a wireless network.

A-1 Regulatory Notices

A-2 Specifications

Appendix



A-1 Regulatory Notices

Agency identification numbers

For regulatory identification purposes, your ICE product is assigned a model number of PP5420

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

This product is intended to be charged only from an ICE PP5420 approved battery charger (rated 5V dc, 1A).

SAR Information

SAR Value: 0.501 W/kg @ 10g (CE)

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.

ICE PP5420 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)...KHarmonized 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)

CE0682!

A-2 Specifications

Operating System

- Microsoft Windows Mobile 6.1 Professional

Dimension

- Size: 114mm (H) x 53.5mm (W) x 13mm (T)
- Weight: 120g with battery pack

Processor/Chipset

- Qualcomm MSM7201A (App: ARM11 528Mbps)

Memory

- ROM: 256MB flash-ROM
- RAM: 128MB DDR SDRAM

Main-Screen

- Size: 3.0"
- Type: TFT transmissive LCD
- Resolution: 240 x 400, WQVGA
- Color: 262K
- Touch sensor: Resistive-type touch lens

Sub-Screen

- Size: 1.15"
- Type: OLED (PM-OLED)
- Resolution: 128 x 96
- Color: 262K
- Touch sensor: Resistive-type touch lens

Radio Band & Standard

- GSM/GPRS/EDGE/UMTS/HSDPA/HSUPA
- GSM bands: 850/900/1800/1900
- UMTS bands: 900/1900/2100 or 850/1900/2100
- GPRS: GPRS Class 10; CS 1 to 4 coding scheme
- EGPRS/EDGE: Multi-Slot Class 10
- UMTS: DL/UL 384Kbps
- HSPA: DL max. 7.2Mbps, UL max.2.0Mbps

Phone Services

- Speech with HR/FR/EFR/AMR codec
- Call hold/wait/forward/barring
- Call line identification (CLI)
- Multi-party conference call
- Packet Channel (PCCCH & PBCCH)
- DTMF tone generation
- Unstructured Supplementary Service Data (USSD)
- SMS class 0/1/2/3
- Cell Broadcast (CB)
- Video Telephony over CS
- Dual-Mode UMTS-FDD/GSM, UMTS/GSM handover
- Preferred network and band selection
- Emergency call
- SIM/USIM, 1.8/3.0V, PIN1/2, SIM tool kit, SIM lock
- Over the air (OTA) provisioning

Connectivity

- GPS/AGPS:
 - Standalone & Assisted
 - gpsOne XTRA
 - GSM Control Plane (CP) Release 5
 - WCDMA Control Plane (CP) Release 5
 - OMA SUPL 1.0 User Plane (UP)
- WiFi: 802.11b/g, 802.11e (QoS support), 802.11i (WPA2)
- Bluetooth:
 - 2.0 EDR
 - Class 2 transmit power
 - Profiles:
 - * Advanced Audio Distribution Profile (A2DP)
 - * Audio/Video Remote Control Profile (AVRCP)
 - * ActiveSync Profile
 - * Basic Image Profile (BIP)

- * Basic Printing Profile (BPP)
- * Dial-up Networking (DUN)
- * File Transfer Profile (FTP)
- * Generic Access Profile (GAP)
- * Generic Object Exchange Profile (GOEP)
- * Hands-Free Profile (HFP)
- * Headset Profile (HSP)
- * Human Interface Device Profile (HID)
- * Object Push Profile (OPP)
- * Personal Area Network Profile (PAN)
- * Serial Port Profile (SPP)
- * SIM Access Profile (SAP, SIM)
- * Phone Book Access Profile (PBAP)
- FM Radio: FM receiver with RDS/RBDS
- USB 2.0 High-Speed client
- TV-Out: CVBS + L/R-audio

Sensor

- Ambient Light Sensor
- Motion Gravity Sensor

Button & Switch

- Power button, Mute (Vibrator on/off), Reset switch
- Side buttons: Volume-control/Zoom-in-out, Camera/OLED-on
- Send, End with LED backlight

Stylus

- 80 mm fully extended, retractable to 56 mm

Notification

- OLED & LCD indicates power, communication, and event notification
- Events notified by vibration, sound, and message (WM default)

Audio

- Built-in omni-direction microphone, receiver, and speaker
- Mini-USB type stereo headset with microphone and phone control

key

- Advanced Echo Cancellation for phone
- Voice: AMR-NB, GSM FR/HR/EFR, EVRC, QCELP, G.711
- Ring-tone/Playback: AMR, AAC/AAC+/EAAC+, ASF, MIDI (72-chord), MP3, WAV, WMA
- Sampling rate: 16-bit stereo conversion at 8/11/22/44 KHz

Video

- Video playback: H.263, H.264, MPEG4, WMV, ASF

Picture

- Still image: JPEG, GIF, BMP, PNG, WBMP, Animated GIF

Camera

- Primary: CMOS 3M Auto-focus
- Secondary: CMOS 300K fixed-focus

Interface

- 10-pin mini-USB connector with data sync, power charging, TV-out, phone jack features
- MicroSD card slot, MicroSDHC support
- SIM card slot

Power

- Battery:
 - Swappable, rechargeable Li-Polymer 1140mAh
 - Standby time: 200 hours
 - Talk time: 250 minutes
 - Full charged time: 4 hours
- AC adapter:
 - AC input voltage: 100~240 Vac, 50/60Hz
 - AC input current: 0.2 Aac max.
 - DC output voltage: 5 Vdc (typical)
 - DC output current: 1A (typical)

Software

- Windows Mobile 6.1 Professional
 - Outlook Mobile

- Office Mobile
- Picture & Video Viewer
- Windows Mobile Media Player
- Internet Explorer Mobile
- Windows Live & Messenger
- ActiveSync client with Windows Push Mail
- Remote Desktop Mobile
- File Explorer
- Calculator
- Voice Note
- SIM Tool Kit
- Task Manager
- NITZ (Network Identity and Time Zone)
- Internet Sharing
- In-house add-on software:
 - Home Screen (mobiToday)
 - Camera capture application (mobiCamera)
 - Control Center
 - FM Radio Player
 - mobiGPS
 - World Time
 - World Weather

Accessory

- Inbox:
 - AC adapter
 - USB data sync cable
 - Stereo headset with microphone
 - Stylus (with phone)
 - Standard battery (with phone)
 - Microsoft Companion CD with User's Manual
 - Quick Start Guide
 - Carry pouch

- Optional accessories:
 - Car charger
 - Car holder
 - Bluetooth headset (mono- & stereo-)
 - Extended battery
 - TV-out cable

Environmental Condition

- Operating temperature: -10 ~ 50°C. Humidity : 90% RH
- Storage temperature: -20 ~ 75°C. Humidity : 90% RH

Regulatory

- Certificate: CE, Bluetooth, WiFi, Windows Mobile Logo
- Safety: CB