

## 3.9 Securing Your Pocket PC Phone

You can customize the level of security you want to have on your Pocket PC Phone by locking the keypad, the entire device, or the **SIM** card.

### Locking the keypad

The keypad lock turns off the keypad functionality. This is a helpful feature if, for example, your Pocket PC Phone is turned off and in your pocket, and you want to prevent accidental keypress.

1. Tap the **Start** menu > **Settings** > **System** tab > **Button Lock**.
2. Select **Lock all buttons except Power button**.
3. To unlock your keypad, tap **Do not lock buttons**.

### Locking your Pocket PC Phone

Locking your Pocket PC Phone prevents access to personal data. When you enable this feature, your Pocket PC Phone will automatically lock after a specified time of inactivity. A screen will be displayed requiring your Pocket PC Phone "lock password" to be entered before access is granted.

1. Tap the **Start** menu > **Settings** > **Personal** > **Password**.
2. To enable this function, select how long your mobile device must be turned off before the password is required for using the device, by tapping **Prompt if device unused for**.
3. Select the type of password you would like to use: **Simple 4 digit** or **Strong alphanumeric**. A strong password must have at least **7 characters** that are a combination of uppercase and lowercase letters, numerals, and punctuation.
4. Enter the password, and if necessary, confirm the password.

**NOTE:** To unlock your Pocket PC Phone, uncheck **Prompt if device unused for**.

## Locking the SIM card

You can protect your Pocket PC Phone from unauthorized use by assigning a **PIN** (Personal Identification Number). Your first **PIN** is assigned by your operator.

1. On the **Pocket PC Phone** keypad, tap **Tools > Options > Phone** tab.
2. Select **Require PIN when phone is used**.
3. To change the **PIN** at any time, tap **Change PIN**.

# Chapter 4

## Synchronizing Information

**4.1 Using ActiveSync**

**4.2 Synchronizing Information**

**4.3 Infrared and Bluetooth Connection**

**4.4 ActiveSync Errors**



## 4.1 Using ActiveSync

With **ActiveSync** on both your PC and your Pocket PC Phone, you can exchange information between a PC or server and your Pocket PC Phone. This process is called "synchronization." To synchronize your Pocket PC Phone with your PC, you must install **ActiveSync** on the PC. Using **ActiveSync**, you can:

- Synchronize information between your Pocket PC Phone and PC or server so that you have the latest information in all locations.
- Change synchronization settings and synchronization schedule.
- Copy files between your Pocket PC Phone and PC.
- Back up and restore information saved on your Pocket PC Phone.
- Add and remove programs on your Pocket PC Phone.

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 synchronize information between your mobile device and a server if your company is running **Microsoft Exchange Server** with **Exchange ActiveSync**.

### Installing ActiveSync

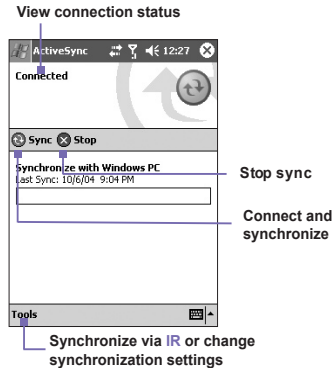
Before you begin synchronization, install **ActiveSync** on your PC from the **Application CD**. **ActiveSync** is already installed on your Pocket PC Phone.

Once **ActiveSync** is installed on your PC, you will be prompted to connect and create a partnership with your Pocket PC Phone by using a cable, cradle, infrared, or Bluetooth connection.

## Connecting to a PC via a cable or cradle

Please see the **Quick Start Guide** for information about **ActiveSync** installation.

1. Connect your Pocket PC Phone and PC via a cable or cradle to start synchronization.
2. Your first synchronization will automatically begin when you finish the installation wizard. After the first synchronization, you will notice that your **Outlook** information now appears on your Pocket PC Phone.
3. To disconnect, remove your Pocket PC Phone from the cradle or detach it from the cable.



## Connecting to a PC by Infrared

You can use an infrared connection to create a direct connection between your Pocket PC Phone and another IR-enabled mobile device or PC quickly. This method is ideal for quickly switching between multiple devices since there are no cables or adapters to change. When creating a partnership, you must connect using infrared, a cable, or a cradle connection.

1. Set up an infrared connection. (Install and configure an infrared port on your PC according to the manufacturer's instructions).
2. Switch to the infrared port on your desktop computer: On the **File** menu of the **ActiveSync** on your PC, click **Connection Settings**. In the **Allow serial cable or infrared connection to this COM port** list, select **Infrared Port (IR)**.
3. Align the infrared ports on your PC and your Pocket PC Phone so that they are unobstructed and within close range.
4. On your Pocket PC Phone, tap the **Start** menu > **ActiveSync** > **Tools** > **Connect via IR**.

## 4.2 Synchronizing Information

This section provides an overview of the types of **Outlook** information you can synchronize. By default, **ActiveSync** does not automatically synchronize all types of **Outlook** information. Use **ActiveSync** options on your PC to turn synchronization on and off for specific information types.

### Synchronizing Outlook E-mail

After selecting **Inbox** for synchronization in **ActiveSync**, **Outlook** E-mail messages are synchronized as part of the general synchronization process. During synchronization:

- Messages are copied from the **Inbox** folder on your PC or the Microsoft Exchange server to the **Inbox** folder of the **Outlook** E-mail account on your device. You can only synchronize information directly with an Exchange Server if your company is running Microsoft Mobile Information Server 2002 or later. By default, you'll receive messages from the last three days only, the first 100 lines of each new message, and file attachments of less than 100KB in size.
- Messages in the **Outbox** folder on your device are transferred to Exchange or **Outlook** and then sent from those programs.
- The messages on the two computers are linked. When you delete a message on your device, it's deleted from your PC the next time you synchronize.
- Messages in subfolders in other E-mail folders in **Outlook** are synchronized only if they have been selected for synchronization in **ActiveSync**.

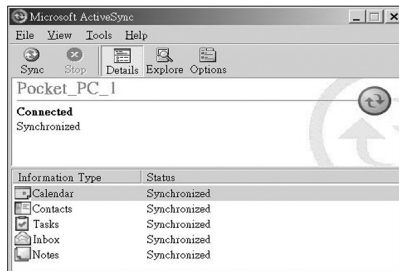
For information on initiating **Outlook** E-mail synchronization or changing synchronization settings, see **ActiveSync Help** on the PC or **Connections Help**. Text messages (SMS) and Media messages (MMS) are not received through synchronization. Instead, they are sent to your device via your service provider.

## Synchronizing Calendar

- **Calendar** items stored on your Pocket PC Phone can be synchronized with calendar items on your PC or Microsoft Exchange Server. You can only synchronize information directly with an Exchange Server if your company is running Microsoft Mobile Information Server 2002 or later. **Calendar** synchronization is automatically selected in **ActiveSync**.
- **Calendar** items entered on one computer are copied to the other during synchronization. Handwritten notes and drawings are saved as metafiles (pictures).

## Synchronizing Contacts

- **Contacts** stored on your Pocket PC Phone can be synchronized with **Outlook** contacts stored on your PC or with Mobile Information Server 2002 or later.
- New items entered in one location are copied to the other during synchronization. Handwritten notes and drawings are saved as pictures when synchronizing with your PC, but are removed when synchronizing with a server. For more information on synchronization, see **ActiveSync Help** on the PC.



## Synchronizing Tasks

- **Tasks** stored on your device can be synchronized with **Outlook** on your PC. Task synchronization is automatically selected in **ActiveSync**.
- New items entered on one computer are copied to the other during synchronization. Handwritten notes and drawings are saved as metafiles (pictures). For more information on synchronization, see **ActiveSync Help** on the PC.

## Synchronizing Notes

**Notes** can be synchronized between your PC and Pocket PC Phone either through notes synchronization or file synchronization. **Notes** synchronization synchronizes the notes on your Pocket PC Phone with **Outlook Notes** on your PC. File synchronization synchronizes all notes on your Pocket PC Phone with the **My Documents** folder on your PC.

To synchronize your notes through notes synchronization, first select the **Notes** information type for synchronization in **ActiveSync**. The next time you synchronize, all notes in **My Documents** and its subfolder on your device will appear in **Outlook Notes** on your PC. **Notes** that contain only text will appear as regular notes in **Outlook** on your PC, while notes containing written text or drawings will appear in the device format. In addition, all notes in the **Notes** group in **Outlook** on the PC will appear in **Notes** on the device.

To synchronize your notes as files, in **ActiveSync**, select the **Files** information type for synchronization and clear the **Notes** information type. When you select **Files**, the **My Documents** folder is created on your PC's desktop. All .pwi files placed in the **My Documents** folder on your device and all .doc files placed in the \My Documents folder on your PC will be synchronized. Password-protected files cannot be synchronized. **ActiveSync** converts documents during synchronization. For more information on synchronization or file conversion, see **ActiveSync Help** on the PC.

**NOTE:** When you delete or change an item on either your PC or device, the item is changed or deleted in the other location the next time you synchronize.

If you synchronize your notes using file synchronization and then later decide to use notes synchronization, all of your notes will be synchronized with **Outlook** on your PC and will no longer be stored in the **My Documents** folder.



## 4.3 Infrared and Bluetooth Connection

### Infrared

You can use infrared (**IR**) to send and receive information and files between mobile devices. If an **IR** port is installed on your PC, you can send and receive information and files between your Pocket PC Phone and PC. On your Pocket PC Phone, tap the **Start** menu > **Settings** > the **Connections** tab > **Beam**.

By default your device detects incoming infrared (**IR**) and **Bluetooth** beams and prompts you to accept them. If you do not want your Pocket PC Phone to detect or receive beams, clear the **Receive all incoming beams** check box.

NOTE: If someone attempts to send you an IR beam from an older device, you may not be prompted to accept it. In this case, before the beam is sent from the other device, tap **Receive an infrared beam** at the bottom of the **Beam** screen.

### Bluetooth

1. Make sure that your Pocket PC Phone is configured to receive incoming beams.
2. Make sure that your Pocket PC Phone is turned on, discoverable, and within 10 metres (about 30 feet) of the other device beaming the information.
3. When prompted to receive an incoming beam, tap **Yes** to accept the beam.

For more information about **Bluetooth** and its settings, please see Chapter 6.

## 4.4 ActiveSync Errors

Whenever **ActiveSync** cannot successfully synchronize your information, it displays an error on your Pocket PC Phone.

### Viewing error information

Press the **Action** button when the error text is displayed. **ActiveSync** will then display more information about the error that occurred.

Some types of errors can interfere with automatic synchronization. If you suspect that a scheduled automatic synchronization has not occurred, you should attempt to manually synchronize your information. Successfully completing manual synchronization will reset automatic synchronization. For more information, see the ***Synchronizing Information*** section of **ActiveSync Help** on your PC.

# Chapter 5

## Personalizing Your Pocket PC Phone









**5.1 Device Settings**  
**5.2 Phone Settings**
















## 5.1 Device Settings



You can adjust the device settings to suit the way you work. To see available options, tap the **Start** menu > **Settings** > the **Personal** tab or **System** tab located at the bottom of the screen.

### The Personal tab

Icon	Program
	<b>Button</b> Assigns an application program to a hardware button.
	<b>Input</b> Sets up the input portion of your device.
	<b>Menus</b> Customizes the menu appearance and enables a pop up menu from the New button.
	<b>Owner Information</b> Displays your contact information.
	<b>Password</b> Limits access to your device.
	<b>Phone</b> Sets up the phone function of your wireless feature.
	<b>Sounds &amp; Notifications</b> Sets the notification type, event and volume.
	<b>Today</b> Customizes the look and the information that appears on the Today screen.

## The System tab

Icon	Program
	<b>About</b> Displays important device information.
	<b>Add Ring Tone</b> To listen to and select new ring tones.
	<b>Backlight</b> Customizes the backlight and brightness for power saving purposes.
	<b>Button Lock</b> Enables you to lock the buttons on your device except Power button when device is off.
	<b>Certificates</b> Displays the name of the certificate issuer and the expiration date.
	<b>Clock &amp; Alarms</b> Changes the time and sets alarms.
	<b>Device information</b> Find information about version, hardware, identity, and call duration.
	<b>Keyboard</b> Allows you to customize the keyboard settings, e.g., to switch on/off the keyboard backlight when a time limit is reached.
	<b>Memory</b> Displays the memory allocation status and current running programs.
	<b>Microphone AGC</b> Adjusts the volume automatically when you are recording.
	<b>Permanent Save</b> Saves contacts to permanent flash memory.
	<b>Power</b> Maximizes battery life.
	<b>Regional Settings</b> Customizes the region and relative format for the region you use.

Icon	Program
	<b>Remove Programs</b> Creates more memory by removing programs.
	<b>Screen</b> Re-calibrates the screen and enables/disables Clear Type feature.

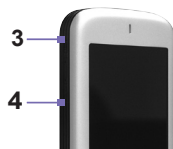
## Buttons

To customize the program hardware buttons to open your most frequently-used programs:

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Buttons** > the **Program Buttons** tab.
2. Under **Select a button**, tap the button you want to assign a program, and then select a program from **Assign a program**.

### Default settings:

- 1 - Contacts
- 2 - Calendar
- 3 - Camera
- 4 - Record




In the **Up/Down Control** tab, **Delay before first repeat** changes the time elapsed before scrolling begins. **Repeat rate** changes the time it takes to scroll from one item to the next. Press and hold the Up/Down control to scroll through the items in a list to adjust.

## Input

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Input**.
2. On the **Input Method** tab, select an input method and change desired options. On the **Word Completion** tab, select the desired settings for word completion. On the **Options** tab, select the desired options for writing and recording. These options apply to any program on the

device where you can record or write. These options do not apply to text you enter using the input panel.

You can also change input options by tapping the  arrow and **Options**.

## **Menus**

Only **7** programs are allowed in the **Start Menu**. To add the programs you use most often to the Start menu:

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Menus**.
2. Select the programs you want, then tap **OK**.
3. On the **New Menu** tab, you can select **Turn on New button menu** and then select the items to appear on the menu. When you do this, an arrow appears next to **New** in the command bar of certain programs such as **Pocket Word**, **Pocket Excel**, **Contacts**, **Calendar** and **Tasks**. You can tap this arrow and then tap a new item to create.

You can create subfolders and shortcuts to appear under the Start menu. In **ActiveSync** on your PC, click **Explore > My Pocket PC Phone > Windows > Start Menu**.

## **Owner Information**

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

On the **Notes** tab, enter any additional text you want to display when the device is turned on, such as: "Reward if found."

On the **Options** tab, select Identification Information so that if you lose your device, it can be returned to you.

## **Password**

A strong password must have at least **7 characters** that are a combination of uppercase and lowercase letters, numerals, and punctuation.

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Password**.

2. To enable this function, select how long your mobile device must be turned off before the password is required for using the device by tapping **Prompt if device unused for**.
3. Select the type of password you would like to use: **Simple 4 digit** or **Strong alphanumeric**.
4. Enter the password and, if necessary, confirm the password.
  - If your device is configured to connect to a network, use a strong password to help protect network security.
  - If you forget your password, you must clear the memory before you can access your device. This will erase all files and data you have created and programs you have installed. For more information about clearing memory, please see Appendix A.
  - If you've used **ActiveSync** to create a backup file, all of your program data can be restored. For more information on creating a backup file, also see Appendix A.



## Sounds and Notifications

Turning off sounds and the notification light helps conserve battery power. To change the ring type and volume:

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Sounds & Notifications**.
2. On the **Sounds** tab, you can select the desired actions.
3. On the **Notifications** tab, you can customize how you are notified about different events. Select the event name and then select the type of reminder. You can select a special sound, a message, or a flashing light.



## Today

### Changing the background:

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Today**.

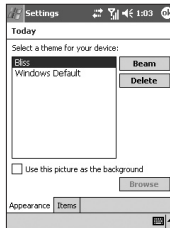


2. On the **Appearance** tab, select the desired theme for the background. To use your own background, select **Use this picture as the background** then tap **Browse** to locate the desired file.
3. Choose a folder and tap the file you want, then tap **OK**.

**NOTE:** The recommend picture size for the background is 240x320 pixels in **jpeg** file format. To beam a favorite theme to a friend, select the desired theme, and tap **Beam** on the **Appearance** tab

## Customizing the displayed information:

1. Tap the **Start** menu > **Settings** > the **Personal** tab > **Today** > the **Items** tab.
2. Select the information you want displayed on the **Today** screen.
3. To customize the information further, select an information type, and then tap **Options** (not available for all information types).



## About

The **Version** tab displays important device information, including the amount of memory installed. On the **Device ID** tab, you may need to change the device name if you are unable to connect to a network because another device with the same name is already connected.

## Backlight

Using the backlight on battery power substantially reduces battery life. Tap the **Start** menu > **Settings** > the **System** tab > **Backlight**.

- Tap the **Battery power** tab to turn ON/OFF the backlight when using battery power.
- Tap the **External power** tab to turn ON/OFF the backlight when using external power.
- Tap the **Brightness** tab to adjust the brightness level.

## Clock & Alarms

Tap the **Start** menu > **Settings** > the **System** tab > **Clock & Alarms**.

- If you visit a particular time zone often, select it as your **Visiting** time zone on the **Time** tab so that you can quickly see the correct date and time.
- You can use your device as a travel alarm clock by setting a wake-up alarm on the **Alarms** tab. Tap the alarm icon to select the type of alarm you want.
- To change the way the date or time is displayed on your Pocket PC Phone, go to **Regional Settings** by tapping the **Start** menu > **Settings** > the **System** tab > **Regional Settings**.

## Memory

You may need to stop a program if it becomes unstable or the program memory is low. Tap the **Start** menu > **Settings** > the **System** tab > **Memory**.

- The **Main** tab displays the amount of memory the system has allocated to file and data storage versus program storage. This tab also displays the amount of memory in use versus the available memory. For information about making memory available, see Appendix A.

- The **Storage Card** tab displays how much memory is available on the storage card that is inserted into your device. If you have more than one card inserted, tap the list box and then the name of the storage card whose information you want to view.
- The **Running Programs** tab displays the list of currently active programs. You can stop a program by selecting it in the list and then tapping **Stop** or just tap **Stop All** to stop all the running programs.

You may need to stop a program if it becomes unstable or the program memory is low.

## Power

Tap the **Start** menu > **Settings** > the **System** tab > **Power**.

- The **Battery** tab displays the amount of battery power remaining. Battery power depends on the battery type and how the device is being used.
- On the **Advanced** tab, you can select options for turning off your device to conserve battery power. To conserve the most power, select the option that turns off the device after **3** minutes or less.

## Permanent Save

You can choose to back up **Contacts** and **Appointments, Tasks, and Connection Setting** to non-volatile memory. Backing them up in this way means they will not be lost in the event your device loses all power and you have to perform a full reset.

### To back up to FlashROM:

1. Tap the **Start** menu > **Settings** > the **System** tab > **Permanent Save**.
2. Select the desired item by checking the boxes. Tap **OK**.

When you elect to back up **Contacts** and **Appointments**, your Pocket PC Phone will automatically back up newly added contacts, appointments or tasks items. This will not happen for connection settings if you add new connections you will need to back it up manually.

## To restore to FlashROM:

1. Tap the **Start** menu > **Settings** > **System** tab > **Permanent Save**.
2. Select the desired item by checking the boxes > **OK**.

## 5.2 Phone Settings

You can easily view and change 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. There are two ways to change phone settings:

- Tap the **Start** menu > **Settings** > the **Personal** tab > **Phone**.
- To change the phone settings from the Phone keypad, tap **Tools** > **Options**.

### Ring type

You can change the way that you are notified of incoming calls. For example, you can choose to be notified by a ring, a vibration, or a combination of both. Tap the **Ring type** list, and select the desired option.

### Ring tone

Tap the **Ring tone** list, then select the sound you want to use.

- To set **.wav** or **.mid** files as ring tones, use **ActiveSync** on your PC to copy the file to the **\\Windows\Rings** folder on your device. Select the sound from the **Ring tone** list.
- To download ring tones, you can make a connection to the **Internet** and then download ring tones that are compatible with the **.wav** or **.mid** formats.



## Add ring tone

**Add Ring Tone** allows you to quickly find and display all the ring tones stored on your device, gives you the option to listen, add, or remove them from the **Phone Settings** list mentioned above.

1. To display all ring tones on your device, you can tap the **Start** menu > **Settings** > **System** > **Add Ring Tone**. The program will automatically list and display all the **.wav** and **.mid** files on your Pocket PC Phone.
2. After the ring tones have loaded, you can see that some are already selected. These ones are presently listed in the phone settings.
3. To play a ring tone, select one by tapping it, and then tap play. If you don't like the ring tone, deselect it. This will add/remove the selected/deselected ring tones from the list in your phone settings.

## Keypad tone

You can change the tone you hear when entering a phone number on the keypad. If set to **Tones**, the tone is heard continuously for as long as the number on the keypad is pressed. If set to **Beep**, the tone is heard only for one or two seconds.

1. Tap the **Keypad** list, then select the option you want.
2. To prevent tones from being heard when entering a phone number, select **Off**.

## Network

With network settings, you can view available networks, determine the order in which your Pocket PC 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.

- The network currently in use will be listed at the top of the screen.
- When your current network is unavailable, tap **Select Network** to select an alternate.

## Services

The **Services** tabs are primarily used to set options for incoming calls, such as **Call Forwarding**, **Call Waiting**, and **Caller ID**. To change service settings from the phone dial screen, tap **Tools > Options > the Services tab > select a service > Get Settings**.

Feature	Function
<b>Call Barring</b>	Blocks incoming and/or outgoing calls.
<b>Caller ID</b>	Identifies caller by displaying their name and/or phone number.
<b>Call Forwarding</b>	Forwards all or selected incoming calls to a different number.
<b>Call Waiting</b>	Notifies of an incoming call while you are on the phone.
<b>Voice Mail/SMS</b>	Shows the correct numbers in the phone settings.

## More

On the **More** tab, you can access the settings for **Automatic Pickup**, and **Broadcast Channels**.

You can choose to receive real time news and information such as traffic and weather reports by enabling the **Broadcast Channels**. This service is dependent on your mobile service operator.

# Chapter 6

## Getting Connected

- 6.1 About Connections
- 6.2 Connecting to the Internet
- 6.3 CSD Line Type
- 6.4 Pocket Internet Explorer
- 6.5 Network Cards Settings
- 6.5 Terminal Services Client
- 6.7 Bluetooth
- 6.8 Wireless Modem

## 6.1 About Connections

This device is equipped with powerful networking functions that allow you to connect to the Internet through a GPRS network or a Bluetooth modem. You can also use an external modem with this device to access the Internet.

You can set up connections to the Internet and to a corporate network at work to browse the Internet, send and receive E-mail, use instant messages, and synchronize with **ActiveSync**.

Your Pocket PC Phone has two groups of connection settings: **My ISP** and **My Work Network**. **My ISP** settings are used to connect to the Internet, and **My Work Network** settings can be used to connect to any private network, such as a corporate network. Fill in the settings and you are ready to connect to the Internet.




## 6.2 Connecting to the Internet

You can use **My ISP** settings to connect to the Internet and use different connection methods to send and receive E-mail messages and surf the Internet.



## Connect to the Internet via an ISP:

1. Obtain the following information from your ISP (Internet Service Provider):
  - **ISP server phone number.**
  - **User name.**
  - **Password.**
  - **Access point name.** (Required for **GPRS** connection).
2. Tap the **Start** menu > **Settings** > the **Connections** tab > **Connections**.
3. To create a new connection in **My ISP**, tap **Add a new modem connection**, and follow the instructions in the **Make New Connection** wizard.
4. Wireless connections can be made via a mobile phone network or **GPRS**. If you are using a mobile phone network to connect, tap **Cellular Line** in the **Select a modem list**. If you are using **GPRS**, tap **Cellular Line (GPRS)**.
  - To view additional information for any screen, tap .
  - To start the connection, switch to **Pocket Internet Explorer** and browse to a **Web** page. Your device will automatically connect.

To change modem connection settings, in either **My ISP** or **My Work Network**, tap **Manage existing connections**. Select the desired modem connection, tap **Settings**, and follow the instructions on the screen.

## Connecting to a private network

1. Obtain the following information from your network administrator:
  - **Server phone number.**
  - **User name.**
  - **Password.**
2. Tap the **Start** menu > **Setting** > the **Connections** tab > **Connections**.
3. In **My Work Network**, follow the instructions for each type of connection.
4. To start the connection, start using a related program. For example, switch to **Pocket Internet Explorer** and browse to a **Web** page. Your device will automatically connect.

## 6.3 CSD Line Type

This program allows you to choose the line type when you make a circuit switch data connection.

### To change a CSD Line type:

1. Tap the **Start** menu > **Settings** > **Connections** > **CSD Line Type**.
2. In **Data rate**, select a value. In **Connection element**, choose a type from that drop-down menu. Tap **OK**.

**NOTE:** The default setting on your Pocket PC Phone is set for the most optimal use. Do not change this setting unless you have trouble using the circuit switch data connection.

## GPRS Settings

This program allow you to choose the GPRS setting method when you make a GPRS connection. Choose between these two required authentication methods:

- **PAP authentication: Password Authentication Protocol** is a simple authentication protocol used to authenticate a user to a remote access server of an ISP (Internet Service Provider).
- **CHAP authentication: Challenge Handshake Authentication Protocol** is used to negotiate the most secure form of encrypted authentication supported by both server and client.






**NOTE:** Changing these settings may cause your data communications to no longer operate. Please consult your service provider before altering these settings.

## 6.4 Pocket Internet Explorer

Once connected, you can use **Pocket Internet Explorer** to surf the Internet. While surfing, you can also download files and programs to be installed on your device from the Internet or intranet. During synchronization with your PC, download your favorite links and mobile favorites that are stored in the **Mobile Favorites** folder in **Internet Explorer** on the PC. To synchronize and download your favorite links from your PC, in your PC's **ActiveSync**, select, **Favorites** in the **Tools Menu > Options > Sync Options**.

### Browsing the Internet

Open the **Pocket Internet Explorer** screen by tapping the **Start menu > Internet Explorer**.

1. In the address bar that appears at the top of the screen, enter the Web address you want to connect to. Tap the down arrow to choose from previously entered addresses.
2. Tap  to go to the web address you entered.
3. Tap  to go back to the previous page.
4. Tap  to refresh the web page on the screen.
5. Tap  to go back to the **Home page**.
6. Tap  (the **Favorites** button), then tap the favorite address you want to view. To add a favorite link while using your Pocket PC Phone, go to the page you want to add, tap and hold on the page, and tap **Add to Favorites** on the pop-up menu.



## 6.5 Network Cards Settings

Use a network (Ethernet) card to connect directly to a network. Once connected, you can view the Internet or intranet, or download e-mail. Make sure to purchase and configure a network card that is compatible with your Pocket PC Phone.

### To setup your network card:

1. Insert the network card into your Pocket PC Phone.
2. The first time you insert the card. Network Settings will appear automatically. Or to change later, tap the **Start** menu > **Setting** > the **Connections** tab > **Network Cards**.
3. To enter specific server information, tap the appropriate adapter.

To start a connection, insert the network card, and begin using a desired program.

### To change network card settings:

1. Tap the **Start** menu > **Setting** > the **Connections** tab > **Network Cards**.
2. In the **My network card connects to:** drop-down box, tap either **The Internet** or **Work**. If you are connecting to your **ISP** at home, tap **The Internet**. If you are connecting to a private network such as a corporate network at work, tap **Work**.
3. Tap the appropriate adapter in the **Tap an adapter to modify settings:** box, the IP address will now appear in the **IP Address** box on the **IP Address** tab.
4. To change **TCP/IP** settings if your ISP or private network does not use dynamically-assigned IP addresses, tap **Use specific IP address** and enter the requested information. Contact your ISP or network administrator to get the IP address, subnet mask, and/or default gateway (if needed).
5. To change **DNS** and **WINS** settings if your ISP or private network does not use dynamically-assigned IP addresses, tap the **Name Servers** tab and enter the requested information. Servers that require an assigned IP address may also require a way to map computer names to IP address. **DNS** and **WINS** are the resolution options supported on your Pocket PC Phone.

## 6.6 Terminal Services Client

Using the **Terminal Services Client**, you can log onto a PC running **Terminal Services** or **Remote Desktop** and use all of the programs available on that PC from your mobile device. For example, instead of running **Pocket Word**, you can run the PC version of **Word** and access all of the **.doc** files on that PC from your Pocket PC Phone.

### Connecting to a Terminal Server

Start a remote connection to the server via a **GPRS** or **Wireless LAN** connection:

1. Tap the **Start** menu > **Programs** > **Terminal Services Client**.
2. To connect to a server you have previously connected to, in **Recent Servers**, tap a server. To connect to a new server, enter the server's name in the **Server** box. Select the **Limit size of server desktop to fit on this screen** check box only when using applications that have been specifically sized for use with the Pocket PC Phone.
3. Tap **Connect**.

**NOTE:** If the network administrator has configured **Terminal Services Client** to reconnect to disconnected sessions, and you previously disconnected from a **Terminal Server** without ending the session, the **Terminal Services Client** reconnects to that session.

### Navigating within Terminal Services Client

Once connected to the server, the PC's screen may more than fill your mobile device's screen. If scroll bars are displayed on the server's screen, you will see more than one set of scroll bars on your Pocket PC Phone: one to scroll information on the PC, and one to scroll the PC display through the **Terminal Services** window in **Terminal Services Client**.

To ensure you are scrolling the PC display through **Terminal Services Client**, use the five directional buttons at the bottom of the **Terminal Services Client** screen. To better fit

information on your mobile device's screen, select **Limit size of server desktop to fit on this screen**. For best effect, programs on the desktop computer should be maximized.

## Disconnecting without ending a session

The following commands must be accessed from the **Start** menu in the **Terminal Services** window used to access the PC's commands. Do not use the **Start** menu on your Pocket PC Phone.

1. In the **Terminal Services** window, tap **Start > Shutdown**.
2. Tap **Disconnect**.

If your administrator has configured **Terminal Services Client** to reconnect to disconnected sessions, you will be reconnected to this session the next time you connect to this server.

## Disconnecting and ending a session:

1. In the **Terminal Services Client** window, tap **Start > Shutdown**.
2. Tap **Log Off**.

## 6.7 Bluetooth

**Bluetooth** is a short-range wireless communications technology. Devices with **Bluetooth** capabilities can exchange information over a distance of about **10 metres** without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information with **Bluetooth**. The devices only need to be within a range of about **10 metres**. You can even beam information to a device in a different room, as long as it's within range. The software included with your Pocket PC Phone allows you to use **Bluetooth** in the following ways :

- **Beam information**, such as files, appointments, tasks, and contact cards, between devices that have **Bluetooth** capabilities. For example, if you and a co-worker each have a device with **Bluetooth**, you can beam items between your devices, such as files, contact cards, appointments, tasks, and so forth.
- **Create a dial-up modem connection** between your device and a **Bluetooth** phone. You can then use the **Bluetooth** phone as a modem.

To access to the **Bluetooth** settings screen :

1. To turn on/off the **Bluetooth** mode and create a new bond with other device, tap **Start** menu > **Settings** > **Connections** tab > **Bluetooth**. Alternatively, you can also tap the small icon for **Bluetooth** connection settings in the right lower corner on **Today** screen.
2. To add an extra layer of security when beaming information with others or to set a **Bluetooth** synchronization tap **Start** menu > **Settings** > **System** tab > **Bluetooth Settings**.

## Bluetooth modes

### To turn on Bluetooth On

Check **Turn on Bluetooth** option.

### To turn off Bluetooth Off

Uncheck **Turn on Bluetooth** option.

In this mode, you can neither send nor receive information by using Bluetooth. You might want to turn the radio off at times in order to conserve battery power, or in situations where radio use is prohibited, for example on airplanes and in hospitals.

By default the **Bluetooth** radio is turned off. If you turn it on, and then turn off your device, the **Bluetooth** radio also turns off. When you turn on your device again, the **Bluetooth** radio automatically turns on .

**NOTE:** In a situation where Bluetooth is on but radio is off, it is not possible to turn on radio. If you wish to turn on radio, turn off Bluetooth first, and then turn on radio.

## To make your device discoverable

Check **Make this device discoverable to other devices** option.

The Bluetooth radio is turned on, and all of the other Bluetooth devices within range (about **10 metres**) can detect your device and attempt to beam information to it, establish a bond, or use a Bluetooth service. In this mode, other devices can detect your device whether or not a bond has been created; however, in order to receive a beam from another device, you must accept it on your device.

Other Bluetooth devices can now detect your device and attempt to beam information to it, establish a bond, or use a Bluetooth service. Note that to receive beamed information, you must accept it on your device.

Selecting **Discoverable** also turns on your Bluetooth radio.

If you no longer want your device to be discoverable, uncheck **Turn on Bluetooth** option or **Make this device discoverable to other devices** option to leave the radio on, but not allow detection by other devices.

## Bonds

A **bond** is a relationship that you create between your Pocket PC Phone and another **Bluetooth** device in order to exchange information in a secure manner. Creating a bond involves entering the same personal identification number (PIN) on the two devices you want to bond. You need only create a bond once between two devices. Once a bond is created, the devices recognize the bond and are able to exchange information without your entering a PIN again.



### a. To create a Bond:

You can create a bond between your device and another device that has Bluetooth. Once you do this, Bluetooth doesn't need to be in discoverable mode in order for you to beam information between the two devices; the Bluetooth radio only needs to be turned on.

1. Make sure that the two devices are within 10 metres of one another and that Bluetooth is in discoverable mode on both devices.
2. Tap **Start** menu > **Settings** > **Connections** tab.
3. Tap **Bluetooth** > **Devices** tab > **New**. Your device searches for other Bluetooth devices and displays them in the list.
4. Tap the name of the other device in the list, and then **Next**.
5. In **PIN**, enter a PIN of between 1 and 16 characters and tap **Next**.
6. Enter the same PIN on the other device.
7. If you want, in **Name**, edit the name of the other device.
8. Tap **Finish**.

### b. To accept a Bond:

1. Make sure that Bluetooth is turned on and in discoverable mode.
2. When prompted to bond with the other device, tap **OK**.
3. In **PIN**, enter a PIN of between 1 and 16 characters, and tap **Next**. You must enter the same PIN that was entered on the device requesting the bond.
4. If you want, in **Name**, edit the name of the device requesting the bond.
5. Tap **Finish**.

The bond is created. You can now exchange information with the other device.

### c. To rename a Bond :

1. Tap **Start** menu > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Devices** tab.
3. Tap the bond to rename.
4. In **Name**, enter a new name for the bond.
5. Tap **Finish**.

### d. To delete a Bond :

1. Tap **Start** menu > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Devices** tab.
3. Tap and hold the bond to delete.
4. Tap **Delete**.

## Beaming Information with Bluetooth

1. Tap and hold an item to beam, such as an appointment in Calendar, a task in Tasks, a contact card in Contacts, or a file in File Manager.
2. Tap **Beam [type of item]**.
3. Tap the device to which you want to send the beam.

The item is beamed to the device you selected.

If the device that you want to beam to doesn't appear in the list, make sure that it is turned on, in discoverable mode, and within 10 metres of your device. Also, make sure that your Bluetooth radio is turned on.

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## Receiving a Bluetooth Beam

1. Make sure that your device is configured to receive incoming beams and that **Bluetooth** is in discoverable mode.
2. Make sure that your device is within 10 metres of the device beaming the information.
3. When prompted to receive an incoming beam, tap **Yes**.

The information is now stored on your device.

## Using a Bluetooth Phone as a Modem

You can use a phone that has Bluetooth capabilities as a modem for your device. To do this, you create a Bluetooth modem connection on your device and then send information to the phone by using Bluetooth. The phone relays the information over the phone line and then sends back to your device any information that you had requested over the connection.

Once you create a modem connection to the Bluetooth phone, you can reuse it whenever you want to use the phone as a modem.

1. Make sure that the Bluetooth phone is turned on, that your device's and the phone's Bluetooth radios are turned on, and that your device and the phone are within 10 metres of one another.
2. If you have not already done so, create a Bluetooth phone connection by following
3. Tap **Start** menu > **Settings** > **Connections** tab.
4. Tap **Connections** > **Add a new modem connection**.
5. Enter a name for the connection.
6. In the **Select a modem** list, tap **Bluetooth** > **Next**.
7. Make sure that the phone is discoverable. Some phones may also need to be pairable in order to accept a bonding request. For more information, see your phone documentation.

8. If the phone appears in the **My Connections** list, skip to step 14. If not, tap **New** and follow the remaining steps.
9. In the list, tap the phone and then **Next**.
10. In **PIN**, enter a PIN of between 1 and 16 characters, and tap **Next**.
11. Enter the same PIN on the phone.
12. If you want, in **Name**, edit the name of the phone.
13. Tap **Finish**.
14. In the **My Connections** list, tap the phone, and then **Next**.
15. Enter the phone number to dial for this connection and tap **Next**.
16. In **User name**, **Password**, and **Domain**, enter the logon information for this connection and tap **Finish**.
17. Start using the program that uses the Bluetooth phone connection; for example Inbox to send and receive e-mail, or Internet Explorer to browse the Web.

## 6.8 Wireless Modem

This utility will simulate your device as a wireless modem, and let your PC/Notebook be connected to a wireless network. Before creating a new modem via selected connection type, you still need to install the drivers on your PC/Notebook. For more details about the drivers installation and the minimum requirements of your PC/Notebook, please refer to **Application CD**.

1. Tap **Start** menu > **Programs** > then tap **Wireless Modem**.
2. Select a connection type.
3. Connect your device via infrared to a note-book or PC, and then tap **Start**.

Before you press the **Start** button, please make sure your device is with a **GPRS SIM** card and you have connected this device to your PC/Notebook by **IrDA** connection and disabled the **Activesync**.

## Settings on your PC

Contact your **ISP** to get the **APN (Access Point Name)**. Before you start using your **Wireless Modem** with a **IrDA** connection, you need to create a new modem on your PC first:

1. Click **Start** menu > **Settings** > **Control Panel** > **Phone and Modem Options**.
2. **Add** a new modem by selecting the **Modem** tab.
3. Enable the checkbox **Don't detect my modem; I will select it from a list**.
4. Select **Standard Modem Types** in the **Manufacturers** field, select **Standard 33600 bps Modem**, then select **Next**.
5. Select your modem port and click **Next**.
6. When a **Modem installation is finished!** screen appears, click **Finish** to go back to the **Modem** tab mentioned in **Step 2**. Now you can see a **Standard 33600 bps Modem** in the modem list.
7. Highlight the modem you just created, click the **Properties** button, and select the **Advanced** tab.
8. Enter the complete string in the **Extra initialization commands:** field: **AT+CGDCONT=1,"IP","APN",,"0,0**
9. Remember to click the **Change Default Preferences** button after entering the required string as mentioned above.
10. Click the **General** tab and set the **Float control** by selecting **None** from the drop-down list. Keep pressing **OK** until the modem installation wizard exits.

A new standard modem is now set up successfully on your PC, but you still need to create a new dial-up connection:

1. Click **Start** > **Settings** > **Control Panel** > **Network and Dial-up Connections** > **Make New Connection**.
2. To continue, tap **Next**.

3. Select **Dial-up to the Internet**. Tap **Next**.
4. Enable the option **I want to set up my Internet connection manually, or I want to connect through a local area network (LAN)** button, and **Next**.
5. Select **I connect through a phone line and a modem** option, and then **Next**.
6. Enable the **Use area code and dialing rules** checkbox and enter the telephone number **\*99#**, and then **Next**.
7. Enter the username and password you use to log on to your ISP, and then click **Next**.
8. Enter a name for this connection, and then **Next**.
9. Select **No** when the installation wizard asks you to set up an Internet mail account, and then click **Next**.
10. After the installation is completed, click **Finish**.

## Connecting via USB Port

As with the connection via **IrDA**, you need to check the following below before you start using the **Wireless Modem** on your Pocket PC Phone via **USB** connection:

- A **GPRS enabled SIM** card is inserted in your Pocket PC Phone.
- Disable the **ActiveSync** com port connection of your PC.
- Disable the **Infrared** function by tapping the **Start** menu > **Settings** > the **Connections** tab > **Beam**, and then uncheck **Receive all incoming beams**.
- Insert your Pocket PC Phone to your PC **USB connection** (using the **USB** sync cable or cradle).

Before setting up an **USB** modem, you must verify that you have the two files, **USBMDM** and **USBModem\_Dialer**, on the **Application CD**. Insert the **Application CD** into the CD-Rom of your PC and perform the settings as follows:

1. Tap the **Start** menu > **Programs** > **Wireless Modem**.

2. Select the **USB** connection type from the drop-down list and insert the **USB** cable adapter.
3. Tap the **Start** button on the **Wireless Modem** screen of your Pocket PC Phone.
4. A **Found New Hardware** message will pop up on your desktop PC.
5. Select the **Display a list of the known drivers for this device so that I can choose a specific driver** option, and then click **Next**.
6. Select **Modem** from the **Hardware types** list, and then **Next**.
7. Click the **Have Disk** button, and then **Next**.
8. Select the recognized **USB Modem** in the **Models** list, and then **Next**. After the installation is completed, select **Finish**.
9. After the installation, a new **USB modem** will be found in the **Modem** list by tapping **Start > Settings > Control Panel > Phone and Modem Options** on your PC.
10. Double click the **USBModem\_Dialer** file on the **Application CD** and set the **GPRS** settings (enter the **APN** assigned by your **ISP**) in the blank text box and press **Dial** to start the connection.

## Connect via Bluetooth

Before starting to use your Pocket PC Phone as a **Bluetooth** modem, you must be sure that your PC is a **Bluetooth-enabled** device. In addition, you still need to check the following:

- A **GPRS enabled SIM** card is inserted in your Pocket PC Phone.
  - Disable the **ActiveSync BT** port connection of your PC.
  - Disable the **Infrared** function by tapping the **Start** menu > **Settings** > the **Connections** tab > **Beam**. Uncheck **Receive all incoming beams**.
1. To begin, select the **Start** menu > **Programs** > **Wireless Modem**.
  2. Select the **Bluetooth** connection type from the drop-down list, and tap the **Start** button.
  3. Open your Pocket PC Phone from the **Bluetooth** application installed on your PC.

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The interface of the **Bluetooth** application installed on your PC will vary, depending on the **Bluetooth module** embedded or attached in your PC when you purchased it. Follow the installation instructions of the connected **Bluetooth** device's manual.



# Chapter 7

## Using Outlook

**7.1 Calendar**

**7.2 Contacts**

**7.3 Tasks**

**7.4 Notes**



## 7.1 Calendar

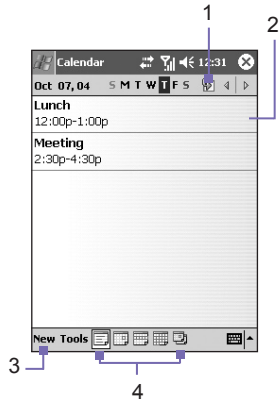
Use Calendar to schedule appointments, including meetings and other events. You can check your appointments in one of several views (**Day**, **Week**, **Month**, and **Agenda**) and set **Calendar** to remind you of appointments with a sound or other method. Appointments for the day can be displayed on the **Today** screen.

If you use **Outlook** on your PC, you can synchronize appointments between your Pocket PC Phone and PC. See **Using ActiveSync** in Chapter 4.

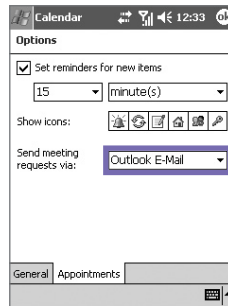
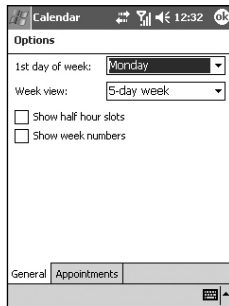
1. Tap to go back to view today's appointment.
2. Tap to display or edit the appointment details.
3. Tap to create a new appointment.
4. Tap to change the appointments in various displayed views.

### Create or change an appointment:

1. To create an appointment, tap **New**. To select a new date from a pop-up calendar, tap the display date. To enter or select a new time, tap the display time. Enter the appointment details, and when finished, tap **OK** to return to the calendar.
2. If you are working in **Day** view, tap the time slot for the new appointment and then **New** to have the time automatically entered for you.
3. To change an appointment, tap it in the calendar, and then tap **Edit**. Change any appointment detail by tapping it and entering the new information.



When entering a time, you can type military and abbreviated time forms, such as 2300 (becomes 11:00 PM), 913pm (becomes 9:13 PM), 911 (becomes 9:11 AM), and 9p (becomes 9:00 PM).



Tap the service you want to use to send the meeting request.

## Send a meeting request

You can use **Calendar** to set up meetings with users of **Outlook** or **Pocket Outlook**. The meeting request will be created automatically and sent either when you synchronize **Inbox** or when you connect to your E-mail server.

1. Create an appointment and enter the meeting information.
2. Tap **Attendees** (you will need to hide the input panel to see this box).
3. Select the meeting attendees from the list of E-mail addresses you've entered in **Contacts**. Only those contacts with E-mail addresses will be displayed.
4. Select other desired options and then tap **OK**.
5. Messaging automatically creates a meeting request and sends it to the attendees the next time you synchronize with your PC. Any textual notes entered in the **Notes** tab (excluding writing or recordings) will also be sent.

If you are sending the meeting request through a connection to an ISP or the network, rather than through synchronization with your PC, tap the **Tools > Options > Appointments** tab. In **Send meeting requests via**, tap the service you want to use to send the meeting request.

## Use the summary screen

When you tap an appointment in **Calendar**, a summary screen is displayed. To change the appointment, tap **Edit**.

## Set a reminder for an appointment:

1. In the **Calendar**, tap the appointment, and then tap the upper portion of the summary screen when editing the appointment.
2. Tap **Reminder** and select **Remind me**.
3. To change how many minutes before the appointment you are to be reminded, tap the minutes displayed.

To automatically set a reminder for all new appointments, in the calendar, tap the **Tools > Options >** the **Appointments** tab > **Set reminders for new items**.

## Beam an appointment

To beam an appointment, in the calendar list, tap and hold the appointment. On the pop-up menu, tap **Beam Appointment**. When using **infrared (IR)**, align the **IR** ports between the devices so that they are unobstructed and within close range of each other.

## 7.2 Contacts

**Contacts** maintains a list of your friends and colleagues so that you can easily find the information you're looking for, whether you're at home or on the road. You can enter both personal and business information.

If you use **Outlook** on your PC, you can synchronize contacts between your device and PC. See **ActiveSync** in Chapter 4.

## View contacts:

1. Select the category of contacts you want displayed in the list.
2. Tap and enter part of a name to quickly find it in the list.
3. Tap letters, such as **h** (home), **w** (work), or **m** (mobile) to the right of the contact to see additional phone numbers and E-mail addresses.
4. Tap to display or edit the contact details.
5. Tap and hold to display a pop-up menu of available actions.

To change the way information appears in the list, tap **Tools** and then **Options**.

## Create or change a contact:

1. Tap the **Start** menu > **Programs** > **Contacts** > **New**.
2. Using the input panel, enter a name and other contact information. You will need to scroll down to see all available fields.
3. To assign the contact to a category, scroll to and tap **Categories** and select a category from the list. In the contact list, you can display contacts by category.
4. To add notes, tap the **Notes** tab. You can enter text, draw, or create a recording.
5. To change a contact, tap it in the contact list, and then tap **Edit**. To cancel edits, tap **Edit** > **Undo**. When finished, tap **OK** to return to the contact list.

If you enter a name with more than 2 words, the middle word will be recorded as a middle name. If your contact has a double first or last name, tap the **Name** arrow and enter the names in the proper box.

## Find a contact:

- Tap the **Start** menu > **Programs** > **Find**, enter the contact name (first, last, or middle), phone number, or address, select **Contacts** for the type, and then tap **Go**.
- From **Contacts**, start typing a contact name until you see it displayed on the screen. To show all contacts again, tap the text box at the top of the screen and clear the text, or tap the arrow icon to the right of the text box.
- Tap one of the sets of letters displayed at the top of the contact list. This takes you to the contact names beginning with those letters.
- In the contact list, tap the category list (labeled **All Contacts** by default) and tap the category to which you've assigned a contact. To show all contacts again, select **All Contacts**. To view a contact not assigned to a category, select **No Categories**.
- To view the names of companies your contacts work for, in the contact list, tap **View** > **By Company**. The number of contacts that work for that company will be displayed to the right of the company name.
- Press and hold the top of the navigation pad until alphabetical letters appear on the screen in large type. Then use the navigation pad to scroll through the alphabet and select a letter.

## Beam a contact:

1. To beam a contact, in the contact list, tap and hold the contact. On the pop-up menu, tap **Beam Contact**.
2. To beam multiple contacts, tap and drag to select the contacts. Then, tap **Tools** > **Beam Contacts**.

When using **infrared (IR)**, align the **IR** ports between the devices so that they are unobstructed and within close range.

## Change options:

1. In the contact list, tap **Tools > Options**.
2. To increase the available space for displaying contacts in the list, clear **Show ABC tabs**.
3. The area code and country/region for new contacts are automatically entered based on the information in **Country/Region settings**.

## Using the summary screen

When you tap a contact in the contact list, a summary screen is displayed. To change the contact information, tap **Edit**.

## 7.3 Tasks

Use Tasks to keep track of things you need to do. A variety of task information can be displayed on the **Today** screen. If you use **Outlook** on your PC, you can synchronize tasks between your device and PC. See **ActiveSync** in Chapter 4.

### Create or change a task:

1. To create a task with detailed information, such as start and due dates, tap the **Start** menu > **Programs > Tasks > New**.
2. In the task list, you can display tasks by category.
3. To assign the task to a category, tap **Categories** and select a category from the list. To create a new category, tap the **Add/Delete** tab, enter the category name, and then tap **Add**. The new category is automatically selected in the **Select** tab.
4. To add notes, tap the **Notes** tab. You can enter text, draw, or create a recording. When finished, tap **OK** to return to the task list.
5. To change a task, tap it in the task list, and then tap **Edit**. To quickly create a task, enter text in the **Tap here to add a new task** box at the top of the screen. If you don't see this box, tap **Tools > Entry Bar**.

## Set a reminder for a task:

1. In the task list, tap the task, and then tap **Edit**.
2. Tap the **Due** field and set a due date if you have not already done so.
3. Tap the **Reminder** field and select **Remind me**. You will be reminded at 8:00 in the morning on the due date.
4. To change the reminder date, tap the date displayed.

To be automatically reminded of new tasks with a due date, in the task list, tap **Tools > Options** and select **Set reminders for new items**.

To choose how you are reminded, for example by a sound, tap the **Start** menu > **Settings > the Personal** tab > **Sounds & Notifications**.

## Using the summary screen

When you tap a task in the task list, a summary screen is displayed. To change the task, tap **Edit**.

## Beam a task

To beam a task, in the task list, tap and hold the task. On the pop-up menu, tap **Beam Task**.

## 7.4 Notes


Notes help you quickly capture ideas, notes, and thoughts. You can create a note using written and typed text, drawings, and recordings. You can also share your notes with others through E-mail, infrared, and synchronization with your PC. Please see Chapter 4 for more information.

To create documents with advanced formatting or templates, such as bulleted lists and tabs, use word processing software developed for your device, such as **Pocket Word**.



## Create a note:

1. Tap the **Start** menu > **Prgrams** > **Notes** > **New**.
2. Create your note by writing, drawing, typing, and recording, see *Entering Information* in Chapter 2 for more information about using the input panel, writing and drawing on the screen, and creating recordings.

You can insert the date in a note. First, deselect  and make sure that no drawings are selected. Next, tap and hold anywhere on the note and then tap **Insert Date**.

## Send a note by E-mail:

1. If you haven't already set up **Messaging** to send and receive messages, please do so now. See Chapter 8.
2. In the note list, tap and hold the note or recording. To select multiple notes or recordings, tap and drag. Then, tap and hold the selected items.
3. On the pop-up menu, tap **Send via E-mail**. A new message is created with the item attached.

## Beam a note

To beam a note, in the note list, tap and hold the note. On the pop-up menu, tap **Beam File**.

## Change options:

1. In the note list, tap **Tools** > **Options**.
2. From the **Default template** list, you can select a pre-designed template to use with all new notes.
2. If you store most of your notes and recordings on a storage card, in **Save to**, tap **Storage card** to have new items automatically stored on your storage card.



# Chapter 8

## Messaging Features

**8.1 E-Mail and Text Messages**

**8.2 MSN Messenger**

**8.3 MMS Messages**



## 8.1 E-Mail and Text Messages

You can receive E-mail and text messages in **Messaging**. E-mail messages are sent by using an address you receive from your Internet service provider (ISP), an E-mail service provider, or your employer. Text messages are sent and received through your phone service provider by using a phone number as the message address.

You can also send and receive E-mail by synchronizing with your PC, or by connecting to a Post Office Protocol 3 (POP3) or Internet Message Access Protocol 4 (IMAP4) mail server. You need to set up an E-mail account for each method that you use except for an **Outlook** E-mail account, which is set up by default. The **Outlook** E-mail account on your Pocket PC Phone is used to store messages that you send and receive through synchronization with a PC. Account names appear when you open the folder list, which is located on the left, under the navigation bar, in the message list view.

How you download copies of messages depends on how you are receiving messages:

- If you receive E-mail messages through a remote E-mail server, follow the instruction as described on the next page, under **"Downloading messages from a server."**
- If you receive E-mail messages through **ActiveSync**, begin synchronization. For more information, please refer to Chapter 4.
- Text messages are automatically received when your phone is turned on. Otherwise, messages are held by your service provider until the next time your phone is turned on.

With synchronization, messages are synchronized between the Pocket PC Phone **Inbox** folder for the **Outlook** E-mail account and the PC **Inbox** by using **ActiveSync** and **Microsoft Exchange** or **Outlook**. For more information, see Chapter 4.

## Setting up an account:

Open **Messaging** on your Pocket PC Phone by tapping the **Start** menu > **Messaging**. Select **Outlook E-mail** in Accounts. Tap **Accounts**, **New Account** to set up an account. **Accounts > New Account**. The **E-mail Setup** wizard will prompt you to fill in the necessary information to complete the setup.

1. Fill in your E-mail **address**, then tap **Next**.
2. The **Auto configuration** will attempt to connect your Pocket PC Phone to your E-mail server and automatically download the necessary connection settings. If **Auto configuration** is unsuccessful, contact your ISP or network administrator.
3. Enter **Your name**, **User name** and **Password**, then tap **Next**. If you check the **Save password** box, your device will not ask for your password the next time you log in to an E-mail account. However, other people can access your account if you lose the device.
4. Select the appropriate **Account type** that your E-mail provider supports (**POP3** or **IMAP4**). Enter a **Name** for your E-mail account, then tap **Next**.
5. Enter your E-mail provider's server name information for **Incoming** mail and **Outgoing** mail, then tap **Finish**.

When finished, tap **Accounts**. Your new E-mail account will be displayed under this menu. You can start connecting to your E-mail server at this point.

You can set up several E-mail accounts, including your **Outlook** E-mail account. A **Text Messages** account and an **MMS** account is already pre-configured in **Messaging**.

## Changing options for an account:

1. Tap **Accounts > Accounts**.....
2. Tap the name of the account, and follow the instructions on the screen.

## Deleting an account:

1. Tap **Accounts > Accounts...**
2. Tap and hold the name of the account > and then tap **Delete**.

You cannot delete the text messages and MMS account.

## Downloading messages from a server

In **Messaging**, tap **Accounts > Connect** to open a connection to the Internet or your corporate network, depending on the account. For more information, see Chapter 6.

1. Tap **Accounts** and ensure that the account you want to use is selected (marked by a bullet).
2. Tap **Connect**. The messages on your device and E-mail server are synchronized. New messages are downloaded to your Pocket PC Phone **Inbox** folder, messages in your Pocket PC Phone **Outbox** folder are sent, and messages that have been deleted from the server are removed from your Pocket PC Phone **Inbox**. Tap a message in the message list to open it.
3. If you read a message and decide that you need the full copy, tap **Edit > Mark for Download** while in the message window. If you are in the message list, tap and hold the message, and then tap **Mark for Download**. This will also download message attachments if you selected those options when you set up the E-mail account. You can also choose to download full copies of messages by default.
4. When finished, tap **Accounts > Disconnect**.

## Receiving attachments

An attachment sent with an E-mail message or downloaded from the server appears as an icon at the bottom of the message in its own window pane. Tapping the attachment icon opens the attachment if it has been fully downloaded. You can mark an attachment for downloading (**IMAP4 account only**) the next time you connect.

## Through synchronization:

1. Start **ActiveSync** on your PC.
2. Click **File > Mobile Device >** and then select your mobile device.
3. Click **Tools >** and then click **Options**.
4. Select the message account > **Settings**, and then select **Include File Attachments**.

## Through a remote IMAP4 E-mail server:

1. From **Messaging**, tap **Accounts > Accounts... > IMAP4**.
2. Tap **Next** until you reach **Server Information >** and then tap **Options**.
3. Tap **Next** twice > **Get full copy of messages** and **When getting full copy get attachments**.

Embedded images and objects cannot be received as attachments. An embedded message can be viewed as an attachment when using **IMAP4** to receive E-mail. However, this feature does not work if **TNEF (Transport Neutral Encapsulated Format)** is enabled so that you can receive meeting requests.

## Composing and sending a message:

**Text Messages (SMS)** cannot be used to send E-mail messages. You can tap the double arrows next to the **Subj.** field to show the complete header. From the **Account** list, select an E-mail account.

If you are sending a text message (SMS) and want to know if it was received, before sending the message, tap **Tools > Options > Request message delivery notification**.

You can also send a text message from the **Phone Dialer Screen** by tapping **Tools > Send Text Message**. A new message screen will appear in **Messaging**.

1. In the message list, tap **Accounts** and select **Outlook E-Mail, Text Messages (SMS)**, or the desired E-mail account.
2. Tap **New**.
3. Enter the E-mail address or text message address of one or more recipients, separating them with a semicolon. To access addresses and phone numbers from **Contacts**, tap **To**, or tap the **Address Book** button.
4. Enter your message. To quickly add common messages, tap **My Text** and tap a desired message.
5. To check spelling, tap **Tools > Spell Check**.
6. Tap **Send**. If you are working offline, the message is moved to the **Outbox** folder and will be sent the next time you connect.

## Managing Messages and Folders

Each E-mail account and text message account has its own folder hierarchy with five default folders: **Inbox**, **Outbox**, **Deleted Items**, **Drafts**, and **Sent Items**. The messages you receive and send through the mail account are stored in these folders. You can also create additional folders within each hierarchy. The behavior of the folders you create depends on whether you are using an **Outlook E-Mail, Text Messages, POP3, MMS, or IMAP4** account.

If you use an **Outlook E-Mail** account, E-mail messages in the **Inbox** folder in **Outlook E-Mail** will automatically be synchronized with your device. You can elect to synchronize additional folders by designating them for **ActiveSync**. The folders you create and the messages you move will then be mirrored on the server.

If you use a **Text Messages** account, messages are stored in the **Inbox** folder.

If you use a **POP3** account and you move E-mail messages to a folder you created, the link is broken between the messages on the device and their copies on the mail server. The next time you connect, the mail server will see that the messages are missing from



the device **Inbox** folder and delete them from the server. This prevents you from having duplicate copies of a message, but it also means that you will no longer have access to messages that you move to folders created from anywhere except the device.

If you use an **IMAP4** account, the folders you create and the E-mail messages you move are mirrored on the server. Therefore, messages are available to you anytime you connect to your mail server, whether it is from your device or PC. This synchronization of folders occurs whenever you connect to your mail server, create new folders, or rename/delete folders when connected.

For all accounts except **Outlook E-Mail**, you can access folder options by tapping **Tools > Manage Folders**.

## 8.2 MSN Messenger

MSN Messenger features include:

- Seeing who is online.
- Sending and receiving instant messages.
- Having instant message conversations with groups of contacts.
- Notifying contacts of your on-line status.
- Blocking contacts from seeing your status or sending you messages.

To use **MSN Messenger**, you need a **Microsoft Passport** account, or a **Microsoft Exchange** E-mail account that your employer provides. Once you have one of these accounts, you will need to:

- Set up an account on **MSN Messenger**.
- Sign in to **MSN Messenger**.

## Setting up an account

Before you can use **MSN Messenger**, you must set up the instant messaging account(s) to use. For **MSN Messenger Service**, you must have a **Microsoft Passport** or **Hotmail** account. For **Exchange Instant Messaging**, you must have an **Exchange** account.

1. To use **MSN Messenger Service**, set up a connection to the Internet; to use **Exchange Instant Messaging**, set up a connection to your corporate network.
2. Tap the **Start** menu > **Program** > **MSN Messenger**.
3. In **MSN Messenger**, tap **Tools** > **Options** > the **Accounts** tab.
4. Select **Enable MSN Messenger Service** and/or **Enable Exchange Instant Messaging**.
5. Enter your sign-in name and password for the selected account(s). Your sign-in name is usually in the form: **username@domain.com**.
6. If you selected both accounts, tap **Settings**, and select which account to sign in to first.
  - To set up a Microsoft Passport account, go to <http://www.passport.com>.
  - To set up a Hotmail account, go to <http://www.hotmail.com>.
  - To set up an Exchange account, see your network administrator.

## Signing In and Signing Out

1. To sign in, tap anywhere on the screen. Follow the directions on the screen.
2. To sign out, tap **Tools** > **Sign out**.

To sign in as your device is connected to the Internet, tap **Tools** > **Options** > the **General** tab > and select the **Run this program upon connection** box.

Signing in to an **Exchange** account may take several minutes depending upon your connection speed. Reducing the number of **Exchange** contacts will decrease your sign-in time.

## 8.3 MMS Messages

With the Pocket PC Phone, you can create and share your own MMS messages, complete with photos, videos, text, and audio to your friends and family. You can even use the Pocket PC Phone's camera to snap photos and immediately send them by composing an MMS message.

### Launching the MMS composer screen

MMS is incorporated into the Pocket PC Phone's **Messaging** function. You can access MMS directly by selecting the **Start** menu > **Messaging** > **Accounts** > **MMS**. Your device also allows you several ways to launch the MMS composer screen:

- From **Album**: Select any picture in Album, tap on Tools > Send via MMS. At this point you will be directed to the MMS composer screen in Messaging.
- From **Camera (Optional)**: Capture a picture or a video clip. A Review mode pop-up menu will let you select from the four icons after you have captured an image or video clip, one of which will be Send via MMS.

### Creating an MMS Message

MMS messages are created by combing various slides. Each slide can consist of a photo, an audio or video clip, audio, or text. To begin select the **Start** menu > **Messaging** > **Accounts** > **MMS**. In the MMS Inbox, tap **New**. You may not automatically be taken to a blank message, but 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.

## Message Boxes

### To view message folders:

When the program starts, it will take you to your message boxes. Use the pull-down to select the one you wish to view.

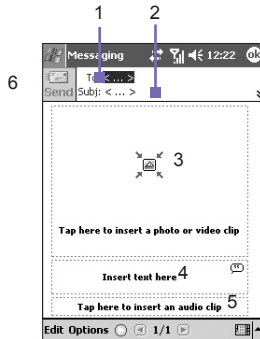
### To view message options:

Within each message box, you can tap and hold on an individual message to see various options.

Options	Explanations
<b>New</b>	Creates a new message.
<b>Delete</b>	Removes the message.
<b>Move...</b>	Move the selected message to another folder.
<b>Reply</b>	Lets you respond to the message by sending one of your own.
<b>Reply All</b>	Responds to everyone included in the initial message.
<b>Forward</b>	Sends the message to someone else.
<b>Send/Receive</b>	Send or receive the selected message
<b>Mark as Unread</b>	Makes the message appear as if it is a newly received message.
<b>Message Info</b>	Displays various message information, such as the sender, the subject, the date and time it was sent, and the size.

## Creating a message

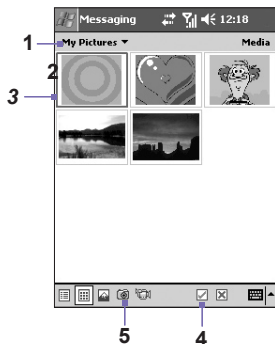
Messages are created by combining various slides. Each slide can consist of a photo or video, audio, and text. A quick run-down of the Create screen is illustrated as below:



1. Enter the recipient's phone number or email directly.  
Or, tap on the **To** button to select either - **Phone** to see your phone book or **Email** to see your email address book.
2. Enter a subject for your message.
3. Tap here to choose a photo or video.
4. Tap here to input a text message.
5. Tap here to include an audio clip.
6. When you're ready, tap **Send**. Otherwise, tap **Cancel**.

## To add a picture or video clip:

You can add either a still image or a video clip to each individual slide. After you've tapped the area to add a photo or video, you'll 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. Choose either **Photos** or **Videos** from this pull-down. You can only add either a single photo or video clip to each individual slide.
3. Tap the specific photo or video clip that you want to add.
4. Tap the specific photo or video clip that you want to add, then tap  to select.
5. To take a new picture or video clip press the **Camera** icon The picture or video clip will be automatically inserted.

Tap and hold on a file to see the **File Info** and **Delete** options. **File Info** displays the file name, resolution, date, and size of a photo. When viewing video file information, the duration of the video is also listed. **Delete** deletes the file.




## To add text:

You can add text to any slide. You can either enter in new text with the keyboard, or use **Canned Text**. **Canned Text** are previously saved words or phrases:

1. Tap the **Insert text here** box, then enter the text you want to send.
2. To insert **Canned Text**, tap the small icon on the right upper corner of the **Insert text here** box, and then select a phrase from the list and tap  to select.
3. To add new, edit or delete existing canned text, tap and hold on the canned text screen.

## To add audio clips:

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

1. From the drop-down menu, select a location that contains audio files.
2. Tap the file you'd like to use.
3. Preview the audio files by tapping on them. Use the toolbar below to **Stop** and **Play** the file.
4. To insert the clip tap  Otherwise, tap .
5. To record a new audio clip, tap the **Record**  icon, then tap  to start recording and  to finish. The clip will be automatically inserted.

## Menu commands

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

### 1. Edit

<b>Insert Slide</b>	Adds a new, blank slide to your current message.
<b>New From Template..</b>	Lets you create a new message using a pre-made template.
<b>Save As Template</b>	Lets you save the current message as a template for later use.
<b>Delete Slide</b>	Removes the current slide from your message.
<b>Organize Slides...</b>	Lets you arrange the slide order and display time for each slide.
<b>Add vCard</b>	Attaches a vCard of your choice to the message.
<b>Add vCalendar</b>	Attaches an appointment of your choice to the message.
<b>Capture Picture...</b>	Lets you take a new picture (optional).
<b>Capture Video...</b>	Lets you capture a new video (optional).
<b>Cancel</b>	Backs out of the message creation and returns you to your message box.

### 2. Options

<b>Text</b>	Choose between "Top" and "Bottom." This determines where your included text will appear in the message.
<b>Send Options...</b>	<ul style="list-style-type: none"> <li>■ Uncheck the "<b>Send the message now</b>" box to manually set the date and time that you would like the message sent.</li> <li>■ From the "<b>Expiration</b>" pull-down, select how long you'd like the message to be stored on the server. The server will stop attempting to deliver the message after the set time expires.</li> <li>■ Set the message priority from the <b>Priority</b> pull-down. Check the <b>Delivery Report</b> box to be notified when the recipient downloads your message.</li> </ul>



## Viewing a message

You have several options when viewing a message that you receive:

1. Use the **playback** controls (**Play/Pause, Stop**) to view the message. You can pause it anytime during playback.
2. Tap **Objects** to see a list of each file. If you want to save a particular file, tap it, then choose **Save** from the **Tools** menu.
3. You can also view the slides manually. Use the navigation buttons to scroll through the message.

## MMS Settings

To view and edit your **MMS Messages**, tap on the **Tools** menu which is located at the bottom of the screen, and then select **MMS Settings**.

In the **Preferences** tab:

- **Connect Via:** Select your type of network connection from the pull-down.
- **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 messages while roaming.
- **Save Sent Messages:** Check this option to save a copy of messages that you send.
- **Attempts Before Giving Up:** This value sets the number of times the program will attempt to send your message before stopping.
- **Photo Resolution:** Choose the resolution for images that you send. You may want to decrease below the original resolution to help the send/receive time.

In the **Servers** tab, it lists all available servers that you can use, or alternatively, you can set up a new one.

In the **About** tab, it lists various program information, such as the End User Licence Agreement, etc.



# Chapter 9

## Applications

**9.1 Pocket Word**

**9.2 Pocket Excel**

**9.3 Windows Media Player**

**9.4 Pictures**

**9.5 TrueFax**

**9.6 MIDlet Manager**



## 9.1 Pocket Word

You can create and edit documents and templates in **Pocket Word** just as you would do in **Word** on your PC. **Pocket Word** documents can be saved as **.psw**, **.doc**, **.rtf**, or **.txt** files. You can enter information in a document by **typing**, **writing**, **drawing**, or **recording**. After you close a document and name it, the document is automatically placed in the **Pocket Word document list**.

### Synchronizing Pocket Word documents

**Pocket Word** documents can be synchronized with **Word** documents on your PC. To synchronize files, select the **Files** type for synchronization in ActiveSync Options settings on your PC. When you select **Files**, a ***My Documents*** folder is created on your PC's desktop. Place all the files you want to synchronize with the device in this folder. Please note that password-protected files cannot be synchronized.

All **Pocket Word files** that are stored in **My Documents** and its subfolders are synchronized with the PC. **ActiveSync** will convert the documents during synchronization. When you delete a file on your PC or your device, the file will be deleted in the other location the next time you synchronize. For more information on synchronization, or file conversion, see **ActiveSync Help** on the PC.

### Document conversion

The Word documents (.doc) and templates (.dot), created in Word 6.0 or later on the PC, are converted to Pocket Word documents (.psw) and templates (.psw). The conversion takes place during the following:

- During file synchronization.
- When you copy a **Word** file from the PC to your Pocket PC Phone.
- When you open an E-mail message with an attached **Word** file on your device.

**Pocket Word** documents are converted to **Word** documents when they are synchronized or copied back to the PC. During the conversion from **Word** to **Pocket Word**, most simple text and paragraph formatting will be retained and displayed, but some formatting attributes could be changed or lost.

## 9.2 Pocket Excel

You can create and edit workbooks and templates in **Pocket Excel** just as you would do in **Excel** on your PC. **Pocket Excel workbooks** are usually saved as **.pxl** files, but you can also save them in the **.xls** format. When you close a workbook, it is automatically named and placed in the **Pocket Excel workbook** list. You can attach a password to a workbook to ensure privacy.

### Synchronizing Pocket Excel workbooks

Pocket Excel workbooks can be synchronized with Excel workbooks on your PC. To synchronize files, select the **Files** type for synchronization in ActiveSync Options settings on your PC. When you select **Files**, a **My Documents** folder is created on your PC's desktop. Place all the files you want to synchronize with the device in this folder. Password-protected files cannot be synchronized.

All **Pocket Excel** files that are stored in **My Documents** and its subfolders are synchronized with the PC. **ActiveSync** converts documents during synchronization.

When you delete a file on your PC or your device, the file will be deleted in the other location the next time you synchronize.

For more information on synchronization or file conversion, see **ActiveSync Help** on the PC.

## Workbook conversion

The **Excel** files (.xls) and templates (.xlt), created in Excel version 5.0/95 or later on the PC, are converted to Pocket Excel workbook (.pxl) or template (.pxt) files. The conversion takes place during the following:

- During file synchronization.
- When you copy an **Excel** file to your device from the PC.
- When you open an E-mail message with an **Excel** file as an attachment.

**Pocket Excel** workbooks are converted to **Excel** workbooks when they are synchronized or copied back to the PC.

During the conversion from **Excel** to **Pocket Excel**, most simple text and paragraph formatting will be retained and displayed, but some formatting attributes could be changed or lost.

## 9.3 Windows Media Player

Use **Windows Media Player** to play audio and video files that are stored on your Pocket PC Phone, a network, or the Internet.

You can play files in either **Windows Media** or **MP3** format (this includes files with the extensions .asf, .wma, .wmv, and .mp3.) To find contents in the Windows Media Format for your Pocket PC Phone, please go to <http://www.windowmedia.com>.

To turn on **Windows Media Player** on your Pocket PC Phone, tap the **Start** menu > **Programs > Windows Media**.

## About the playlist

A playlist is a list of digital media files that play in a specified order. By using playlists, you can group audio and video files together for convenient playback. For example, you can create a playlist of your favorite songs by a particular artist or a playlist of work-related video clips.

For more information about creating and editing a playlist on your Pocket PC Phone, select **Help** from the **Start** menu.

## Play a file on a network:

To play streaming media, your device must be connected to a network. See the remote connection settings in Chapter 6 for more information.

1. In Player Screen, tap **Menu > Open URL**.
2. Enter a **URL** in the **Location to Open:** field.

## 9.4 Pictures

**Pictures** collects, organizes and sorts .jpg picture files on your device. With **Pictures**, you can download images to your PC, use ActiveSync to copy the files to your Pocket PC Phone, and view the images as a slide show.

Pictures can also be stored and transferred to your device from a MMC, SD, or any storage form factor supported by your digital camera. Insert a card into the memory card slot and then copy or drag the pictures from your PC to the My Documents directory on the memory card. (If the memory card does not have a My Documents directory you must create one first).

## Transferring pictures

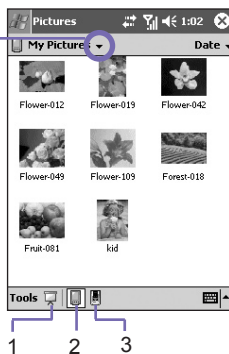
Pictures stored on your PC can be synchronized with **Pictures** on your device. Picture synchronization is not automatically selected in ActiveSync; you need to tap the sync option **Files** in ActiveSync on your desktop PC to activate this function.




### Finding and listing pictures:

1. Tap the **Start** menu > **Programs** > **Pictures**.
2. Tap **My Pictures** and select a folder from the drop-down menu.

### Viewing pictures:

Tap to select a folder from the drop-down menu



1. In **Pictures**, tap  to view pictures as a **slide show**.
  2. Tap  to view pictures stored in your **My Pictures** folder.
  3. Tap  to view pictures stored on a storage card.
- During the **Slide Show**, tap anywhere on the screen to display the **Slide show** toolbar, which you can use to pause the **Slide Show** and rotate the view.
  - Press the **Left/Right** controls to move forward or backward through the slides.



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## Sorting pictures:




1. Tap the **Start** menu > **Programs** > **Pictures**.
2. Tap to select a sorting option such as **Name**, **Date**, **Size**, and **Type** from the drop-down menu.

## Deleting an image

Hold the stylus firmly on the file name of the picture you want to delete. Select **Delete** from the pop-up menu.

## Edit pictures

You can **rotate**, **crop**, **zoom** and adjust the **brightness** and **color contrast** of your .jpg pictures. Tap the desired picture, then:

- Tap  to rotate a picture 90 degrees counter-clockwise.
- Tap  to crop a picture by dragging and selecting the crop area. Tap outside of the box to stop cropping.
- Tap  to display the Zoom panel, from which you can zoom in or out of a picture, or return a picture to full-screen size.
- Tap **Edit > Brightness and Contrast** to adjust the brightness and contrast of a picture.
- Tap **Edit > Undo** to undo an edit, or **Redo** to redo an edit.

## Set pictures as background

You can use one of your own .jpg pictures as the background on the **Today screen**, and specify how you want it displayed on the screen, such as adjusting the transparency level.

1. In **Pictures**, tap the picture you want to set as the background.
2. Tap **Tools > Set as Today Wallpaper**.

The default setting for the transparency level of the background picture is 65%. This can be adjusted in the **Set as Today Wallpaper** screen.

## Customizing pictures

You can launch **Pictures** automatically when a digital camera storage card is inserted. You can also set the length of the time delay between slides for a slide show.

### To select launch automatically:

1. Tap the **Start** menu > **Programs > Pictures**.
2. Tap **Tools > Options > the General** tab.
3. Check the **Detect digital camera storage cards** box.

### To select the time delay between slides:


1. Tap the **Start** menu > **Programs > Pictures**.
2. Tap **Tools > Options > the Slide Show** tab.
3. Select a number of seconds, then tap **OK**.

## 9.5 Truefax

**Truefax** is a software that allows you to send and receive faxes on your Pocket PC Phone.

Before you send or receive a fax, make sure that the device is connected to a **GPRS** network. The GPRS network status is confirmed by an antenna symbol **G** on the status bar. Please note that the performance of fax communication is determined by the relative strength of the GPRS network signal.


### Sending a fax:

1. Tap the **Start** menu > **Programs** > **Truefax** > **New**.
2. In the **Recipient** dialog screen, enter the recipient's name and fax number. Alternatively, you can also choose a contact from **Contacts** by tapping  next to the **To:** field. As a shortcut, **Truefax** enables the user to access the **Contacts** to compose the recipient's data. While working on **Contacts**, you can select up to 10 names to send the fax to. Check the **Multiple recipients** box to list the selected contacts with the multiple recipient mode.
3. To attach a cover page on your fax document, choose the available type of cover pages from the drop-down list and tap **Next**. A **Note** dialog box will appear if you choose a coverage template.
4. Enter a subject of the fax in the **Subject** field. Entering a subject in the **Subject** field may help you to manage your faxes later on. In the lower edit field, you can enter more text that will also appear on the cover page. Tap **Next** to continue, or tap **Back** to modify settings in a previous dialog. A warning message will appear if you didn't enter the **Owner Information** on your device. This information will show in the cover page if you entered your contact information on the **Today** screen.
5. To attach a document, tap the **Add** button, which will display all available documents stored on your device. Find the file you want to attach, tap **OK**. Repeat this procedure until you have completed your selection. Or, you can create a new fax note by tapping **New**. You can modify the order in which the documents are to be attached. Tap the **Up** or **Down** arrow next to the attachment list to move the document you have selected. To remove an item from the list, select the document and tap **Delete**.

6. After you have completed the selection of your attachment(s) and tapped **Next**, a summarized **Preview** screen will list all the settings of this fax document. A small window will show you a preview of the fax. Tap this window to open a larger preview screen, which also enables you to write a note on the documents.
7. Tap **Send** to connect to your internal modem to send all composed faxes. A duplicate copy will be stored in the **Outbox** folder. As soon as the fax sending dialog is opened, the device will automatically switch to **Flight mode**. Once the fax is successfully sent, the **Flight mode** is automatically switched off and the device will return to normal connectivity status.


## Receiving a fax

To receive faxes with **Truefax** via your Pocket PC Phone, you need a special fax number assigned by your mobile Pocket PC Phone operator. Currently, it's not possible to receive faxes through your Pocket PC Phone with a standard mobile phone number. Contact your mobile operator for the availability of this service. To receive a fax:

1. Tap the **Start** menu > **Programs** > **Truefax**.
2. Tap  in the menu bar to open the receipt dialog and to activate the modem. **Truefax** will then wait for incoming faxes.
3. After the fax has been received, **Truefax** will switch to **Waiting for incoming call**. To close the receipt dialog, tap the **Cancel** button and wait until the button changes to **Close**, which could take some time.
4. You will find the document in the fax **Inbox** folder when a fax has been received.

## Finishing






After a fax has been sent or received, the phone module has to be re-activated.

1. Tap the antenna symbol  on the task bar to open the connectivity screen of your Pocket PC Phone.
2. Tap **Turn off flight mode** in the appearing window.
3. After a while the "x" at the antenna symbol will be replaced by a "!" and the antenna symbol with the signal bars will reappear.

In certain situations it is necessary to reenter the **PIN** code in order to reconnect to a GPRS network.

## Using the Fax Viewer

The fax viewer allows you to look at a fax and draw text or sketches on an existing document or on a newly created document.

- You can zoom a document by tapping  on the tool bar and choosing the zoom factor from the opening list.
- With , you can choose the pen width, choose between a white or black pen, and select **Clear Page** to clear all previous modifications on the fax document.
- Tap the **Undo** or **Redo** button  to reverse what you have done with the pen or to reverse a rejected action.
- Tap  to view your fax documents page by page.
- With , you can:
  - **Invert** to show the actual page inverted. All black points will be white and all white points will be black.
  - **Rotate by 180 deg.** so that a fax received upside down can be viewed without rotating the device.
  - **Show Margins** that can be thin borders, drawn in the fax viewer dialog.
  - **Page Info** to display information about the chosen page.

## Customized templates

**Truefax** allows you to customize your documents to tailor a personal or corporate identity for your faxes. The identification dialog consists of three edit fields to display additional information about the sender. Tap the **Start** menu > **Programs** > **Truefax** > **Tools** > **Identify...**

**Banner Name** and **Banner Number** are both shown in the banner on the top of each page of the fax, if you have activated the **Send Banner** checkbox.

The fax device of the receiver will show the **Station ID** as the sender number.

### Properties:

1. Tap the **Start** menu > **Programs** > **Truefax** > **Tools** > **Properties...**In **Logo graphic**, you can tap the **File** button to choose a bitmap that will be used as a logo representing the sender on the cover page.
2. **Units** option enable you to choose the **unit** you are most familiar with. You can specify **inch** or **cm** (centimetre).
3. The last and bottom part of the properties dialog is for the **Fax Viewer** customization. In the properties dialog you can customize the **Fax Viewer** by selecting:
  - **Text size**: Enlarge the text font when viewing the document.
  - **Caption word break**: make the text break if it does not fit into a single line.
  - **Keep graphics of sent faxes** feature: faxes that were already will not be saved. Assigning every fax a subject should better help you to identify your sent faxes without storing the fax documents.
4. Tap **OK** to save the new settings.

### Layout

You can customize the appearance of your fax by modifying the settings in the **Layout** dialog.

Tap the **Start** menu > **Programs** > **Truefax** > **Tool** > **Layout**.

- In the **Font** tab, define the font that will be used for the fax. The only text that won't be shown with this font is the text you have written with the quick note feature of the fax viewer, because this text will be handled as a graphic.
- The **Margins** tab shows the actual height and width of the margins used for the fax. Modify these values by choosing one of the given values from the list. The standard measurement unit can be set in the **Properties** options.

## Fax Options

Tap the **Start** menu > **Programs** > **Truefax** > **Tool** > **Fax**

- The **Fax** options dialog lets you choose the **Resolution** of your fax. Select the **Fine** resolution to generate high-quality faxes, or choose the **Normal** resolution for optimal transmission rates.
- Activate the **Play sounds after send** checkbox to hear a sound prompt after a completed send or receive action.

## 9.6 MIDlet Manager

Your Pocket PC Phone supports Java 2 Edition, J2ME. The MIDlet Manager allows you to download Java applications such as games and tools specifically designed for mobile devices. You will find that some Java applications and games may have already been installed on your device. The Java MIDlet Manager gives you the flexibility of installing and managing additional J2ME applications from the Internet.

### Installing MIDlets directly from the Internet

You can install MIDlets/MIDlet suites directly from the Internet using **Internet Explorer** in conjunction with the **MIDlet Manager**.

1. Connect to the Internet and locate a MIDlets/MIDlet suite you wish to download (this is normally a .jad and a .jar file).
2. Select the MIDlets/MIDlet suite and download it.
3. You will be asked to confirm before the download begins.
4. A progress screen is displayed while the files are being downloaded. You may cancel the download at any time.

Once your download is completed, the **MIDlet Manager** will automatically start and prompt you to install your new MIDlets/MIDlet suite. You must confirm that you want to proceed

and the installation of your MIDlets/MIDlet suite is completed. Alternatively, you can cancel the installation at any time.

## Installing MIDlets from a PC

You can install MIDlets/MIDlet suite onto your Pocket PC Phone from your PC using the USB sync cable, the optional cradle, infrared or Bluetooth. MIDlets transferred to your Pocket PC Phone using infrared, Bluetooth, or as E-mail attachments are automatically saved in the **My Documents** directory.

To install MIDlets via a physical connection (such as USB sync cable or cradle) use Windows Explorer to copy your MIDlet file(s) from your PC to any of the following temporary directories, from where they can be installed by the **MIDlet Manager**.

- **Device memory:** Mobile Device\My Pocket PC Phone\My Documents\My MIDlets
- **Storage card:** Mobile Device\My Pocket PC Phone\Storage Card\

If the folder My MIDlets not exist in My Documents, you need to create one with exactly the same folder name. The folder **Storage Card** will automatically appear once you insert the SD card to your Pocket PC Phone.

Once the file(s) have been copied to your Pocket PC Phone or to your storage card, you must install the MIDlet/MIDlets suite:

1. Tap the **Start** menu > **Programs > MIDlet Manager > Menu > Install**.
2. The **Install** screen will open, containing a list of all available MIDlets/MIDlet suites.
3. Select one and choose **Install** from the pop-up menu. You will be prompted to confirm your choice.

Optionally, you can remove the MIDlet files from the temporary folder you used by tapping **Delete** from the pop-up menu.



## Running MIDlets

The **MIDlet Manager** enables you to run MIDlets/MIDlet on your Pocket PC Phone. You can leave MIDlets running in the background while you perform other tasks on your Pocket PC Phone. You can have multiple MIDlets running at the same time, depending on the total amount of memory available on your Pocket PC Phone.

1. Tap the **Start** menu > **Programs** > **MIDlet Manager**.
2. Select a suite and tap to run the MIDlet. The MIDlets/MIDlet suite you selected will open within the **MIDlet Manager** window.

You can tap **Show** > **Running** to display the MIDlets/MIDlet suite currently running on your Pocket PC Phone. You can also return to a running MIDlet by selecting it from this screen.

You can also tap the **Show** > **Recent** option to display up to the **9** most recently used MIDlets.

## Stopping MIDlets

Some MIDlets have an exit or stop command within their menu structure, which are determined by the specific software developer.

### Stopping a MIDlets/MIDlet suite:

To stop an individual MIDlet, navigate to the **Running MIDlets** screen:

1. Tap the **Start** menu > **Programs** > **MIDlet Manager**.
2. Tap **Show** > **Running**.
3. Tap and hold the MIDlet you want to stop and then select **Stop** from the pop up menu.

## Stopping all MIDlets

To stop all the MIDlets running on your Pocket PC Phone, navigate to the **Running MIDlets** screen:

1. Tap the **Start** menu > **Programs** > **MIDlet Manager**.
2. Tap **Show** > **Running**.
3. Tap **Menu** > **Stop All**.

Once your MIDlets have been stopped, you will be returned to the **MIDlet Manager** window.

## Managing your MIDlets/MIDlet suites

You can organize your MIDlets into groups and define custom groups. You can manage the default settings for MIDlets, including security settings.

### Customizing your display settings:

1. Tap **Sort By** menu on the up-right corner of the **MIDlet Manager** screen to personalize your display options.
2. You can choose your MIDlets/MIDlet suite to be sorted by **Name** (A to Z) or by **Size** (small to large).

## Changing the display name of your MIDlets

You can change the displayed name of any MIDlet on your Pocket PC Phone. However, you cannot change the names of MIDlet suites.

1. Tap and hold the MIDlet you wish to change the name of and then select **Rename** from the pop-up menu.
2. Enter the new name for your MIDlet in the dialogue box and press **OK** to confirm, or **Cancel** to abort.

## Un-installing MIDlets/MIDlet suites

You can remove MIDlets/MIDlet suites from your Pocket PC Phone's memory. To do this, ensure that the MIDlets/MIDlet suite is not running.

1. Select the MIDlets/MIDlet suite in the **MIDlet Manager** window and choose **Un-install**.
2. You will be asked to confirm your decision by selecting the **OK** option. The MIDlet is then erased from your device's memory.

You cannot un-install a single MIDlet from a MIDlet suite. You must un-install the complete MIDlet suite.

## To assign a group to a MIDlets/MIDlet suite

1. Tap and hold on a MIDlet you wish and choose **Group** from the pop up menu in the **MIDlet Manager** window.
2. The **MIDlet Manager** window contains a drop down box with a list of group names. Choose one of these and tap **OK**.

You can adapt existing groups to meet your needs. Once a MIDlet has been assigned to a group, that group's name will appear on the **Show** menu, and you can choose any group and view the MIDlets in it.

## System Info

You can see the information about the currently used space of the MIDlets/MIDlet suite you have selected by tapping **Menu > System Info**. If the manufacturer has limited the total storage space for MIDlets, the limit and the amount currently available is also shown.

## Network Type

Tapping **Menu > Choose Network Type** enables you to choose your connection from the available list.

## MIDlet Security

You can adjust security settings for each MIDlets/MIDlet suite by selecting a MIDlet and choosing **Security**. Note that some features may not be available for all MIDlets/MIDlet suites.

Security Option	Description
Net Access	Determines whether a MIDlets/MIDlet suite can access the Internet.
Local Connectivity	Enables a MIDlets/MIDlet suite to access services such as RDA and Bluetooth. Refer to your Pocket PC Phone's manual for the features available on your handset.
App Auto Run	Enables a MIDlets/MIDlet suite to run at specified times, or any time.
Messaging	Determines whether a MIDlets/MIDlet suite can send and/or receive SMS messages.
Multimedia Recording	Enables a MIDlets/MIDlet suite to record sounds and images. Refer to your Pocket PC Phone's manual for the features available on your handset.

## Error Messages

Message	Meaning
Either RAM shortage, or insufficient space on the file system	Insufficient memory available on your Pocket PC Phone.
Network out	No network connection available.
The jar size does not match that specified in the jad	The installation information provided by the MIDlet manufacturer is inaccurate.
The jar manifest does not match the jad	The installation information provided by the MIDlet manufacturer is inaccurate.
Invalid Java application descriptor (jad)	There is a problem with the installation file provided by the MIDlet manufacturer.
Invalid Java archive (jar)	There is a problem with the installation file provided by the MIDlet manufacturer.
This Java application is not compatible with this device	One of more features required by this MIDlet is not available on your Pocket PC Phone.



# Chapter 10

## Using Camera and Album

**10.1 About Camera and Album**

**10.2 Camera**

**10.3 Album**



## 10.1 About Camera and Album

With **Camera Wizard**, you can use the attached camera on the back of your device to snap new photos or shoot video clips with accompanying audio. **Album** provides many powerful features to manage, organize, and manipulate the image, video, and audio files.

When in **Photo Capture mode**, you can capture standard still images. In **Video** or **MMS Video Capture mode**, you can capture "live" video streams (with audio if desired), then share them with others or play them on your own Pocket PC Phone, or desktop PC. In **Contact Photo Capture mode**, you can capture images for your contacts. Or, in **Picture Theme Capture mode**, you can place your captured images into attractive frames (templates). You can even send the captured files via **E-mail**, or via **MMS**. Just **Snap and Send** a newly-captured image, or **Select and Send** an existing image.

Of course, you can also get image, video, and audio files from received **E-mail**, a **Storage Card**, **infrared beaming**, or synchronized from a PC via **ActiveSync**, and organize them into albums and Slide Shows.

### File formats supported

File formats that you can browse and view / play in **Album** include:

File Type	Formats
<b>Still-image formats</b>	<b>BMP</b> <b>GIF</b> <b>JPEG</b>
<b>Animation format</b>	<b>Animated GIF</b>
<b>Video formats</b>	<b>Motion-JPEG AVI</b> (.avi) <b>MPEG-4 Simple profile</b> (.mp4) <b>3GPP-H.263 baseline</b> (.3gp)
<b>Audio formats</b>	<b>MPEG-4 AAC</b> (Advanced Audio Coding in .mp4 format) <b>WAV</b> <b>MIDI</b> (standard MIDI type 0, 1, and SP-MIDI)



NOTE: You can set an audio file to be used as your Pocket PC Phone's ring tone. For more information about ring tone settings, please see **Chapter 5**.

File formats that **Camera** supports includes:

File Type	Formats
<b>Still-image</b> formats	<b>BMP</b> <b>JPEG</b>
<b>Video</b> formats	<b>Motion-JPEG AVI</b> (.avi) <b>MPEG-4 Simple profile</b> (.mp4)
<b>MMS Video</b> formats	<b>3GPP-H.263 baseline</b> (.3gp) <b>MPEG-4 Simple profile</b> (.mp4)

## 10.2 Camera

There are two ways to enter the **Camera** mode :

- Tap the **Start** menu > **Programs** > **Camera**.
- Or just press the uppermost button on the left side of your device.

When you initially enter **Camera** mode, the **Photo Capture** mode will be active. The title at the right lower side of the **LCD Display** area indicates the current mode. After starting one capture mode, you can easily switch to another, if desired.

Capture mode	Function
<b>Photo</b>	capture still images
<b>Video</b>	capture video clips
<b>MMS Video</b>	capture video clips and send via MMS
<b>Contact Photo</b>	take a photo to be used as a Photo ID for a contact entry
<b>Picture Theme</b>	capture still images and place in frame

## Usage of Buttons in Camera Mode

When in **Camera** mode, you can press the following buttons on your Pocket PC Phone as a shortcut

### Camera/Capture Button

Press to launch **Camera**.  
Press again to take a picture or to record a video.

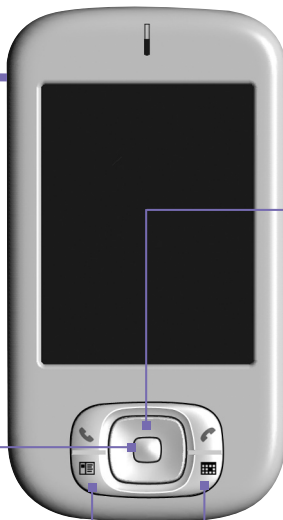
### Capture/Action Button

**Capture** - Press to take a picture in still image capture modes. If in video capture modes, press this button to start recording the incoming video stream, and press it again to stop the recording process.

**Action** - Confirm the selection you made.

### Camera Settings Screen

Press to toggle the **Camera Settings** screen open and closed. If the screen is open and you have made changes to the settings, press to save the settings before closing the screen.



**Navigation Pad Up/Down** - Increase/decrease the zoom levels.

**Left/Right** - Switch between capture modes.

### Orientation Toggle

By default, the orientation is in a **Portrait** display. Press this button to change to a **Landscape** orientation.

## Photo Capture Mode

In **Photo Capture** mode, you can capture a single still image by pressing the **Capture** button on your Pocket PC Phone, or the **Action** button on navigation pad. For the information on setting output format, resolution and ambience, please see **Camera Settings Screen** section.

The **Camera** automatically calculates the number of photos you can capture, based on the current settings and the space available. In this example, 5019 more photos can be captured. The counter updates automatically after a photo taking or the capture size changing.

This icon indicates a ready state. It changes to a red dot during image capture

**Capture Sizes** are:

- XL = Extra Large (960x1280)
- L = Large (480x640)
- M = Medium (240x320)
- S = Small (120x160)

The current capture size is small.

The current **Ambience** setting is shown at this position. This icon indicates it has been set to **Daylight**.

The current zoom is 4x, indicating viewing 4x of normal size.

Incoming video stream is shown using the entire Pocket PC Phone screen. (Icons superimposed on the screen are not saved with your captured images/videos.)

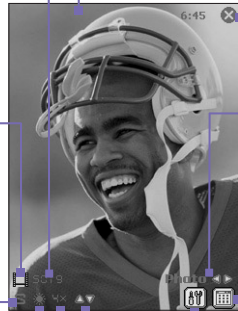
Exits **Camera** mode and returns to the previous screen.

The word **Photo** indicates that you are currently in **Photo Capture** mode. Tap the left or right arrow icon to change capture mode.

Tap to switch to **Thumbnail View of Album** mode.

Tap to open the **Camera Settings** screen.

Tap the upward-pointing triangular icon to **Zoom IN**, or the downward-pointing triangular icon to **Zoom Out**.



**NOTE:** Most of the settings in the **LCD Display Panel** can be changed using the **Camera Settings** screen. Tap on the **Camera Settings** icon to display the **Camera Settings** screen (explained later).

## Video Capture Mode

To start video recording :

1. Switch to **Video Capture** mode by tapping ◀ or ▶ icons, or using **Left/Right** navigational pad.
2. Press the **Action** button, or the **Capture** button on the left side of your Pocket PC Phone.

To stop recording, press **Action** or **Capture** button again. The first frame of the newly-captured video file will be displayed, and Review Screen described earlier will be available. Output format is either **Motion-JPEG AVI** or **MPEG4**, based on the **Camera Settings**.

The **Camera** automatically calculates the available duration for a video recording, based on the current settings and the space available. When recording in progress, it changes to recording timer. **Camera** automatically updates the available duration after a video taking or the capture size changing.

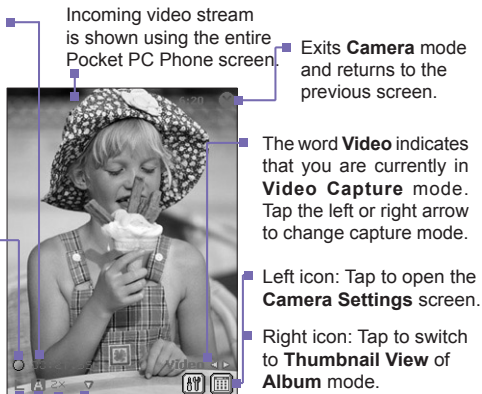
The green “filmstrip” icon indicates the camera is in idle/ready state. A blinking red circle indicates recording in progress.

In this example, recording has been in progress for a duration of 21.55 seconds thus far.

**Capture Sizes** are:

- L = Large (240x320)
  - M = Medium (144x176)
  - S = Small (96 x128)
- The current size is large.

The current **Ambience** setting is shown at this location. This icon indicates it has set to **Auto**.



Tap the upward-pointing/downward-pointing triangular icons to **Zoom In/Out**.

The current zoom is 2x, indicating viewing 2x of normal size

## MMS Video Capture Mode

The **MMS Video** capture mode is convenient if you want to capture a video file and then send it via MMS.

To start the video recording, press the **Action** button, or the **Capture** button on the left side of Pocket PC Phone. To stop recording manually, press the **Action** or **Capture** button again.

### Capture Sizes for MPEG-4 video format are:

- L= Large (240 x 320)
- M= Medium (144 x 176)
- S= Small (96 x 128)

This example is medium size.



In this example, **MPEG-4** is selected as the Capture Format. When recording in **MPEG-4**, you have a choice of either Portrait or Landscape orientation. Portrait orientation is shown here.

**Ambience** has been set to **Auto**.

When you select H.263 as the **Capture Format**, only **Landscape orientation** is available.

### Capture Sizes for H.263 video format are:

- M = Medium (176 x 144)
- S = Small (128 x 96)





This example is medium size.



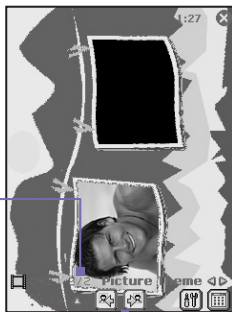
## Picture Theme Capture Mode

The **Picture Theme Capture** mode lets you choose a template in which your captured still image(s) will be placed. You can think of a template as a kind of frame in which you would insert a photograph. Several templates are included with **Camera Wizard**, in the subfolder named **\My Documents\Templates\**.

To browse and select different templates, do one of the following:

- Tap   buttons to display the previous or next template.
- Tap  to select a template from the Template field.
- Tap , then tap **Browse...** button to display detailed information of templates. Tap **Previous** or **Next** button to browse the selection under the current folder. To change the folder, tap **Change...** button.


This example template requires two captured images. "2/2" indicates that one image has already been captured.



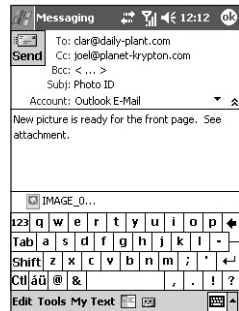
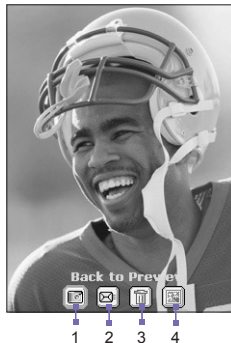
Tap these icons to browse templates.

## Review Screen

If the **Review after capture** checkbox is currently checked in the **General** tab of **Options** screen, then immediately after you capture an image, it will be displayed on the screen along with four icons.

1. To return to the previous screen, tap the **Camera** icon.
2. To immediately send a captured image/video, tap the mail icon then select an option from the **Send File** dialog box. In the Contact Photo mode, display  instead. Tap this icon to assign the captured image to a contact.
3. To delete the image press the rubbish bin option.
4. To view and edit the picture tap, the **Album** icon (for edit options see *Album*.)

Review Screen:



## Send via MMS

The MMS composer screen will open, with the newly-captured file already attached. Simply compose the **MMS** message as you normally would and send.

## Send via E-Mail

This command invokes the compose screen of **Inbox**, with the newly-captured file already attached. Just compose and send the E-mail as you normally would.

## Zooming In/Out


In all modes, you can press the **Up** navigational button on your Pocket PC Phone to **Zoom In** the incoming video stream. Each time you press the **Up** button, the enlargement doubles. When the zoom reaches its limit, a **beep** will sound.

Maximum zoom limit is different for each capture mode and capture size. The table below summarizes the Zoom function availability.

Capture Mode	Capture Size Setting	Zoom Available
<b>Video and MMS Video</b>	Large (240 x 320)	1.0x to 2.0x
	Medium (144 x 176)	1.0x to 4.0x
	Small (96 x 128)	1.0x to 4.0x
<b>Photo and Contact Photo</b>	XL (960x1280)	1.0x (no zoom available)
	Large (480 x 640)	1.0x to 2.0x
	Medium (240 x 320)	1.0x to 4.0x
	Small (120 x 160)	1.0x to 8.0x
<b>Picture Theme</b>	Determined by the current template.	Depends on the size of the currently loaded template.
Notes: ■ <b>MMS Video Capture</b> mode in <b>H.263</b> file format only has Medium and Small sizes. ■ <b>1x</b> = normal size (no zoom) <b>2x</b> = double enlargement <b>4x</b> = quadruple enlargement <b>8x</b> = octuple enlargement		



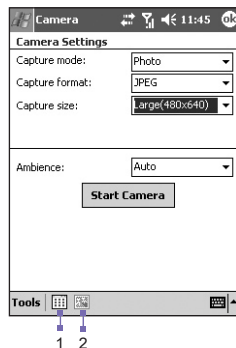
## Camera Settings Screen

When in any of the capture modes (**Photo**, **Video**, **MMS Video**, **Contact Photo** or **Picture Theme**), you can tap  to display the **Camera Settings**. Or, you can press the **Contacts** button at lower left of the front of your Pocket PC Phone.

NOTE: The **Capture Size** is not available in **Picture Theme Capture** mode. It is replaced by **Template** drop-down list and the **Browse...** button.

Icons on the menu bar are:

1. Switches to the **Thumbnail View** of **Album** mode.
2. Switches to the **Detailed View** of **Album** mode.




Settings	Explanation
<b>Capture Mode</b>	Select a mode - <b>Photo</b> , <b>Video</b> , <b>MMS Video</b> , <b>Contact Photo</b> or <b>Picture Theme</b> .
<b>Capture Format</b>	The choices for <b>Capture Format</b> will be different based on capture modes.
<b>Capture Size</b>	The choices for <b>Capture Size</b> will be different based on capture modes. Higher <b>Capture Size</b> settings produce larger file sizes.
<b>Ambience</b>	A list of lighting conditions that lets you adjust the <b>Capture</b> screen to look its best in various environments.  There are also options that affects the appearance of the incoming video stream: <b>Grayscale</b> (black and white), <b>Sepia</b> (reddish tint), <b>Cool</b> (bluish tint), and <b>Negative</b> (darkness and lightness reversed).

## Tools Menu

The **Tools Menu** provides many more settings that let you customize the behavior of **Camera** mode functions

### Adjust...

**Adjust...** enables you to adjust the display properties: **Contrast**, **Brightness**, **Saturation**, **Hue**, and **Sharpness**.

To open **Adjust...** screen, tap  > **Tools** > **Adjust...**

To adjust a display property: select a property from **Property** field and use the **Slider Bar** to adjust the value.

NOTE: The incoming video stream displayed on your screen will immediately show the effect of any changes you make.

To use original default values, tap **Reset** button

### Options...

The **Options** screen contains three tabs: **General**, **Image**, and **Video**.

#### a) General Tab

The **General** tab includes the following options:

- **Disable shutter sound**
- **Keep backlight on while in viewfinder**
- **Review after capture**
- **Flicker adjustment** (Auto, 50Hz, or 60Hz)

NOTE: **Flicker Adjustment** refers to the electrical voltage used in your country.

## b) Image tab

Here are the options that affects on **still image** captures.

Options	Function
<b>Prefix Type and Prefix String</b>	<p>By default, the filename of each new captured image file will be "<b>image</b>" followed by a sequential number, for example: <b>image_00001.jpg</b>. If you wish to change this prefix to a different arbitrary text string, select <b>String</b> in the <b>Prefix Type</b> field and type the desired characters into the <b>Prefix String</b> field. For example, entering "<b>party</b>" in the <b>Prefix String</b> field would produce the filename <b>party_00001.jpg</b>.</p> <p>Alternatively, you can choose <b>Date</b> or <b>Date and Time</b> as the <b>Prefix Type</b>.</p>
<b>Counter Index</b>	<p>By default, sequential numbers are automatically incorporated into each filename for all new image files you capture, such as <b>00001</b>, <b>00002</b>, <b>00003</b>, etc. The number follows the prefix (explained above).</p> <p>To reset the numbering to "<b>00001</b>" for your captured image files, tap <b>Reset counter</b>.</p>
<b>Save to</b>	<p>By default, your captured image files will be saved to your <b>\My Documents\</b> folder.</p>

## c) Video tab

The options on the **Video** tab affect only your captured **video** files.

Options	Function
<b>Prefix Type and Prefix String</b>	<p>By default, the filename of each new captured video file will be “<b>video</b>” followed by a sequential number, for example: <b>video_00001.avi</b>. If you wish to change this prefix to a different arbitrary text string, select <b>String</b> in the <b>Prefix Type</b> field and type the desired characters into the <b>Prefix String</b> field. For example, entering “<b>vacation</b>” in the <b>Prefix String</b> field would produce the filename <b>vacation_00001.jpg</b>.</p> <p>Alternatively, you can choose <b>Date</b> or <b>Date and Time</b> as the <b>Prefix Type</b>.</p>
<b>Counter Index</b>	<p>By default, sequential numbers are automatically incorporated into each filename for all new video files you capture, such as <b>00001</b>, <b>00002</b>, <b>00003</b>, etc. The number follows the Prefix (explained above). To reset the numbering to “<b>00001</b>” for your captured video files, tap <b>Reset counter</b>.</p>
<b>Recording with Audio</b>	<p>When this checkbox is checked, audio will be recorded with your captured video clips. It is checked by default. Any videos captured when the checkbox is not checked would be silent (no accompanying audio).</p>
<b>Save to</b>	<p>By default, your captured video files will be saved to your <b>\My Documents\</b> folder.</p>

## 10.3 Album

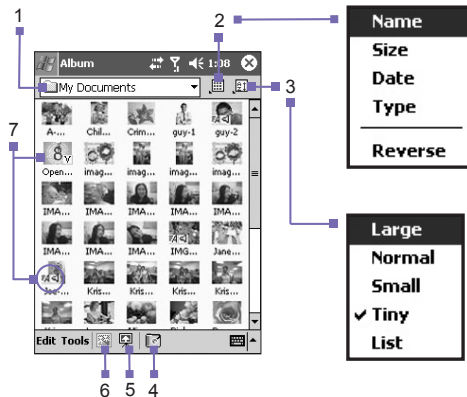
**Album** allows you to view image and video files, and play audio files. Four view modes are available: **Thumbnail**, **Detailed**, **Slide Show**, and **Full Screen**.

To start **Album**:

- Tap the **Start** menu > **Programs** > **Album**.
- Tap the **Album** icon in the **Camera** screen.

### Thumbnail view

The first time you enter **Album**, the **Thumbnail** view mode will be invoked. By default, your **My Documents\My Pictures** folder will be initially searched. You can manually change the position of a thumbnail simply by pressing your stylus on it and then dragging it to the desired location. To select multiple thumbnails, press your stylus in an empty part of the screen, then drag your stylus across all thumbnails you want to include in the multi-selection.



1. The current folder is shown here. Tap this field if you want to switch to a different folder.
2. Tap to select a different thumbnail size.

3. Tap to change the way thumbnails are sorted.
4. Tap to switch to **Camera** mode.
5. Tap to switch to **Slide Show** view.
6. Tap to switch to **Detailed** view. (Or, tap directly on a thumbnail to load that file into **Detailed** view.) Audio or video files will begin playing.
7. An icon in the lower left or right corner of a thumbnail indicates the following:
  - Ⓐ - indicates that text annotation has been associated with this file.
  - G - indicates an animated **GIF** file.
  - V - indicates a video file.
  - 🔊 - this speaker icon indicates that audio annotation has been associated with this file.

To open a pop-up menu that contains frequently used

commands, tap and hold your stylus on the thumbnail you want to operate on. To view an image in an enlarged view, or to play a video or audio file, tap the desired thumbnail.

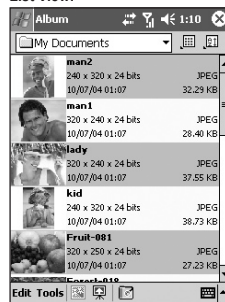
## To make an annotation on your file:

The **Annotate...** command lets you add and remove text or audio annotation for a file. The particular text and audio recording can then be set to display or play during a slide show. In the **Thumbnail view** mode screen, tap on **Edit** and then select **Annotate...**, or select it from the pop-up menu.




### To make a text annotation:

If you wish to associate text with the file, enter it in the text box. After text annotation has been added, Ⓐ will be shown on the file in the thumbnail. A separate text file will be created for that text.

List View:



### To make an audio annotation:

To create an audio recording (either voice or music) as an annotation using your built-in Pocket PC Phone microphone, tap  to begin recording, tap  to stop recording. After audio annotation has been added,  will be shown in the thumbnail. A separate .WAV audio file will be created.

There is no warning when you record over an existing file. Your previous recording will be overwritten by the new recording. If you have tapped **Remove Voice** by accident, tap **Cancel**.

NOTE: You cannot record an audio annotation for a video file that has sound. This function is automatically disabled when you work with a video file with sound.

### Sending a file via E-mail or MMS

1. Select the desired file, tap **Tools**, and then select **Send via MMS** or **Send via E-mail...** from the menu.
2. Follow the relevant procedures for sending that type of message.

### To set audio files as Ringtones:

Select the desired audio file, then select **Set as Ringtone** from the **Tools** Menu (or the menu that pops up when you tap and hold on a thumbnail). The previous ringtone will be immediately replaced. A message will display the filename and confirm that the operation was successful.

### Assign to Contact

This command allows you to assign an image as a **Photo ID** to a **Contact** entry in your **Pocket Contacts**.

1. Choose the image you want to use as a **Photo ID**.
2. Select **Assign to Contact**. The **Photo Contacts** application will be invoked. The Contact entries in your Pocket Contacts will be displayed.

3. Select the Contact entry to which you want to assign the **Photo ID**, and assign the desired attributes as you normally would in **Photo Contacts** (Photo only, or photo with template, etc.).
4. The **Photo Contacts Preview** screen will show you a preview of how the **Photo ID** setup looks. After you save it, **Photo Contacts** will exit, and you will automatically be returned to the **Album** program.

## Connect

This command is available on the Tools menu when in **Thumbnail View** only. It allows you to connect to a server with media content via the Internet, and play the streaming media. After selecting **Connect...** on the **Tools** menu, enter the desired URL in the "rtsp:///" field provided, then tap OK. If the connection is made successfully, the media will be played immediately in the **Detailed View** mode.

## Options

To change the **Album** settings, tap **Options** on the **Tools** menu. Four tabs are available: **General**, **Association**, **Slide Show**, and **Network**.

### a) The General tab

Following tables are the options in the General tab:

Function	Explanation
<b>Default zoom</b>	The setting in the <b>Default zoom</b> field controls the size of the selected file when it is initially displayed in <b>Detailed View</b> . If set to <b>Smart</b> , <b>Album</b> will automatically calculate the best size in which to display the file on the screen. However, if you want files to initially display in their original size, select <b>Original size</b> from the drop-down list box. If you want <b>Camera</b> to automatically display selected files so that they fit within the screen, select <b>Fit to window</b> .



<b>Full screen rotate</b>	If <b>None</b> is selected, no automatic rotation will take place when a file is displayed in <b>Detailed View</b> (but you can still rotate the display manually using the <b>Rotate Clockwise</b> and <b>Rotate Counterclockwise</b> icons on the toolbar in <b>Detailed View</b> ). Select <b>Left</b> to automatically rotate images 90 degrees to the left in <b>Detailed View</b> , or <b>Right</b> if you want to rotate 90 degrees to the right.
<b>Animation speed</b>	The setting in the <b>Animation speed</b> field controls the speed at which animated GIF files are played. By default, this is set to <b>Normal</b> . You can select <b>Faster</b> , <b>Slower</b> , or <b>No Delay</b> from the drop-down list.
<b>Keep backlight on while playing video</b>	If you have set your <b>Backlight</b> to dim after a certain number of seconds, you can override it by checking this checkbox. This ensures that the <b>Backlight</b> will not dim during the video playbacks.
<b>Keep system powered on during video and audio playback</b>	Overriding your system's power settings ensures that the system will not automatically power off your device whenever a video playback or audio playback is in progress.
<b>Adjust Gamma</b>	The <b>Adjust Gamma</b> setting controls image brightness/darkness. The minimum setting of 0.01 will cause images to display very dark. The maximum setting of 3.00 will cause them to display very light ("wash out"). If you change this setting, you can conveniently reset it to 1.00 by tapping the <b>Reset</b> button. This feature assists you in viewing an image more easily under different lighting conditions.

## The Association tab

You can associate any or all of the supported file types with **Album**. When selecting a file of the associated type in the **File Explorer**, it will automatically open using **Album**.

## The Slide Show tab

These settings control only the behavior of **Slide Show** view mode. These options are mostly self-explanatory, just choose the item you need and follow the relevant procedures for the way you want the **Slide Show** to work.

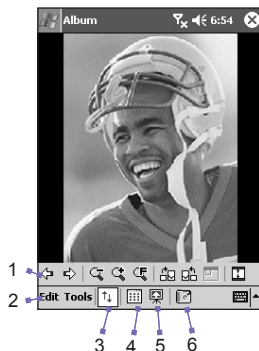
## The Network tab

The settings in this tab are used in conjunction with the **Connect...** command on the **Tools** menu. From the drop-down list in the **Connect via** field, specify the network to be used in conjunction with the Tool Menu's **Connect...** command. In **UDP port range**, the values in these two fields refer to the range of the protocol used to transfer data through the Internet. These are already assigned to the optimal values by your operator and normally will not be changed.

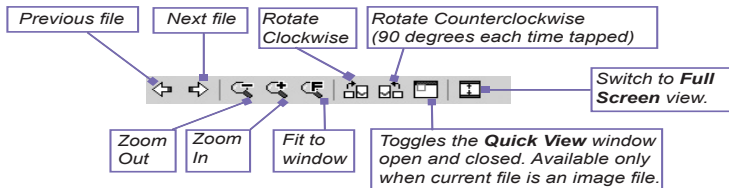
## Detailed View Mode

**Detailed View** mode displays the selected file in an enlarged view, and you can further manipulate the view in various ways (zoom, rotate, pan, etc.).

1. **Toolbar.**
2. **Command Bar.**
3. Hide or display the **Toolbar**.
4. Switch to **Thumbnail** view.
5. Switch to **Slide Show** view.
6. Switch to **Camera** mode.



## Icons on the Toolbar



NOTE: **Full Screen View** will hide the Title Bar, Toolbar, and Command Bar, so the full screen is utilized for image/video display.

## Images too big for the screen

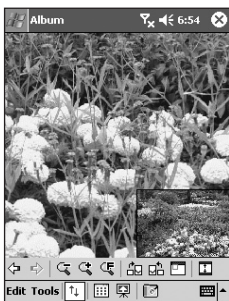
1. Whenever the image is too large to be shown in the display area in its entirety, you can press your stylus anywhere in the display area and drag to interactively **quick-pan** the image to any desired position.
2. Alternatively, you can open the **Quick View** window, by tapping the **Quick View** icon on the **Toolbar**. The dotted outline within the **Quick View** window shows the currently displayed portion, in relation to the entire image. Drag the outline within the **Quick View** window to the desired position, or tap within the **Quick View** window to jump the outline to a different position. When satisfied with the position, tap the **Quick View** icon again to close the **Quick View** window.

## To set as Today wallpaper:

This command allows you to change the background image of the Today screen on your Pocket PC Phone to any image you want.

1. In **Album**, tap to open a video file or image you want to use as the image for the wallpaper.

- If desired, you can manipulate it in any way you wish: **Zoom In** or **Out**, **Rotate**, **Pan**, etc. The exact state of the image as displayed on your screen will be used as the **Today** screen image. Likewise, if you have chosen a video file and do not wish to use the first frame of the video as the wallpaper, you can start playing the video and then open the **Tools Menu** at the frame you want to use. (The video is paused when the menu is open.)
- Select **Set as Today Wallpaper**. The message “**The ‘Today’ background image has been successfully changed**” will display.



### To Reset the Today Screen back to the Default Wallpaper:

If you later decide that you want to re-set the **Today** screen back to the original default background:

- Tap the **Start** menu > **Settings** > **Today** icon in the **Personal** tab.
- Select **Windows Default** in the list, then make sure the **Use this picture as the background** checkbox is checked.
- Tap **OK**.

## Slide Show View

When in the **Thumbnail** view or **Detailed** view, you can tap the icon in the **Command Bar** to enter **Slide Show** mode.

Tap to re-display the previous file. Tap repeatedly to quickly **Rewind** to the desired file. (The three leftmost icons become available after **Stop** has been tapped.)

Tap once (or repeatedly) to **Fast Forward** to the next sequential files.

Tap to resume playing a **Slide Show** that has been stopped.

Tap to stop playback and stay on the current slide, but does not exit the **Slide Show** mode.

**Slide Show** Properties. Lets you set **Transition Effects**, **Rotation**, **Text display**, **Audio**, **Delay Time** between slides (for image files), **Random** or forward-sequential display, etc. in the **Slide Show Options** screen.

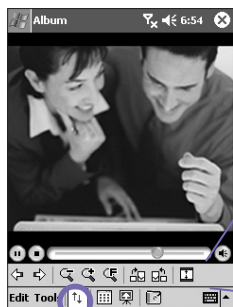


Exits the **Slide Show** and enters the **Detailed** view.

Exits **Slide Show** mode and enters **Thumbnail View** mode

## Full Screen View Mode

You can enter the **Full Screen View** only from the **Detailed View**. In the **Detailed View** mode, simply tap the **Full Screen** icon on the **Toolbar** to switch to **Full Screen**.



Tap to switch to Full Screen View mode.

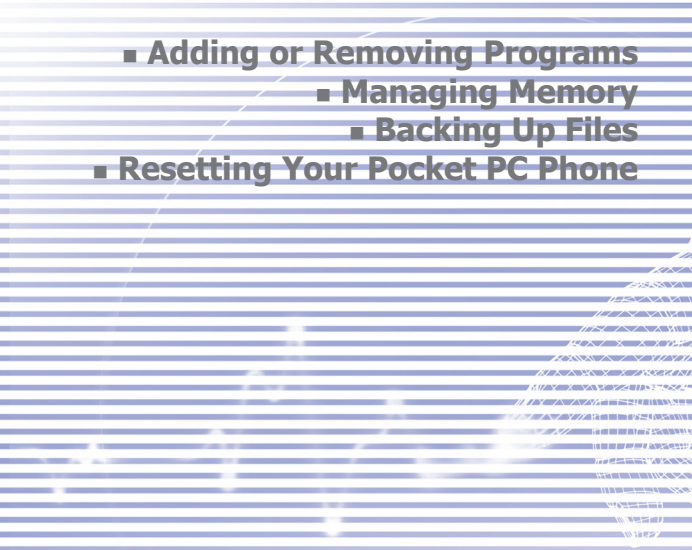


As with the **Detailed View**, if the image or video is currently displayed in a size that is too large to fit in its entirety on the screen, you can “pan” the desired portion into view by pressing and dragging your stylus on the screen.

When you are ready to exit the **Full Screen View**, tap anywhere on the screen to display the **Toolbar**. Tap the left most icon to exit. If no action is taken, the **Toolbar** will automatically disappear again after a few seconds.

# Appendix A

## Maintaining your Pocket PC Phone

- Adding or Removing Programs
    - Managing Memory
    - Backing Up Files
  - Resetting Your Pocket PC Phone
- 

## Adding or Removing Programs

By default, programs added to your device at the factory are stored in the ROM (read only memory). You cannot remove these programs, and you will never accidentally lose them. You can install any other programs created for your device, as long as your device has enough memory. The most popular web site to find software for Pocket PC Phone devices is <http://www.microsoft.com/mobile/pocketpc>.

### To add programs using ActiveSync:

You will need to save the appropriate software to the hard drive of your PC before installing it on your device.

1. Download the program to your PC (or insert the CD or disk that contains the program into your PC). Be sure that the program is compatible with your Pocket PC Phone before installing it.
2. Read any installation instruction or documentation that came with the program. Many programs provide their own installation instructions.
3. Connect your device to a PC.
4. Double click on the program's .exe file.
  - If the file is an installer, the installation wizard will begin. Follow the directions on the screen. Once the software has been installed on your PC, the installer will automatically transfer the software to your device.
  - If the file is not an installer, you will see an error message stating that the program is valid but was designed for a different type of PC. You will need to move this file to your device. If you cannot find any installation instructions for the program in the Read Me file or documentation, use the **Explore** command in **ActiveSync** to explore the program file to the **Program Files** folder on your device.

Once installation is completed, tap the **Start** menu > **Programs** > program icon.



## To add a program directly from the Internet:

1. Determine that your device and processor type meets the requirement of the software that you want to install.
2. Download the program to your device directly from the Internet using **Pocket Internet Explorer**. You should see a single \*.xip, \*.exe or \*.zip file, a **setup.exe** file, or several versions of the files for different device types and processors. Be sure to select the program designed for the Pocket PC Phone.
3. Read the installation instructions, readme files, or documentation that came with the program.
  4. Tap the file, such as a \*.xip or \*.exe file. The installation wizard will begin. Follow the directions on the screen.

## To remove a program:

Tap the **Start** menu > **Settings** > **System** > **Remove Programs**.

You can only remove programs installed in storage memory. Programs that came with your device cannot be removed. You can quickly return your device to the factory default configuration by clearing all memory. All data, except the installed ROM application, will be lost.

## Managing Memory

Memory on your Pocket PC Phone is shared between the storage memory and the program memory. Storage memory is used to store the information you have created and the programs you have installed. Program memory is used to run programs on your Pocket PC Phone. The Pocket PC Phone automatically manages the allocation between the storage memory and the program memory.

### To view memory allocation and availability:

Tap the **Start** menu > **Settings** > the **System** tab > **Memory**.

### Finding space in storage memory

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

### Move data to a SD storage card

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

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

## Move E-mail attachments

1. Tap **Messaging** > **Tools** > **Options**.
2. On the **Storage** tab, select **Store attachments on storage card**, and then tap **OK**. All existing and future attachments will be automatically stored on the storage card.

## Save new items on a storage card

Set programs such as **Notes**, **Pocket Word**, and **Pocket Excel** to automatically save new items on the storage card.

1. In **Notes**, **Pocket Word**, or **Pocket Excel** > **Tools** > **Options**.
2. In the **Save to:** field select **Storage Card**.

## Delete unnecessary files

1. Tap the **Start** menu > **Programs** > **File Explorer**.
2. Tap and hold the file, and then tap **Delete** on the pop-up menu.

To find your largest files, tap the **Start** menu and then **Find**. In the **Type** list, tap **Larger than 64 KB**, and then tap **Go**.

## Delete all files and clear the history in Internet Explorer:

From **Internet Explorer** > **Tools** > **Options** > the **Memory** tab > **Delete Files** > **Clear History**.

## Backing Up Files

Because any new programs or data are stored in RAM, and therefore will be lost if your device loses power for any reason, it is critical that you back up the device's files to your PC or a **memory card**. You can back up files by synchronization while working on a PC. However, if you are unable to access your PC, you will need to back up files to a SD or MMC card. Your device enables you to back up individual files in **Word** or **Excel**. All files could be saved on a SD. Furthermore, you can also back up and restore **Contacts**, **Calendar**, **Internet** and **Messaging** Settings.

### SD and MMC Cards

Your device has an expansion slot compatible with a range of SD and MMC Memory cards, which are primarily used to back up or transfer files and data.

#### To insert a memory card:

Push the memory card into its slot until it clicks into place. The card is secure when it is not protruding from the base.

#### To remove a memory card


To remove the card, push it in and then release, letting the card spring out.

### Backing up or restoring your system using xBackup:

1. Tap the **Start** menu > **Programs** > **xBackup** > then the **Backup** or **Restore** tab.
2. If you have inserted the SD card properly, it will appear next to **Target**. Tap **Open** and select **Storage Card** under the task bar.
3. Make sure that no applications are running, tap **Start**.

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## Backing up or restoring your system via ActiveSync

1. Double click on  in the task bar of your PC.
2. Select the **Backup/Restore** option in the drop-down menu of **Tools** in **ActiveSync**.
3. Select the **Backup** tab to back up your system. If necessary, select the **Restore** tab to restore your system.

## Resetting Your Pocket PC Phone

You can perform a **soft reset** or a **full reset**. During a **soft reset**, the device is restarted and only some data in opened programs may be lost. However, a **full reset** turns the battery off, returns the device to its original factory settings, and deletes all programs, files, contacts and other information you have saved to the device. Therefore, it is extremely important to back up data to a storage card or your computer on a regular basis in the event that a **full reset** has to be performed.

### To perform a soft reset

If your Pocket PC Phone responds slowly, stops responding, or freezes, you can **soft reset** it. A **soft reset** causes the Pocket PC Phone to restart and re-adjust memory allocation. Unsaved data in any opened applications may be lost. Use the stylus to press and hold the **Reset** button, as shown on the next page.



### To perform a full reset

A full device reset clears memory, deletes all data and restores the Pocket PC Phone to its default settings. Programs installed at the factory remain, erasing all data that you have created and programs you have installed. Press and hold the **power button**, and then use the stylus to press the **soft reset button** at the same time. Be sure you have backed up all your data in a SD card or on your PC before performing a full reset.



# Appendix B

## Regulatory Notices

- Regulatory Agency Identification
  - European Union Notice
- FCC Compliance Statement
- Important Health and Safety Information
  - Troubleshooting

## Regulatory Agency IDs

For regulatory identification purposes your product is assigned a model number **PM10C**.

The following accessories have been approved for use with your device. Their assigned model numbers listed below can identify these approved accessories. To ensure continued reliable and safe operation of your Pocket PC Phone, use only the accessories listed below with your **PM10C**.

Accessories	Model Number
Cradle	PM15x

The above x may be any alphanumeric character or blank denoting external cosmetic changes.

This product is intended for use with certified Class 2 Limited Power Source, rated 5 VDC, maximum 2A power supply unit.

## European Union Notice

Products with CE marking comply with the R&TTE Directive (1999/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms (in brackets are the equivalent international standards):

- **EN 60950 (IEC 60950)**  
Safety of Information Technology Equipment.
- **ETSI EN 301 511**  
Global system for mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements of article 3.2 of the R&TTE directive (1999/5/EC).



- **ETSI EN 301 489-1**  
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.
- **ETSI EN 301 489-7**  
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard 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**  
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.
- **ETSI EN 300 328**  
Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques.
- **GSM11.10**
- **ANSI/IEEE C.95.1-1992**  
Specific absorption rate in mobile phone emission condition for body health
- **EN50360, EN50361 for SAR**

## FCC Compliance Statement

- **FCC part 15, 22 and part 24**

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

- **FCC ID : NM8MAGICIAN**

- **Statement according to FCC part 15.105**

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

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**

- **Consult the dealer or an experienced radio/TV technician for help.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**
- **RF EXPOSURES**

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone during operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements may differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only High Tech Computer, Corp. approved accessories. When carrying the phone while it is on, use the specific High Tech Computer Corp. supplied or approved carrying case, holster, or other body-worn accessory.

Use of non High Tech Computer Corp. approved accessories may violate FCC RF exposure guidelines and should be avoided.

## Important Health and Safety Information

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

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

### General Precautions

#### ■ Heed service markings

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

#### ■ Damage requiring service

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

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

#### ■ Avoid hot areas

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

#### ■ Avoid wet areas

Never use the product in a wet location.

#### ■ Avoid pushing objects into product

Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.

#### ■ Mounting Accessories

Do not use the product on an unstable table, cart, stand, tripod, or bracket. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

- **Avoid unstable mounting**

Do not place the product with an unstable base.

- **Use product with approved equipment**

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

- **Adjust the volume**

Turn down the volume before using headphones or other audio devices.

- **Cleaning**

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

## Safety Precautions for Power Supply Unit

- **Use the correct external power source**

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

- **Handle battery packs carefully**

This product contains a Li-ion Polymer battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack.

Do not disassemble, crush, puncture, short external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 60°C (140°F).



Li-ion

**Warning:** DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. TO REDUCE RISK OF FIRE OR BURNS, DO NOT DISASSEMBLE, CRUSH, PUNCTURE, SHORT EXTERNAL CONTACTS, HEAT ABOVE 60°C (140°F), OR DISPOSE OF IN FIRE OR WATER. REPLACE ONLY WITH SPECIFIED BATTERIES. RECYCLE OR DISPOSE OF USED BATTERIES ACCORDING TO THE LOCAL REGULATIONS OR REFERENCE GUIDE SUPPLIED WITH YOUR PRODUCT.

## Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992.
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986.
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996.
- Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

## SAR Information

- **SAR** : 10g @ **0.413** mW/g (Europe); 10g @ **0.773** mW/g (Taiwan).  
10g @ **0.413** mW/g (Australia); 1g @ **0.740** W/kg (USA).

THIS MODEL DEVICE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with an accessory that contains no metal, and that positions the antenna of the GSM phone a minimum of 1.0 cm from the body. The SAR values of this GSM phone are 0.740 W/g (body) and 0.532 W/g (head). Use of other accessories may not ensure compliance with the FCC RF exposure guidelines.



The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: NM8MAGICIAN. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at <http://www.devicefacts.net>.

\* In the U.S. and Canada, the SAR limit for mobile GSM phones used by the public is 1.6 Watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in usage.

# Troubleshooting

If you still encounter problems after reviewing this troubleshooting guide, contact your mobile operator or an authorized **Technical Support** center in your area.

## Operating Problems

Problem	Solution
<ul style="list-style-type: none"><li>■ My Pocket PC Phone keeps turning itself off.</li></ul>	<p>Your Pocket PC Phone is designed by default to turn itself off if not used for 3 minutes. This period can be adjusted to a maximum of 5 minutes. Refer to the <b>Power</b> setting in Chapter 5 for more information.</p>
<ul style="list-style-type: none"><li>■ My Pocket PC Phone is not making any sound.</li></ul>	<ol style="list-style-type: none"><li>1 Tap  at the right side of the Title Bar to check the volume status.</li><li>2 Check the settings of <b>Sound and Notifications</b> on the <b>Personal</b> tab by tapping the <b>Start</b> menu &gt; <b>Settings</b>.</li></ol>
<ul style="list-style-type: none"><li>■ My Pocket PC Phone does not vibrate when the phone rings or alarms occur.</li></ul>	<ol style="list-style-type: none"><li>1 Tap  at the right side of the Title Bar to check if the vibrate function is activate.</li><li>2 Check the settings of <b>Sound and Notifications</b> on the <b>Personal</b> tab by tapping the <b>Start</b> menu &gt; <b>Settings</b>.</li><li>3 Check the event note in your <b>Calendar</b> to see if the <b>Reminder</b> has been activated.</li></ol>
<ul style="list-style-type: none"><li>■ The screen freezes or the device is not responding.</li></ul>	<p>Reset your device. See the <b>Resetting your Pocket PC Phone</b> in Appdendix A.</p>

### Problem

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- The screen is dark.
  
- A **Running out of memory** warning message pops up on the screen.
  
- The **Battery low** warning message pops up on the screen.
  
- The screen is hard to read, or the text on the screen is too small for you.

### Solution

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- 1 Check the **Brightness** setting by tapping the **Start** menu > **Settings** > the **System** tab > the **Backlight** > **Brightness** tab.
- 2 Prolonged exposure to direct sunlight may also cause your Pocket PC Phone screen to temporarily darken. This is normal for LCD screens and is not permanent.

Memory on your Pocket PC Phone is shared between **storage** memory and **program** memory:

- 1 Delete any unnecessary information you have entered to release more **storage** memory space.
- 2 Delete the unnecessary programs you have installed to release more **program** memory space.

See the *Managing Memory* section in Appendix A.

Plug the AC power in to your device to charge it.

If you are having a hard time viewing a document in **Notes**, try changing the size of the view by tapping a zoom percentage on the **Tools** menu.

- 1 For **Pocket Word** and **Pocket Excel**, on the **View** menu, tap **Zoom** and then select a zoom percentage.
- 2 For **Pocket Internet Explorer**, on the **View** menu, tap **Text Size** and then select a size.
- 3 For **Pocket Outlook** data, try enlarging the display font. To do this within **Calendar**, **Tasks** or **Contacts**, tap **Tools**, then **Options**, and then select **Use large font**.



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## Tapping and Writing Problems

<u>Problem</u>	<u>Solution</u>
■ Device buttons do not re-pond, or bring up the wrong program.	Check the <b>Buttons</b> setting to see if the program assignment for each function button is set as you wanted. Tap the <b>Start</b> menu > <b>Settings</b> > the <b>Personal</b> tab > <b>Buttons</b> . For detailed information about <b>Button settings</b> , see Chapter 5.
■ Inaccurate response to stylus taps.	Adjust the touchscreen to respond more accurately to screen taps. Tap the <b>Start</b> menu > <b>Settings</b> > the <b>System</b> tab > <b>Screen</b> > <b>Align Screen</b> .
■ Pocket PC Phone does not recog-nize handwriting.	For your Pocket PC Phone to recognize your handwriting input with the stylus, you need to use <b>Transcriber</b> writing. To learn how to write in <b>Transcriber</b> , see Chapter 2.

## ActiveSync Problems

Problem	Solution
■ ActiveSync operation cannot be performed or connected.	<ol style="list-style-type: none"><li data-bbox="437 238 959 288">1 Make sure the ActiveSync cradle/cable is connected securely.</li><li data-bbox="437 292 959 342">2 Make sure you have installed the <b>ActiveSync software</b> included on the <b>Companion CD</b>.</li><li data-bbox="437 347 959 430">3 Make sure you selected the appropriate local <b>USB</b> from <b>File Menu Connection Settings</b> in the <b>ActiveSync Manager</b> window on your desktop computer.</li><li data-bbox="437 434 959 487">4 If ActiveSync still doesn't work, remove and re-install the ActiveSync software on your PC.</li></ol>
■ ActiveSync is connected, but data cannot be synchronized.	<p data-bbox="465 620 959 767">On your desktop computer, check the <b>Tools Menu &gt; Options &gt; the Sync Options</b> tab in the <b>ActiveSync Manager</b> window to see if the information type for the program you want has been selected for synchronizing. See more details about synchronizing information in <b>Chapter 4</b>.</p>

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## Connection Problems

Problem	Solution
<ul style="list-style-type: none"><li>■ Unable to use <b>Infrared (IR) port</b> to transfer information.</li></ul>	<ol style="list-style-type: none"><li>1 Line up the IR ports so that they are unobstructed and within a close 20cm range.</li><li>2 Make sure that nothing is obstructing the two IR ports.</li><li>3 Adjust the room lighting. Some light sources interfere with IR connections. Try moving to a different location or turn out some lights.</li><li>4 Transfer only one file, or no more than 25 contact cards, at a time.</li></ol>
<ul style="list-style-type: none"><li>■ Cannot connect to <b>Internet, web surfing</b> doesn't work.</li></ul>	<ol style="list-style-type: none"><li>1 Check that you have set up and connected to an Internet service provider.</li><li>2 Check that the wireless connection to your mobile service provider is switched on and the signal is un-obstructed.</li><li>3 Verify with your Internet service provider that your username and password are correct.</li></ol> <p>See Chapter 7, <b>Getting Connected</b>. Additional information is also available in <b>Connections Help</b> on the Pocket PC Phone and <b>ActiveSync Help</b> on the PC.</p>



### Problem

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- Problems with the **cable** and **cradle** connection.

### Solution

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- 1 Make sure that your Pocket PC Phone is turned on.
- 2 Make sure that you do not have any other active connections. Tap the **Start** menu > **Today**, and then tap  or  at the bottom of the screen, and then **Disconnect**.
- 3 Make sure that the cable is securely plugged into the COM or USB ports on the back of your PC. Use the cable that came with the Pocket PC Phone without any extra cables or extenders attached.
- 4 Plug the other end of the cable securely into the correct port on your Pocket PC Phone. If you are using a cradle, push your Pocket PC Phone securely into the cradle.

# Specifications

## System Information

<b>Processor</b>	Intel Bulverde CPU at 416MHz
<b>Memory</b>	- ROM : 64 MB - RAM : 64 MB
<b>Operating System</b>	Windows Mobile2003™ 2003 Second Edition

## Display

<b>LCD Type</b>	2.8" transfective TFT-LCD with back-light LEDs, touch-sensitive screen
<b>Resolution</b>	240 x 320 at 65,536 colors

## GSM/GPRS (Tri-band) Module

<b>GSM 900</b>	880 ~ 915, 925 ~ 960 MHz
<b>GSM1800</b>	1710 ~ 1785, 1805 ~ 1880 MHz
<b>GSM1900</b>	1850 ~ 1910, 1930 ~ 1990 MHz
<b>Internal antenna</b>	Yes

## Camera Module

<b>Type</b>	Color CMOS camera module with dust-proof cover
<b>Resolution</b>	1.3M with JPEG encoder
<b>Camcorder</b>	QCIF, Min 15 fps (in live mode), Max. 15 seconds per clip

## Physical

<b>Dimensions</b>	58 mm (w) x 108.2 mm (h) x 18.2 mm(l)
<b>Weight</b>	150g (with battery)

## AC Adaptor

<b>Delta</b>	Type ADP-5FHX
<b>Phihong</b>	Type PSC05R-050

## Expansion Slots

<b>SDIO/MMC supports</b>	Yes
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## Controls and Lights

<b>Navigation Buttons</b>	5-way navigation pad - 4 program buttons : Calendar, Contacts, Camera, Voice record. - 2 phone function: Call, End - Volume control button (Up/ Down) - Power on/off - Reset button
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<b>LED</b>	- Event notification - Charge status - GSM/GPRS signals - Bluetooth, system notification
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## Audio

<b>Audio controller</b>	AGC
<b>Microphone/ Speaker</b>	Built-in
<b>Headphone</b>	WAV/WMA/AMR/MARWB// AAC/AAC+/MP3 stereo

## Connection

<b>Infrared</b>	SIR
<b>I/O port</b>	Mini-USB individual port for signals (for USB, and power)
<b>Audio</b>	Stereo headphone jack

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