

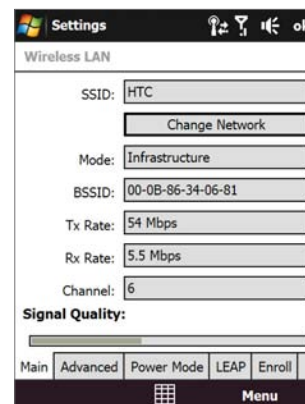


To check wireless network status

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

- **Title bar.** When you enable Wi-Fi on your device, the Wi-Fi ON icon  appears on the title bar. After Wi-Fi is turned on, your device scans for available wireless networks and the wireless signal icon  appears on the title bar. The arrows in this icon move back and forth while your device is scanning for a wireless network signal. Once your device successfully connects to a wireless network, the arrows stop moving.
- **Wireless LAN screen.** On the Home screen, slide to the **Settings** tab and then tap **Menu > Wireless Networks**. On the **Main** tab, you will see the wireless network that your device is currently connected to. The configuration and signal quality of the wireless network are also shown.



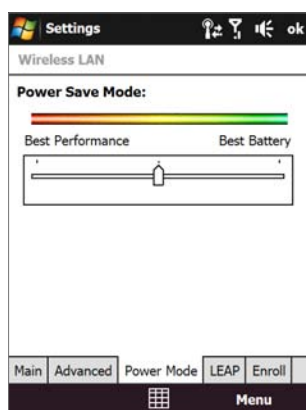
- **Configure Wireless Networks screen.** On the Home screen, slide to the **Settings** tab and then tap **All Settings**. In the **Connections** tab, tap **Wi-Fi**. This screen displays the wireless networks currently available. To connect to a wireless network in the list, tap and hold on the desired network, then tap **Connect**. Tap a wireless network in the list to view or change its connection settings. You can also add new wireless networks, if available, by tapping **Add New**.



To save battery power while connected to a wireless network

Using Wi-Fi quickly consumes battery power. Turn off Wi-Fi when not in use. You can also enable power saving settings.

1. On the Home screen, slide to the **Settings** tab.
2. On the Settings screen, tap **Menu > Wireless Networks > Power Mode** tab.
3. On the **Power Mode** tab, move the **Power Save Mode** slider to a position that optimizes performance with the least power consumption.



For example, move the slider to the left (Best Performance) to have the optimal wireless network performance; move to the right (Best Battery) to obtain the maximum battery usage.

Dial-up

Your device's networking capability allows you to access the Internet through the dial-up connection. Settings for connecting to your service provider's 1xRTT/EVDO network are already preconfigured on your device, and your device is ready to connect to the Internet. Please do not change these settings as this may cause your data connection to stop working.

If you need to use another dial-up connection from an ISP (Internet Service Provider), you can manually add it to your device. To establish a dial-up connection on your device, you need the same settings that you normally use when you dial up from your computer. This includes the ISP server phone number, your user name and password.

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **Connections** tab, tap **Connections**.
3. Tap **Add a new modem connection**.
4. On the Make New Connection screen, enter a name for the connection and select **Cellular Line** in the **Select a modem** list, then tap **Next**.
5. Enter the ISP server phone number, then tap **Next**.
6. Enter your user name, password, and any other information required by your ISP, then tap **Finish**.

8.2 Starting a Data Connection

After setting up a data connection on your device, you can now connect your device to the Internet. The connection is started automatically when you begin using a program that accesses the Internet such as Opera Mobile.

To manually start a data connection

If you have set up multiple types of data connections on your device, you can manually start a connection.

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **Connections** tab, tap **Connections**.
3. Tap **Manage existing connections**.
4. Tap and hold the name of the desired connection, then tap **Connect**.

To disconnect active data connections

1. Tap **Start > Settings > Connections** tab > **Comm Manager**.
2. Tap the **Data Connection** button.

Note You cannot reconnect a data connection in Comm Manager.

8.3 Using Opera Mobile™

Opera Mobile™ is a full-featured Internet browser, optimized for use on your device.

Note You can also use Internet Explorer® Mobile to browse the Web. To open Internet Explorer Mobile, tap **Start > Internet Explorer**.




- 1 **Refresh.** Tap to reload the Web page being viewed.
- 2 **Address bar.** Enter the URL of the Web site here.
- 3 **Back.** Tap to go back to the previous Web page viewed.
- 4 **Favorites.** Tap to go to the Favorites screen where you can add a favorite, edit favorite Web pages, and send the favorite URL link via one of the Messaging accounts.
- 5 **Tabs.** Tap to add a new browsing tab or switch to another existing browsing tab.
- 6 **Home.** Tap to go to the Home page.
- 7 **Menu.** Tap to open a list where you can change Opera Mobile settings, check downloads, view History, and more.
- 8 **Close tab.** Tap to close the current tab. This is only enabled if you have more than one tab opened.
- 9 **Exit Full Screen mode.** When browsing the Web, Opera Mobile automatically switches to Full screen mode. Tap to show the address and Menu bars again.

To open Opera Mobile

On the Home screen, slide to the **Browser** tab and then tap **Launch Browser**.

To go to a Web site

1. On the Opera Mobile screen, tap the address bar.
2. Enter the URL address and tap .



Tip When you tap the address bar, a search field also appears. Quickly search the Web by entering the search item and tapping .

View Web pages

While browsing Web pages, use finger gestures to pan and zoom on the Web page. To zoom in, tap your finger twice on the screen. To zoom out, tap your finger twice on the screen again.

Tip Touch and hold an empty area on a Web page to open a shortcut menu that lets you go back to the previous page, reload the page, add the page as a Favorite, and more. You can also tap and hold a link or image on a Web page to open a menu with different options.



To change the screen orientation

Change the screen orientation by simply turning your device sideways.



Opera Mobile menu

On the menu bar, tap  to open the menu.

- Tap to open the Settings screen where you can set the default home page, change display settings, set privacy settings, and more.
- Tap to view items being downloaded. You can also resume or stop current downloads.
- Tap to view information about the Web page you are browsing.
- Tap to see web pages that you have viewed.
- Tap to manage and view web pages that you have saved.
- Tap to open the Opera Mobile help file.
- Tap to close Opera Mobile completely. Opera Mobile will not run in the background.

Note For more information about using Opera Mobile, go to: <http://www.opera.com/products/mobile/>

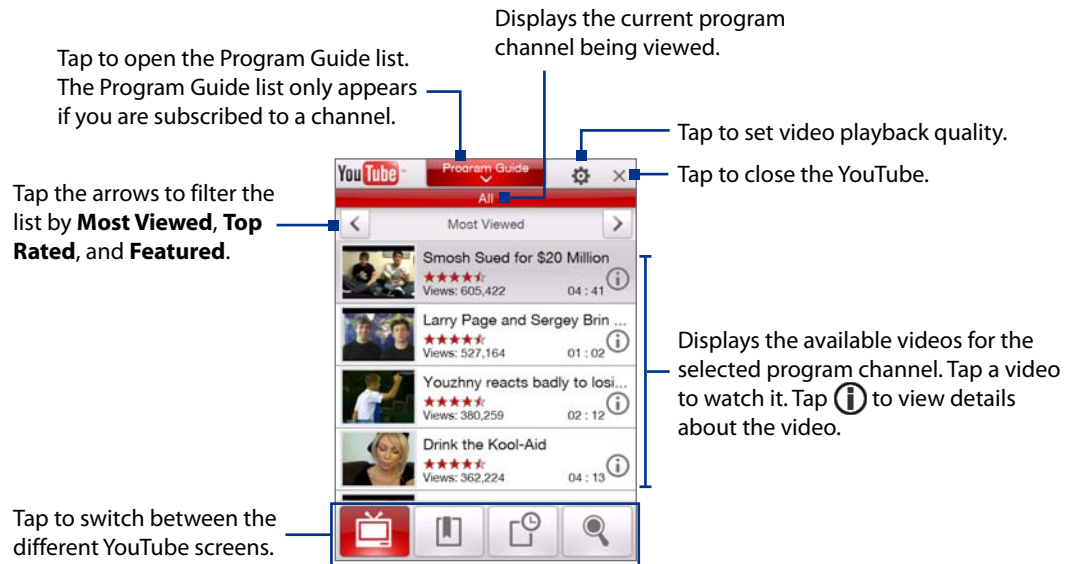
8.4 Using YouTube™

YouTube™ lets you browse, search, and watch video clips from the YouTube server.

Note You need an active connection to use YouTube. If you are using a data connection, your data connection bill may increase significantly due to large file sizes of the videos.

To open YouTube



Tap **Start > Programs > YouTube**.



Browse for videos

The Program Guide list lets you change the program channel so you can browse different types of videos available on the YouTube server. By default, there is only one channel in the Program Guide.

To add a new program channel into the Program Guide list

1. On the YouTube screen, tap .
2. On the **Search** screen, enter the channel you want to add to the Program Guide list.
3. Tap **Search**. YouTube searches for the channel and then displays the available videos from it.
4. Tap  and then on the confirmation screen, tap **OK**. The channel you just subscribed to will now be shown when you tap **Program Guide**.




Tip You can also add a YouTube user as a program channel. To add, tap  in any of the YouTube screens and then tap .

To change the program channel

1. On the **Videos** screen, tap **Program Guide** at the top of the screen.
2. On the Program Guide list, select a channel.
3. The video list refreshes to display the available videos for the newly selected channel.

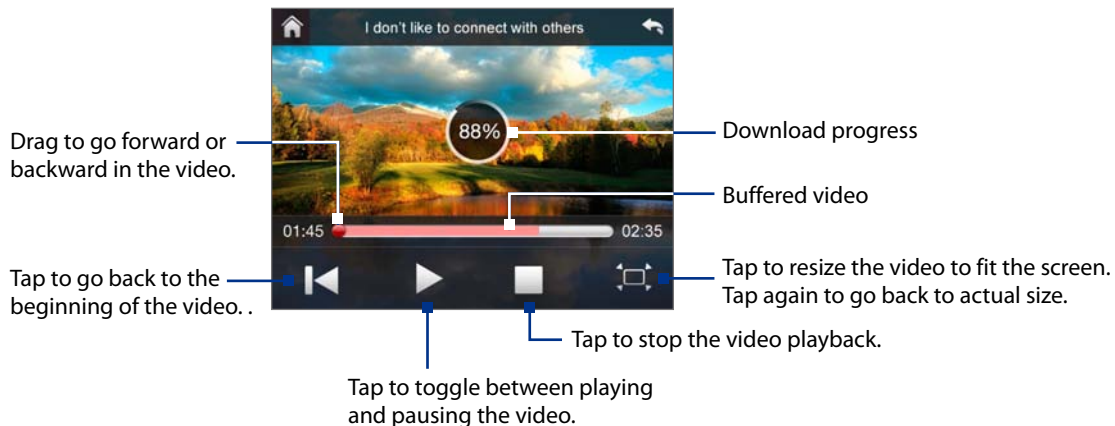
To delete a program channel from the Program Guide list

You can only delete program channels that you have added to the Program Guide list.

1. On the **Videos** screen, tap **Program Guide**.
2. Scroll down to the channel you want to delete and then tap .
3. On the confirmation screen, tap **Yes**.

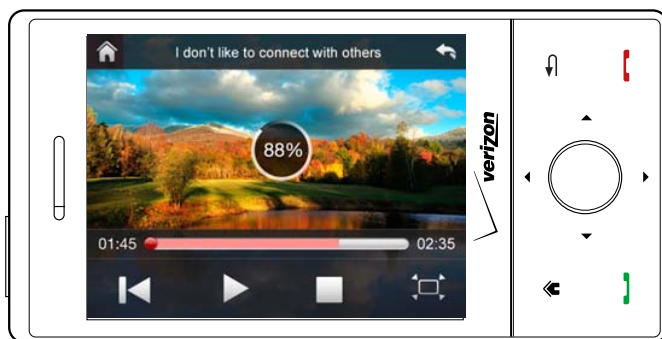
Watching videos

In the Videos, Bookmarks, or History screen, tap a video to launch the YouTube Video Player.




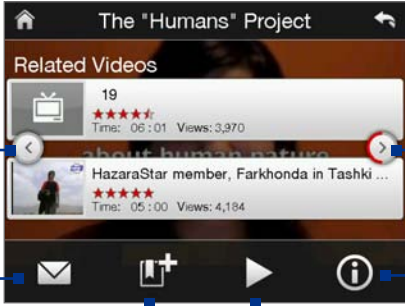
Tip To adjust the volume, press the VOLUME CONTROLS on the side of the device.

Navigation Control



This control	Does this
ENTER	Toggle between playing and pausing video playback.
Navigation Right (Landscape orientation)	Press and hold to go forward in the video.
Navigation Left (Landscape orientation)	Press and hold to go back in the video
VOLUME BUTTONS	Press to adjust the volume.

When you tap Stop () or finish watching the entire video, you are presented with options on what you can do next.



Tap to go back to the previous page of related videos.

Tap to send the link to the video you just watched to another person using one of the Messaging accounts.

Tap to add the video to your Bookmarks.

Tap to play back the video again.

Tap to go to the next page of related videos. If no action is taken, it automatically goes to the next page after 10 seconds.

Tap to view details about the video you just watched.

Bookmarks



You can store frequently viewed videos into Bookmarks for quick access.

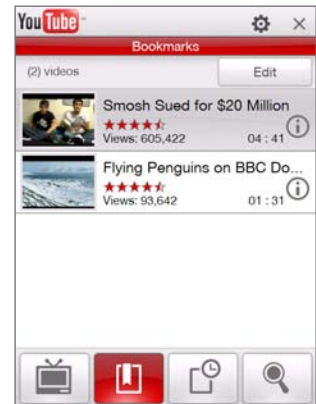
To view Bookmarks

On the YouTube screen, tap . Tap a video to watch it.


To add a video into Bookmarks.

Do one of the following:

- After watching a video, tap .
- On the list of videos, tap  on the video you want to add to Bookmarks and then tap **Bookmark**.



To delete a video from Bookmarks

1. On the **Bookmarks** screen, tap **Edit**.
2. Tap  on the video you want to remove from Bookmarks.
3. On the confirmation screen, tap **Yes**.
4. Tap **Done**.

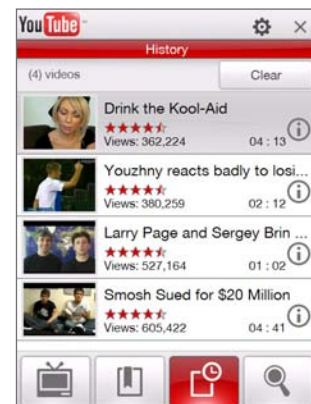
History

View recently watched videos on the History screen.

To view History

On the YouTube screen, tap . Tap a video to watch it.

Note To clear the History list, tap **Clear**.



8.5 Using Windows Live™

Windows Live™ gives you a full Internet experience on your device. Windows Live™ helps you to find information, pursue your interests, and get in touch with friends and family on the Internet easier.

Windows Live™ offers the following key features:

- **Live Search Bar**, which lets you search for information on the Web.
- **Live Messenger**, the next generation of MSN Messenger Mobile.
- **Live Mail**, the next generation of Hotmail.
- **Live Contacts**, your address book for storing Live Mail, Live Messenger and Hotmail contacts.

Set up Windows Live™

The first time you use Windows Live™, sign in using your Windows Live™ ID, which is your Windows Live™ Mail or Hotmail address, and password.

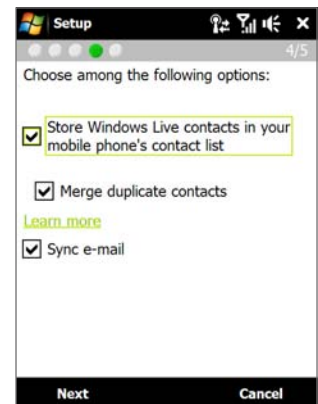
To set up Windows Live™ for the first time

1. Tap **Start > Programs > Windows Live** and then tap **Sign in to Windows Live**.
2. Tap the links to read the Windows Live™ Term of Use and the Microsoft Privacy Statement. After reviewing them, tap **Accept**.
3. Enter your Windows Live™ Mail or Hotmail address and password, select the **Save password** checkbox, then tap **Next**.
4. Tap **Next**.
5. Choose what information you want to sync online with your device.

If you select **Store Windows Live contacts in your mobile phone's contact list**, your Windows Live™ contacts will be added to the contact list and to Windows Live™ Messenger on your device.

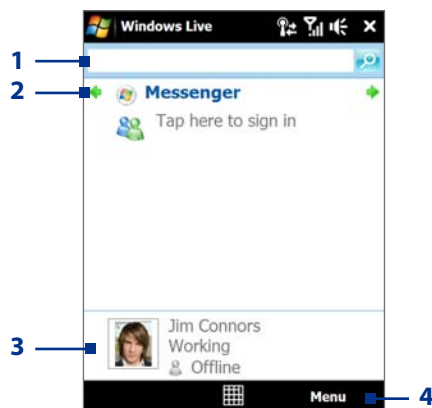
If you select **Sync e-mail**, your Windows Live™ Mail or Hotmail inbox messages will be downloaded to your device.

6. Tap **Next**.
7. After synchronization is complete, tap **Done**.



The Windows Live™ interface

On the Windows Live™ main screen, you will see a search bar, navigation buttons, and an area where you can show and customize your profile.

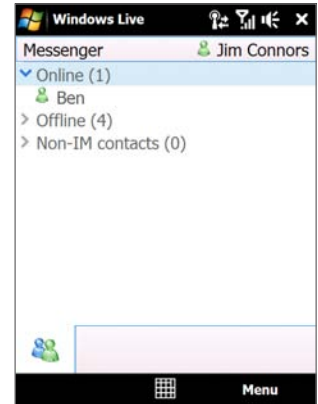


- 1 Search bar
- 2 Navigation buttons. Tap the left or right arrow to switch between Windows Live™ Messenger, Windows Live™ Mail, and Sync status.
- 3 Tap to change the display name, picture, or personal message.
- 4 Tap **Menu** to access and change settings.

Windows Live™ Messenger

With this mobile version of **Windows Live™ Messenger**, you enjoy many of the same cool features that you get from the desktop version, which include the following:

- Instant messaging via text and voice
- Multiple conversations
- Insert emoticons
- Contact list with presence
- Send and receive files including photos
- Change status/display name
- View contacts by online status, groups, and more
- Send messages even when a contact is offline



Note Before you can use Windows Live™ Messenger, your device must be connected to the Internet. For information about setting up an Internet connection, see “Ways of Connecting to the Internet” in this chapter.

Launch Messenger and sign in

To open Windows Live™ Messenger

Do one of the following:

- Tap **Start > Programs > Messenger**.
- On the Windows Live™ main screen, tap the left or right arrow until you see **Messenger**, then tap it.

To sign in and out

1. Tap **Sign in** on the Messenger screen.
2. If this is your first time to sign in, a message appears to inform you that your messenger contacts will be added to the contact list on your device. Tap **OK** to add them. Signing in may take several minutes, depending on your connection speed.
3. To sign out, tap **Menu > Sign Out**.

To start and end conversations

1. In the contact list, select a contact, then tap **Send IM** to open a message screen.
2. Enter your text message in the text entry area of the message screen.
3. To add an emoticon, tap **Menu > Add emoticon** then tap an icon from the list.
4. Tap **Send**.
5. To end a conversation with the current contact, tap **Menu > End conversation**.

- Tips**
- To send a file, tap **Menu > Send**. You can choose to send a picture, voice clip or any file.
 - To invite one or more contacts to the conversation, tap **Menu > Options > Add participant**.
 - To send a voice message, tap Voice Clip on a message screen then start talking. After you have recorded a message, tap **Send**.

Add Windows Live™ contacts

You can add new Windows Live™ contacts in Windows Live™ Messenger or in Contacts.

To add a Windows Live™ contact in Live Messenger

1. Tap **Menu > Add new contact**.
2. Enter the e-mail address of the contact, then tap **OK**.

To add a Windows Live™ contact in Contacts

1. On the Home screen, slide to the **My Favorites** tab and then tap **All People**.
2. Tap **New**, then tap **Windows Live**.

3. In the **IM** box, enter the e-mail address of the contact, which can be a Windows Live ID or any other e-mail address.

Tip You can fill in other information about the contact, if desired. This is not necessary if you will communicate with the contact only through Windows Live™ Messenger or Live Mail.
4. Tap **OK**.
5. Follow the remaining instructions to add the new contact to your Windows Live™ contact list.

8.6 Using Your Device As a Modem (Wireless Modem)

While traveling, you can use your Windows Mobile powered device as a modem for your notebook. **Wireless Modem** allows you to use your device as a USB modem.

Note When you activate Wireless Modem, ActiveSync will be disabled automatically.

Activate your device as a modem

Connect your device to your notebook using the USB cable, then follow the steps below to activate your device as a modem.

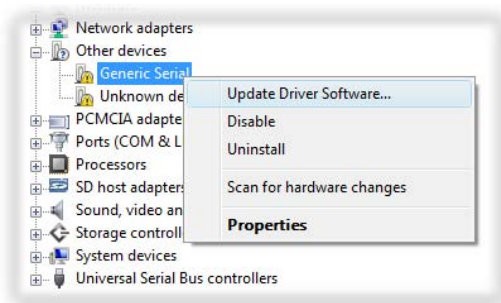
1. On your device, tap **Start > Programs > WModem**.
2. Tap **Menu > Start**.
3. The next thing to do is to add your device as a modem onto your notebook.

Add your device as a modem to your notebook

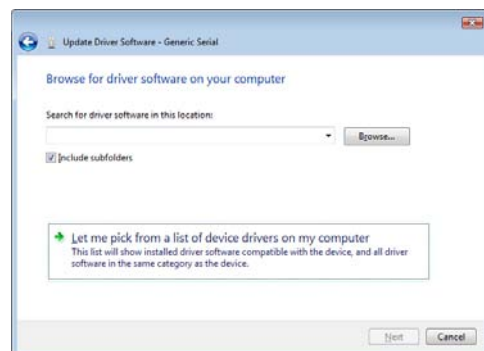
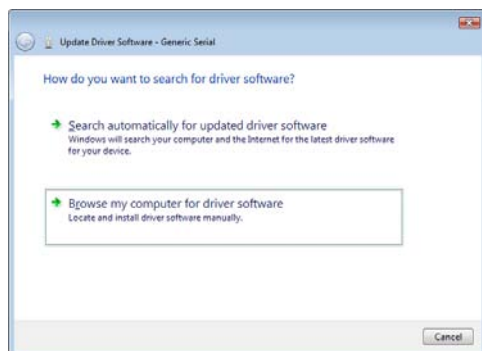
After you tap **Menu > Start** on the Wireless Modem screen of your device, your notebook will automatically detect that your device has been connected. The Found New Hardware dialog box will then appear on your computer.

To add your device as a modem to a Windows Vista notebook

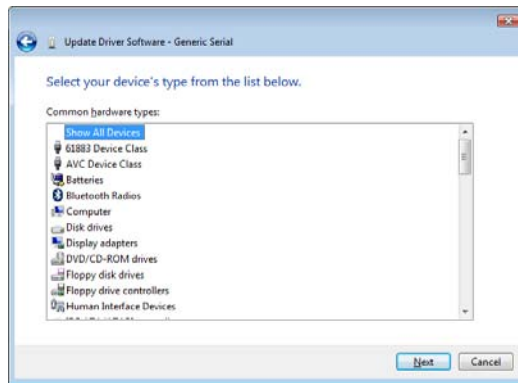
1. Click **Cancel** to close the Found New Hardware dialog box.
2. Open the Control Panel, then click **Device Manager**.
3. Right-click **Generic Serial**, then click **Update Driver Software**.



4. Click **Browse my computer for driver software**, then click **Let me pick from a list of device drivers on my computer**.



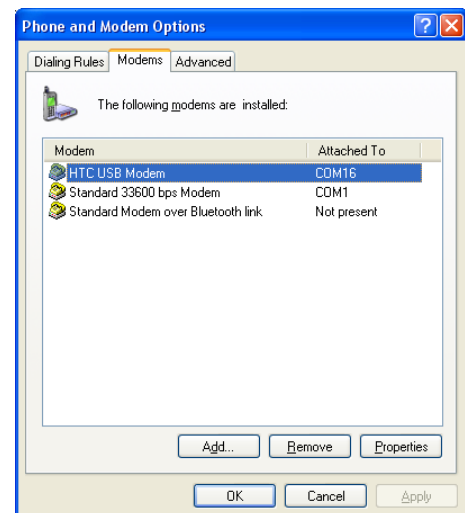
- Click **Show All Devices**, then click **Have Disk** and browse the Getting Started Disc to locate the USB modem driver for your device.



- HTC USB Modem** will then be displayed. Select this modem driver then click **Next**.
- If you see the Update Driver Warning message, simply click **Yes** to continue with the installation.
- In the Windows Security dialog box, click **Install this driver software anyway** to continue with the installation.
- Wait for the installation of the HTC USB Modem to complete, then tap **Close**.

To add your device as a modem to a Windows XP notebook

- In the Found New Hardware dialog box, select **Install from a list or specific location (Advanced)** and click **Next**.
- Select **Search for the best drivers in these locations**.
- Insert the Getting Started Disc into your CD drive. Select the **Include this location in the search** check box. Click **Browse** and choose the CD drive and root folder where the modem driver is located, then click **Next**.
- Wait for the installation to complete, then click **Finish**.
- Click **Start > Settings > Control Panel**.
- Double-click **Phone and Modem Options**.
- Click the **Modems** tab. Select the new modem from the **Modem** list, then click **OK**.
- You can now connect your computer to the Internet. Follow the steps in "Dial up and connect to the Internet."

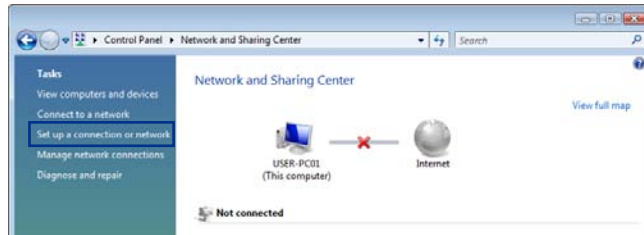


Create a modem dial-up connection

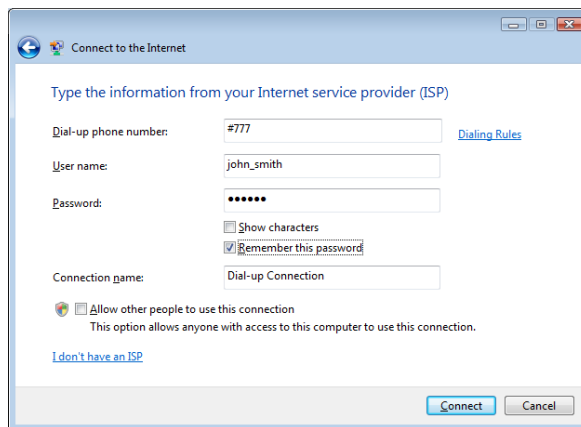
After your notebook recognizes your device as a modem, create a modem dial-up connection on your notebook.

To set up a modem dial-up connection in a Windows Vista notebook

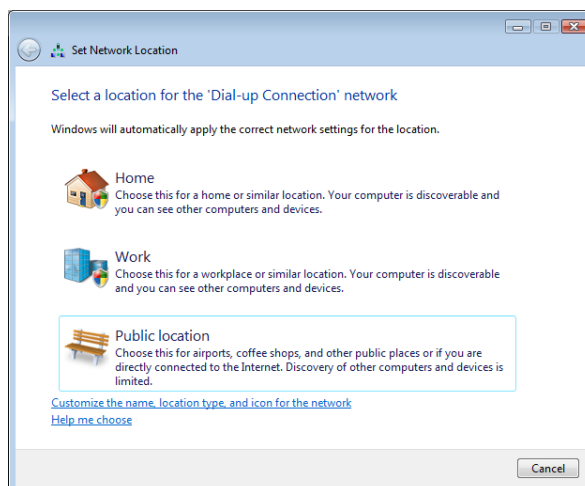
1. On your notebook, click **Start > Control Panel**.
2. Double-click **Network and Sharing Center**.
3. On the left-hand panel of the Network and Sharing Center, click **Set up a connection or network**.



4. Click **Set up a dial-up connection** then click **Next**.
5. Enter the following information: dial-up phone number (**#777**), your user name and password. Also select the **Remember this password** check box.

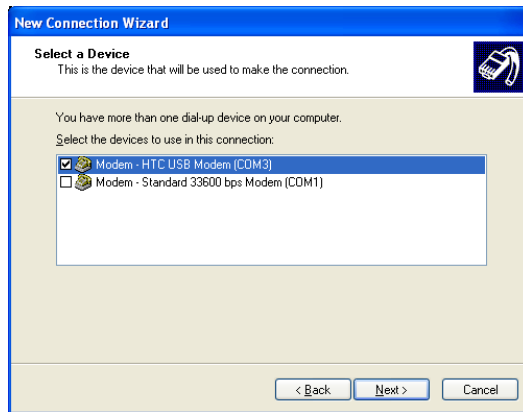


6. When you have finished entering the information, click **Connect**. Your notebook then starts to dial up to the Internet using your device as a modem.
7. When you see a dialog box that shows you are connected to the Internet, click **Close**.
8. In the Set Network Location dialog box, choose the type of location where you will use the dial-up connection.



To set up a dial-up connection in a Windows XP notebook

1. On your computer, click **Start > Settings > Control Panel**.
2. Double-click **Network Connections**.
3. Click **File > New Connection**.
4. In the **New Connection Wizard**, click **Next**.
5. Click **Connect to the Internet** then click **Next**.
6. Select **Set up my connection manually** then click **Next**.
7. Select **Connect using a dial-up modem** then click **Next**.
8. Select the USB modem that you previously installed, then click **Next**.



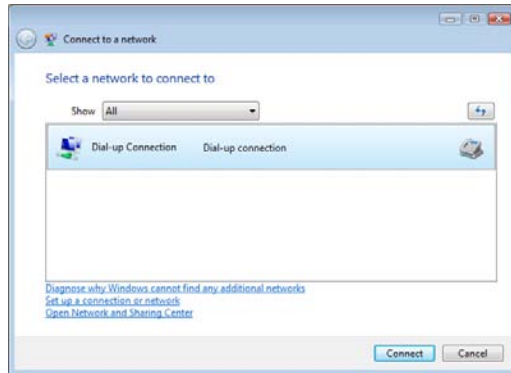
9. Enter a descriptive name for this connection, then click **Next**.
10. Enter **#777** as the dial-up phone number then click **Next**.
11. Under **Internet Account Information**, enter your user name and password then click **Next**.
12. Click **Finish** to exit the wizard.
13. The Connect dialog box then opens. Click **Dial** to dial up and connect to the Internet.



Dial up and connect to the Internet

Whenever you want to dial up to the Internet on your notebook using your device as a modem, tap **Menu > Start** in Wireless Modem of your device, then do the following steps to connect to the Internet.

1. If Wireless Modem has not yet been activated on your device, select the type of connection (USB or Bluetooth) then tap **Menu > Start**.
2. On a Windows Vista notebook, click **Start > Connect to**, select the name of the dial-up connection, then tap **Connect**.



3. On a Windows XP notebook, click **Start > Settings > Control Panel**, double-click **Network Connections**, then double-click the modem connection.
4. The Connect dialog box then opens. Click **Dial** to dial up and connect to the Internet.



To end the modem session

On the Wireless Modem screen, tap **Done** or tap **Menu > Stop**.

8.7 Using RSS Hub

RSS Hub is an RSS reader that keeps you up-to-date with the latest news from the Internet. It monitors Internet news channels and downloads the most current news updates and podcasts so you are instantly informed of breaking news and events.

For more information and tips on using RSS Hub, see Help on your device.

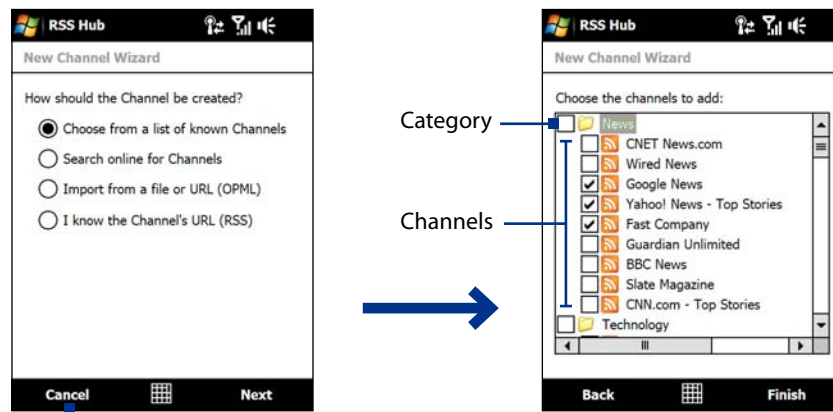
Note Make sure you have an active Internet connection (such as a data connection) before using RSS Hub.

Subscribe to and organize news channels

You must subscribe to news channels before you can receive RSS feeds.

To subscribe to news channels

1. Tap **Start > Programs > RSS Hub**, then tap **Continue**.
2. In the New Channel Wizard screen, select the **Choose from a list of known Channels** option, then tap **Next**. A list of RSS channels is displayed.



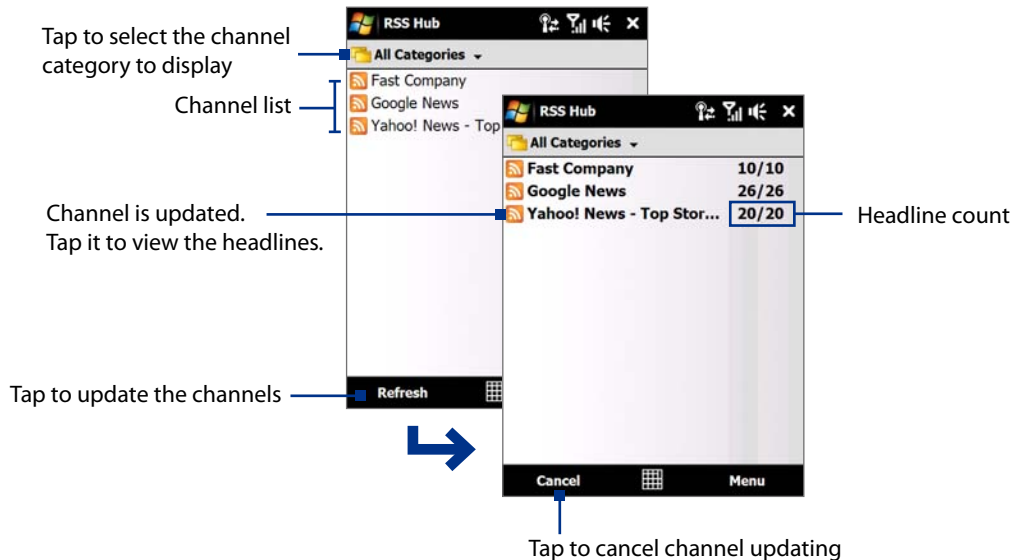
Tap to load pre-selected RSS channels.

Note If the RSS channel you want to subscribe to is not in the list of known channels, tap Back, then select another option on the New Channel Wizard screen. For more information on these other options, see the Help on your device.

3. Select the checkboxes of the RSS channels you want to subscribe to, then tap **Finish**.

Tip Channels are grouped by categories. If you want to select all channels in a category, select the category check box.

4. The channel list appears. Tap **Refresh** to update the channels.



Tap to select the channel category to display

Channel list

Channel is updated. Tap it to view the headlines.

Tap to update the channels

Headline count

Tap to cancel channel updating

To add new channels

1. In the channel list, tap **Menu > Channel > New** to open the New Channel Wizard screen.
2. Select an option, then follow screen instructions to add new channels. For more information on New Channel Wizard options, see Help on your device.

To filter the channels in the display

In the channel list, tap **Menu > View**, then select:

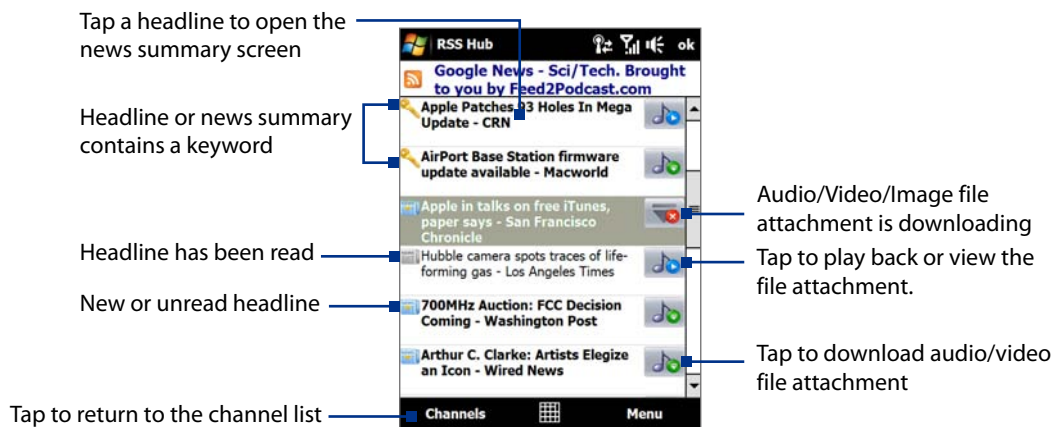
- **Updated** to display only those channels with unread headlines.
- **All** to display all subscribed channels.

To manage channel categories

- To view all the channels in a particular category, tap **All Categories** in the upper left area of the channel list, then tap the category you want to display.
- To add a new category, tap **Menu > Categories** in the channel list to display all categories, then tap **Menu > New**.
- To rename or delete a category, tap **Menu > Categories** in the channel list to display all categories, select a category, then tap **Menu > Rename** or **Menu > Delete**.
- If you want to change the channel category, tap and hold the channel in the channel list, then tap **Change Category**. Select a new category and tap **OK**.

View and organize headlines

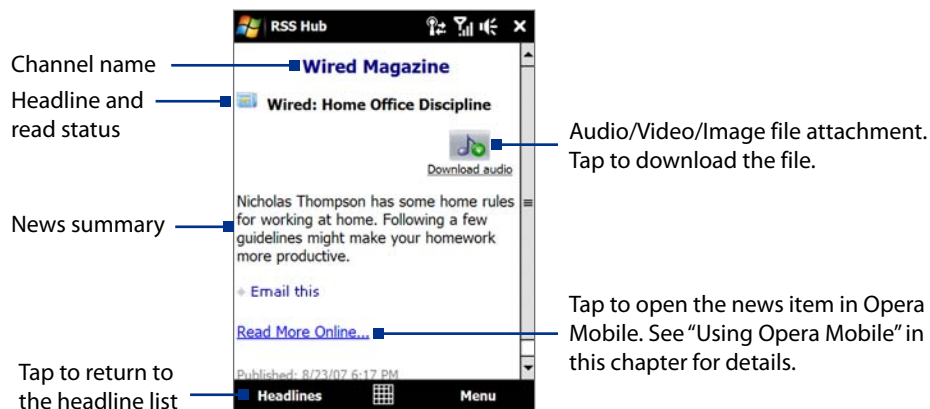
Tap a channel in the channel list to display the headlines for that channel.



New or unread headlines display in bold and are marked with a blue newspaper icon. Headlines that have been read are marked with a gray newspaper icon.

View the news summary

Tap a headline in the headline list to display the news summary.



To change view options

In the news summary screen, tap **Menu** to change the text size, fit the text to the screen (text wrap), or enable **ClearType** for better viewing.

To download, play, or save podcasts

1. When you see an audio or video file attachment in the news summary, do one of the following to download the file:



- Tap **Menu > Podcasts > Start Download**.
- Tap the **Download audio/Download video** link below the audio/video file icon.

Tip To cancel the file download, tap **Menu > Podcasts > Cancel Download**, or tap **Cancel download** below the audio/video file icon.

2. After downloading the file, do one of the following:
 - Tap **Menu > Podcasts > Play** or tap **Play audio/Play video** below the audio/video file icon to play back the file.
 - Tap **Menu > Podcast > Save** to save a copy of the file to the device main memory.

To send the headline link via e-mail

1. In the news summary screen, tap **Menu > Send Link via Email**.
2. Messaging opens and displays the Account Picker screen. Tap the e-mail account you want to use to send the headline link. A new e-mail message is then created with the headline link.
3. Specify the e-mail recipients, then send it.

Note For more information on how to compose e-mails, see "Using E-mail" in Chapter 6.

To view the next or previous news summary

In the news summary screen, tap **Menu > Next** or **Menu > Previous**, or press Navigation left or right.

For more information about the features and configuring RSS Hub, refer to the online help. To open the online help, tap **Start > Help** while in RSS Hub.

Chapter 9

Bluetooth

9.1 Bluetooth Modes

9.2 Bluetooth Partnerships

**9.3 Connecting a Bluetooth Hands-free
or Stereo Headset**

**9.4 Beaming Information
Using Bluetooth**

**9.5 Bluetooth Explorer and
Bluetooth File Sharing**

9.6 Printing Files via Bluetooth

9.1 Bluetooth Modes

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


Bluetooth on your device operates in three different modes:

- **On.** Bluetooth is turned on. Your device can detect other Bluetooth-enabled devices, but not vice versa.
- **Visible.** Bluetooth is turned on, and all other Bluetooth-enabled devices can detect your device.
- **Off.** Bluetooth is turned off. In this mode, you can neither send nor receive information using Bluetooth.

Notes • By default, Bluetooth is turned off. If you turn it on, then turn off your device, Bluetooth also turns off. When you turn on your device again, Bluetooth automatically turns on.

- Turn off Bluetooth when not in use to conserve battery power, or in places where using a wireless device is prohibited, such as on board an aircraft and in hospitals.

To turn Bluetooth on and make your device visible

1. On the Home screen, slide to the **Settings** tab and then tap **Menu > Bluetooth Devices > Mode** tab.
2. Select the **Turn on Bluetooth** and **Make this device visible to other devices** check boxes.
3. Tap **OK**. The Title bar will show  to indicate that the device is in Visible mode.

To turn off Bluetooth visibility after a certain period of time

You can automatically turn off Bluetooth visibility after a specified period of time.

1. On the Home screen, slide to the **Settings** tab and then tap **Menu > Bluetooth Devices > Timeout** tab.
2. In **Turn off Visible mode**, select the time before your device's Bluetooth visibility turns off. Tap **OK**.

9.2 Bluetooth Partnerships

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

To create a Bluetooth partnership

1. On the Home screen, slide to the **Settings** tab and then tap **Menu > Bluetooth Devices > Devices** tab.
2. Tap **Add new device**. Your device displays the names of other Bluetooth devices within range.
3. Tap the device name in the box, then tap **Next**.
4. Specify a passcode to establish a secure connection. The passcode can be 1 up to 16 characters.
5. Tap **Next**.
6. Wait for the paired device to accept the partnership. The receiving party needs to enter the same passcode that you specified.
7. The name of the paired device is then displayed. You may edit and enter a new name for that device.
8. Select the check boxes of services that you want to use from the paired device, then tap **Finish**.

Note Creating a Bluetooth partnership between two devices is a one-time process. Once a partnership is created, the devices can recognize the partnership and exchange information without entering a passcode again.

To accept a Bluetooth partnership

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

Tips • To rename a Bluetooth partnership, tap and hold the partnership's name on the **Devices** tab of the Bluetooth screen, then tap **Edit**.

• To delete a Bluetooth partnership, tap and hold the partnership's name on the **Devices** tab, then tap **Delete**.

9.3 Connecting a Bluetooth Hands-free or Stereo Headset

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

To connect a Bluetooth hands-free or stereo headset

1. Make sure that both your device and the Bluetooth headset are turned on and within close range, and that the headset is visible. Refer to the manufacturer's documentation to find out how to set the headset in visible mode.
2. On the Home screen, slide to the **Settings** tab and then tap **Menu > Bluetooth Devices > Devices** tab > **Add new device**.
3. Tap the name of the Bluetooth headset, then tap **Next**. The device will automatically pair the device with the Bluetooth headset.

Windows Mobile will automatically try one of the preconfigured passcodes (0000, 1111, 8888, 1234) to pair the Bluetooth headset with the device. If this fails, you have to enter the passcode delivered with your headset manually.

Note If the Bluetooth stereo headset becomes disconnected, turn the headset on and repeat step 1 to 2 above. Tap and hold the name of the Bluetooth stereo headset and tap **Set as Wireless Stereo**.

9.4 Beaming Information Using Bluetooth

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


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

To beam information from your device to a computer

1. Turn on Bluetooth on your device, and make your device visible. For information about this, see "To turn Bluetooth on and make your device visible".
2. Set Bluetooth on your computer to visible mode, create a Bluetooth partnership, then enable your computer to receive Bluetooth beams.

Note If the Bluetooth adapter or dongle on your computer was installed using a third-party provided driver, open the Bluetooth software that came with the Bluetooth adapter/dongle and enable the adapter/dongle to be discovered by other devices. Refer to the Bluetooth adapter's documentation for more information.

If your computer has **Windows Vista** or **Windows XP SP2** and your computer's Bluetooth adapter is supported by your Windows version, do the following steps:

- a. On your computer, open **Bluetooth Devices** from the Control Panel, then click the **Options** tab on the **Bluetooth Devices** window.
 - b. For **Windows Vista**, select **Allow Bluetooth devices to find this computer**. For **Windows XP**, select **Turn discovery on** and **Allow Bluetooth devices to connect to this computer**.
 - c. Create a Bluetooth partnership between your device and computer. For information about creating a partnership, see "Bluetooth partnerships".
 - d. In the **Options** tab of **Bluetooth Devices**, select **Show the Bluetooth icon in the notification area**.
 - e. To enable your computer to receive Bluetooth beams, right-click the Bluetooth icon  in the notification area at the bottom-right corner of your computer screen and select **Receive a File**. You are now ready to beam.
3. On your device, select an item to beam. The item can be an appointment in your calendar, a task, a contact card, or a file.
 4. To beam a contact, tap **Menu > Send Contact > Beam**. To beam other types of information, tap **Menu > Beam [type of item]**.

5. Tap the device name to which you want to send the item.
6. If you beamed a calendar, task, or contact item to your computer and it is not automatically added to Outlook, select **File > Import and Export** in Outlook to import it.

To beam information to a Bluetooth-enabled device such as another Windows Mobile-powered device, follow steps 1 to 5 in the above procedure.

- Tips**
- The default folder on your computer where beamed items are stored may be C:\Documents and Settings\your_username\My Documents in Windows XP or C:\Users\your_username\My Documents in Windows Vista.
 - For your device to receive Bluetooth beams, tap **Start > Settings > Connections** tab > **Beam** and make sure the **Receive all incoming beams** check box is selected.

9.5 Bluetooth Explorer and Bluetooth File Sharing

Bluetooth Explorer searches for other Bluetooth devices that have file sharing enabled and lets you access their Bluetooth shared folder. You can copy files from and to their shared folder, and create subfolders in it. When you enable **Bluetooth file sharing** on your device, other Bluetooth-enabled devices will also be able to access your Bluetooth shared folder.

To enable Bluetooth Explorer and Bluetooth file sharing on your device

1. On the Home screen, slide to the **Settings** tab and then tap **Menu > Bluetooth Devices > FTP** tab.
2. Select the **Enable Bluetooth Explorer** check box. This makes the **\Bluetooth** device folder visible in the File Explorer.
3. Select the **Enable File Sharing** check box. You can use the default Bluetooth shared folder, or tap **Browse** to use another folder as your shared folder.
4. Tap **OK**.

To use Bluetooth Explorer

1. Bluetooth Explorer is integrated with the File Explorer program. You can open it by tapping **Start > Programs > Bluetooth Explorer** or by tapping the down arrow (▼) on the upper left of File Explorer screen then tapping **Bluetooth**.
2. Bluetooth Explorer then scans for other Bluetooth devices that have file sharing enabled. From the list, tap to select a Bluetooth device you want to connect to. You may need to enter a passcode in order for you to connect to the selected device. If there are files contained in the Bluetooth shared folder on the other device, you will be able to see them on the Bluetooth Explorer screen.



3. Select one or more files, then tap **Menu > Edit** and choose to cut or copy the files.
4. Tap **Up** twice.
5. Navigate to the folder where you want to paste the files on your device, then tap **Menu > Edit > Paste**.

9.6 Printing Files via Bluetooth

Connect your device to a Bluetooth printer to print contact information, appointment details, images, and other file types.

Note You can print files in the **.txt**, **.jpg**, **.xhtml**, **.vcf**, **.vcs** file formats.

Before you start printing, make sure to turn on the Bluetooth printer and to turn on Bluetooth on your device. To turn on Bluetooth, tap **Start > Settings > Connections** tab > **Comm Manager**, then tap the **Bluetooth** button.

To print contact information

1. On the Home screen, slide to the **My Favorites** tab and then tap **All People**.
2. Select the contact whose information you want to print.
3. Tap **Menu > Print via Bluetooth > Menu > Search Devices**. Your device starts to search for Bluetooth devices.
4. Select the Bluetooth printer and tap **Menu > Send File**.
5. Set the printing options you want, then tap **Print**.

To print a calendar appointment

1. Tap **Start > Calendar**, then select (highlight) the appointment whose details you want to print.
2. Follow steps 3 to 5 in the "To print contact information" procedure.

To print a JPEG file

1. In Pictures & Videos, locate the JPEG file you want to print.
2. Tap and hold the JPEG image file and then on the menu, tap **Print via Bluetooth**.
3. Follow steps 3 to 5 in the "To print contact information" procedure:

To print a text file

1. In File Explorer, locate the text file you want to print.
2. Tap and hold the txt file and then on the menu, tap **Print via Bluetooth**.
3. Follow steps 3 to 5 in the "To print contact information" procedure:

Chapter 10

Navigating on the Road

**10.1 Guidelines and Preparation
for Using GPS**

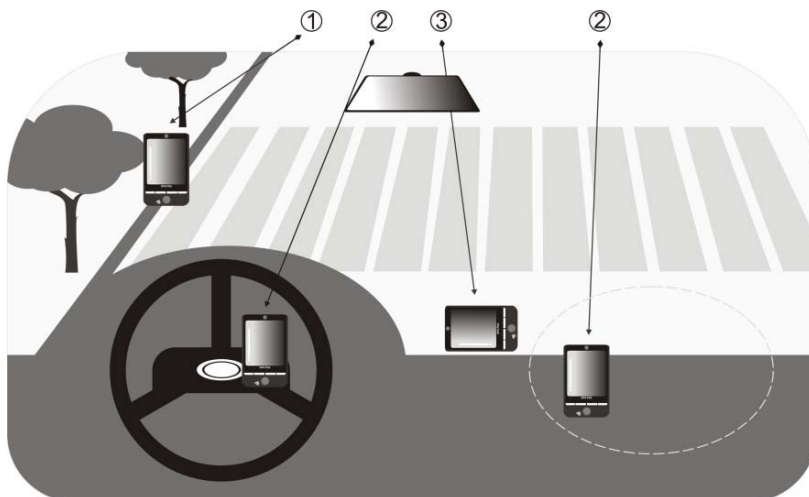
**10.2 Downloading Satellite Data
via QuickGPS**



10.1 Guidelines and Preparation for Using GPS

If you install a GPS software on your device, please follow these guidelines before and when using your device as a GPS device.

- Do not operate the GPS system while driving. The plotted GPS route is only for driving reference. It should not interfere with actual driving behavior.
- When using the device inside a vehicle, use the car holder to mount the device securely in place. Avoid placing the device in the areas shown in the following diagram:



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

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

10.2 Downloading Satellite Data via QuickGPS

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

QuickGPS downloads ephemeris data from a Web server, instead of from the satellites, using the Internet connection on your device, which can be via Wi-Fi, ActiveSync or data connection. This significantly speeds up the time for determining your GPS position.

To open QuickGPS

Tap **Start > Programs > QuickGPS**.

To download data

Tap **Download** on the QuickGPS screen.

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

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



Download options

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

- **Remind me when data expires.** Enables your device to display a reminder message when the validity of the ephemeris data has expired. When you see the reminder message, tap **Menu** to dismiss the reminder or to set the snooze time so that you will be reminded again. Tap **OK** to open the QuickGPS program and download the latest data.
- **Autodownload when data expires.** Allows ephemeris data to be automatically updated onto your device when the data has expired.
- **Autodownload when connected to PC via ActiveSync.** Allows ephemeris data to be automatically downloaded via ActiveSync to your device when your device is connected to your computer. Your computer must be connected to the Internet in order to download data.

Note The ephemeris data is stored on HTC Web servers. QuickGPS is preconfigured to connect to these servers.

Chapter 11

Experiencing Multimedia

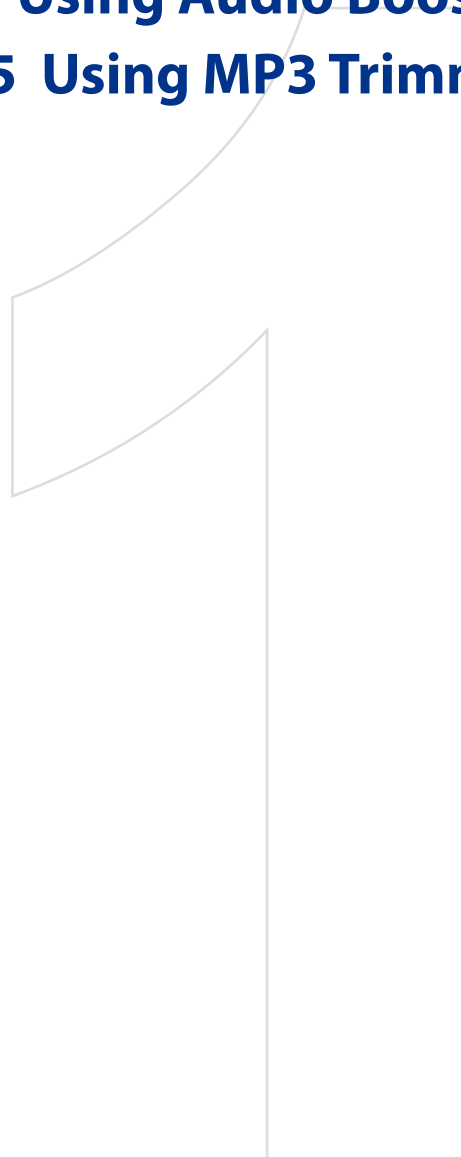
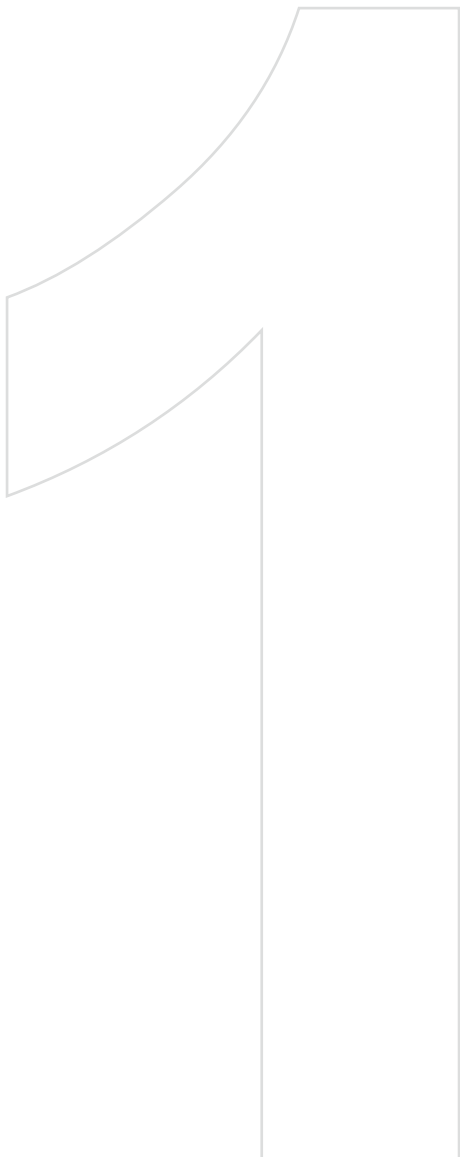
11.1 Taking Photos and Videos

11.2 Viewing Photos and Videos Using Album

11.3 Using Windows Media® Player Mobile

11.4 Using Audio Booster


11.5 Using MP3 Trimmer



11.1 Taking Photos and Videos


Use **Camera** to take photos and record video clips. You can either use the camera to take photos or shoot videos.

To open the Camera screen

On the Home screen, slide to the **Photos and Videos** tab and then tap the camera icon (). The screen orientation automatically switches to landscape mode when you open Camera.

Tip You can also tap **Start > Programs > Camera** to open the Camera program.

To exit the Camera

Tap the **Exit** icon () on the Camera screen. Tap the screen to show the Camera screen icons.

Capture modes

The camera on your device allows you to capture pictures and video clips by using various built-in modes that provide you flexibility in taking your shots.







To change the capture mode

- Press Navigation left or right (Landscape orientation).
- Tap the middle icon at the bottom of the screen (the icon displayed is based on the current Capture mode). On the on-screen menu, tap the Capture mode you want to use.



Current Capture mode

You can select from the following capture modes:



Icon	Capture Mode
	Photo Captures standard still images.
	Video Captures video clips, with or without accompanying audio.
	Panorama Captures a sequence of still images continuously in one direction, and allows stitching of all the images to create a panoramic view of a scenery.
	MMS Video Captures video clips suitable for sending with the picture and video message.
	Contacts Picture Captures a still image and gives you the option to immediately assign it as a Photo ID for a contact.
	Picture Theme Captures still images and places them within frames.

Supported file formats

Using the available capture modes, the camera in your device captures files in the following formats:

Capture mode	Format
Photo / Contacts Picture / Picture Theme / Panorama	JPEG
Video / MMS Video	H.263 (.3gp) ; 3GPP2; MPEG-4 (.mp4)

Camera controls

The camera comes with an auto-focus function to let you capture sharp and crisp photos and videos of your subjects. Depending on the **Shoot Option** you have chosen, you will need to either touch or press the ENTER button to activate auto-focus. When auto-focus is activated, it is indicated by a flashing white bracket (). When focus is set, the bracket changes to a steady green bracket ().

Note For more information about the different shoot options, see “Advanced Options” in this chapter.

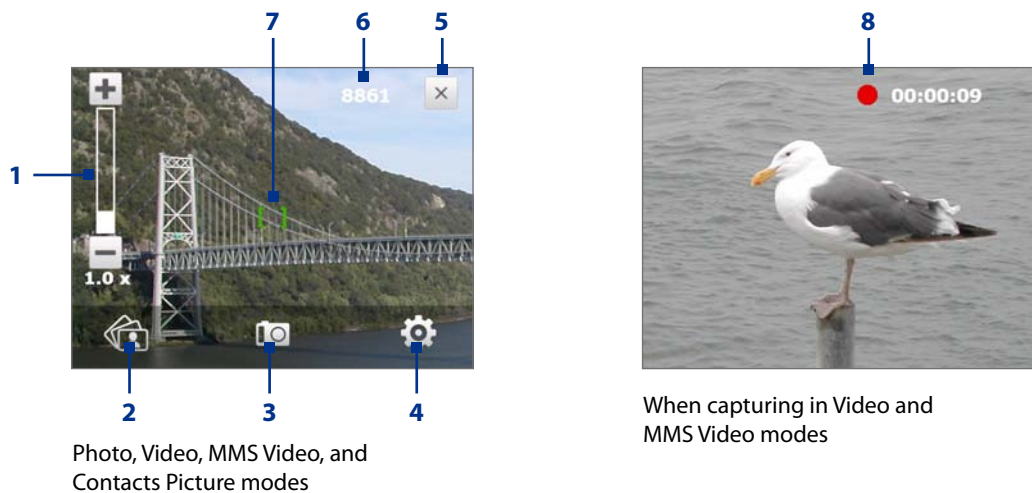
By default, you only need to press the ENTER button once to activate auto-focus and to take the photo or start capturing video. For example, in Photo mode, press ENTER to activate auto-focus; when focus is set, Camera automatically takes the shot.



Notes • In **Video** or **MMS Video** mode, press ENTER again to stop recording.

• In **Picture Theme** or **Panorama** mode, press ENTER for each shot you need to take.

On-screen controls and indicators

Tap the screen to display the controls and indicators.



1 Zoom control. Tap  to zoom in, or  to zoom out.

Tip You can also press Navigation up/down (Landscape orientation) or slide your finger clockwise or counterclockwise on the center Navigation Control to zoom in or out.

2 Album. Tap to open Album. See “Viewing Photos and Videos Using Album” for details.

3 Capture mode. Displays the current capture mode. Tap to open an on-screen menu where you can choose the capture mode.

4 Menu. Tap to open the Camera Settings screen. See “Menu Panel” for details.

5 Exit. Tap to exit the Camera program.

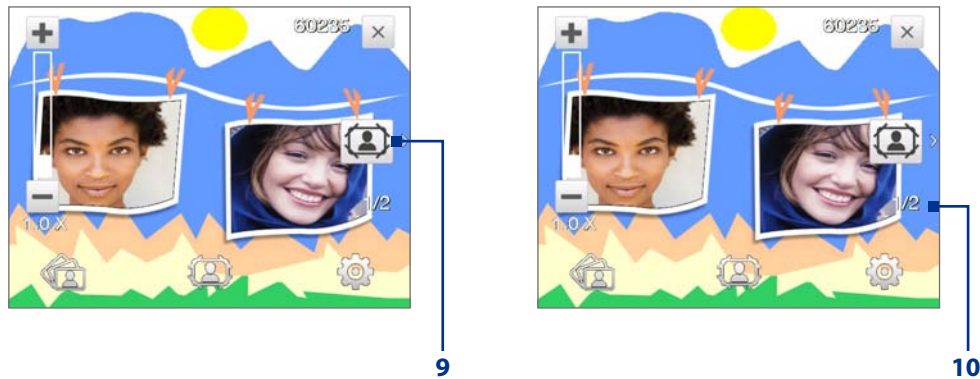
6 Remaining information indicator. In Photo, Contacts Picture, Picture Theme, and Panorama modes, this shows the remaining/available shots of pictures based on the current settings.

In Video and MMS Video modes, this shows the remaining duration that can be recorded. While recording video, this shows the recorded duration.

7 Auto-focus indicator. Displays a flashing bracket () when focusing. When focus is set, the flashing bracket changes to a steady green bracket ().

8 Recording indicator. Flashes when recording a video.


Picture Theme mode



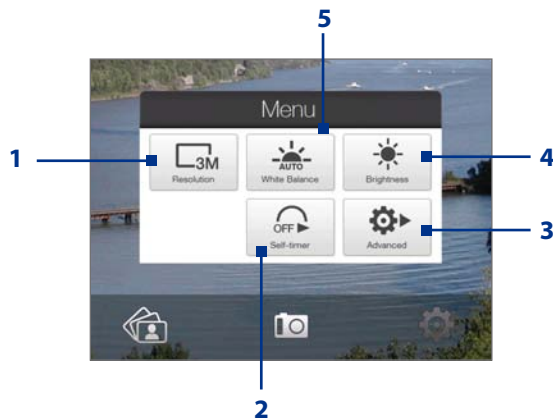
9 Template Selector icon. In Picture Theme mode, tap to toggle among different templates.

10 Progress indicator. In Picture Theme and Panorama modes, this shows the number of consecutive shots.

Menu Panel

The Menu Panel provides a quick way of adjusting most common camera settings and lets you access more advanced camera settings. On the Camera screen, tap  to open the Menu Panel. To adjust a setting, keep tapping a button on the panel, for instance, **Resolution**, to cycle through the available settings. To access advanced options, tap .



Note The available settings on the panel depend on the selected Capture mode.








1 Resolution. Tap to change the resolution (capture size). See the table in the following pages for the supported resolutions.

2 Self-timer. Tap to set the self-timer to **2 seconds**, **10 seconds**, or **Off** when in the Photo or Contacts Picture mode. When you press the ENTER button to capture a still image, it starts to count down, then captures a still image after the time expires.

3 Advanced. Tap to open the advanced camera settings. See “Advanced Options” for details.


4 Brightness. Tap to open the Brightness bar at the bottom of the screen. On the Brightness bar, tap  to decrease, or  to increase the brightness level. Tap outside the Brightness bar to apply the change.

5 White Balance. White balance enables the camera to capture colors more accurately by adjusting to different lighting conditions. White balance settings include: Auto () , Daylight () , Night () , Incandescent () , and Fluorescent () .


Zooming

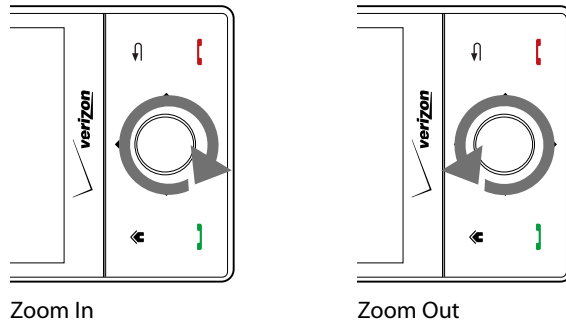
Before capturing a photo or a video clip, you can zoom in to make the object in focus move closer, or zoom out to make the object move farther away.

To zoom in















Slide your finger around the Navigation Control clockwise, press Navigation up (Landscape orientation), or tap .

To zoom out

Slide your finger around the Navigation Control counterclockwise, press Navigation down (Landscape orientation), or tap .



The camera zoom range for a photo or a video clip depends on the capture mode and resolution. Refer to the table for more information.






Capture mode	Resolution	Zoom range
Photo	 3M (2048 x 1536)	1.0x to 2.0x
	 2M (1600 x 1200)	1.0x to 2.0x
	 1M (1280 x 960)	1.0x to 2.0x
	 Large (640 x 480)	1.0x to 2.0x
	 Medium (320 x 240)	1.0x to 4.0x
Video	 CIF (352 x 288)	1x and 1.5x
	 Large (320 x 240)	1x and 1.5x
	 Medium (176 x 144)	1x and 1.5x
	 Small (128 x 96)	1x and 1.5x
MMS Video	 Medium (176 x 144)	1x and 1.5x
	 Small (128 x 96)	1x and 1.5x
Panorama	 Large (640 x 480)	1x and 2x
	 Medium (320 x 240)	1x, 2x and 4x
Contacts Picture	 Medium (240 x 320)	1.0x to 4.0x
Picture Theme	Determined by the current template	Depends on the size of the selected template

The Review screen

After capturing, the Review screen lets you view, send, or delete the photo or video clip by tapping an icon at the bottom of the screen.



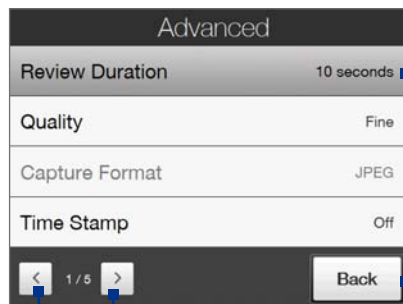
Review screen icons

Icon	Function
	Back Return to the live Camera screen.
	View View the captured image or video in the Album program.
	Delete Delete the captured image or video.
	Send Send the captured image or video via e-mail.
	Assign to Contact After capturing in Contacts Picture mode, tap this icon to assign the photo to a selected contact.

Advanced Options

The Advanced Options let you adjust options for your selected capture mode and set Camera program preferences. Access the Advanced Options by tapping **Advanced** on the Menu Panel.

You can either tap on-screen or press Navigation up/down (Landscape orientation) to navigate through the Advanced Options screen.



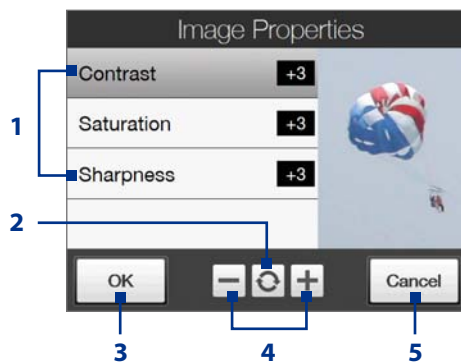
Tap an item to change the setting.

Tap to go back to the Camera screen.

Tap to go through the different Advanced Camera Settings screens.

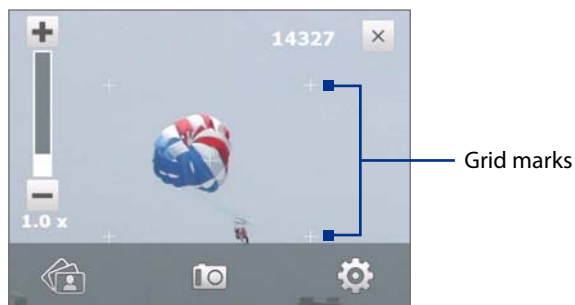
- **Quality.** Select the JPEG image quality level for all captured still images. Choose from **Basic**, **Normal**, **Fine**, and **Super Fine**.
- **Capture Format.** Select the desired file format.
- **Time Stamp** (Photo mode). Choose whether or not to include the shooting date and time on captured photos.
- **Storage.** Select where you want to save your files.
- **Keep Backlight.** Turn the backlight on or off. This overrides your device backlight settings while you are using the camera.

- **Shutter Sound.** Choose whether or not you want the camera to make a shutter sound when you press the ENTER button.
- **Shoot Option.** The camera comes with an auto-focus feature that is activated when the ENTER button is either touched or pressed.
 - **Touch and Press.** Requires you to touch the ENTER button to activate the auto-focus; when focus is set, press the ENTER button to take the shot.
 - **Touch.** Requires you to touch the ENTER button to activate autofocus; when focus is set, Camera automatically takes the shot.
 - **Full Press.** Requires you to press the ENTER button to activate auto-focus; when focus is set, Camera automatically takes the shot.
- **Review Duration.** Set a time length for displaying the captured image/video on the Review screen. Select **No Limit** if you do not want to impose a time limit. Select **No Review** to immediately return to the live Camera screen after capturing and saving.
- **Image Properties.** This option lets you adjust the capture properties, such as **Contrast**, **Saturation**, and **Sharpness**.



- 1 Tap a property to adjust.
- 2 Tap to reset all properties to their default values.
- 3 Tap to save the settings.
- 4 Tap **+** / **-** or press Navigation left/right (Landscape orientation) to increase/decrease the value.
- 5 Tap to close the submenu without applying and saving the changes.

- **Effect.** Choose a special effect such as Grayscale, Sepia, or others, to apply to your photos or video clips.
- **Metering Mode.** Select a metering mode to allow the camera to measure the amount of light and calculate the best-fit exposure value before capturing. Choose either **Center Area** to measure light using the center area of the subject, or **Average** to measure light using the area around the subject.
- **Prefix.** When **Default** is selected as the prefix, the file name of each new captured file is set to "IMAGE" or "VIDEO" followed by a sequential number, for example: IMAGE_001.jpg. You may also choose to name files using either the current **Date** or **Date & Time** as the prefix.
- **Counter.** To reset the file naming counter back to 1, tap **Reset**.
- **Flicker Adjustment.** When taking indoor shots, flicker on the camera screen may be caused by inconsistencies between the vertical scan rate of the camera display and the flicker frequency of fluorescent lighting. To reduce flicker, you can change the flicker adjustment setting to **Auto** or to the proper frequency (**50Hz** or **60Hz**) of the power in the country where your device is being used.
- **Grid** (Photo mode). Choose whether or not to show a grid on the Camera screen. Showing a grid helps you frame and center your subject easily and accurately.



- **Record with Audio** (Video and MMS Video modes). Select **On** to record audio with the captured video clips, or select **Off** to capture video without audio.

- **Template** (Picture Theme mode). Select a template.
- **Recording Limit** (Video mode). Set the maximum duration or file size for recording video.
- **Template Folder** (Picture Theme mode). By default, templates are stored in the **(My Documents)\Templates** folder on the device's **Main Memory**.
- **Show Reminder** (Contacts Picture mode). Select **On** if you want the Camera to always display a message that confirms whether or not to assign the captured picture to a contact.
- **Help**. Tap to open the Camera program help file.
- **About**. Tap to display version and copyright information.


11.2 Viewing Photos and Videos Using Album

Use **Album** to view images and videos in your device. Album offers a host of features that let you rotate images, view your images as a slideshow, use images as contact pictures, and more.

Note Album can only display files in the BMP, GIF, PNG, JPG, Animated GIF, 3GP, MP4, and WMV formats.

To open Album

Do one of the following:


- On the Home screen, slide to the **Photos and Videos** tab and tap **Album**.
- In the Camera program, tap .
- Tap **Start > Programs > Album**.

Note When you open Album from the Camera program, the screen orientation of Album is switched to landscape mode.

Tap to open the Camera program.

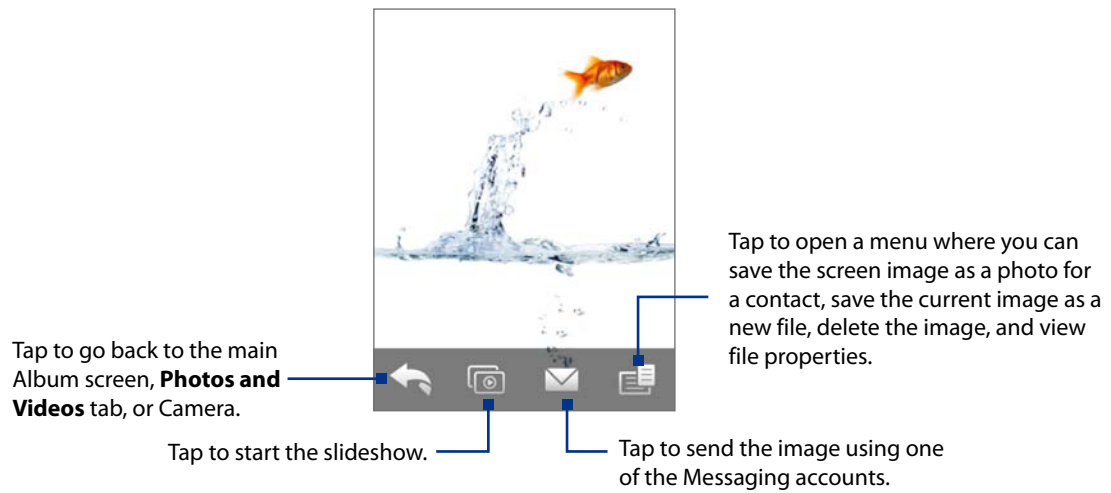


Select a photo or video to view

1. On the main Album screen, tap **Albums** and then select the album to view. The contents of the album are then displayed on the main Album screen.
2. Browse through the files by sliding your finger upward or downward.
3. Do one of the following:
 - Tap an image to view it in full screen mode. See “View an image” for details.
 - Tap a video file (files with the  icon) to play back the video file. See “Play back video” in this chapter for details.
 - Select a still image and then tap **Menu > Slideshow** to view the images in the album as a slideshow. Animated GIF and video files will not be played back in the slideshow. See “To view still images as a slideshow” in this chapter for details.

View an image

While viewing an image in full screen, tap the screen or press ENTER to open the on-screen menu.



Tip You can delete multiple files at once by selecting **Menu > Delete Items** on the main Album screen and then selecting the files to delete.

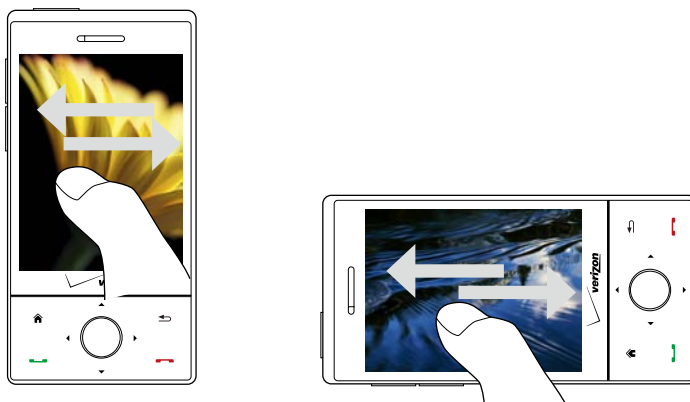
To rotate the image

While viewing images, you can automatically rotate the image by simply turning your device sideways.



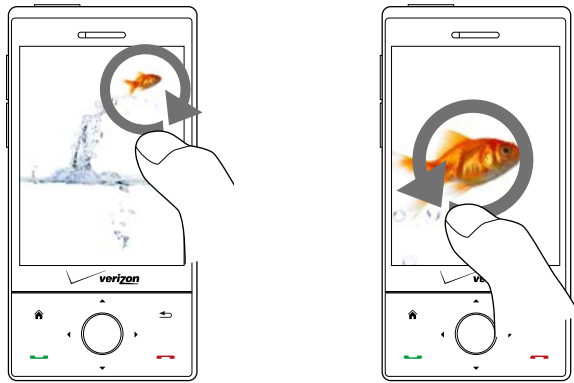
To view the next or previous image

When viewing images in Portrait or Landscape mode, go to the next image by swiping your finger across the screen from right to left. Go back to the previous image by swiping your finger from left to right.




To zoom in or out of an image

While viewing an image, make a full circle motion on the screen with your finger.



Slide your finger clockwise on an area to zoom in on that area.

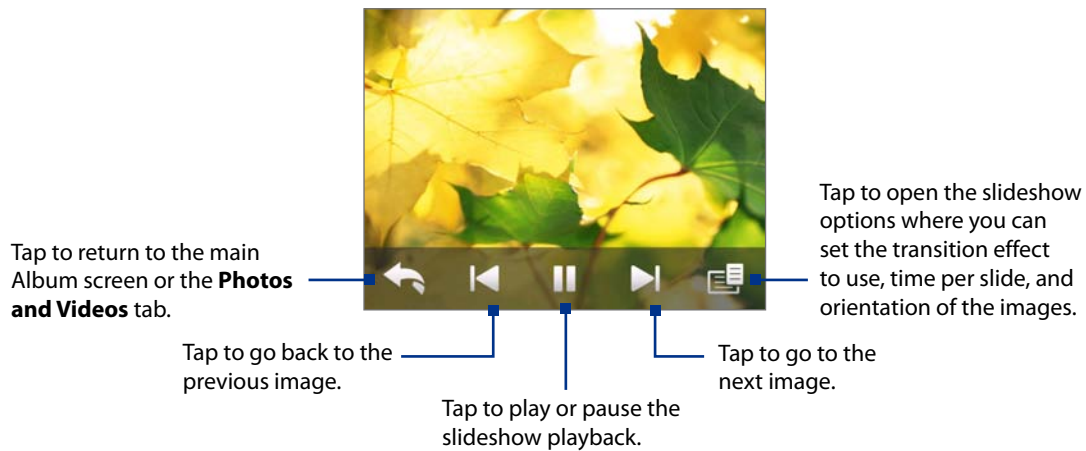
Slide your finger counter-clockwise to zoom out.

- Tips**
- When you zoom in on an image, double tap the screen to automatically zoom out and fit the image to the screen.
 - When you zoom in on an image, tap and hold the screen so you can pan the image.
 - You can also zoom in and out of the image by sliding your finger around the Navigation Control clockwise/ counterclockwise.
 - When you zoom in on an image, tap the screen to open the on-screen menu. On the on-screen menu, tap  and then select **Save Screen Image** to save the image on-screen as a new file.

To view still images as a slideshow

While viewing the slideshow, tap the screen to show playback controls.

Tip The screen orientation automatically switches to landscape mode when viewing a slideshow.



Tip If the images are in your favorite album, you can start the slideshow from the **Photos and Videos** tab on the Home screen. On the Photos and Video tab, tap **Slideshow**.



Play back video

While playing back video, tap the screen to show the playback controls.



Tip If the video is in your favorite album, you can start the video playback from the **Photos and Videos** tab on the Home screen. On the Photos and Video tab, tap **Play**.

Close Album

Close Album by tapping  on the main Album screen. When viewing files in full screen mode, tap the screen to show the on-screen menu or playback controls and then tap  to go back to the main Album screen.

11.3 Using Windows Media® Player Mobile

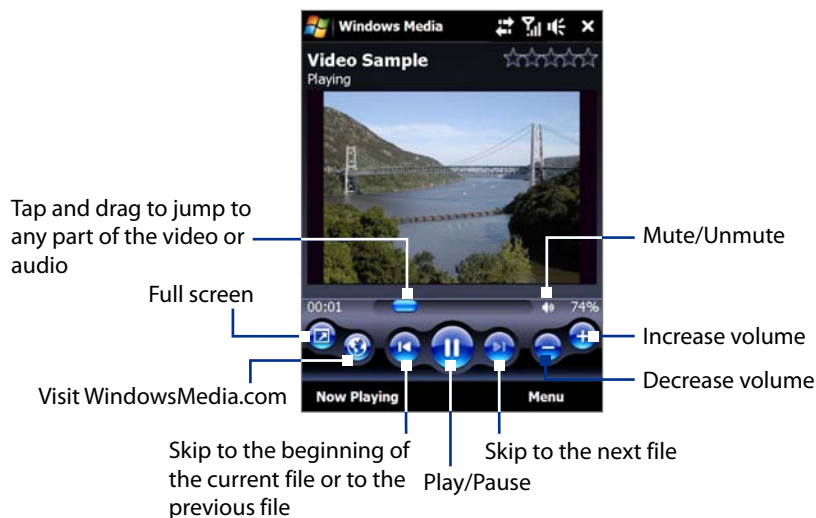
Windows Media® Player Mobile plays digital audio and video files that are stored on your device or on a network, such as on a Web site.

Video File Formats Supported	File Extensions
Windows Media Video	.wmv, .asf
MPEG4 Simple Profile	.mp4
H.263	.3gp, .3g2
H.264	.mp4, .3gp, .3g2, .m4v
Motion JPEG	.avi
Audio File Formats Supported	File Extensions
Windows Media Audio	.wma
WAVE	.wav
MP3	.mp3
MIDI and SP MIDI	.mid, .midi, .rmi
AMR Narrow Band	.amr, .3gp
AMR Wide Band	.awb, .3gp
AAC, AAC+, and eAAC+	.aac, .mp4, .m4a, .3gp
MPEG4 audio	.m4a
QCELP	.qcp, .3g2
EVRC	.qcp

To open Windows Media® Player Mobile

Tap **Start > Programs > Windows Media**.

About the controls



About the screens and menus

Windows Media® Player Mobile has three primary screens:

- **Playback screen.** The screen that displays the playback controls (such as Play, Pause, Next, Previous, and Volume) and the video window. You can change the appearance of this screen by choosing a different skin.
- **Now Playing screen.** The screen that displays the Now Playing playlist. This special playlist indicates the current file being played and any files that are “queued up” to play next.
- **Library screen.** The screen that lets you quickly find your audio files, video files, and playlists. It contains categories such as My Music, My Videos, My TV, and My Playlists.

At the bottom of each screen, you can open a **Menu**. The commands on this menu vary, depending on which screen you are viewing. For more information about the commands in these menus, see Help on your device.

Synchronize video and audio files

Use the latest version of Windows Media® Player on your computer to synchronize digital media files from your computer to your device. This ensures that protected files and album art (for skins) are copied to your device correctly.

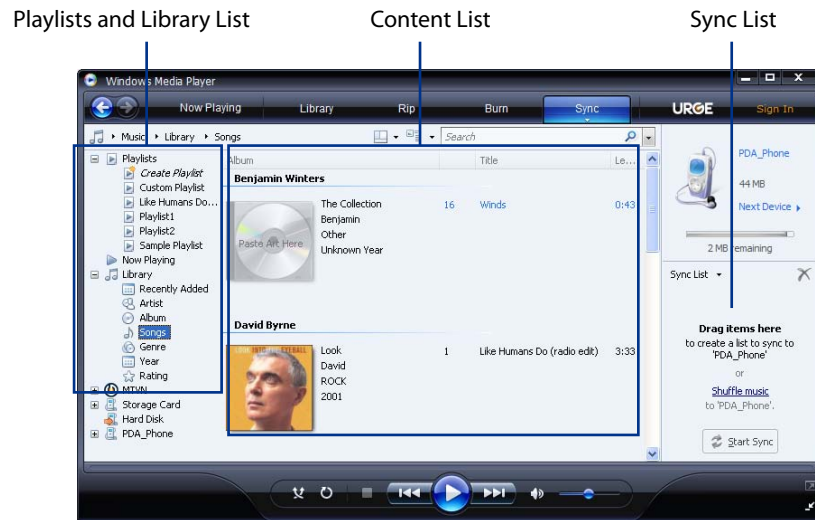
To synchronize content to your device automatically

1. On your computer, open Windows Media® Player, then connect your device to your computer.
2. In the Device Setup Wizard, select **Yes, search my computer now**.
 - Note** If you have previously opened Windows Media® Player and searched for media on your computer, you will not be prompted to search your computer in Step 2.
3. On the Device Setup dialog box, enter a name for your device and click **Finish**. Windows Media starts synchronizing the music files in the PC with the device.
4. Click **Stop Sync** and then on the left panel of Windows Media® Player, right-click the name of your device and click **Set Up Sync**.
5. Select the playlist(s) that you want to sync between your computer and device, then click **Add**.
 - Note** On the Device Setup dialog box, make sure that the **Sync this device automatically** check box is selected.
6. Click **Finish**.

The files will begin synchronizing to your device. The next time you connect your device to your computer while Windows Media® Player is running, synchronization will start automatically.

To synchronize content manually to your device

1. If you have not set up media synchronization between your device and computer, follow steps 1 to 3 in “To synchronize content to your device automatically”.
2. Click the **Sync** tab on the Windows Media® Player of your computer. Select a Playlist or a Library on the left panel of the Windows Media® Player.
3. From the Content List, drag the media files that you want to sync to your device and drop them to the Sync List.



4. Click **Start Sync** to start synchronizing the selected files to your device.

- Notes**
- Use Windows Media® Player 11 or higher on your computer to synchronize media files to your device.
 - Audio files copy faster if Windows Media® Player is configured to automatically set the quality level for audio files copied to your device. For more information, see the Windows Media® Player Help.

Play media

Use the Library to find and play songs, videos, and playlists that are stored on your device.

To update the Library

1. If you are not on the Library screen, tap **Menu > Library**.
2. On the Library screen, tap the Library arrow (near the top of the screen), then tap the media storage that you want use.
3. In most cases, Windows Media® Player Mobile automatically updates the library. However, you can manually update the library to ensure that it contains new files that you recently copied to your device. Tap **Menu > Update Library** to manually update the library list.

To play video and audio files on your device

1. Select a category (for example, My Music or My Playlists).
2. Tap and hold the item that you want to play (such as a song, album, or artist name), then tap **Play**.

- Tips**
- To play a media file that is stored on your device but is not in a library, on the Library screen, tap **Menu > Open File**. Tap and hold the item that you want to play (such as a file or a folder), then tap **Play**.
 - To play a media file from the Internet or a network server, tap **Menu > Library** then tap **Menu > Open URL**.

Playlists

In Windows Media® Player Mobile, you can create a new playlist by saving the current Now Playing playlist and giving it a new name.

To save a new playlist

1. If you are not on the Library screen, tap **Menu > Library**.
2. Tap to select a category (for example, My Music or My Playlists).
3. Select a media file that you want, then tap **Menu > Queue Up**. This adds the file to the Now Playing list. Repeat this step until you have added all desired media files to the Now Playing list.

Note You cannot select multiple files simultaneously.

4. After adding the media files, tap **Menu > Now Playing**.
5. On the Now Playing screen, tap **Menu > Save Playlist**.
6. Enter the playlist name, then tap **Done**.
7. To play back the playlist you created, tap My Playlists in the Library, select your playlist, then tap **Play**.

Troubleshooting

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

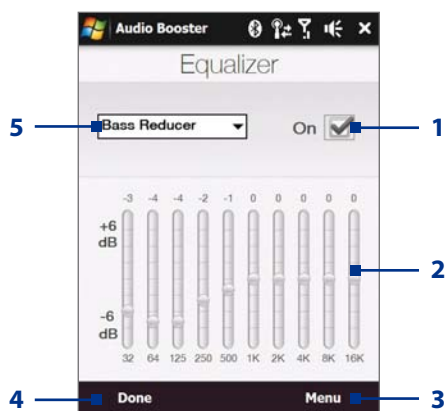
For more information, see the Troubleshooting Windows Media® Player Mobile page at the Microsoft Web site (<http://www.microsoft.com/windows/windowsmedia/player/windowsmobile/troubleshooting.aspx>).

11.4 Using Audio Booster

Audio Booster optimizes sound for a better listening experience. It provides preset moods, such as hip hop, jazz, rock, etc., and several enhancement presets that suit different types of music.

To access Audio Booster

Tap **Start > Programs > Audio Booster**.



This control	Does this
1 On	Select the check box to enable or disable the equalizer.
2 Frequency band	Drag the sliders to adjust the frequency.
3 Menu	<ul style="list-style-type: none"> • Tap Menu > Cancel to exit Audio Booster without applying the modified settings. • Tap Menu > Save as Preset or Delete Preset to save or delete preset equalizer settings.
4 Done	Tap to apply the modified settings.
5 Equalizer presets	Tap to choose the Equalizer preset to use.

To use a Equalizer preset

Tap the list box then select a desired preset.

To create a custom equalizer preset

1. Adjust the frequency bands to your desired values by dragging the equalizer controls. The selected values are indicated on top of the sliders.
2. Save your equalizer settings as a preset by tapping **Menu > Save as Preset**.
3. Enter a preset name and then tap **Done**. The preset you created will be added to the list box.

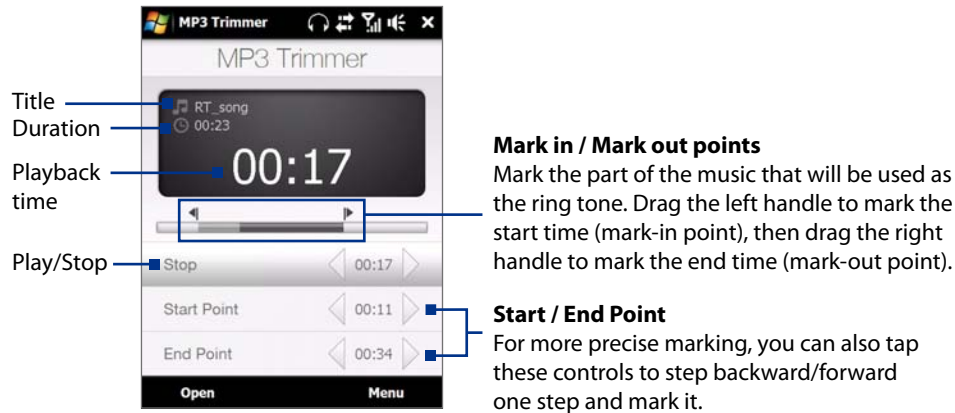
To delete a custom equalizer preset

1. Tap the list box then select the Equalizer preset you want to delete.
2. Tap **Menu > Delete Preset**.

Note You can only delete custom equalizer presets. Equalizer presets that are pre-installed cannot be deleted.

11.5 Using MP3 Trimmer

Use **MP3 Trimmer** to trim MP3 files. You can choose to save it as a new file or set it as a ring tone.



Mark in / Mark out points

Mark the part of the music that will be used as the ring tone. Drag the left handle to mark the start time (mark-in point), then drag the right handle to mark the end time (mark-out point).

Start / End Point

For more precise marking, you can also tap these controls to step backward/forward one step and mark it.

To trim the MP3 file

1. Tap **Start > Programs > MP3 Trimmer**.
2. Tap **Open** to find the MP3 file in the device.
3. On the MP3 Trimmer screen, use the stylus to adjust the **Mark in point** and **Mark out point**.
After you set the Mark in point, the song will play back starting from the Mark in point.
After you set the Mark out point, the song will play back starting from 5 seconds before the Mark out point.
4. Tap **Play** to play back the trimmed song.
5. Tap **Menu** and select to whether set the file as the default ring tone, save the file to the ring tone folder, or save it using another file name.

Tip If you only want to save the song to the ring tone folder for future use, tap **Save to Ring Tone Folder**. Later on, you can tap **Start > Settings > Personal tab > Phone** to set it as your ring tone.

Chapter 12

Programs on your Device

12.1 Programs on your Device

12.2 Adding and Removing Programs

12.3 Adobe® Reader® LE

12.4 Calendar

12.5 Contacts

12.6 Comm Manager

12.7 Microsoft® Office Mobile

12.8 Notes

12.9 Tasks












12.10 Voice Recorder

12.11 ZIP














12.1 Programs on your Device













The following are programs you can find on your device.

Programs in the Start Menu

Icon	Description
	Office Mobile Use the complete suite of Microsoft® Office applications for your mobile device.
	Excel Mobile Create new workbooks or view and edit Excel workbooks.
	OneNote Mobile Create notes with text, photos, and voice recordings.
	PowerPoint Mobile View PowerPoint slides and presentations.
	Word Mobile Create, view, and edit Word documents.
	Calendar Keep track of your appointments and create meeting requests.
	Contacts Keep track of your friends and colleagues.
	Internet Explorer Mobile Browse Web and WAP sites as well as download new programs and files from the Internet.
	Messaging Send and receive e-mail and text messages.
	Phone Make and receive calls, switch between calls, and set up conference calling. See Chapter 2 for details.
	Help See Help topics for the current screen or program.

Programs screen

Icon	Description
	Games Play these pre-installed games: Bubble Breaker , Teeter and Solitaire .
	ActiveSync Synchronize information between your device and a PC or the Exchange Server. See Chapter 5 and 7 for details.
	Adobe Reader LE View PDF (Portable Document Format) files on your device.
	Album View photos and videos that you captured using the device camera. See Chapter 11 for details.
	Audio Booster Enhances your music experience by providing you with controls for adjusting equalizer, 3D sound, treble, and bass settings. See Chapter 11 for details.
	Bluetooth Explorer Search for other Bluetooth devices that have file sharing enabled and access their Bluetooth shared folder. See Chapter 9 for details.
	Calculator Perform basic arithmetic and calculations, such as addition, subtraction, multiplication, and division.
	Camera Take photos and shoot video clips with accompanying audio. See Chapter 11 for details.
	File Explorer Organize and manage files on your device.
	Getting Started View a list of “how to’s” that you can reference to learn basic features and settings of your device.
	Messenger This is the mobile version of Windows Live™ Messenger. See Chapter 8 for details.
	MP3 Trimmer Trim MP3 files, and choose to save the trimmed music as a new file or set it as a ring tone. See Chapter 11 for details.
	Notes Create handwritten or typed notes, drawings, and voice recordings.

Icon	Description
	Opera Mobile This is the mobile version of the Opera browser. See Chapter 8 for details.
	Pictures & Videos View, organize, and sort pictures, animated GIFs, and video files on your device.
	QuickGPS Download satellite data over the Internet via ActiveSync (if your device is connected to a computer), Wi-Fi or a data connection to speed up the time for determining your current GPS position. See Chapter 10 for details.
	RSS Hub Download and read the latest Web feeds from the Internet. See Chapter 8 for details.
	Search Search contacts, data, and other information on your device.
	Tasks Keep track of your tasks.
	Voice Recorder Record your voice and send it via e-mail or beaming. You can also set the recorded voice as your ring tone.
	Windows Live Use this mobile version of Windows Live™ to find information on the Web. It also lets you sign into your Windows Live account so that you can access your Live Mail messages and send/receive instant messages in Live Messenger. See Chapter 8 for details.
	Windows Media Player Mobile Play back audio and video files. See Chapter 11 for details.
	WModem Connect your notebook computer to the Internet using your device's data connection.
	YouTube™ Search for uploaded videos in YouTube and play them on your device. See Chapter 8 for details.
	ZIP Save memory and free up storage space on your device by compressing files in the conventional ZIP format.

12.2 Adding and Removing Programs

Additional programs, such as the programs in the Applications disc or other programs that you purchase, can be installed and uninstalled on your device. Your device does not allow you to uninstall most of the preinstalled programs.

Note Before you purchase additional programs for your device, make sure that they are compatible with your device.

To install a program

1. Download the program to your computer (or insert the CD or disk that contains the program into your computer).
You may see a single *.exe file, a *.zip file, a **Setup.exe** file, or several versions of files for different device types and processors. Be sure to select only the programs designed for your device.
2. Read any installation instructions or documentation that comes with the program. Many programs provide special installation instructions.
3. Connect your device to the computer.
4. Double-click the installation setup file.

To uninstall a program

1. Tap **Start > Settings > System tab > Remove Programs**.
2. In the **Programs in storage memory** list, select the program you want to remove, then tap **Remove**.

12.3 Adobe® Reader® LE

Adobe® Reader® LE is an application for viewing PDF (Portable Document Format) documents on your device. It supports a subset of the features found in the PC versions of Adobe Reader.

To open Adobe Reader LE

Tap **Start > Programs > Adobe Reader LE**.







To open a PDF file on your device

- Open a PDF file in Adobe Reader LE; or
- Open File Explorer, find the PDF file, then tap the file to open it.


To navigate through a PDF document

You can use the controls in the program and finger gestures to navigate a PDF document.

- Tap **Tools > View > Continuous** and then slide your finger up or down the screen to scroll through the pages in the document.

Tip You can also drag the scroll bars to scroll through the pages.
- Tap  to zoom in or  to zoom out. After zooming in, slide your finger on the screen to pan the current page.
- Press Navigation up/down/right/left to move to the desired direction of the page.
- Tap  to return to the previous page; tap  to move to the next page. Tap  to jump to the first page; tap  to jump to the last page.
- Tap **Tools > Go To > Page Number** to enter a page number that you want to view.

To search for text in the document

1. Tap **Tools > Find > Text** or tap  in the toolbar.
2. Type in the text to be searched, then tap **Find**. The matched text in the document will be highlighted.
3. To view the next occurrence of the text, tap **Tools > Find > Next**.

- Tips**
- Adobe Reader LE displays a bookmark pane for the PDF files that contain bookmarks. Tap the bookmarks to go to a specific section/page within the file.
 - Adobe Reader LE supports password-protected PDF files with up to 128-bit encryption. When you open a password-protected PDF file, you will be prompted to enter the password before opening it.

12.4 Calendar

Use **Calendar** to create appointments, including meetings and other events. You can also synchronize Calendar appointments between your device and computer.

To open the Calendar screen

- On the TouchFLO 3D Home screen, tap **Calendar** or a displayed appointment; or
- Tap **Start > Calendar**.

Create appointments

To schedule an appointment

1. Open the Calendar screen and then tap **Menu > New Appointment**.
2. Enter a name for the appointment.
3. Do one of the following:
 - If it is a special occasion such as a birthday or a whole-day event, set the **All Day** option to **Yes**.
 - If there is a time frame for the appointment, set the start and end dates and times.
4. Specify the type of category for your appointment, so that it can be grouped with other related appointments. Tap **Categories**, then select a preset category (Business, Holiday, Personal, or Seasonal), or tap **New** to create your own category.

5. When finished, tap **OK** to return to the calendar.

- Notes**
- All-day events do not occupy blocks of time in Calendar; instead, they appear in banners at the top of the calendar.
 - To remove an appointment, tap **Menu > Delete Appointment**.

Tip To have the time entered automatically in Day view, tap and drag to select a time slot for the new appointment, and tap **Menu > New Appointment**.

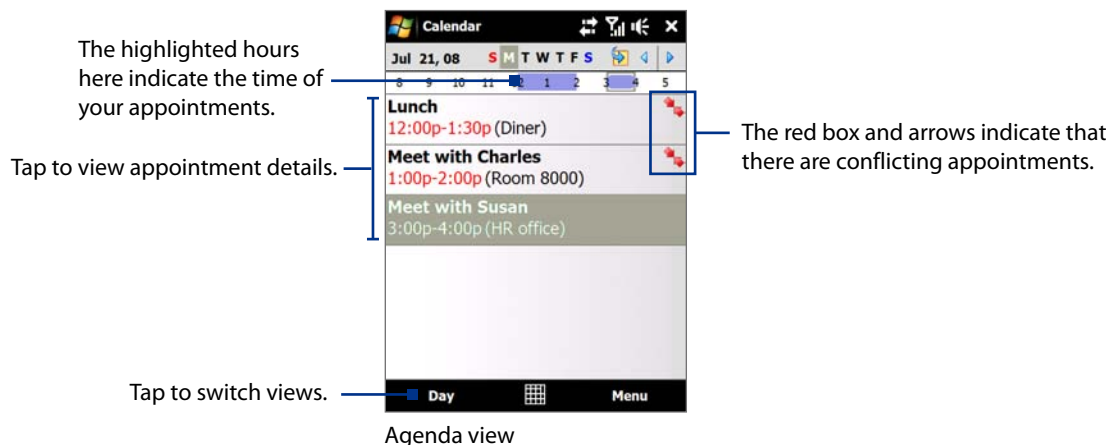
To set the reminder time for new appointments

By default, Calendar has been set to display a reminder alert when you have new upcoming appointments. You can change the reminder time.





1. Open the Calendar screen.
2. Tap **Menu > Tools > Options > Appointments** tab.
3. Make sure the **Set reminders for new items** check box is selected.
4. Set the time when you want the reminder to alert you.
5. Tap **OK** to return to the Calendar screen.

View appointments

By default, Calendar displays appointments in **Agenda** view. You can also look at your appointments in **Day**, **Week**, **Month**, and **Year** views.



- To see detailed appointment information in any view, tap the appointment.
- To view appointments by category, tap **Menu > Filter**, then select the desired category.
- To change the default view that Calendar uses to display appointments, tap **Menu > Tools > Options > General** tab. Tap the **Start in** box, then choose the calendar view.
- When in Month view, you will see the following indicators:

- | | | | |
|---|---------------------|---|---|
|  | Morning appointment |  | Afternoon or evening appointment |
|  | All-day event |  | Both morning and afternoon/evening appointments |

Send appointments

To send a meeting request

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

1. Open the Calendar screen.
2. Schedule a new appointment, or open an existing one and tap **Menu > Edit**.
3. Tap **Attendees**, then tap **Add Required Attendee** or **Add Optional Attendee** and add the contacts whom you want to invite.

Note You can specify if an attendee is required or optional only if your device is connected to a Microsoft Exchange 2007 server. Otherwise, all attendees are designated as required. For more information, see “Managing Meeting Requests” in Chapter 7.

4. When you have finished adding attendees, tap **Done**.

5. Tap **OK** to send.

Tip To choose the e-mail account to use for sending meeting requests, tap **Menu > Tools > Options > Appointments** tab. Tap the **Send meeting requests via** box and choose to send via your Outlook E-mail, POP3/IMAP4 or Windows Live™ account.

Notes

- If you're sending the meeting request using your Outlook E-mail account, it will be sent to the attendees the next time you synchronize your device with your computer or Exchange Server.

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

12.5 Contacts

Contacts is your address book and information storage for people and businesses you communicate with. You can add the following types of contacts to your device:

- **Outlook contacts.** Contacts that are stored on your device, which can be created on your device or synchronized with your PC or the Exchange Server.
- **Windows Live™ contacts.** Contacts that you communicate with using Windows Live™ Messenger or MSN.

Note You can only add Windows Live™ contacts after you have set up Windows Live™ on your device. See "Add Windows Live contacts" in Chapter 8 for details.

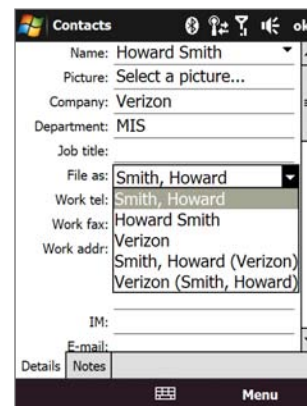
To open the Contacts screen

- On the TouchFLO 3D Home screen, slide to the **My Favorites** tab and then tap **All People**; or
- Tap **Start > Contacts**.

Add new contacts

To add a contact on your device

1. Open the Contacts screen.
2. Tap **New**, select **Outlook Contact**, and enter the contact information.
3. In the **File as** field, choose how you want the contact name to appear in the contact list.
4. To add a photo of the contact, tap **Select a picture**, and then select the picture file or tap **Camera** to take a photo of the contact.
5. To assign a ring tone to the contact, tap the **Ring tone** field, scroll through the list of tones, then select a desired tone.
6. When finished, tap **OK**.



- Tips**
- If a person who is not in your list of contacts called you and you want to save that person's phone number, tap and hold the phone number in the Call History and then tap **Save to Contacts** from the shortcut menu.
 - To save a phone number that is contained in a message, open the message, tap the underlined phone number, and then tap **Menu > Save to Contacts**.
 - To edit contact information, tap the contact name and then tap **Menu > Edit**.

Organize and search contacts

To group similar contacts

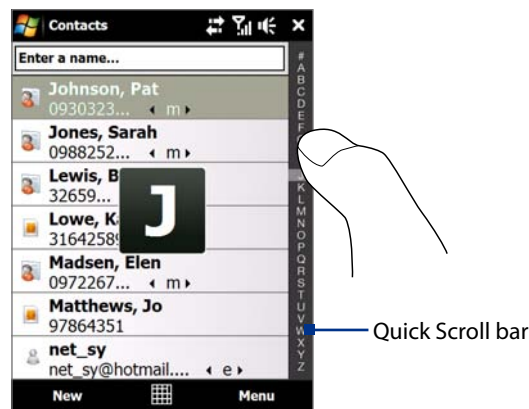
For easier management, you can group similar contacts by assigning them to categories.

1. Create a new Outlook contact or edit an existing Outlook contact.
2. Tap **Categories**.
3. Select a preset category such as Business or Personal, or tap **New** to create your own category.
4. When finished, tap **OK**.

To find a contact on your device

There are several ways to find a contact when your contact list is long:

- Begin entering a contact name in the provided text box until the contact you want is displayed.
- On the Quick Scroll bar on the right of the Contacts screen, scroll to or tap a letter to go directly to the part of the contacts list where contact names start with that letter.



Note You can disable the Quick Scroll bar by tapping **Menu > Options** and selecting the **Show alphabetical index** check box. This will show the alphabetical index at the top of the Contacts list.

- Filter the list by categories. In the contact list, tap **Menu > Filter**, then tap a category you've assigned to a contact. To show all contacts again, select **Menu > Filter > All Contacts**.

Share contact information

To beam a contact's details

You can quickly send contact information to another mobile phone or device through Bluetooth beaming.

1. On the Contacts screen, select a contact.
2. Tap **Menu > Send Contact > Beam**, then select a device where to beam the contact to.

Note Before beaming, make sure Bluetooth is turned on and set to visible mode on your device and the target mobile device. You can also beam contact information to your computer. See Chapter 9 for details.

12.6 Comm Manager

Comm Manager is a central location where you can easily turn on and off the communication features of your device such as the phone, Wi-Fi, data connection, Bluetooth, and more.

To access the Comm Manager

Do one of the following:

- On the TouchFLO 3D Home screen, slide to the **Settings** tab and then touch **Communications**.
- Touch **Start > Settings > Connections** tab > **Comm Manager**.



- 1 Switch Airplane Mode on or off. Turning on Airplane Mode turns off the phone, Wi-Fi and Bluetooth functions. For more information, see "To enable or disable Airplane Mode" in Chapter 2.
- 2 Switch the phone on or off. Tap **Settings > Phone** to set the ring tone and other phone settings. See Chapter 13 for details.
- 3 Switch Bluetooth on or off. Tap **Settings > Bluetooth** to configure Bluetooth on your device. See Chapter 9 for details.
- 4 Switch Wi-Fi on or off. Tap **Settings > Wireless LAN** to configure wireless network connection settings. See Chapter 8 for details.
- 5 Switch between automatically receiving (as items arrive) or manually retrieving Outlook e-mails. See Chapter 7 for details.
- 6 Disconnect active data connections. You cannot reconnect a data connection in Comm Manager.

12.7 Microsoft® Office Mobile

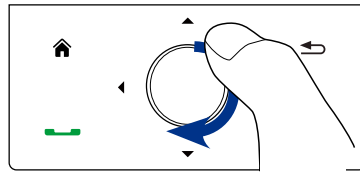
Microsoft® Office Mobile consists of the following applications:

- **Microsoft® Office Excel® Mobile** lets you create and edit Excel workbooks and templates on your device.
- **Microsoft® Office OneNote® Mobile** lets you create notes with text, photos, and voice recordings for synchronization later with Microsoft® Office OneNote® 2007 on your computer.
- **Microsoft® Office PowerPoint® Mobile** allows you to view (not create) slide show presentations in *.ppt and *.pps formats.
- **Microsoft® Office Word Mobile** lets you create and edit documents and templates in Word Mobile and save them as *.doc, *.rtf, *.txt, and *.dot files.

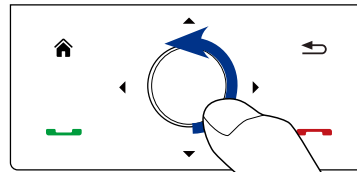
To use Microsoft Office Mobile

1. Tap **Start > Office Mobile**.
2. Tap the Office Mobile application that you want to use.

When working with Word Mobile and Excel Mobile files, you can use the Navigation Control on your device for zooming:



To zoom in, slide your finger clockwise around the Navigation Control.



To zoom out, slide your finger counterclockwise around the Navigation Control.

Word Mobile and Excel Mobile do not fully support some features of Microsoft® Office Word and Microsoft® Office Excel®. To see a complete list of features that are not supported in Word Mobile and Excel Mobile, see Help on your device.

- Tips**
- By default, Word Mobile saves documents in **.docx** format, while Excel Mobile saves workbooks in **.xlsx** format. If you want to open these types of files on a computer that uses Microsoft Office 2000, Office XP, or Office 2003, you need to download and install the **File Format Converter** in your computer. You can find this converter at <http://www.microsoft.com/downloads/details.aspx?FamilyId=941B3470-3AE9-4AEE-8F43-C6BB74CD1466&displaylang=en>.
 - If you want Word Mobile to save documents in **.doc** format, tap **Menu > Tools > Options** (or **Menu > Options** when no document is opened), then change the **Default template** to **Word 97-2003 Document (.doc)**.
 - If you want Excel Mobile to save workbooks in a format that is compatible with Microsoft Office 2000, Office XP, or Office 2003, tap **Menu > Options** (with no workbook opened), then change the **Template for new workbook** to **Blank 97-2003 Workbook**.

12.8 Notes

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

To create a note

1. Tap **Start > Programs > Notes**. In the note list, tap **New**.
2. Choose an input method and then enter your text.

Tip For more information about input methods and entering text, see Chapter 4.

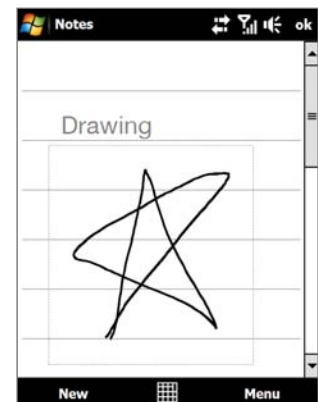
3. When finished, tap **OK** to save and return to the note list.

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

To draw in a note



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

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



To record a voice note

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

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

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

12.9 Tasks

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

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

To create a task

1. Tap **Start > Programs > Tasks**.
2. Tap **Menu > New Task**, enter a subject for the task, and fill in information such as start and due dates, priority, and so on.
3. Specify the type of category for your task, so that it can be grouped with other related tasks. Tap **Categories**, then select a preset category (Business, Holiday, Personal, or Seasonal), or tap **New** to create your own category.
4. When finished, tap **OK**.

To change the priority of a task

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

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

Note All new tasks are assigned a Normal priority by default.

To show start and due dates in the task list



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

12.10 Voice Recorder

Voice Recorder lets you record your voice and quickly send it as e-mail attachment, beam it via Bluetooth, or set the recorded voice as your ring tone.

Note Voice Recorder saves voice recordings in AMR-NB (Adaptive Multi-Rate Narrowband) format only. This is a common speech audio format used in mobile devices.

To record your voice


1. Tap **Start > Programs > Voice Recorder**.
2. Hold the device's microphone close to your mouth.
3. Touch **Record** or  to start recording. Tap **Stop** or  to end the recording.


To select or create a folder where to save voice recordings

By default, all recordings are saved in the **My Voices** folder. You can choose another folder or create a new folder to save your voice recordings.

1. Tap the arrow beside the folder name on the top-left of the screen.
2. In the menu that opens, choose an existing folder or touch **Add/Delete** to create a new folder.

To play back a voice recording

On the Voice Recorder screen, touch a voice recording, or navigate to a voice recording and then tap **Play** ().

Tip If you need to adjust the sound volume, touch any of the status icons on the title bar and then touch the **Speaker** icon () to open the System Volume screen where you can adjust the volume.

To send a voice recording via e-mail

Select a voice recording, tap **Menu > Send**, and then select an e-mail account. This creates a new e-mail message with the voice recording inserted as a file attachment.

See "Using E-mail" in Chapter 6 to learn how to send e-mails.

To beam a voice recording via Bluetooth

1. Select the voice recording you want to beam, then tap **Menu > Beam File**.

Tip To select multiple recordings, tap and drag over the desired recordings or tap **Menu > Select All**.
2. Tap the device you want to send the voice recording to.
3. On the other device, accept the file transfer to receive the file.

To set a voice recording as ring tone

Select the voice recording, then tap **Menu > Set as Ringtone**.

To rename or move a recording

1. Select the voice recording, then tap **Menu > Rename/Move**.

Tip To select multiple recordings, tap and drag over the desired recordings or tap **Menu > Select All**. Note that you can move multiple files, but you cannot rename multiple files simultaneously.
2. In **Name**, enter the new voice recording name.
3. To move the voice recording, select the new destination **Folder** and **Location**.
4. Tap **OK**.

12.11 ZIP

The **ZIP** program increases the storage capacity of your device by allowing you to compress files in the conventional ZIP format. It also allows you to extract files from a zip file.

To start ZIP on your device

Tap **Start > Programs > Zip**.

Each time you start ZIP, it searches for files that have the .zip file extension, and displays these files on the Archive List screen.

To open a ZIP file and extract files

1. Touch a zip file to open it, or navigate to a zip file and then touch **File > Open Archive**.
Note You cannot select multiple ZIP files.
2. From the zip file, select files by doing one of the following:
 - Touch a file to select it.
 - To select several files, touch **Menu > Action** and make sure **Multi-Select Mode** is selected. Select files by touching each file. (Touch a selected file to deselect it).
 - To select all files, touch **Menu > Action > Select All**.
3. Touch **Menu > Action > Extract**.
4. Choose a folder where the files will be extracted to, then touch **Extract**.
5. Touch **Menu > File > Close Archive** to close the zip file.

To create a new zip archive

1. Touch **File > New Archive**.
2. On the Save As screen, enter the zip file name and choose a folder where you want to save it.
3. Touch **Save**.
4. Touch **Menu > Action > Add**.
5. Navigate to the folder that contains the files you want to archive.
6. Select files to add by doing one of the following:
 - Touch a file to select it.
 - To select several consecutive files, drag over the files.
 - To select several non-contiguous files, use the stylus to tap and hold on the screen and then select **Multi-Select Mode**. Select files by tapping each file. (Tap a selected file to deselect it).
 - To select all files, use the stylus to tap and hold on the screen and then tap **Select All**.
7. Touch **Add**.
8. Touch **Menu > File > Close Archive** to save and close the zip file.

Chapter 13

Managing Your Device

13.1 Copying and Managing Files

13.2 Settings on your Device

13.3 Changing Basic Settings

13.4 Using Task Manager

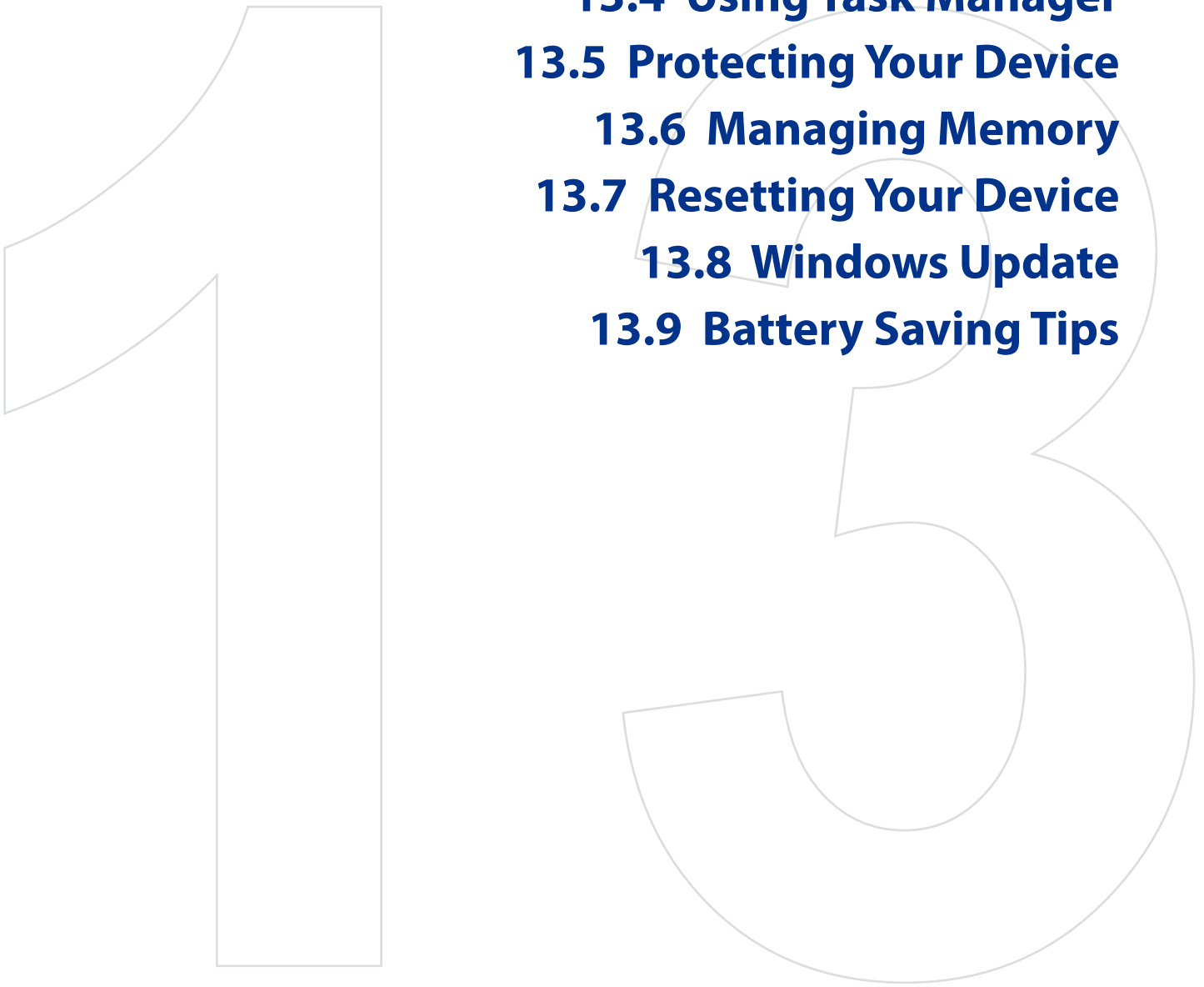
13.5 Protecting Your Device

13.6 Managing Memory

13.7 Resetting Your Device

13.8 Windows Update

13.9 Battery Saving Tips



13.1 Copying and Managing Files

You can copy files between your device and computer. You can also efficiently manage your files and folders using File Explorer.

To copy files using Windows Mobile Device Center or ActiveSync

1. Connect your device to the computer.
2. Click **File Management > Browse the contents of your device** in Windows Mobile Device Center on your computer, or click **Explore** in ActiveSync on your computer. This opens Windows Explorer on your computer and displays the contents of your device.
3. To copy a file from your device to your computer:
 - a. Browse the contents of your device, right-click the file you want to copy, then click **Copy**.
 - b. Right-click a folder on your computer, then click **Paste**.
4. To copy a file from your computer to your device:
 - a. Browse the folders on your computer, right-click the file you want to copy, then click **Copy**.
 - b. Right-click a folder on your device, then click **Paste**.

To manage files on your device using File Explorer










File Explorer lets you browse and manage the contents of your device. The root folder on the device is named **My Device**, and contains the following folders: My Documents, Program Files, Windows, and more.

1. Tap **Start > Programs > File Explorer**.
2. Tap a folder or file to open it.
3. To return to an upper level folder, tap **Up** and select the folder.
4. To quickly delete, rename, or copy a file, tap and hold the file, then choose the desired operation on the shortcut menu. To copy or delete multiple files, tap and drag over the desired files to select, tap and hold the selection, then choose the desired operation on the shortcut menu.

13.2 Settings on Your Device

You can adjust the device settings to suit the way you work. To see all available settings, slide to the **Settings** tab on the Home screen and tap **All Settings**.









Personal tab

Icon	Description
	Buttons Assign a program or function to a hardware button.
	Input Set options for each of the input methods.
	Lock Set a password for your device.
	Menus Set which programs will appear in the Start menu.
	Owner Information Enter your personal information on your device.
	Phone Customize phone settings such as ring tone, and more.
	Sounds & Notifications Enable sounds for events, notifications, and more, and set the type of notification for different events.
	Today Customize the appearance and the information to be displayed on the Home screen.
	Voice Command Choose which functions you want to access by speaking out voice commands.

System tab

Icon	Description
	About This is where you can see basic information such as the Windows Mobile® version and type of processor used on your device. You can also specify a name for your device.
	Certificates See information about certificates that are installed on your device.
	Clear Storage Reset your device to factory default settings.
	Clock & Alarms Set the device clock to the date and time of your locale or to a visiting time zone when you're traveling. Alarms can also be set at specified days and times of a week.
	Customer Feedback Send feedback to the Customer Experience Improvement Program of Microsoft.
	Device Information See information about the firmware version, hardware, identity, and the duration of calls made on your device.
	Error Reporting Enable or disable the device's error reporting function. When this function is enabled and a program error occurs, technical data about the state of the program and your computer will be logged in a text file and delivered to Microsoft's technical support if you choose to send it.
	External GPS Set the appropriate GPS communication ports, if required. You may need to do this when there are programs on your device that access GPS data or you have connected a GPS receiver to your device. See Help for details.
	Key Lock Lock the buttons on your device except for the POWER button when the device is in Sleep mode. This ensures you will not switch the device on by accident and consume unnecessary power.
	Long Press End Key Choose the desired function to be executed (for instance, lock the device) when pressing and holding the END key.
	Managed Programs Displays the programs that were installed on your device using System Center Mobile Device Manager.
	Memory Check the device memory allocation status. You can also stop currently running programs.
	Microphone AGC Adjust the volume of your voice automatically when you are recording.
	Power Check the remaining battery power. You can also set the brightness of the backlight and timeout for turning off the display (switching device to Sleep mode) to conserve battery power.
	Regional Settings Set the regional configuration to use, including the format for displaying numbers, currency, date, and time on your device.
	Remove Programs Remove programs that you installed on your device.
	Screen Re-calibrate the screen, apply ClearType, and change the screen text size.
	Task Manager Stop running programs and set the () button to end programs immediately when you tap the button. For more information, see "Using Task Manager" in this chapter.
	TouchFLO You can enable or mute the finger scrolling and panning sound. You can also enable or disable the large Start menu, and choose to show or hide the System Status screen when title bar icons are tapped.
	Windows Update Link to Microsoft's Web site and update Windows Mobile® on your device with the latest security patches or fixes, if they are available.

Connections tab

Icon	Description
	Beam Set your device to receive incoming Bluetooth beams.
	Bluetooth Turn Bluetooth on, set your device to visible mode, and scan for other Bluetooth devices.
	Comm Manager Manage your device's connections (including data connection and Bluetooth), turn the phone on or off, and enable or disable the Direct Push function.
	Connections Set up one or more types of modem connections for your device, such as phone dial-up, and more, so that your device can connect to the Internet or a private local network.
	Domain Enroll Enroll your device in your company's domain to let System Center Mobile Device Manager to manage the device. Please ask your Server Administrator for more details.
	USB to PC Set the type of USB connection to your PC. Select the ActiveSync option for synchronising data, or use Disk Drive mode for transferring files.
	Wi-Fi Scan for available wireless networks.
	Wireless LAN See information about the active wireless network, and customize Wi-Fi settings.

13.3 Changing Basic Settings

Date and time

To set the date and time

1. On the Home screen **Home** tab, tap the time display and then tap the **Time** tab.

Tip Tap the **More** tab and select the **Display the clock on the title bar in all programs** option to show the clock on all screens.

2. Select the correct time zone and change the date or time.

Note During synchronization, the time on your device is updated with the time on your computer.

To set the date and time for a different location

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

1. On the Home screen **Home** tab, tap the time display and then tap the **Time** tab.
2. Tap **Visiting**.
3. Select the correct time zone and change the date or time.

Regional settings

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

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Regional Settings > Region** tab and then select your region from the list. The region you select determines which options will be available on the other tabs.

Note This does not change the language of your device's operating system.

3. To customize regional settings further, tap the appropriate tabs and set the desired options.

Display settings

To adjust the screen brightness

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Power > Backlight** tab.
3. Adjust the brightness by dragging the slider under **On battery power** and **On external power**.

To set the backlight to dim after a time delay

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Power > Advanced** tab.
3. In **On battery power** and **On external power**, select the **Turn off backlight if device is not used for** check box, then specify the time delay.

To increase or decrease the size of text on the screen

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Screen > Text Size** tab.
3. Move the slider to increase or decrease the text size.

Device name

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

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

Note If you synchronize multiple devices with the same computer, each device must have a unique name.

To change the device name

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **About > Device ID** tab.
3. Enter the device name.

Notes

- The device name must begin with a letter, consist of letters from **A** to **Z**, numbers from **0** to **9**, and cannot contain spaces. Use the underscore character to separate words.
- If you enroll your device to your company's domain, the device name will be changed to be the same as the one used to enroll the device.

Ringer settings

To change the ring type and ring tone

1. On the Home screen, slide to the **Settings** tab and then tap **Sound**.
2. Scroll down and then tap **Ring Type**. Select the Ring Type you want to use and then tap **Done**.
3. Tap **Ringtone** and then select the ringtone you want to use.
4. Tap **Done**.

Tips


- You can use ***.wav**, ***.mid**, ***.mp3**, ***.wma**, or other types of sound files that you downloaded from the Internet or copied from your computer as ring tones. For a complete list of supported audio file formats for ring tones, see "Specifications" in the Appendix.
- To use your sound files as ring tones, copy them first to the **/My Documents/My Ringtones** folder on your device, then select the sound from the **Ring tone** list of your device. For more information about copying files, see "Copying and Managing Files" in this chapter.

Alarms and notifications

To set an alarm

1. On the Home screen **Home** tab, tap the time display and then tap the **Alarms** tab.
2. Tap **<Description>** and enter a name for the alarm.
3. Tap the day of the week for the alarm. Select multiple days by tapping each desired day. Tap again to deselect the day.
4. Tap the time to open a clock and set the time for the alarm.

Tip You can drag the hour and minute hands of the clock to set the time.

5. Tap the alarm icon () to specify the type of alarm you want. You can choose a flashing light, a single sound, a repeating sound, or vibration.
6. If you choose to play a sound, tap the list next to the **Play sound** check box and tap the sound you want.

To choose how to be notified about events or actions

1. On the Home screen, slide to the **Settings** tab and then tap **Sound > Advanced**.
2. On the **Sounds** tab, choose how you want to be notified by selecting the appropriate check boxes.
3. On the **Notifications** tab, in **Event**, tap an event name and choose how you want to be notified by selecting the appropriate check boxes. You can choose from several options, such as a special sound, a message, or a flashing light.

Tip Turning off sounds and flashing light notifications helps conserve battery power.

Phone services

Your device can directly link to the mobile phone network, and enable you to access and change the settings of various phone services for your device. Contact your wireless service provider to find out about the availability of phone services for your device.

To access and change settings of phone services

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **Personal** tab, tap **Phone > Services** tab.
3. Select the service you want to use, then tap **Get Settings**.
4. Choose your desired options, then tap **OK**.

The following are some of the optional phone services that you may find on your device. For more information about customizing settings of phone services, see Help on your device.

Phone Services	Usage
Location Setting	Allow the mobile phone network to detect your current location via your device's built-in GPS chip. This is especially useful in times of emergency.
Network Service	Choose whether to restrict your device to phone calls from your home network only.
TTY Mode	Allow the use of a TTY (teletypewriter) device with the device for users who are visually or hearing impaired.
Time Synchronization	Choose whether or not to synchronize the time on your device with the mobile network.
Plus Code Dialing	This allows easy dialing when making international calls. For more information, see "To customize plus code dialing".

To customize plus code dialing

You can customize how phone numbers that begin with a plus "+" sign will be dialed.

1. Tap **Start > Settings > Personal** tab > **Phone > Services** tab.
2. Select **Plus Code Dialing**, then tap **Get Settings**. The following screen then appears:
3. To place local and international calls from the United States, select **Enable**.


When you place calls, the "+" sign at the beginning of phone numbers that you dial will be replaced as follows:

- When you enter a long distance phone number that starts with "+1", the "+" will be removed and the rest of the number will be dialed. For example, if you entered +1 416 123 4567, the number to be dialed will be 14161234567.
- When you enter an international phone number that starts with a "+" followed by a digit other than 1, the "+" will be replaced with the United States international dialing code, which is already set by default. For example, if you entered +58 212 123 4567, the number to be dialed will be 011582121234567.


- To place calls to the United States from another country, select **Disable** and change the **International dialing code** to the one used by the country where you are in.
So when you dial a phone number that starts with “+” followed by any digit (0 - 9), the “+” will be replaced with the international dialing code of the country where you are in.

Tip If you modified the international dialing code, you can tap **Reset** to change it back to the default.

13.4 Using Task Manager

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

To open Task Manager

- Tap the **Quick Menu** button on the top right corner of the Home screen to open the Quick Menu, then tap .
- On the Home screen, slide to the **Settings** tab and then tap **All Settings**. On the **System** tab, tap **Task Manager**.

To switch back to a running program



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

To configure the Exit () button

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

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

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

- Choose the action for shutting down programs (by tapping the  button, or by tapping and holding the  button).
- Tap **OK**.

To close running programs from the Task Manager

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

Tip You can also close running programs from the Quick Menu on the Home screen. See “Quick Menu” in Chapter 1 for details.

To add a running program to the exclusive list

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

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

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

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

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

13.5 Protecting Your Device

Protect your device with a password

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

To set a device password

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **Personal** tab, tap **Lock**.
3. Select the **Prompt if device unused for** check box, then specify the idle time before the device requires a password.
4. In the **Password type** box, select the type of password you would like to use.

Tip If your device is configured to connect to a network, use an alphanumeric password for increased security.

5. Enter the password in both the **Password** and **Confirm** boxes.
6. Tap **OK**. The next time the device is turned on, you will be prompted to enter your password.

- Notes**
- To ensure that you can always make emergency calls, do not begin your password with the digits of your local emergency number.
 - If you entered a hint, the hint will be displayed after the wrong password is entered five times.
 - Each time a wrong password is entered, the device response time gets longer until the device appears to be not responding.
 - If you forget your password, you can hard reset or clear the device memory. Before you do this, make sure you back up your data and files so that you can restore them back to your device. For more information about hard resetting the device and clearing the memory, see "Resetting Your Device" in this chapter.

13.6 Managing Memory

To see how much memory is available for use

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Memory > Main** tab. The amount of memory allocated to data storage versus program storage is displayed, as well as the amount of memory in use versus the available memory.

To see the available space of the storage card

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Memory > Storage Card** tab.

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

- Close programs which are not in use.
- Move files and e-mail attachments to a storage card.
- Delete unnecessary files. Tap **Start > Programs > File Explorer**. Tap and hold the file, and tap **Delete**.
- Delete large files. To find large files on your device, tap **Start > Programs > Search**. In the **Type** list, tap **Larger than 64 KB**, and tap **Search**.
- In Opera Mobile or Internet Explorer Mobile, delete temporary Internet files and clear history information.

- Remove programs you no longer use.
- Reset your device.

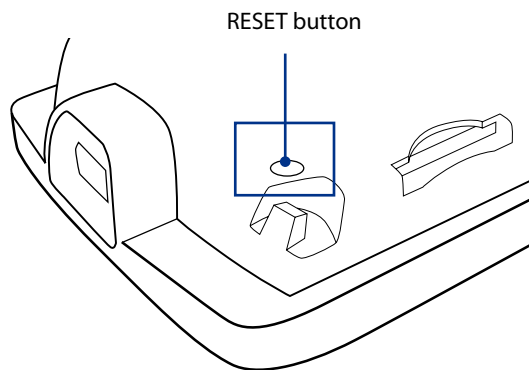
13.7 Resetting Your Device

Soft reset

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

To perform a soft reset

1. Pull out the stylus.
2. Remove the back cover.
3. Use the stylus to press the RESET button located at the bottom of the back side of the device. Your device restarts and displays the Home screen.



Hard reset

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

Warning! Your device will be set back to factory default settings. Make sure that any additional installed programs and/or user data have been backed up before you perform a hard reset.

To perform a hard reset

1. Turn off the power.
2. Press and hold the VOLUME DOWN and ENTER keys, and then press the POWER key.
3. Release the POWER key, but continue pressing the VOLUME DOWN and ENTER keys until you see the following message on the screen:

```
This operation will delete
all your personal data,
and reset all settings
to manufacturer default.
Press VolUp to restore
manufacturer default, or
press other keys to cancel.
```

4. Release the VOLUME DOWN and ENTER buttons, then press the VOLUME UP button to perform the hard reset, or press any other button to cancel the reset.

Clear Storage

Another way of clearing the device storage and reset all settings back to factory default settings is to use the Clear Storage feature. You will lose all your data and files on the device storage when you use Clear Storage, so make sure to do a backup first.

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Clear Storage**.
3. Enter "1234" and then tap **Yes**.

13.8 Windows Update

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

To set up Windows Update

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

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Windows Update**.
3. On the Update Setup screen, tap **Next**.
4. Choose how you want to check for updates, **Manual** or **Automatic**, then tap **Next**.

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

5. Tap **Finish**.

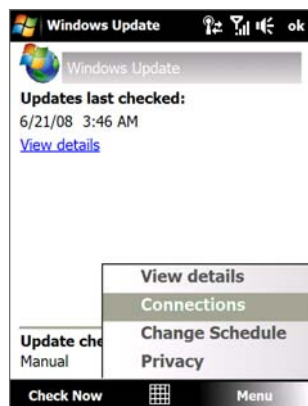
To check for updates

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Windows Update**.
3. Tap **Check Now**.

Note Windows Mobile® updates may not be available at all times. Check the Windows Mobile® Web site for update information.

To change Windows Update options

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Windows Update**.
3. Tap **Menu** and select the option you want to change.



- Tap **Connections** to change how the device connects to the Internet when checking for updates.
- Tap **Change Schedule** to change how Windows Update checks for Windows Mobile® updates.

13.9 Battery Saving Tips

How long your battery power lasts depends on the battery type and how you use your device. Try the following to help conserve battery life:

- When the device is not in use, press POWER to switch off the display.
- On the Home screen, slide to the **Settings** tab and then tap **All Settings**. On the **System** tab, tap **Power > Advanced** tab of the Power settings screen. Here, you can specify the time before your device automatically turns off the display and backlight to conserve battery power. For optimum conservation, specify 3 minutes or less.
- On the Home screen, slide to the **Settings** tab and then tap **All Settings**. On the **System** tab, tap **Power > Backlight** tab to adjust the backlight brightness settings.
- Use the AC adapter to plug your device into an external power outlet whenever possible, especially when using a modem or other peripherals.
- Turn Bluetooth off when you are not using it. Make your device visible to other devices only when you are trying to establish a Bluetooth partnership. For more information about Bluetooth, see Chapter 9.
- Lower the volume.
- Close battery-intensive programs, such as the Camera, when you are done using them. Make sure the programs are ended and are not continuously running in the background. Refer to “Using Task Manager” in this chapter for information on closing programs.

Appendix

A.1 Specifications

A.2 Regulatory Notices

A.3 Additional Safety Information

A.1 Specifications

System Information	
Processor	Qualcomm® MSM7500A™ 528 MHz
Memory	<ul style="list-style-type: none"> – ROM : 256 MB – RAM : 192 MB DDR RAM <p>Note: Figures are the total ROM and RAM memory available for use and storage. Since the memory is shared by the operating system, applications, and data, the actual available memory is less than what is specified.</p>
Operating System	Windows Mobile® 6.1 Professional
Power	
Battery	Rechargeable Lithium-ion battery, 1340 mAh
Battery Life (estimates)	Standby time: Up to 350 hours Talk time: Up to 250 minutes (The above are subject to network and phone usage.)
AC Adapter	Voltage range/frequency: 100 - 240V AC, 50/60 Hz DC output: 5V and 1A
Communications	
Network	CDMA2000 1xEVDO/1xRTT and IS-95A/B voice or data Dual-band (800 and 1900 MHz)
Internal Antenna	Yes
Physical	
Dimensions	101.1 mm (L) X 51.1 mm (W) X 13.95 mm (T)
Weight	125.5 g (with battery)
Display	
LCD Type	2.8-inch TFT-LCD flat touch-sensitive screen
Resolution	480 x 640 VGA resolution
Camera Module	
Type	3.2 megapixel color camera with auto focus
Resolution	<ul style="list-style-type: none"> • Photo: 3M (2048 x 1536); 2M (1600 x 1200); 1M (1280 x 960); VGA (640 x 480); QVGA (320 x 240) • Video: CIF (352 x 288); QVGA (320 x 240); QCIF (176 x 144); Sub-QCIF (128 x 96)
Digital Zoom	Up to 4X
Connections	
I/O Port	HTC ExtUSB™ (11-pin mini-USB and audio jack in one; USB 2.0 high speed)
Wireless Connections	<ul style="list-style-type: none"> • Bluetooth® 2.0 with EDR • Wi-Fi® (IEEE 802.11 b/g)
Audio	
Microphone/Speaker	Built-in
Ring tone	<ul style="list-style-type: none"> • Supports MP3, AAC, AAC+, eAAC+, WMA, WAV, AMR-NB, AMR-WB, QCP, MIDI, MPEG-4 formats • 40 polyphonic and standard MIDI format 0 and 1 (SMF) / SP MIDI
Supported Playback Formats	<ul style="list-style-type: none"> • Windows Media® Player: MP3, MPEG-4, AAC, AAC+, eAAC+, WMA, WAV, AMR, AMR-NB, AMR-WB, AWB, SP-MIDI • TouchFLO™ 3D: MP3, MPEG-4, WMA, AAC, AAC+
Controls	

Device Control	<ul style="list-style-type: none"> • TouchFLO™ 3D • Touch-sensitive navigation control with ENTER button • HOME button • BACK button • Phone buttons: TALK/SEND and END • POWER button • VOLUME CONTROL buttons • RESET button
Others	
Special Features	GPS and A-GPS ready (GPS navigation software not included)

A.2 Regulatory Notices

Regulatory Agency Identifications

For regulatory identification purposes, your product is assigned a model number of **DIAM400**.

To ensure continued reliable and safe operation of your device, use only the accessories listed below with your **DIAM400**.

The Battery Pack has been assigned a model number of **DIAM171**.

Note This product is intended for use with a certified Class 2 Limited Power Source, rated 5 Volts DC, maximum 1 Amp power supply unit.

Federal Communication Commission Interference Statement

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

IMPORTANT NOTE

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except the transmitters built-in with the device.

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids. The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

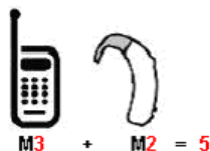
The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings. DIAM400 is rated M4.

Please power off the Bluetooth function while using hearing aid devices with your DIAM400.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for better use. A sum of 8 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

For information about hearing aids and digital wireless phones

FCC Hearing Aid Compatibility and Volume Control:

<http://www.fcc.gov/cgb/dro/hearing.html>

Gallaudet University, RERC:

<https://fjallfoss.fcc.gov/oetcf/eas/reports/GenericSearch.cfm>

SAR Information

0.853 W/KG @1g (HEAD)

0.488 W/KG @1g (BODY)

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 the HTC Corporation. accessories supplied or designated for this product. Use of other accessories may not ensure compliance with the FCC RF exposure guidelines.

Your wireless mobile CDMA 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.

The exposure standard for wireless mobile CDMA phone employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg*.

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 <https://fjallfoss.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> after searching on FCC ID: NM8DIAM400. Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web-site as <http://www.phonefacts.net>.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web-site as <http://www.phonefacts.net>.

* In the U.S. and Canada, the SAR limit for mobile CDMA phone 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.

Normal condition only to ensure the radiative performance and safety of the interference. As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 1.5 cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Telecommunications & Internet Association (TIA) Safety Information

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.
-

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn the phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

WEEE Notice

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

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



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

RoHS Compliance

This product is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

A.3 Additional Safety Information

This section provides more safety information in addition to the information at the beginning of the user manual.

When Driving

Do Not Use The PC Functions Of Your Pocket PC While Driving Or Walking

Never use the personal computer functions of your device while driving an automobile or any other moving vehicle. Always pull out of traffic and come to a stop in a legally permissible and safe location before using your device. Failure to do so could result in serious bodily injury in a traffic accident.

When driving:

- Always secure your device in its leather pouch.
- Never place your device on the passenger seat or anyplace else in the car where it can become a projectile during a collision or stop.
- An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Never store or transport flammable liquids, gases or explosive materials in the same compartment of your automobile as the device or any of its accessories, as possible sparking in the device could cause ignition or explosion.

Never use your device while walking. Usage while walking could result in bodily injury caused by inattention to automobile traffic or other pedestrian hazards.

Using The Phone Function Of Your Pocket PC While Driving Is Extremely Dangerous

Talking on or using your device while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them.

If you must use the phone function while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation and/or one-touch, speed dialing, and auto answer modes.
- Pull off the road and park before making or answering a call.

WARNING! Failure to follow these instructions could lead to serious personal injury and possible property damage.

When Using Your Device Near Other Electronic Devices

Your wireless handheld portable device is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless device; therefore, use of your device must be restricted in certain situations.

In addition, the computer portion of your device produces low levels of RF energy due to the generation of digital timing pulses by its clock oscillator circuits. Your device has been equipped with internal shielding to minimize stray emissions of RF energy. However, use of the computer functions of your device must be restricted in certain situations.

PACEMAKERS

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Never come closer than six (6) inches to a person with a heart pacemaker implant when using your device. Doing so could result in interference with the function of the pacemaker.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
 - Note** This is not necessary if the device is not held to the ear.
- If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.

HEARING AIDS

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

For more regulatory information about hearing devices, see "FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices".

OTHER MEDICAL DEVICES

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

HOSPITALS AND HEALTH CARE FACILITIES

Turn your device OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

ELECTRONIC DEVICES IN VEHICLES

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

POSTED FACILITIES

Turn your device OFF where posted notices so require.

Turn Off Your Device Before Flying

AIRCRAFT

FCC regulations prohibit using the transmitting and phone functions of your device while in the air. In addition, most airline regulations prohibit the on-board use of portable PCs (and all other portable electronic devices that could potentially emit stray RF energy), particularly during take-offs and landings, to prevent any possible interference with the reception of signals by airborne electronic navigational devices.

Turn your device OFF before boarding an aircraft. Always request and obtain prior consent and approval of an authorized airline representative before using your device aboard an aircraft. Always follow the instructions of the airline representative whenever using your device aboard an aircraft, to prevent any possible interference with airborne electronic equipment.

Turn Off Your Device in Dangerous Areas

BLASTING AREAS

To avoid interfering with blasting operations, turn your device OFF when in a “blasting area” or in areas posted “Turn off two-way radio”. Obey all signs and instructions.

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your device OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or articles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle’s engine.

General Safety

Your pocket PC is a high quality piece of equipment. Before operating, read all instructions and cautionary markings on the product, battery and adapter/charger.

Failure to follow the directions below could result in serious bodily injury and/or property damage due to battery liquid leakage, fire or rupture.

DO NOT use or store this equipment in a place where it will be exposed to high temperatures, such as near an open flame or heat-emitting equipment.

DO NOT drop your device or subject it to severe shock. When not using, lay down the unit to avoid possible damage due to instability.

DO NOT expose this equipment to rain or spilled beverages.

DO NOT use unauthorized accessories.

DO NOT disassemble the device or its accessories. If service or repair is required, return unit to an authorized cellular service center. If the unit is disassembled, the risk of electric shock or fire may result.

Never allow metallic objects, such as staples and paper clips, to get into the inside of your device.

Never touch the liquid that might leak from a broken liquid crystal display. Contact with this liquid could cause a skin rash. If the crystal display liquid should come into contact with the skin or clothing, wash it immediately with clean water.

In the event that the device emits an unusual odor or sound or generates smoke, immediately disconnect the AC adapter from the power outlet, then detach the battery.

Antenna Safety

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage your device, or result in violation of FCC regulations. Please contact your local dealer for replacement antenna.

Do not use the device with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Battery Safety

Your device uses a removable and rechargeable lithium ion battery. Please contact customer service for assistance should you need a replacement battery.

DOs

- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. It may take one to four days to completely drain.
- Store the discharged battery in a cool, dark, and dry place.
- Purchase a new battery when its operating time gradually decreases after fully charging.
- Properly dispose of the battery according to local regulations.

DON'Ts

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't expose the battery terminals to any other metal object (e.g., by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens). This can short circuit and critically damage the battery.
- Don't leave the battery in hot or cold temps. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery into a fire.

Lithium ion batteries are recyclable. When you replace the removable battery, please request the repair center to recycle the battery in accordance with RBRC standards. When disposing of the battery by yourself, please call RBRC at (800) 822-8837 for proper disposal tips.

Never touch any fluid that might leak from the built-in battery. Such liquid when in contact with the eyes or skin, could cause injury to the skin or eyes. Should the liquid come into contact with the eyes, irrigate the eyes thoroughly with clean water and immediately seek medical attention. In the event the liquid comes into contact with the skin or clothing, wash it away immediately with clean water.

Adapter/Charger

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.

The AC Adapter/Charger designed for this unit requires the use of a standard 120 V AC power source for device operation.

Never attempt to disassemble or repair an AC adapter/charger. Never use an AC adapter/charger if it has a damaged or worn power cord or plug. Always contact an authorized service center, if repair or replacement is required.

Never alter the AC cord or plug on an AC adapter/charger. If the plug will not fit into the available outlet, have a proper outlet installed by a qualified electrician.

Never allow any liquids or water to spill on an AC adapter/charger when it is connected to an AC power source.

Always use the authorized AC adapter/charger to avoid any risk of bodily injury or damage to your cellular phone or battery.

Never attempt to connect or disconnect the AC adapter/charger with wet hands. Always unplug the AC adapter/charger from the power source before attempting any cleaning. Always use a soft cloth dampened with water to clean the equipment, after it has been unplugged.

Handling the cord on this product or cords associated with accessories sold with this product, will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.

Always disconnect the travel charger or desktop charger from the power source when it is not in use.

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