

# 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 FM Radio**

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**11.6 Using MP3 Trimmer**

## 11.1 Taking Photos and Videos


Use **Camera** to take photos and record video clips. You can either use the main (back) camera or second (front) 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

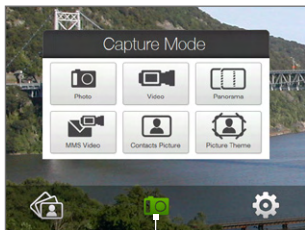
Tap the **Exit** icon (  ) on the Camera screen. Tap the screen to show the Camera screen icons.

## 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
	<b>Photo</b> Captures standard still images.
	<b>Video</b> Captures video clips, with or without accompanying audio.
	<b>Panorama</b> 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.
	<b>MMS Video</b> Captures video clips suitable for sending with MMS messages.
	<b>Contacts Picture</b> Captures a still image and gives you the option to immediately assign it as a Photo ID for a contact.
	<b>Picture Theme</b> Captures still images and places them within frames.



**Note** When using the second camera to capture, you can only use Photo, Video, MMS Video, Contacts Picture, and Picture Theme modes.

### Supported file formats

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

Capture mode	Format
<b>Photo / Contacts Picture / Picture Theme / Panorama</b>	JPEG
<b>Video / MMS Video</b>	H.263 (.3gp) ; 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 (  ).

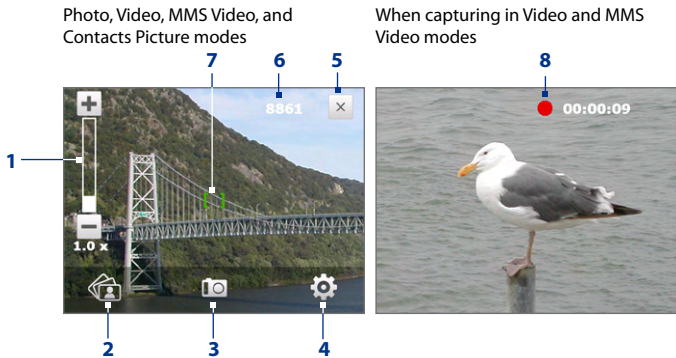
**Note** For more information about the different shoot options, see “Advanced Options” in this chapter.



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

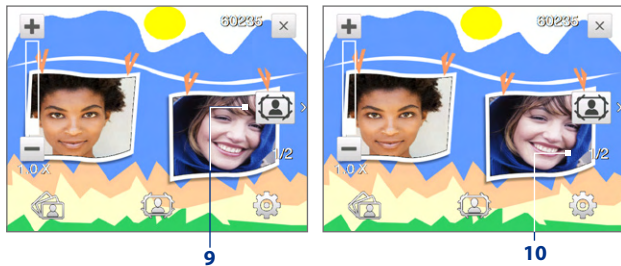
Tap the screen to display the controls and indicators.



- 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 Camera.** Tap to select the camera to use. You can choose from main camera () , second camera () , and second camera flip () .
- 3 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.
- 4 Advanced.** Tap to open the advanced camera settings. See “Advanced Options” for details.

- 5 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.
- 6 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

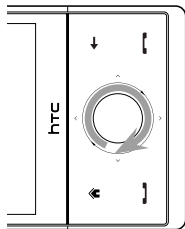
Before capturing a photo or a video clip, you can zoom in to make the object in focus move closer, or zoom out to make the object move farther away.

### To zoom in

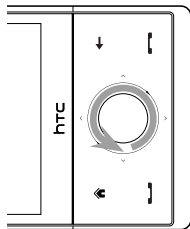
Slide your finger around the NAVIGATION CONTROL clockwise, press NAVIGATION up (Landscape orientation), or tap .

### To zoom out

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

















Zoom In



Zoom Out

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.

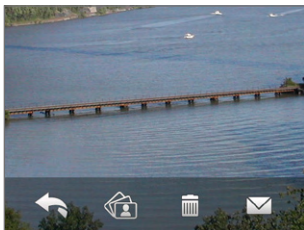
Capture mode	Resolution	Zoom range
<b>Photo</b>	 3M 3M (2048 x 1536)	1.0x to 2.0x
	 2M 2M (1600 x 1200)	1.0x to 2.0x
	 1M 1M (1280 x 960)	1.0x to 2.0x
	 L Large (640 x 480)	1.0x to 2.0x
	 M Medium (320 x 240)	1.0x to 4.0x
<b>Video</b>	 CIF CIF (352 x 288)	1x and 1.5x
	 L Large (320 x 240)	1x and 1.5x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

**Note** For capture size settings and zoom ranges when using the second camera, please refer to the online help.








## 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.



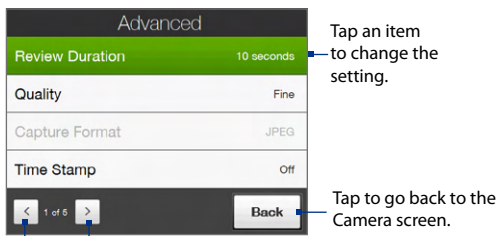
Review screen icons

Icon	Function
	<b>Back</b> Return to the live Camera screen.
	<b>Delete</b> Delete the captured image or video.
	<b>View</b> View the captured image or video in the Album program.
	<b>Send</b> Send the captured image or video via e-mail or MMS.
	<b>Assign to Contact</b> 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.

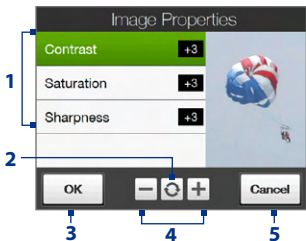
You can either tap on-screen or press NAVIGATION up/down (Landscape orientation) to navigate through the Advanced Options screen.



Tap 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. You can either save the files to the main memory or to the internal storage.
- **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 auto-focus; 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**.

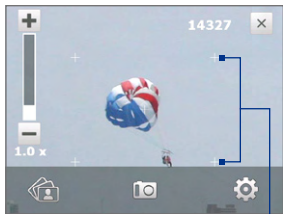


- 1 Tap a property to adjust.
- 2 Tap to reset all properties to their default values.
- 3 Tap to save the settings.
- 4 Tap / or press NAVIGATION left/right (Landscape orientation) to increase/decrease the value.
- 5 Tap to close the submenu without applying and saving the changes.

- **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 mode). 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**. If you transferred some templates to the internal storage (via File Explorer), set this option to **Main + Card** to specify that templates are located in both the main memory and the internal storage.
- **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.



Grid marks


## 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.

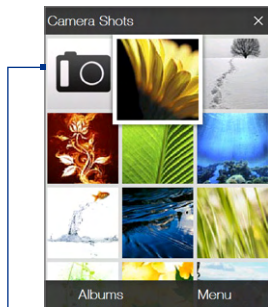
**Note** Album can only display files in the BMP, GIF, PNG, JPG, Animated GIF, 3GP, MP4, and WMV formats.

### 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.

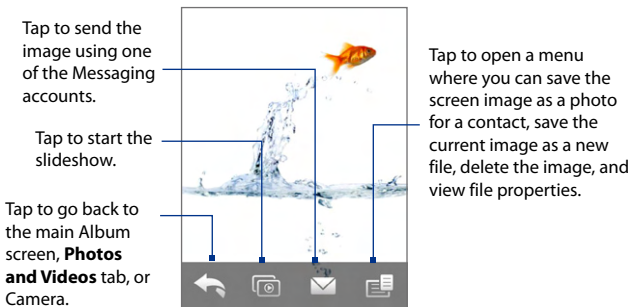
### Select a photo or video to view

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.

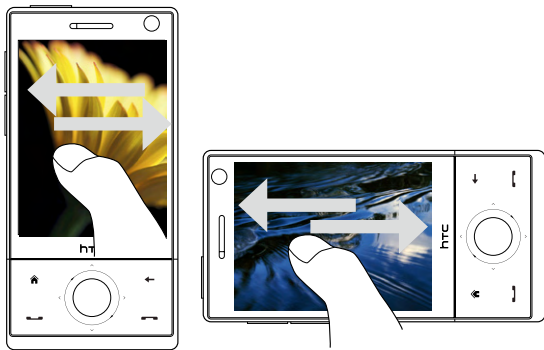
## To rotate the image

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.



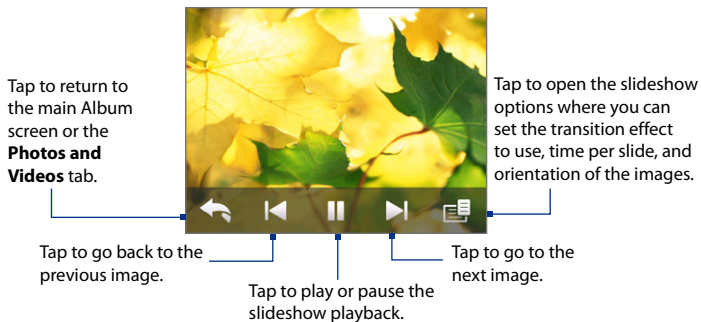
Slide your finger counter-clockwise to zoom out.

- 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.

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

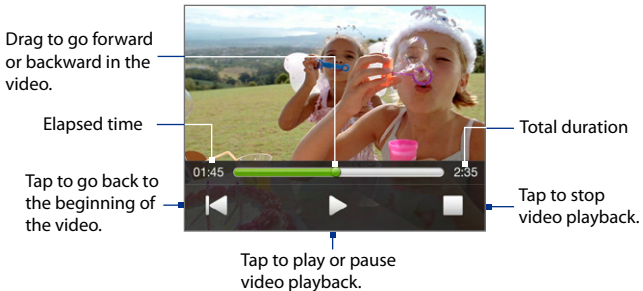


**Tip** If the images are in your favourite album, you can start the slideshow from the **Photos and Videos** tab on the Home screen. On the Photos and Video tab, tap **Slideshow**.





## Play back video

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



**Tip** If the video is in your favourite 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.

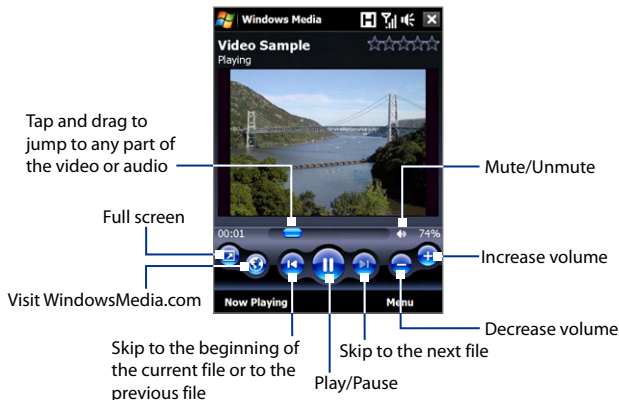
Video File Formats Supported	File Extensions
Windows Media Video	.wmv, .asf
MPEG4 Simple Profile	.mp4
H.263	.3gp, .3g2
H.264	.mp4, .3gp, .3g2, .m4v
Motion JPEG	.avi

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 or internal storage.

### 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, for example, internal storage.
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 or internal storage. 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 FM Radio

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

### To open FM Radio






Tap **Start > Programs > FM Radio**.

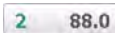



The first time this program is used, it will automatically scan for available FM channels in your area, save them as presets, then play the first FM station found. For information about saving favourite stations as presets, see “Save presets.”

When you tap  on the FM Radio screen, the program continues to run in the background and allows you to continue listening to the radio while you use other programs. To turn off the FM radio, tap  on the upper right corner of the FM Radio screen.

## FM Radio controls



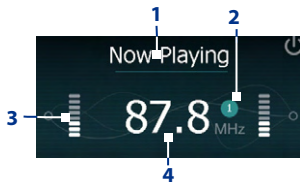
This control	Does this
1 	Turns off FM radio.
2 	See “Radio display” for details.
3 	Searches the FM band for the next higher FM channel.
4 	Increases the radio frequency by 0.1MHz.
5 	Turns the sound on or off.

This control	Does this
6 	Allows you to save up to six favourite FM stations as presets. Tap a button to tune in to a favourite station.
7 	Switches between headset and speaker output.
8 Stereo/Mono	Allows you to switch between Mono and Stereo modes.
9 	Decreases the radio frequency by 0.1MHz.
10 	Searches the FM band for the next lower FM channel.

**Tip** Tap **Menu** to choose more options for FM Radio, such as **Scan & Save** to perform a rescan of the FM band for available FM stations and save them as presets, and more.

### Radio display

- Shows the station name when the RDS (Radio Data System) or RDBS (Radio Data Broadcast System) signal is available.
- Shows the preset number when you select a preset FM station.
- Shows the received signal strength.
- Shows the radio frequency.



## Device controls used in FM Radio

### Navigation

- Press NAVIGATION left/right to search the FM band for the next lower/higher FM channel. When the search reaches the last station, it cycles back to the beginning of the FM band.
- Press NAVIGATION up/down to select the previous/next available preset station.
- Press the ENTER button to toggle mute on and off.




## Volume Control

Press the VOLUME CONTROL on the side of the device to adjust the FM Radio volume.

## Save presets

Presets are favourite FM stations that you can save for easy access. You can save up to six FM stations to the preset buttons on the main FM Radio screen, or save up to 20 presets on the Presets screen.

### To save FM stations

1. Tune to the desired FM frequency, then tap **Presets**.
2. On the Presets screen, tap  that appears on the desired preset number where you want to save the FM station.

You can save up to 20 preset radio stations. Radio stations that are saved on Presets 1 to 6 can be accessed on the main FM Radio screen.

**Tip** Tap  to remove a favourite FM station from the list.

3. When done, tap **OK**.

### To listen to a preset FM station

Do one of the following:

- On the main FM Radio screen, tap the preset button that shows your favourite station.
- On the Preset screen, select a preset number that shows your favourite station, then tap **Listen**.

## FM Radio Main Menu

Tap **Menu** on the FM Radio screen to access options for the FM Radio program.

- **Scan & Save** Automatically scan radio stations that can be picked up by the device and save them as presets. Existing presets will be cleared and replaced with the newly scanned radio stations. You can have a maximum of 20 preset radio stations.
- **Stereo** Toggles between using Stereo or Mono mode when listening to an FM radio station.
- **Mute** Toggles between muting and restoring the volume.

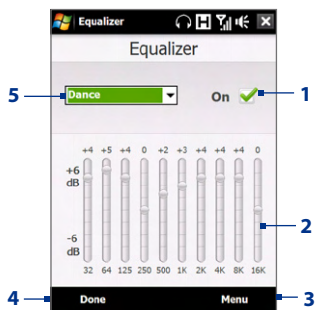
- **Output** Select whether to use the device **Speaker** or **Wired Headset** to listen to the radio.
- **Sleep** Set how much time must pass before FM Radio goes into sleep mode. The Sleep option is switched to **Off** every time you launch FM Radio.
- **Exit** Select to turn off FM Radio.

## 11.5 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 <b>On</b>	Select the check box to enable or disable the equalizer.
2 <b>Frequency band</b>	Drag the sliders to adjust the frequency.
3 <b>Menu</b>	<ul style="list-style-type: none"> <li>• Tap <b>Menu &gt; Cancel</b> to exit Audio Booster without applying the modified settings:</li> <li>• Tap <b>Menu &gt; Save as Preset</b> or <b>Delete Preset</b> to save or delete preset equalizer settings.</li> </ul>
4 <b>Done</b>	Tap to apply the modified settings.
5 <b>Equalizer presets</b>	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.

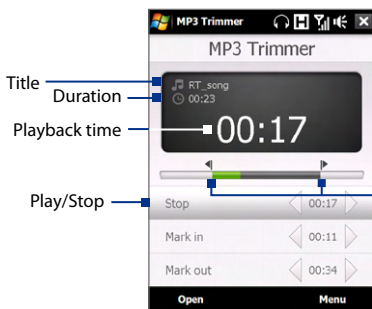
**To delete a custom equalizer preset**

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.

## 11.6 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).

**Mark in / Mark out**

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

- 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**
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- 12.10 SIM Manager**
- 12.11 Spb GPRS Monitor (Available by Country)**
- 12.12 Sprite Backup**
- 12.13 Tasks**
- 12.14 Voice Recorder**
- 12.15 Voice Speed Dial**
- 12.16 ZIP**














## 12.1 Programs on your Device













The following are programs you can find on your device or install from the Applications disc.

### Programs in the Start Menu









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

## Programs screen

Icon	Description
	<b>Games</b> Play these pre-installed games: <b>Bubble Breaker</b> , <b>Teeter</b> and <b>Solitaire</b> .
	<b>ActiveSync</b> Synchronize information between your device and a PC or the Exchange Server. See Chapter 5 and 7 for details.
	<b>Adobe Reader LE</b> View PDF (Portable Document Format) files on your device.
	<b>Album</b> View photos and videos that you captured using the device camera. See Chapter 11 for details.
	<b>Audio Booster</b> Enhances your music experience by providing you with controls for adjusting equalizer, 3D sound, treble, and bass settings. See Chapter 11 for details.
	<b>Bluetooth Explorer</b> Search for other Bluetooth devices that have file sharing enabled and access their Bluetooth shared folder. See Chapter 9 for details.
	<b>Calculator</b> Perform basic arithmetic and calculations, such as addition, subtraction, multiplication, and division.
	<b>Camera</b> Take photos and shoot video clips with accompanying audio. See Chapter 11 for details.
	<b>Comm Manager</b> Manage your device's connections (including Internet and Bluetooth), turn the phone on or off, and enable or disable the Direct Push function.
	<b>File Explorer</b> Organize and manage files on your device.
	<b>FM Radio</b> Listen to your favourite FM radio stations. See Chapter 11 for details.
	<b>Getting Started</b> View a list of “how to’s” that you can reference to learn basic features and settings of your device.
	<b>Google Maps(Available by Country)</b> View your current location, search for places of interest and addresses, seek directions, and more. See Chapter 10 for details.

Icon	Description
	<b>Internet Sharing</b> Connect your notebook computer to the Internet using your device's data connection. See Chapter 8 for details.
	<b>Java</b> Download and install Java applications, such as games and tools, on your device.
	<b>Messenger</b> This is the mobile version of Windows Live™ Messenger. See Chapter 8 for details.
	<b>MP3 Trimmer</b> 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.
	<b>Notes</b> Create handwritten or typed notes, drawings, and voice recordings.
	<b>Opera Mobile</b> This is the mobile version of the Opera browser. See Chapter 8 for details.
	<b>Pictures &amp; Videos</b> View, organize, and sort pictures, animated GIFs, and video files on your device.
	<b>QuickGPS</b> 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.
	<b>RSS Hub</b> Download and read the latest web feeds from the Internet. See Chapter 8 for details.
	<b>Search</b> Search contacts, data, and other information on your device.
	<b>SIM Manager</b> Manage the contacts that are stored on your SIM card. You can also use this program to copy SIM contents to Contacts on your device.
	<b>Spb GPRS Monitor(Available by Country)</b> Use this program to measure the amount of data transfers that you have made via the GPRS or GSM network connection, and calculate network usage costs. You can install this program from the Applications disc.
	<b>Sprite Backup</b> Back up your device's data and files to a specified folder, the internal storage, or a computer. You can install this program from the Applications disc.
	<b>Streaming Media</b> Stream live or on-demand video. See Chapter 8 for details.



Icon	Description
	<b>Tasks</b> Keep track of your tasks.
	<b>Voice Recorder</b> Record your voice and send it via e-mail, MMS or beaming. You can also set the recorded voice as your ring tone.
	<b>Voice Speed Dial</b> Record voice tags so that you can dial a phone number or launch programs by speaking a word.
	<b>Windows Live</b> 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.
	<b>Windows Media Player Mobile</b> Play back audio and video files. See Chapter 11 for details.
	<b>YouTube™</b> Search for uploaded videos in YouTube and play them on your device. See Chapter 8 for details.
	<b>ZIP</b> Save memory and free up storage space on your device by compressing files in the conventional ZIP format.
	<b>STK (SIM Tool Kit) Service</b> Access information and other services offered by your wireless service provider.

## 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.

- 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.
- 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.

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

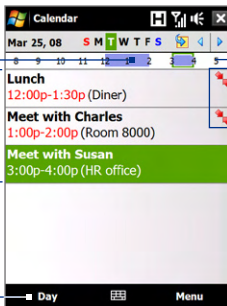
## View appointments

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

The highlighted hours here indicate the time of your appointments.




Tap to view appointment details.

Tap to switch views.



The red box and arrows indicate that there are conflicting appointments.

Agenda view

- 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
  -  Both morning and afternoon/evening appointments
  - All-day event

## 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.

### To send appointment details as a vCalendar

A vCalendar is a standard file format used for exchanging scheduling and task information. vCalendar files can be exported to Outlook on the computer.

After selecting the appointment to send in the Calendar screen, tap **Menu > Send as vCalendar** to send a vCalendar containing appointment details as a file attachment in an MMS message. For more information, see "MMS" in Chapter 6.

## 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.
- **SIM contacts.** Contacts that are stored on the SIM card. Only a name and phone number can be stored for each entry.
- **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.

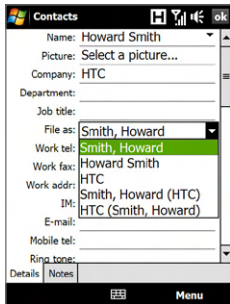
### To open the Contacts screen

- On the TouchFLO 3D Home screen, slide to the **People** 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**.

### To add a contact to your SIM card

1. Open the Contacts screen.
2. Tap **New**, then select **SIM Contact**.
3. Enter a contact name and phone number.
4. Tap **OK**.

- Tip** You can also use the SIM Manager to add and edit contacts on your SIM card. For more information, see "SIM Manager" in this chapter.

## 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.

### To send contact information via text messaging

1. On the Contacts screen, select a contact.
2. Tap **Menu > Send Contact > SMS \ MMS**.
3. Select the contact information you want to send, then tap **Done**.
4. In the new text message, enter the mobile phone number of the recipient, then tap **Send**.

### To send contact information as a vCard

A vCard (virtual business card) is a standard file format used for exchanging contact information. vCard files can be exported to Outlook on the computer. From your device, you can send a vCard containing contact information as file attachment in an MMS message.

1. On the Contacts screen, select a contact.
2. Tap **Menu > Send as vCard**.
3. A new MMS message is created with the vCard file attached. Enter the mobile phone number or e-mail address of the recipient, then tap **Send**.

For more information, see "MMS" in Chapter 6.

## 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 > Programs > Comm Manager**.
- 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 (GPRS, for example). You cannot reconnect a data connection in Comm Manager.

## 12.7 Microsoft® Office Mobile

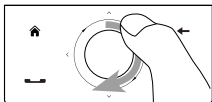
**Microsoft® Office Mobile** consists of the following applications:

- **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.

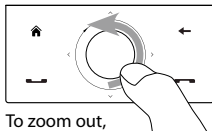
### To use Microsoft Office Mobile

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.

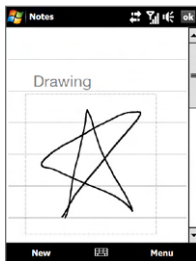
**Tip** For more information about input methods and entering text, see Chapter 4.

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 Java

MIDlets are Java applications such as games and tools that can run on mobile devices, while a MIDlet suite is a collection of one or more MIDlets. The **Java** program lets you download, install and manage MIDlets or MIDlet suites on your device. Your device supports Java 2 Micro Edition, J2ME.

### To open the Java program

Tap **Start > Programs > Java**.

## Install and launch MIDlets/MIDlet suites

There are several ways to install a MIDlet/MIDlet suite.

### To download and install via Internet Explorer Mobile

1. Tap **Menu > Install > Browser** to open Internet Explorer Mobile.
2. Locate the MIDlet/MIDlet suite while connected to the Internet.
3. Select the MIDlet/MIDlet suite to download.
4. Information about the MIDlet/MIDlet suite is then displayed. Tap **Continue**.
5. Confirm to start downloading.
6. Select **<root>** or a folder where to install the MIDlet suite to, then tap **OK**.

### To install from your device

You can copy MIDlets/MIDlet suites from the computer to your device using the USB sync cable or Bluetooth connection. Copy them to the root folder or any subfolder on your device.

1. Tap **Menu > Install > Local Files**. The program then searches for MIDlets/MIDlet suites on your device and displays them in a list.
2. From the list, tap the MIDlet/MIDlet suite that you want to install.
3. Confirm to start the installation.
4. Select **<root>** or a folder where to install the MIDlet suite to, then tap **OK**.

### To run a MIDlet/MIDlet suite

Do one of the following:

- After installation of the MIDlet/MIDlet suite is complete, tap **Yes**.
- On the Java screen, open the folder that contains the MIDlet/MIDlet suite. Select the MIDlet/MIDlet suite, then tap **Launch**.

## Manage MIDlets/MIDlet suites

You can organize MIDlets/MIDlet suites into folders for easy identification, renaming, updating, and more. If the device memory is full, uninstall some MIDlets/MIDlet suites to free up memory space.

### To create folders

1. On the Java screen, tap **Menu > New Folder**.
2. Enter a folder name, then tap **Create**.

### To update a MIDlet/MIDlet suite

Tap and hold a MIDlet/MIDlet suite, then tap **Update**. Alternatively, you can tap **Menu > Actions > Update**.

Java will search for updates for the selected MIDlet/MIDlet suite where it was installed from before.

### To uninstall MIDlets

Before you uninstall a MIDlet, make sure that it is not running.

1. Tap and hold the MIDlet, then tap **Uninstall**.
2. Tap **OK** to confirm.

**Note** To uninstall all MIDlets and folders from the current folder, tap **Menu > Uninstall All**.

## 12.10 SIM Manager

**SIM Manager** allows you to view the contents of your SIM card, transfer contacts from your SIM card to your device or vice versa, and make a call to a SIM contact.

### To create a contact on your SIM card

1. Tap **Start > Programs > SIM Manager**.
2. Tap **New** and enter a contact name and phone number.
3. Tap **Save** to save the information on your SIM card.

**Tip** To change contact information on your SIM card, tap a SIM contact, edit the information, and then tap **Save**.

### To copy SIM contacts to your device

If you have saved contacts on your SIM card, you can copy them into Contacts on your device.

1. On the SIM Manager screen, select the desired contact, or select all SIM contacts by tapping **Menu > Select All**.
2. Tap **Menu > Save to Contacts**.

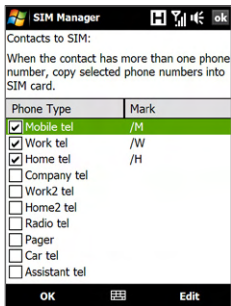
### To copy contacts to the SIM card

Only one phone number per contact name can be stored on a SIM card. When you copy a contact that has several phone numbers to your SIM card, SIM Manager saves each number under a separate name.

To save each number under a different contact name on the SIM card, SIM Manager appends an indicator at the end of each name.

By default, /M, /W and /H are appended to indicate mobile, work and home phone numbers respectively. You can edit this indicator first before you start copying contacts to your SIM card. Indicators of the other types of phone numbers are left empty for you to define them.

1. On the SIM Manager screen, tap **Menu > Tools > Options**.
2. Select the check boxes of the types of phone numbers that you want to be added to the SIM card.
3. Under the **Mark** column, you can change the indicator that will be appended to the SIM contact names for each phone number type. To do so, select a phone type, tap **Edit**, enter your desired indicator, then tap **Save**.
4. After modifying, tap **OK**.
5. Tap **Menu > Contacts to SIM**.
6. Select the check boxes of the contact's phone numbers that you want to copy to your SIM card, then tap **Save**.

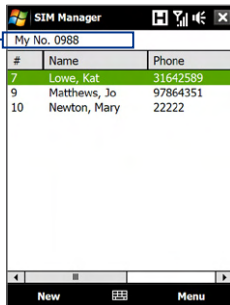




## To store your SIM card's phone number

1. On the SIM Manager screen, tap **Menu > Tools > List of Own Numbers**.
2. Tap **Voice Line 1**.
3. Change the name, if desired, then enter your mobile phone number.
4. Tap **Save**.

When your phone number is stored on the SIM card, it will appear on the SIM Manager screen.



## 12.11 Spb GPRS Monitor (Available by Country)

Using **Spb GPRS Monitor**, you can monitor how much data you have sent and received on your device, and check the network usage costs by taking into account your service plan details. You can also view connection cost and traffic charts, generate reports of network connection usage, and export reports to CSV files for use with Microsoft® Office Excel® and Access.

### Install GPRS Monitor

The GPRS Monitor program is included in the Applications disc. To install it onto your device, run the program's installer on your computer. Follow the on-screen instructions on your computer and your device to complete the installation.

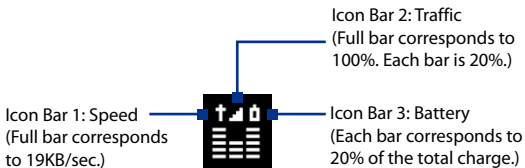
### The GPRS Monitor icon and pop-up window

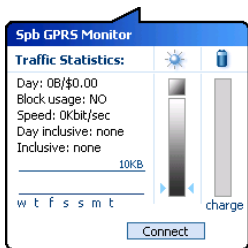
You can enable the GPRS Monitor icon to be shown on the title bar. This icon shows the data connection or dial-up connection speed, data traffic, and battery status.

#### To show the GPRS Monitor icon on the title bar

1. Tap **Start > Programs > Spb GPRS Monitor**.
2. Tap **Tools > Options > Icon** tab.
3. Select the **Show taskbar icon** check box.

By default, the GPRS Monitor icon shows three bars that represent the following status information:





When you tap the GPRS Monitor icon on the title bar, a pop-up window opens and shows you detailed statistics about your data transfers, such as the data size you have just transferred and its cost, the allowable amount of data that you can transfer, and more.

## Set up monitoring and notification

### To select the connection to be monitored

1. On the GPRS Monitor screen, tap **Tools > Options > Connection** tab.
2. Select the **Enable connection monitoring** check box.
3. In the **Connection** list, select the connection you want to monitor.

### To enter your service plan details

Service plan details, or tariffs, determine the price that you pay for your data transfers. The tariff may either be flat rate or time-based, depending on whether you're using GPRS or a phone dial-up connection for data transfers.

Contact your wireless service provider to find out about your tariff, and enter the information in the **Tariff** tab or the **Tariff Details** tab on the Options screen.

**Note** The calculation of network usage costs is based on the information that you entered, and is only an estimate. The actual amount billed by your service provider may differ.

### To set up traffic limit notifications

You can set up traffic limit notifications if you want to be notified when a traffic limit is reached.

1. On the GPRS Monitor screen, tap **Tools > Options**.
2. Enable the notifications on the **Day Warn** and **Month Warn** tabs. You can specify up to three daily and three monthly limits.  
Once traffic reaches one of these limits, you will receive a notification.

## View charts and reports

On the GPRS Monitor, you can view network connection cost charts and traffic charts, as well as generate detailed reports of network connection usage during a given period of time. These reports can be exported to CSV files that you can open using Excel, Access, or other similar spreadsheet and database software applications.

### To view charts and generate reports

On the GPRS Monitor screen:

- Tap the **Chart** tab to view the network connection cost charts and traffic charts.
- Tap the **Report** tab to generate reports on network traffic and tariff.

For more information about using Spb GPRS Monitor, see Help on your device.

## 12.12 Sprite Backup

Use **Sprite Backup** to back up data, which includes settings, files, contacts, and all other information, to the device memory, internal storage or a computer.

**Note** If you are sending your device for repair or performing a hard reset, data from your device will be lost. It is recommended that you use Sprite Backup to back up your files including settings, contacts and other information to your computer or internal storage.

### To install Sprite Backup

1. Make sure your device is connected to your computer via a USB cable.
2. Insert the Applications disc on your computer's CD or DVD drive and start the Sprite Backup installation. You can also download Sprite Backup from the HTC e-Club website (<http://www.htc.com/member/login.aspx>), then double-click the downloaded setup file to start the installation.
3. Follow the on-screen instructions to install the Sprite Backup PC Manager to your computer and the Sprite Backup program onto your device.

## To open Sprite Backup

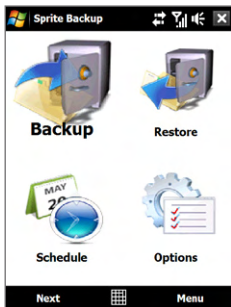
- On your device, tap **Start > Programs > Sprite Backup**.

Before you start to back up or restore files, please check the following:

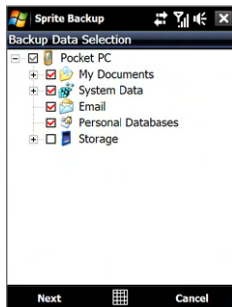
- Make sure that the device storage memory has at least **15MB** of free space. To check, tap **Start > Settings > System tab > Memory > Main tab**.
- Make sure that the internal storage has at least **100MB** of free space. To check, tap **Start > Settings > System tab > Memory > Storage Card tab**.

## To back up data

- To back up data remotely to a computer, enable the PC backup feature first. See “To enable remote backup to a computer” for instructions.
- On the Sprite Backup main screen, tap **Backup**.
- On the Backup Data Selection screen, you will see a tree view of the data and files on your device. Tap “+” on the left of an item to view its sub-items. Use the check boxes to select or exclude items for backup.



Main screen



Backup Data Selection screen

- Notes**
- It is recommended that you do not back up the File System of your device as this may cause restoration problems. To not back up the File System, expand the **System Data** folder by tapping “+” on its left side and then clearing the **File System** checkbox.

- When File System is not backed up, you will need to reinstall all third party software to your device after you do a hard reset and restored your files.
4. After selecting data items, tap **Next**. The Save As screen then appears.
  5. Enter a file name for the backup file.
  6. In **Location**, choose whether to save the backup file to **\Internal Storage**, **\My Documents** on the device memory, or to a **PC**.  
**Tip** When backing up to the internal storage or to \My Documents on the device memory, you can also choose a specific folder where to save the backup file.
  7. Tap **Next**.
  8. On the Device Reset Required screen, tap **Next** to start the backup.

**Note** Do not start and use any programs on your device until the backup process is completed.

### To restore data

1. On the Sprite Backup main screen, tap **Restore**. Sprite Backup then searches for all available backup files from the device memory and internal storage and then displays them on the Open File screen.  
**Tip** To search for backup files created on your computer, connect your device to your computer and run Sprite Backup PC Manager on your computer. In Sprite Backup's Open File screen on your device, set **Location to PC**.
2. Select the backup file you want to restore and then tap **Next**.
3. In the tree view, select the items you want to be restored to your device and then tap **Next**.  
**Note** If your phone has SIM PIN lock enabled, a screen will appear asking you to set up Sprite Backup SIM Unlock feature. It is recommended that you set up this feature to avoid file restoration errors. To set up, tap **Setup Phone SIM Lock**.
4. On the Device Reset Required screen, tap **Next** to begin restoring data.  
**Note** Sprite Backup soft resets your device first before it begins the backup or restoration process. It soft resets again after the operation is completed.

### To enable remote backup to a computer

1. On the Sprite Backup main screen, tap **Options > Networking > PC**.
2. Select the **Enable PC Backup** check box and choose whether to do the remote backup to your computer via ActiveSync or network.

For more information about using Sprite Backup, see the Sprite Backup Help or download the Sprite Backup User manual from <http://www.spritesoftware.com/>.

## 12.13 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**.

**To send task information as a vCalendar**



After selecting the task to send in the Task screen, tap **Menu > Send as vCalendar** to send a vCalendar containing task details as a file attachment in an MMS message. For more information, see “MMS” in Chapter 6.

## 12.14 Voice Recorder

**Voice Recorder** lets you record your voice and quickly send it as an MMS or 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 of the internal storage. 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 **Volume** icon (🔊) to open the System Volume screen where you can adjust the volume.

### To send a voice recording through MMS

Select a voice recording, then tap **Menu > Send via MMS**. A new MMS message is then created with the voice recording automatically inserted as an audio clip.

See “MMS” in Chapter 6 to learn how to compose and send MMS messages.

### 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**.

## 12.15 Voice Speed Dial

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


### To create a voice tag for a phone number

1. On the TouchFLO 3D Home screen, slide to the **People** tab and then touch **All People** to open the Contacts screen.

**Tip** You can also touch **Start > Contacts** to open the Contacts screen.

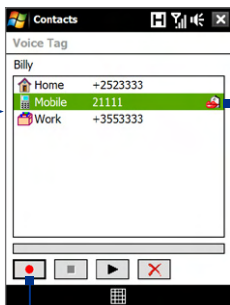
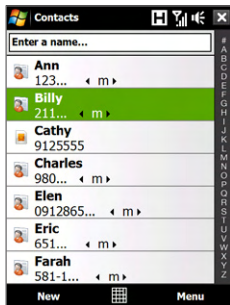
2. Do one of the following:

- Scroll to the desired contact, then touch **Menu > Add Voice Tag**.
- Touch the desired contact to open the contact card and then touch **Menu > Add Voice Tag**.
- Use the stylus to tap and hold the desired contact, then tap **Add Voice Tag**.

3. Select the phone number that you want to create a voice tag for, then touch **Record** (  ).

**Tip** To ensure voice recognition accuracy, record your voice in a quiet place.

4. When completed, a **Voice Tag** icon  is displayed on the right of the item.



Select the desired phone number.

Touch the **Record** icon to start recording.

### To create a voice tag for a program

Touch **Start > Settings > Personal tab > Voice Speed Dial > Application** tab.




The **Application** tab displays a list of all installed programs on your device. The procedure for creating a voice tag for a program is the same as the procedure for creating a voice tag for a phone number.

### To make a call or launch programs using a voice tag

1. Touch **Start > Programs > Voice Speed Dial**.
2. After the beep, say the recorded voice tag that you have assigned to the phone number you want to call or the program you want to launch. The system will repeat the voice tag, then dial out or launch the program automatically.

**Note** If the system cannot recognize your voice tag, move to a quiet place, then try again while speaking clearly.

### To view and test the voice tags you have created

1. Touch **Start > Settings > Personal tab > Voice Speed Dial**.
2. The **Voice Tag** tab displays a list that contains all the voice tags you have created. Select an item in the list, then do one of the following.
  - Touch the **Record** button (  ) to rebuild the voice tag.
  - Touch the **Play** button (  ) to play the voice tag.
  - Touch the **Delete** button (  ) to delete the voice tag.

## 12.16 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. You can also choose whether to save the zip file on the device's main memory or internal storage.
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 Connection Setup**

**13.5 Using Task Manager**

**13.6 Protecting Your Device**

**13.7 Managing Memory**

**13.8 Resetting Your Device**

**13.9 Windows Update**

**13.10 Battery Saving Tips**

## 13.1 Copying and Managing Files

You can copy files between your device and computer, or copy files to the internal storage of your device. 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.

### To copy files to the internal storage

1. Tap **Start > Programs > File Explorer** and navigate to the appropriate folder.
2. Tap and hold the file you want to copy, then tap **Copy**.
3. Tap the down arrow (▼), then tap **Internal Storage** in the list.
4. Tap and hold an empty area on the screen and then select **Paste** on the menu.

**Tip** You can configure programs such as Word Mobile and Excel Mobile to directly save edited files onto the internal storage. In the program's file list, tap **Menu > Options**, then select the **Internal Storage** in the **Save to** box.






### To format the internal storage






To learn how to format the internal storage, see “Clear Storage” in this chapter.

## 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
	<b>Buttons</b> Assign a program or function to a hardware button.
	<b>Input</b> Set options for each of the input methods.
	<b>Lock</b> Set a password for your device.
	<b>Menus</b> Set which programs will appear in the Start menu.
	<b>Owner Information</b> Enter your personal information on your device.



Icon	Description
	<b>Phone</b> Customize phone settings such as ring tone, set a PIN number for your SIM card, and more.
	<b>Sounds &amp; Notifications</b> Enable sounds for events, notifications, and more, and set the type of notification for different events.
	<b>Today</b> Customize the appearance and the information to be displayed on the Home screen.
	<b>TTY</b> Enable TTY (Teletypewriter) support for your device.
	<b>Voice Speed Dial</b> Create voice tags for voice dialing contacts and SIM contacts as well as for launching programs.

## System tab








Icon	Description
	<b>About</b> 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.
	<b>Certificates</b> See information about certificates that are installed on your device.
	<b>Clear Storage</b> Reset your device to factory default settings and/or format the internal storage.
	<b>Clock &amp; Alarms</b> 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.
	<b>Device Information</b> See information about the firmware version, hardware, identity, and the duration of calls made on your device.
	<b>Error Reporting</b> 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.







Icon	Description
	<b>External GPS</b> 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.
	<b>Hearing Aid Compliance</b> When using a hearing aid, turn on this feature to reduce interference between the device and hearing aid during a call.
	<b>Key Lock</b> 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.
	<b>Long Press End Key</b> Choose the desired function to be executed (for instance, lock the device) when pressing and holding the END key.
	<b>Managed Programs</b> Displays the programs that were installed on your device using System Center Mobile Device Manager.
	<b>Memory</b> Check the device memory allocation status and internal storage information. You can also stop currently running programs.
	<b>Microphone AGC</b> Adjust the volume of your voice automatically when you are recording.
	<b>Power</b> 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.
	<b>Regional Settings</b> Set the regional configuration to use, including the format for displaying numbers, currency, date, and time on your device.
	<b>Remove Programs</b> Remove programs that you installed on your device.
	<b>Screen</b> Re-calibrate the screen, apply ClearType, and change the screen text size.
	<b>Task Manager</b> 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.

Icon	Description
	<b>TouchFLO</b> 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.
	<b>Windows Update</b> 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
	<b>Advanced Network</b> Turn on/off HSDPA, set the line type to use when making circuit switch data (CSD) connection, and set the GPRS authentication method. HSDPA is a 3.5G digital data service that provides high-speed downstream data rates. In order for your device to attain the high connection speed of HSDPA, your wireless service provider must support this feature and you must be within the coverage area of your service provider's HSDPA network. Your device supports up to 7.2 Mbps download speeds.
	<b>Beam</b> Set your device to receive incoming Bluetooth beams.
	<b>Bluetooth</b> Turn Bluetooth on, set your device to visible mode, and scan for other Bluetooth devices.
	<b>Comm Manager</b> Manage your device's connections (including GPRS/3G and Bluetooth), turn the phone on or off, and enable or disable the Direct Push function.
	<b>Connection Setup</b> Configure your device's data connections, such as GPRS, WAP, and MMS, based on the detected or selected network operator. See "Using Connection Setup" in this chapter for details.
	<b>Connections</b> Set up one or more types of modem connections for your device, such as phone dial-up, GPRS, and more, so that your device can connect to the Internet or a private local network.
	<b>Domain Enroll</b> 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.

Icon	Description
	<b>SMS Service</b> Enables sending of SMS text messages via a data connection, such as GPRS or a circuit-switched connection.
	<b>USB to PC</b> Set the type of USB connection to your PC. Select the ActiveSync option for synchronising data, or use Disk Drive mode for transferring files.
	<b>Wi-Fi</b> Scan for available wireless networks.
	<b>Wireless LAN</b> 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.

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

The region you select determines which options will be available on the other tabs.

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. Phone services may include Call Forwarding, Call Waiting, Voicemail, and more. 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**.

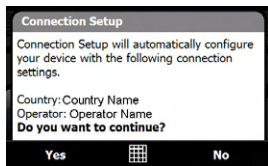
For more information about customizing settings of phone services, see Help on your device.

## 13.4 Using Connection Setup

**Connection Setup** configures your device's data connections, such as GPRS, WAP, and MMS, for you so that you do not need to enter the settings manually onto your device. All you need to do is to select your network operator, then Connection Setup does all the configuration for you.

### To automatically configure the device's data connections

The first time you power on your device, or when you insert a new SIM card and then power on your device, Connection Setup will display a notification message to inform you that it will automatically configure your device's connection settings.




1. Tap **Yes** on the notification message.  
**Note** If your SIM card supports multiple network operator profiles, the next message that appears will display network profile choices. Select the profile you want to use and tap **OK**.
2. When prompted to automatically configure your device to the proper network settings, tap **Yes**.  
Connection Setup configures your device's data connection settings.
3. After the Connection Setup completes the configuration, tap **Restart**.

### To manually select the network operator to use for data connections


You can also manually select your network operator from Connection Setup's settings screen. Connection Setup will then reconfigure your device's data connections settings based on the operator that you selected.

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **Connections** tab, tap **Connection Setup**.
3. Select the network **Country** and **Operator** you want to use, then tap **OK**.  
**Note** If you choose a **Country** and/or **Operator** that is different from the installed SIM card network operator, you may not be able to access network services.
4. When prompted to confirm whether you want to configure the data connection settings based on the selected network, tap **Yes**.  
Connection Setup configures the data connection settings.
5. After the Connection Setup completes the configuration, tap **Restart**.

## 13.5 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.

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

**Note** When the **Enable the “X” button to end running programs** check box is not selected, tapping the **Exit** button will only close a program screen. The program is not ended and continues to run in the background.
3. Choose the action for shutting down programs (by tapping the  button, or by tapping and holding the  button).
4. Tap **OK**.

### To close running programs from the Task Manager

1. On the Task Manager screen, tap the **Running** tab.
2. Do one of the following:
  - Select the check box of the programs that you want to close, 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.

1. On the Task Manager screen, tap the **Running** tab.
2. 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**.

## 13.6 Protecting Your Device

### Protect your SIM card with a PIN

You can protect your SIM card from unauthorized use by assigning a PIN (personal identification number). The default SIM card PIN is provided by your wireless service provider.

#### To enable the SIM card PIN

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **Personal** tab, tap **Phone > PIN** tab.
3. Select the **Require PIN when phone is used** check box.
4. Enter the PIN number and then tap **OK**. To change the PIN at any time, tap **Change PIN**.

**Tip**      Emergency calls can be placed at any time, without requiring a PIN.

### 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.

## 13.7 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 internal storage

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 the internal storage.
- 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.

## 13.8 Resetting Your Device

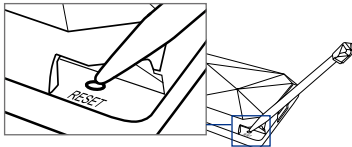
### Soft reset

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. Use the stylus to press the RESET button located at the opening of the stylus compartment.

Your device restarts and displays the Home screen.



### Hard reset

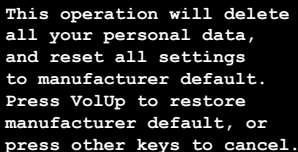
You can also perform a hard reset (also known as a full reset). A hard reset should only be performed if a normal reset does not solve a system problem. After a hard reset, the device is restored to its default settings—

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. Pull out the stylus.
2. With the device turned on, press and hold the VOLUME DOWN and ENTER buttons, then press the RESET button with the stylus tip.
3. Release the RESET button, but continue pressing the VOLUME DOWN and ENTER buttons until you see this 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

You can also use Clear Storage to reset your device back to factory default settings and/or format the internal storage.

1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Clear Storage**.
3. In the drop-down menu, select whether to **Clear Storage only**, **Format internal storage only**, or **Clear storage and format internal storage**.
4. Enter “1234” and then tap **Yes**.

## 13.9 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

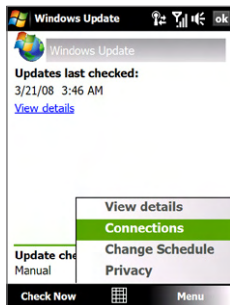
1. On the Home screen, slide to the **Settings** tab and then tap **All Settings**.
2. On the **System** tab, tap **Windows Update**.
3. Tap **Check Now**.

**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.



## 13.10 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.1 Specifications

System Information	
<b>Processor</b>	Qualcomm® MSM7201A™ 528 MHz
<b>Memory</b>	<ul style="list-style-type: none"> <li>– ROM : 256 MB</li> <li>– RAM : 192 MB DDR</li> <li>– Internal storage: 4 GB</li> </ul> <p><b>Note:</b> 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>
<b>Operating System</b>	Windows Mobile® 6.1 Professional
Power	
<b>Battery</b>	Rechargeable Lithium-ion or Lithium-ion polymer battery, 900 mAh
<b>Battery Life (estimates)</b>	<p>Standby time:   WCDMA: Up to 396 hours                           GSM: Up to 285 hours</p> <p>Talk time:       WCDMA: Up to 270 minutes                           GSM: Up to 330 minutes</p> <p>Video call time: Up to 145 minutes</p> <p>(The above are subject to network and phone usage.)</p>
<b>AC Adapter</b>	Voltage range/frequency: 100 - 240V AC, 50/60 Hz DC output: 5V and 1A
Communications	
<b>Network</b>	<p>HSPA/WCDMA (FDD Band I / V / VI):</p> <ul style="list-style-type: none"> <li>• 900/2100 MHz</li> <li>• Up to 384 kbps up-link and 7.2 Mbps down-link speeds</li> </ul> <p>Tri-band GSM/GPRS/EDGE:</p> <ul style="list-style-type: none"> <li>• 900/1800/1900 MHz</li> </ul> <p>(Band frequency and data speed are operator dependent.)</p>
<b>Internal Antenna</b>	Yes
Physical	
<b>Dimensions</b>	102 mm (L) X 51 mm (W) X 11.35 mm (T)
<b>Weight</b>	110 g (with battery)

Display	
<b>LCD Type</b>	2.8-inch TFT-LCD flat touch-sensitive screen
<b>Resolution</b>	480 x 640 VGA resolution
Camera Module	
<b>Type</b>	Main camera: 3.2 megapixel color camera with auto focus Second camera: VGA CMOS color camera
<b>Resolution</b>	<ul style="list-style-type: none"> <li>• Photo: 3M (2048 x 1536) 2M (1600 x 1200) 1M (1280 x 960) VGA (640 x 480) QVGA (320 x 240)</li> <li>• Video: CIF (352 x 288) QVGA (320 x 240) QCIF (176 x 144) Sub-QCIF (128 x 96)</li> </ul>
<b>Digital Zoom</b>	Up to 4X
Connections	
<b>I/O Port</b>	HTC ExtUSB™ (11-pin mini-USB and audio jack in one; USB 2.0 high speed)
<b>Wireless Connections</b>	<ul style="list-style-type: none"> <li>• Bluetooth® 2.0 with EDR</li> <li>• Wi-Fi® (IEEE 802.11 b/g)</li> </ul>
Audio	
<b>Microphone/ Speaker</b>	Built-in
<b>Ring tone</b>	<ul style="list-style-type: none"> <li>• Supports MP3, AAC, AAC+, WMA, WAV, AMR-NB formats</li> <li>• 40 polyphonic and standard MIDI format 0 and 1 (SMF) / SP MIDI</li> </ul>
<b>Supported Playback Formats</b>	<ul style="list-style-type: none"> <li>• Windows Media® Player: MP3, MPEG-4, AAC, AAC+, eAAC+, WMA, WAV, AMR, AMR-NB, AMR-WB, AWB, SP-MIDI</li> <li>• TouchFLO™ 3D: MP3, MPEG-4, WMA, AAC, AAC+</li> </ul>

## Controls

### Device Control

- 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

- FM radio with RDS
  - 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 **DIAM190**.

To ensure continued reliable and safe operation of your device, use only the accessories listed below with your **DIAM190**.

The Battery Pack has been assigned a model number of **DIAM160**.

**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 Communications Commission Notice

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.

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 Appendix 253

Appendix 247the 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 TV reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

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

## **Modifications**

The FCC requires the user to be notified that any changes or modifications made to the device that are not expressly approved by High Tech Computer Corporation may void the user's authority to operate the equipment.

## **Safety Precautions for RF Exposure**

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

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

## **Exposure to Radio Frequency (RF) Signals**

Your device contains a radio transmitter and receiver. The radiated output power is far below the international radio frequency exposure limits. 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 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 phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in usage.

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.

Your device has an internal antenna. Use only the supplied integral antenna. Use of unauthorized or modified antennas may impair call quality and damage the phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in non-compliance with local regulatory requirements in your country.

To assure optimal phone performance and ensure human exposure to RF energy is within the guidelines set forth in the relevant standards; always use your device only in its normal-use position. Do not touch or hold the antenna area unnecessarily when placing or receiving a phone call. Contact with the antenna area may impair call quality and cause your device to operate at a higher power level than needed. Avoiding contact with the antenna area when the phone is IN USE optimizes the antenna performance and the battery life.

Body-worn measurements were tested for typical body-worn operations with the back of the device kept 1.5 cm from the body.

### **SAR Information**

1.02 w/kg @1g(Head)

1.35 w/kg @1g(Body)

## **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.



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