

Motorola  
iDEN  
Digital Multi-service Data-capable Phone

**i930 Phone User's Guide**  
Smartphone Information Provided by Microsoft

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# Contents

<b>Getting Started</b> .....	<b>1</b>
Getting to Know Your Smartphone .....	1
Setting Up Your Smartphone .....	6
Installing ActiveSync .....	11
Turning Your Smartphone On .....	12
i930 Sync Cradle .....	12
Synchronizing by Using ActiveSync .....	16
Accessories .....	16
Finding More Information .....	17
<b>The Basics</b> .....	<b>18</b>
Navigation Methods .....	18
Understanding Status Indicators .....	22
Backlight Dimming .....	23
Finding Your Phone Number and Other Basic Information .....	24
Entering Text and Numbers .....	24
Securing Your Smartphone .....	28
Using a Headset .....	33
Navigating and Managing Stored Files .....	34
Managing Memory .....	34
<b>Phone Calls</b> .....	<b>35</b>
Making a Phone Call .....	35
Receiving a Phone Call .....	39
Managing Phone Calls .....	40
Call Forwarding .....	41
Using the Flip to Answer or End Calls .....	42
Retrieving Voice Mail Messages .....	42
Speed Dials and Voice Shortcuts .....	42
Advanced Calling Options .....	45
<b>Private Calls, Call Alerts, and Group Calls</b> .....	<b>47</b>
Making a Private Call .....	47
Receiving a Private Call .....	49
Managing Private Calls .....	50
Voice Shortcuts .....	50

One Touch PTT.....	52
Call Alerts.....	52
Group Calls.....	55
<b>Recent Calls.....</b>	<b>56</b>
Viewing the Recent Calls List.....	56
Saving to Contacts.....	57
Making Calls From the Recent Calls List.....	57
Deleting Items From the Recent Calls List.....	59
Returning to the Home Screen After a Call.....	59
<b>Contacts, Calendar, and Tasks.....</b>	<b>60</b>
Using Contacts.....	60
Using Calendar.....	65
Using Tasks.....	67
<b>SIM Manager.....</b>	<b>69</b>
Using SIM Manager.....	69
Changes When Contacts Are Copied to Your SIM Card.....	72
<b>Voice Notes.....</b>	<b>73</b>
<b>Settings.....</b>	<b>74</b>
Viewing and Changing Settings.....	74
Display Properties.....	74
Phone Calls.....	76
PTT.....	80
Vibrate All.....	81
Notifications.....	82
Voice Volume.....	84
Power Management.....	84
Accessibility.....	85
Regional Settings.....	85
Date and Time.....	86
Phone Networks.....	86
Data Connections.....	87
Beam.....	93
Certificates.....	93
Flight Mode.....	94

Profiles .....	94
Security .....	96
Owner Information.....	97
Phone Information.....	97
Remove Programs .....	99
<b>Messaging Features .....</b>	<b>100</b>
Understanding Messaging Features .....	100
Setting up Messaging.....	101
Working with Accounts.....	102
Creating Messages .....	103
Sending and Receiving Messages.....	106
Importing Text Messages.....	107
Viewing and Responding to Messages .....	107
Working with Message Folders .....	111
Configuring Message Notifications.....	112
Sending and Receiving Instant Messages .....	113
<b>Camera and Camcorder .....</b>	<b>116</b>
Pictures .....	116
Video Clips .....	118
Sending Captured Pictures and Video Clips .....	121
Closing the Camera and Camcorder.....	122
<b>Media Theater .....</b>	<b>123</b>
Pictures .....	123
Video Clips .....	127
Audio Only Files .....	129
Sending Video Pictures and Clips .....	129
Opening Camera and Camcorder .....	130
<b>GPS Enabled .....</b>	<b>131</b>
IMPORTANT: Things to Keep in Mind .....	131
Making an Emergency Call .....	132
Viewing Your Approximate Location .....	133
Enhancing GPS Performance .....	134
Updating Satellite Almanac Data .....	135
Setting Privacy Options.....	135

Using GPS with Map Software .....	136
<b>Java Applications .....</b>	<b>139</b>
Deleting Java Applications .....	140
Java Applications and GPS Enabled .....	140
<b>Beaming Information .....</b>	<b>143</b>
<b>ActiveSync .....</b>	<b>145</b>
Understanding ActiveSync .....	145
Setting up ActiveSync .....	145
Synchronization Methods .....	149
Deciding Which Information to Synchronize .....	151
<b>Using Your Smartphone as a Modem .....</b>	<b>153</b>
<b>Internet .....</b>	<b>154</b>
Browsing the Web .....	154
<b>Using Your Phone Internationally .....</b>	<b>158</b>
Features Available at Home and Abroad .....	158
Setting the Way Your Phone Searches for Networks .....	158
Searching for a Network .....	159
<b>Windows Media Player .....</b>	<b>160</b>
<b>Games .....</b>	<b>171</b>
Solitaire .....	171
<b>Calculator .....</b>	<b>172</b>

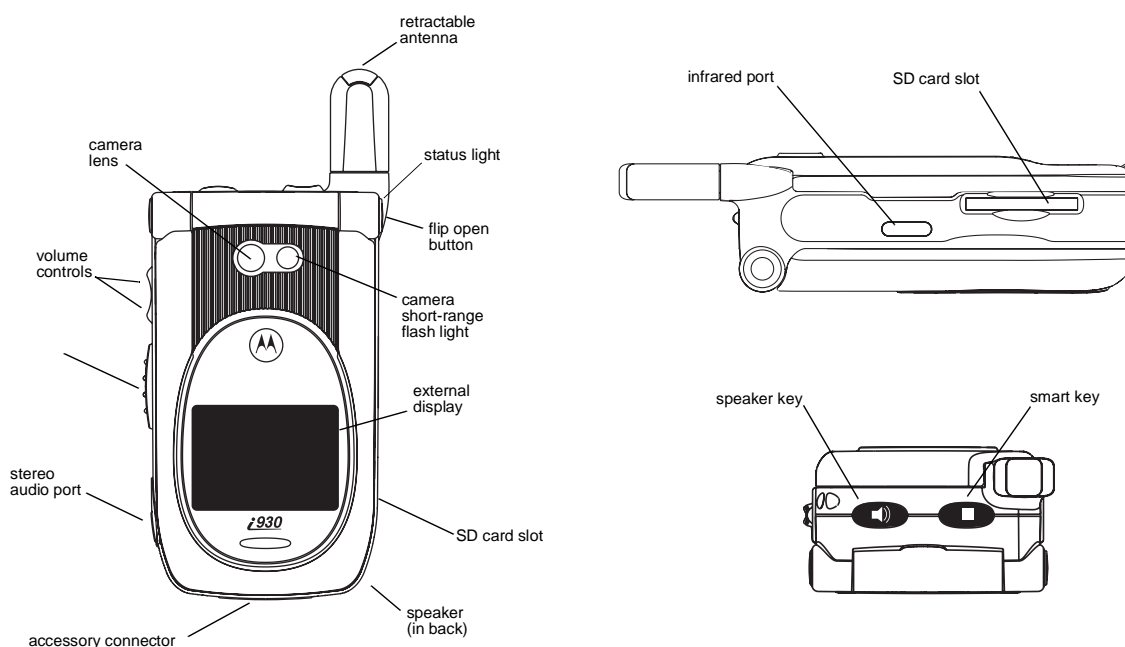
# Getting Started

Congratulations on the purchase of your new i930 phone, a Smartphone with Windows Mobile™ software! This chapter will help you familiarize yourself with your i930 phone and get it ready to use. You will also find information about installing Microsoft® ActiveSync®, how to purchase accessories, and where to find additional help for using your i930 phone.

## Getting to Know Your Smartphone

Before you set up your i930 phone and start using it, take a moment to get familiar with your Smartphone.

### Flip Closed — External Features



### Retractable Antenna

The retractable antenna on your Smartphone is designed to be extended during calls.

To extend the antenna, pull gently on the rounded tip until the antenna is fully extended and clicks into position.

When finished with a call, retract the antenna by pushing gently on the rounded tip until the antenna clicks into place.

To optimize your Smartphone's performance, extend the antenna when you make or receive a call, and avoid touching the antenna with any body part.

**Important:** Failure to fully extend or retract the antenna until the antenna clicks into place causes severely degraded performance, which may result in missed calls, dropped calls, or garbled audio.

## Flip Open Button

Press this to open your Smartphone's flip easily.

## Status Light

The status light appears as a ring around the flip open button.

Status Light	Meaning when phone is on	Meaning when phone is off
Flashing green	In service.	N/A
Solid red	No service.	Connected to the charger and charging.
Solid green	Making a call or in a call.	Connected to the charger, and fully charged.

The status light also flashes when you receive a call, a call alert, or message notification, or play a .midi audio recording on your phone.

You can set the status light not to light up. See "Turn the status light on or off" on page 84.

## Camera Lens

Lets you take pictures with your Smartphone.

## Camera Short-Range Flash Light

Helps light the pictures you take with your Smartphone.

## Volume Controls

Sets the volume of the sound coming out of the earpiece and speaker. When your Smartphone is in a call, the volume controls set the volume of calls. When your Smartphone is not engaged in any activity, the volume controls set the volume of the ringer and of multimedia audio.

The volume controls can also be used to scroll through lists that appear on the external display.

## Push-to-Talk (PTT) Button

Lets you make Private calls and group calls.

## External Display

Shows a portion of the information on the internal display. To see more information, open the flip.

## Speaker

Sound comes out of your Smartphone here when you have the speaker turned on.

## Stereo Audio Port

Insert headset connector here.

**Note:** The stereo audio port is compatible with non-stereo headsets.

## Accessory Connector

Insert the connectors of accessories such as a charger, ActiveSync cradle, or data cable here.



## **Infrared Port**


The infrared port on your Smartphone enables you to send and receive (beam) contact cards, calendar appointments, messages, pictures, and video clips using infrared technology.

## **SD Card Slot**

A secure disk flash memory card (SD card) can be use with the Smartphone. If one has not been given to you by your service provider, you can purchase one.


## **Speaker Key**

The speaker key ():

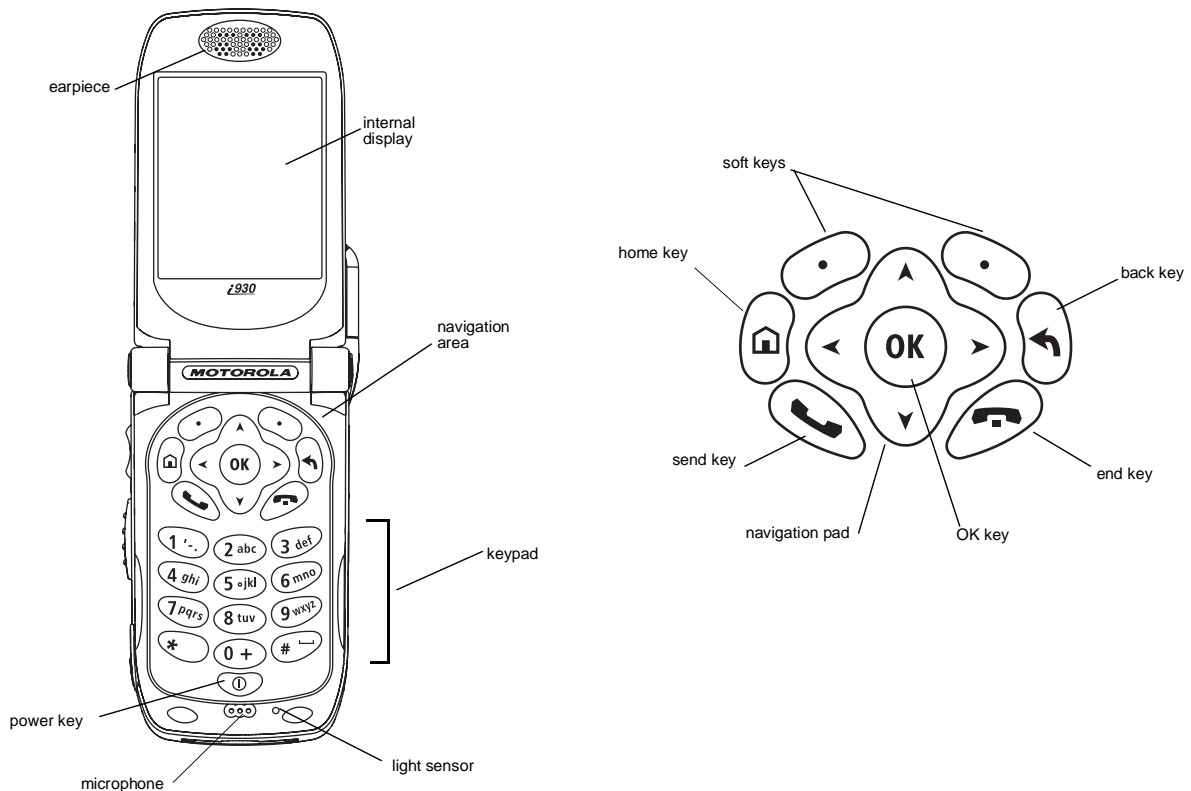
- Acts like the  when your Smartphone's flip is closed.
- Turns speaker on and off.
- Used with voice shortcuts.

## **Smart Key**

The smart key ():

- Acts like  when your Smartphone's flip is closed.
- Accesses recent calls when the flip is closed.
- Suspends and resumes Java applications when the flip is closed.

## Flip Open — Keypad, Navigation Area, and More



### Earpiece

Sound comes out of the earpiece when the speaker is off.

### Power Key

When the Smartphone is turned off:

- Press and hold the Power key (⏻) for 2 to 3 seconds to turn on the Smartphone.

When the Smartphone is on:

- Press ⏻ to display the Quick List, a fast way to change your profile settings or lock the Smartphone.
- Press and hold ⏻ to turn off the Smartphone. Or, press ⏻ and then press ⏻.

### Internal Display

The internal display shows the following information:

- At the top of the screen are status indicators about the current mode, the name of the current activity, or the name of the active program, if one has been selected.
- In the center of the screen is the active menu or program.
- At the bottom of the screen are menus or commands related to the active program.

## Navigation Area

This area contains the keys and controls used to:

- Navigate through your phone's menus, lists, and screens.
- Perform commands.
- Begin phone calls, end phone calls, and put phone calls on hold.

## Navigation pad

Use the navigation pad to move the selection focus up, down, left, or right. This is called "scrolling." In a text field, use the navigation pad to move the cursor right or left, character by character.

## OK Key

Press the OK key (Ⓞ) to open a highlighted item, or to select or clear a check box. The OK key works much like the ENTER key on a keyboard, and is sometimes referred to as the Action key or the "Do It" key.

## Soft Keys

Press a soft key (☺ or ☹) to open the menu or perform the command shown on the screen immediately above the key.

## Send Key

Press the send key (☎) to:

- Dial a phone number that you entered or selected.
- Answer an incoming call.
- Place a call on hold to answer a second incoming call (call waiting).
- Change between an active call and a call that is on hold.

## End Key

Press the end key (☎) to:

- End a call when 1 party is on the line, and end the active call when multiple parties are connected.
- Return to the Home screen.

Press and hold ☎ to lock the keypad.

## Home Key

Press the home key (Ⓜ) to view the Home screen. The Home screen is described later, in "Using the Home Screen" on page 19.

## Back Key

Press the back key (Ⓜ) to go to the previous screen or to end a Private call.



In a text field:

- Press Ⓜ to backspace over 1 or more characters.
- Press and hold Ⓜ to delete the entire contents of the field.



## Keypad

Press keys on the keypad to enter numbers and characters.

### \* Key

- Press  to change between uppercase and lowercase in text input modes.
- Press and hold  to change between text and numeric input modes.

### # Key

- Press and hold  to view a list of symbols that you can enter as text.
- On the **Home** screen, press and hold  to switch between phone lines. This feature is available if your phone supports 2 phone lines.

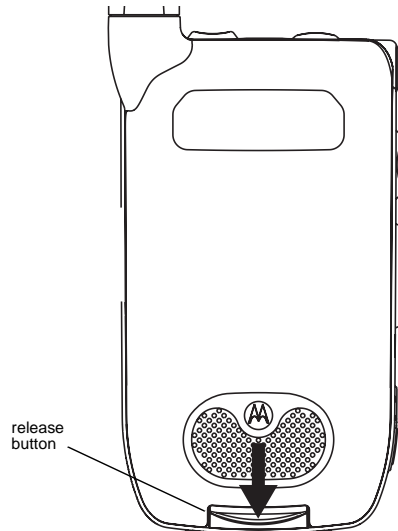
**Note:** If you are not provisioned for a second line and you set your line to line 2, you will not be able to make or receive calls.

# Setting Up Your Smartphone

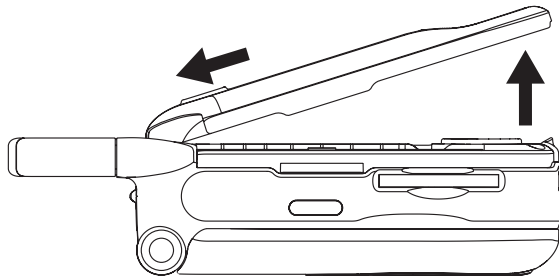
## Locating Your SIM Card

### *Remove the battery door*

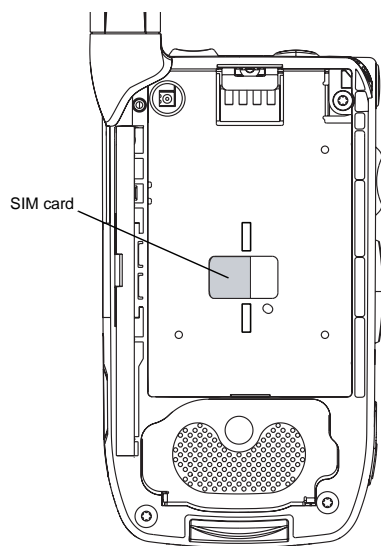
- 1 Slide the release button back until it releases the battery door.



- 2 Allow the battery door to pop up, slide it forward, and remove it from the back of your Smartphone.



Your SIM (Subscriber Identity Module) card is a small piece of plastic located in the SIM card holder in the back of your Smartphone, underneath the battery.



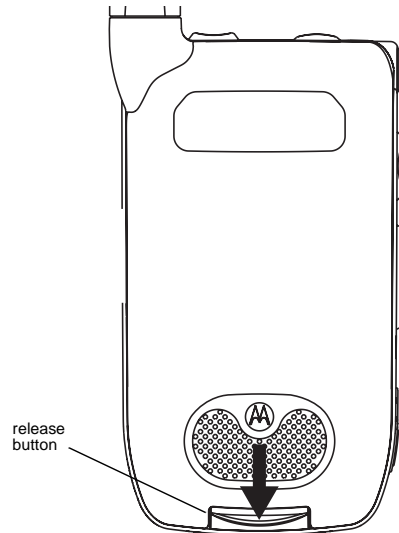
If there is no SIM card in your Smartphone, contact your service provider.

## Charging the Battery

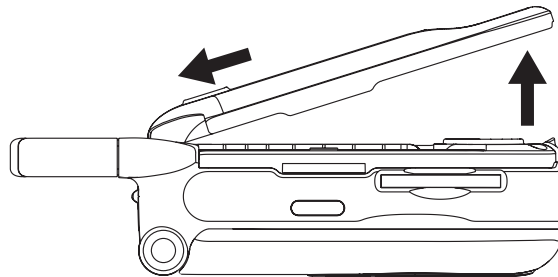
Your Smartphone comes with a High Performance Lithium Ion Battery and a rapid travel charger to charge it.

### ***Insert the battery before charging it***

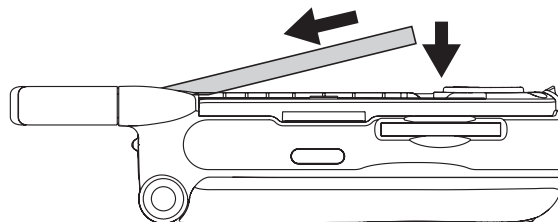
- 1 Slide the release button back until it releases the battery door.



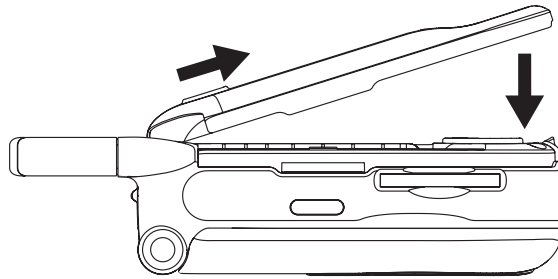
- 2 Allow the battery door to pop up, slide it forward, and remove it from the back of your Smartphone.



- 3 Insert the top of the battery into the battery area. Press the bottom of the battery to secure it.



- 4 Replace the battery door and press it gently until you hear a click.

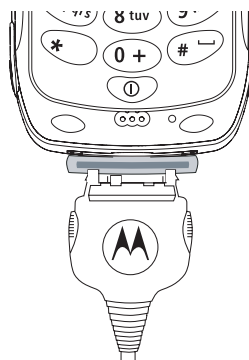


**Charge the battery**

- 1 Plug the charger into an electrical outlet.
- 2 Open the connector cover.



- 3 Plug the other end of the charger into the accessory connector.



**Tip:** To remove the charger from the accessory connector: Press the buttons on the sides of the plug. Pull the plug straight out.

- 4 If you have purchased optional batteries or chargers, see “Charging Times”.

## Charging Times

Check your battery and charger type against the grid below to determine appropriate charging times.

Battery	Charger	
	Rapid	Standard
High Performance	2 hours	4 hours
Extra Capacity	2.5 hours	5.5 hours

For best results, charge the batteries within the temperature range of 50°F to 104°F (10°C to 40°C).

Prolonged charging is not recommended.

## Battery Use and Maintenance

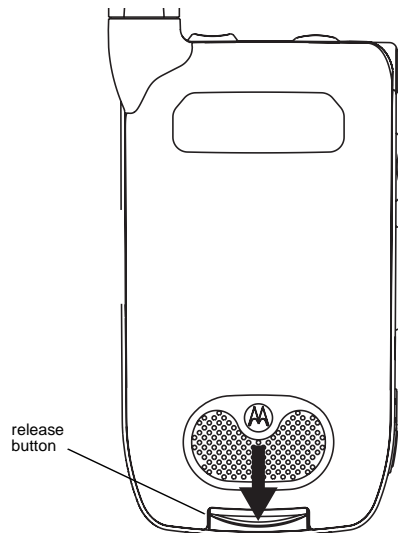
- The Motorola iDEN Approved Lithium Ion chargers provide optimum performance. Other chargers may not fully charge the iDEN Lithium Ion battery or may yield a reduced number of lifetime charge cycles.
- Extreme temperatures degrade battery performance. Do not store the battery where temperatures exceed 140°F (60°C) or fall below 4°F (-20°C).
- Lithium Ion batteries have a self discharge rate and without use, lose about 1% of their charge per day.
- The battery capacity is degraded if the battery is stored for long periods while fully charged. If long term storage is required, store at half capacity.

## Removing the Battery

Normally, it is not necessary to remove your Smartphone's battery, but you may want to if you have purchased an optional charger or want to remove your SIM card.

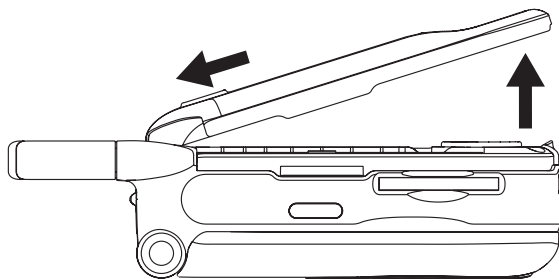
### *Remove the battery*

- 1 Power off your Smartphone.
- 2 Slide the release button back until it releases the battery door.

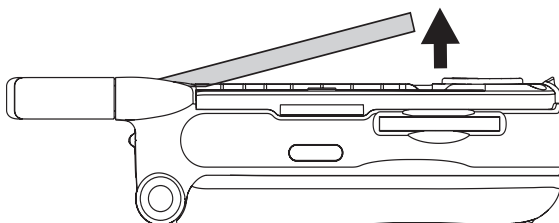




- 3 Allow the battery door to pop up, slide it forward, and remove it from the back of your Smartphone.



- 4 Remove the battery by pushing it toward the antenna and lifting it out.



## Installing ActiveSync

You can use Microsoft® ActiveSync® technology to synchronize the information on your Smartphone with information on your desktop computer and optionally, a server running Microsoft® Exchange® Server with Exchange ActiveSync.

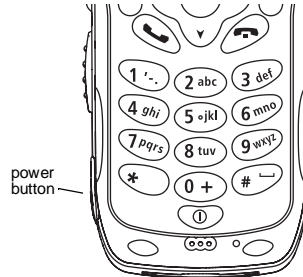
### *Install ActiveSync on the desktop computer*

- 1 Insert the Smartphone CD into the CD drive of your desktop computer. The CD screen will open.
- 2 Click **Getting Started with Windows Mobile**.
- 3 Click **Start Here**.
- 4 Click **Install ActiveSync**.
- 5 Click **Install**.
- 6 Follow the instructions.

# Turning Your Smartphone On

## Turn On

Press and hold the power button for 2 or 3 seconds.



While your Smartphone powers on for the first time, you will receive an alert to select **OK** to restart the device. Select **OK** when prompted.

**Note:** This step is only necessary the first time you power on your Smartphone.

## Turn Off

Press and hold the power button for 2 or 3 seconds.

Or, press the power button and then press .

## i930 Sync Cradle

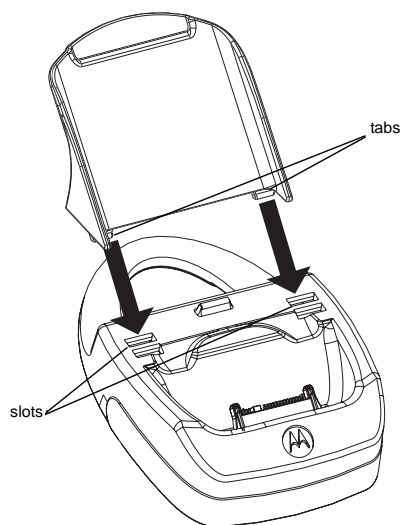
Depending on your service provider, your Smartphone may come with an i930 Sync Cradle and mini USB cable that you use when using ActiveSync. Before using ActiveSync, assemble the i930 Sync Cradle, connect the mini USB cable, and place the Smartphone in the cradle.

Place the Smartphone in the cradle with the Smartphone powered off unless you have already installed ActiveSync on your desktop computer. Do not power on the Smartphone while it is in the cradle until you have installed ActiveSync on your desktop computer.

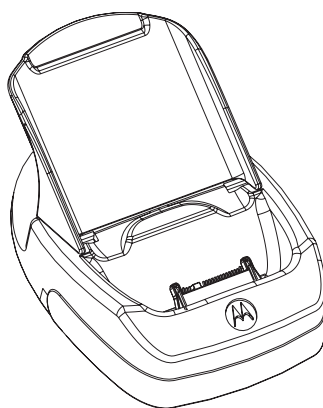
**Tip:** You can also use the i930 Sync Cradle to charge the battery in your Smartphone.

### ***Assemble the i930 Sync Cradle***

- 1 Place the tabs of the phone support into the slots in the base of the cradle.
  - If you are using a High Performance Lithium Ion battery, place the tabs in the slots closest to the front of the base.
  - If you are using an Extra Capacity Lithium Ion battery, place the tabs in the slots just behind the slots closest to the front.

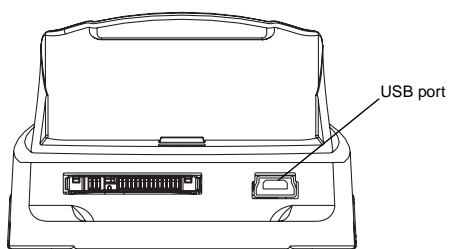


- 2 Press the phone support downward on to the base of the cradle, until it cannot easily be removed.



**Connect the mini USB cable**

- 1 Insert the cable's smaller connector into the cradle's USB port.



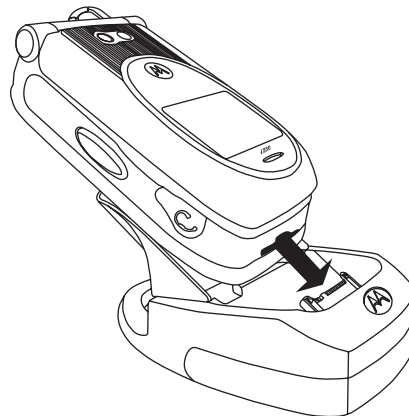
- 2 Insert the cable's large connector into desktop computer's USB port.

### ***Place the Smartphone into the cradle***

- 1 Open the Smartphone's connector cover.



- 2 Place the Smartphone into the cradle, inserting the connector in the base of the cradle into the Smartphone's accessory connector.



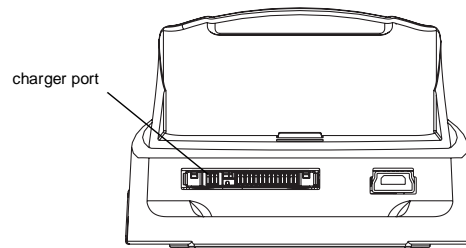
## **Using the i930 Sync Cradle to Charge Your Smartphone**

You can use the i930 Sync Cradle to charge your Smartphone any time, whether or not you are using ActiveSync or have the mini USB cable attached.

### ***Charge the battery***

- 1 Plug the charger into an electrical outlet.

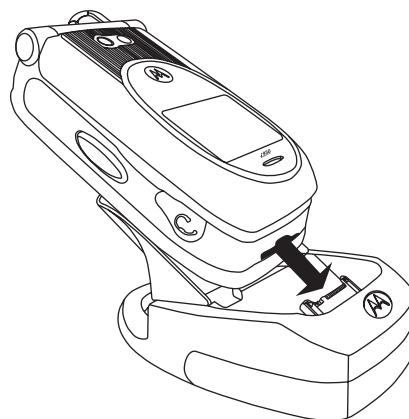
- 2 Plug the other end of the charger into the cradle's charger port.



- 3 Open the Smartphone's connector cover



- 4 If you have not yet installed ActiveSync on your desktop computer, make sure your Smartphone is powered off.
- 5 Place the Smartphone into the cradle, inserting the connector in the base of the cradle into the Smartphone's accessory connector.



## Synchronizing by Using ActiveSync

You can use Microsoft® ActiveSync® technology to synchronize the information on your Smartphone with information on your desktop computer and optionally, a server running Microsoft® Exchange® Server with Exchange ActiveSync. When you do this, ActiveSync compares the information on the Smartphone with the information on the desktop computer and Exchange Server, and updates all locations, keeping you up to date with the most recent information. You can even synchronize on a customizable schedule, or as items arrive.

Use the i930 Sync Cradle and mini USB cable included with your Smartphone to connect your Smartphone to your desktop computer.

To successfully connect your Smartphone to your desktop computer and synchronize information, you must first install ActiveSync on your desktop computer.

Do not connect your desktop computer and Smartphone with the USB cable until after you have installed ActiveSync.

After synchronizing for the first time, take a look at Calendar, Contacts, and Tasks on the Smartphone. You will notice that your information has been copied to the Smartphone. Disconnect the Smartphone from the desktop computer and you are ready to go!


**Tip:** Before you copy your Outlook Contacts to your Smartphone Contact list, it is a good idea to clean up your Outlook Contacts list to avoid duplication of Contacts that may already be on your Smartphone, and to assure that your Contacts are alphabetized consistently with the Contacts on your Smartphone. Your Outlook Contacts are combined in the same list as your Smartphone Contacts.

For more information about installing and using ActiveSync, see “ActiveSync” on page 145.

## Setting Up a Partnership

After you install ActiveSync, assemble the i930 Sync Cradle and use it to connect your Smartphone to your desktop computer. You are now ready to set up a partnership between your Smartphone and your desktop computer.

### ***Run the ActiveSync New Partnership Wizard***

- 1 Press and hold  for 2 to 3 seconds to power on the Smartphone.
- 2 When your desktop computer detects the USB connection, it will start the ActiveSync New Partnership Wizard. Follow the instructions on the screen.

After you finish using the wizard, your data will begin to synchronize between your desktop computer and your Smartphone.

## Accessories

To order accessories, log on to our Web site at [www.motorola.com/store/iden](http://www.motorola.com/store/iden) or contact your Motorola Authorized Retailer.

## Finding More Information

The following table is a guide to finding more information about using your Smartphone.

Information about	Source
Making a phone call	This user guide: "Phone Calls" on page 35.
SIM card	This user guide: "Securing Your Smartphone" on page 28 and "SIM Manager" on page 69.
Entering text	This user guide: "Entering Text and Numbers" on page 24.
Customizing your Smartphone's features	This user guide: "Settings" on page 74.
Programs on the Smartphone	This user guide: "Using the Start Menu" on page 20.
Additional programs that you can install on the Smartphone	Companion CD.
Connecting to and synchronizing with a desktop computer or a Microsoft Exchange Server	Welcome Guide or ActiveSync Help on the desktop computer.
Motorola warranty service or other information.	<a href="http://www.motorola.com/iden/support">http://www.motorola.com/iden/support</a>
Last-minute updates and detailed technical information	Readme files, located in the Microsoft ActiveSync folder on the desktop computer.
Up-to-date information on using ActiveSync with your Smartphone	<a href="http://www.microsoft.com/mobile">http://www.microsoft.com/mobile</a>

# The Basics

This chapter provides basic information about using your Smartphone, such as moving through the screens, understanding what is on your screen, entering text and numbers, and securing the Smartphone.

## Navigation Methods

The following topics describe how to move through the Smartphone screens and perform tasks quickly and easily.

### Using the Navigation Pad

You can use the navigation pad to perform the following actions:

- Scrolling horizontally and vertically, moving the selection focus on the screen.
- Selecting an item that has the focus (is highlighted).

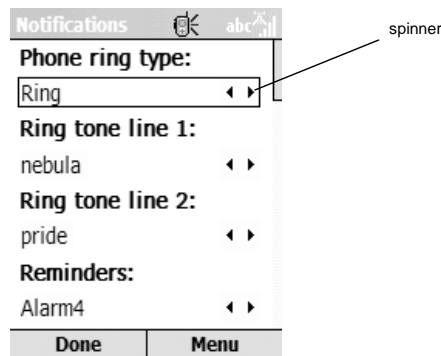
Scroll by pressing the part of the navigation pad that corresponds to the direction in which you want to scroll. Once you have scrolled to an item, you can then select it by pressing **OK** at the center of the navigation pad.

In many cases, scrolling to an item and pressing **OK** (in other words, “selecting” the item) takes you to a program or setting. When you scroll to a check box, pressing **OK** selects or clears the check box.

In most procedures in this document, “select” means scrolling to an item and pressing **OK**.

In some programs, such as Messaging, you can move to the next or previous item by scrolling left or right. For example, when you are viewing a message in Messaging, you can move to subsequent messages in the message list by scrolling right.

Some screens, such as the ones in Settings, let you select an option by scrolling left and right within a field. Usually, you apply the option by pressing the soft key below **Done**.



### Using Soft Keys

There are 2 soft keys on the Smartphone, located directly below the display screen. Pressing a soft key performs the command displayed immediately above it on the screen. Soft key commands may change from one screen to the next.





## Using Menus


On many screens, the right soft key is the Menu soft key. Pressing this soft key displays a list of commands for the current screen. Depending on the menu, selecting a command has one of the following results:

- Performs the command.
- Takes you to another screen where you can perform the command.
- Displays another menu.
- Opens a program.


### **Use a menu command**

- 1 Select **Menu** by pressing  beneath **Menu** on any screen where **Menu** is displayed.
- 2 Select a command by scrolling to it and pressing .

### **Navigate a menu**


- You can choose menu commands quickly by pressing the number on the keypad that corresponds to the number shown next to the command you want.
- When the top menu command is selected, scrolling up moves the selection focus to the menu item on the bottom of the screen.
- To see more of a menu that takes up more than one screen, select **More** from the menu or press .

## Using the Home Key

Pressing  takes you to the Home screen.

## Using the Home Screen

The Home screen is your starting place for most tasks. You can gain access to all of the Smartphone features and programs from the Home screen.

The Home screen displays automatically when you turn on the Smartphone or leave the Smartphone idle when it is on, but you can go to it at any time by pressing .

You can control what displays on your Home screen by choosing from 6 Home screen layout settings: Motorola Basic, Motorola Default, Windows Simple, Windows Default, Windows Basic, and Large Font.

When you receive your Smartphone the Home screen layout setting is Motorola Default.

### **Motorola Default Layout**

The Home screen displays:

- Status icons
- Icons for the 5 programs that you have most recently used.
- The name of the program associated with the icon selected in the row above
- Your service provider's name
- The time and date
- Information about items in your recent calls list, if you are not in a call. Information about active calls and calls on hold, if you are in a phone call.
- The upcoming appointments stored in the phone Calendar.

- The number of voice mail messages you have. Select this area to go to your voice mail messages.
- The number of email messages and text messages (SMS). Select this area to go to your Inbox.
- The Start menu, on the left. Pressing the soft key for this menu takes you to the list of installed programs.
- A variable option, on the right. Pressing this soft key opens the associated program.




### ***Change the Home screen layout***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Home screen layout**, select the option you want.
- 4 Select **Done**.






**Note:** To change other display property settings, see “Display Properties” on page 74.

### ***Open programs from the Home screen***

For all Home screen layouts:

- To open a program from the list of programs on the Start menu, select the start menu by pressing  beneath **Start**, and then select a program by scrolling to it and pressing .
- To open the program that appears as the right variable option, such as **Contacts**, press  beneath it.

For some Home screen layouts:

- To open any the programs that you have most recently used, select the icon associated with the program by scrolling to it (you can scroll left and right by pressing the left and right parts of your navigation pad) and pressing .
- To go to your list of voice mail messages, select voice mail by scrolling to the voice mail area of the screen and pressing .
- To go to your Inbox for your email messages and text messages (SMS), select the Inbox by scrolling to the message area of the screen and pressing . If you have additional email accounts set up, scroll down to view and select them.
- To go to the recent calls list, select it by scrolling to the area showing information about the recent calls list and pressing .
- To go to the Calendar, select it by scrolling to the area showing information about upcoming appointments and pressing .

## **Using the Start Menu**

You can access most of your Smartphone’s features directly from the Start menu.

Pre-installed programs appear on the Start menu, as do programs you install on your phone, such as Java applications.


### ***Open a program***

- 1 On the **Home** screen, select **Start** by pressing  beneath **Start**.
- 2 Select a program by scrolling to it and pressing .

## Assigning a Speed Dial Number to a Program

To make a program on the Start menu easier to access, you can assign that program a speed dial number. When you press and hold the number you have assigned, the program will open.



### *Assign a speed dial number to a program*


- 1 On the **Home** screen, select **Start** by pressing  beneath **Start**.
- 2 Highlight the program you want to assign a speed dial number to.
- 3 Select **Menu**.
- 4 Select **Add Speed Dial**.
- 5 In the screen that appears, you can assign a speed dial number and the name that will appear for the speed dial number in your list of speed dial numbers, or accept the default values that are shown.
- 6 Select **Done**.

## Using the Quick List

The Quick List provides a list of commands that you can use to quickly perform common actions.

### *Use the Quick List*

- 1 Press .
- 2 Select the Quick List command you want by scrolling to it and pressing . Commands are described in the following table.

To	Select this Quick List Command
Turn off the Smartphone.	<b>Power off</b>
Turn off wireless capability. You can turn off wireless capability to conserve battery life when you do not want to make or receive calls, or in environments where cell phones must be turned off. When the wireless capability is turned off you can still use the other Smartphone features.	<b>Flight mode</b>
Lock the keypad so that you cannot make accidental keypresses. To unlock the keypad, select <b>Unlock</b> , and then press  .	<b>Key lock</b>
Turn on all wireless capability, so that you can make and receive calls.	<b>Flight mode off</b>
Make one of these profiles the active profile.	<b>Normal</b> <b>Silent</b> <b>Meeting</b> <b>Outdoor</b> <b>Automatic</b> <b>Headset</b> <b>Car</b> <b>Speakerphone</b>

## Using the Back Key

Pressing ⏪ takes you to the previous screen, in a similar manner to ⏪ on a browser.

In a text field, pressing ⏪ moves the cursor back to delete 1 or more characters. This is similar to pressing the BACKSPACE key on a keyboard.

### ***Backspace and remove 1 character***


















- Press ⏪.










### ***Backspace and remove a line of text***

- Press and hold ⏪.

## Understanding Status Indicators

Status indicators appear at the top of the Smartphone screen. The following table lists common status indicators and their meanings.

Indicator	Meaning
	New email or text message (SMS)
	New voice mail. The icon or icons you see may depend on your network.
	New instant message
	Voice call in progress
	Data call in progress
	Incoming voice calls are being forwarded to another number
	Call on hold
	Missed call
1	Outgoing line 1
2	Outgoing line 2
	Battery level
	Low battery
	Battery charging
	No battery
	Signal strength
	No signal
	General Packet Radio Services (GPRS) available
	General Packet Radio Services (GPRS) in use
	General Packet Radio Services (GPRS) in use for IDEN mode

Indicator	Meaning
	Packet data exchanging for IDEN mode
	Roaming
	Sync error
	Radio off
	Ringer off
	Vibrate instead of ringing
	Speakerphone on — Phone call sounds come through the speaker
	Speaker on — Private call and group call sounds come through the speaker
	Speaker off — Private call and group call sounds come through the earpiece

## Backlight Dimming

A backlight lights the display and keypad when you make or receive a call, open or close the flip, or press keys or buttons.

If you do not do any of these things for 10 seconds, the backlight of the internal display dims. If you do not do any of these things for 30 seconds or more, the backlight turns off.

While on an active call with the flip open or closed, the internal display or external display will remain dimly lit for the duration of the call.

When the backlight is off, pressing a key on the keypad turns the backlight on but does not perform the action associated with the key.

### ***Set time it takes for the backlight to turn off***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Power Management**.
- 3 In **Backlight timeout**, select the amount of time for the Smartphone before the backlight turns off, if you do not make or receive a call, open or close the flip, or press keys or buttons.
- 4 Select **Done**.

# Finding Your Phone Number and Other Basic Information

The Owner Information screen displays the following information about your Smartphone:

This Field	Displays
<b>Name</b>	If you want to fill in this field, enter your name.
<b>Line 1</b>	Your phone number. This number appears when you receive your first phone call.
<b>Line 2</b>	Your Smartphone's second line, if you have one.
<b>PTT</b>	Your Private ID, the number others use to contact you on Private calls.
<b>Email address</b>	If you want to fill in this field, enter your email address here.
<b>PTT Group ID</b>	The number of the Talkgroup you have joined.
<b>Carrier IP</b>	The IP address assigned to your service provider. This field is filled in when you register for packet data services.
<b>IP Address - 1</b>	The IP address you use to access the Internet with your Smartphone. This number appears when you register for packet data service.
<b>IP Address - 2</b>	The IP address you use to access the Internet with your Smartphone. This number appears when you register for packet data service.
<b>Circuit Data</b>	The number you want if you want you use your Smartphone to transfer circuit data. See "Using Your Smartphone as a Modem" on page 153. You get this number from your service provider.
<b>Notes:</b>	If you want to fill in this field, enter the note you want to appear here.

## Access the Owner Information screen

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Owner Information**.

## Entering Text and Numbers

You can enter text and numbers by using the keypad. Smartphone supports 4 input modes for entering text and numbers: Multipress, T9, Numeric, and Symbols. Multipress and T9 modes are used for entering text, Numeric mode is used for entering numbers, and Symbols is used for entering symbols.

When you select a field that requires text or numbers, Smartphone automatically selects the appropriate input mode.

The status indicator on the top right side of the display screen shows the input mode and capitalization that you are currently using.


Indicator	Input mode
abc	Multipress text input mode, lowercase
Abc	Multipress text input mode, uppercase 1 letter
ABC	Multipress text input mode, caps lock

Indicator	Input mode
t9	T9 text input mode, lowercase
T9	T9 text input mode, uppercase 1 letter
<u>T9</u>	T9 text input mode, caps lock
123	Numeric input mode


If you are using Symbols mode, a page of symbols for you to choose from appears on the screen, but no status indicator appears.

### ***Change input modes and capitalization***

To choose Multipress, T9, Numeric, or Symbols mode:

- 1 Press and hold  until a menu appears showing all input modes.
- 2 Select the mode you want.



To choose Multipress, T9, or Numeric mode, and choose the capitalization you want:

- Press  repeatedly until the status indicator for the input mode you want is shown on the top of the display screen.

To select Symbols mode:

- Press and hold .

### ***Delete characters***

- Press  to delete character to the left of the cursor.
- Press and hold  to delete all the characters in a line.









### ***Insert a space***

- Press .






## **Entering Text in Multipress Mode**

To enter a letter in Multipress mode, press the number key on which the letter appears. To enter the first letter on the number key, press the key once. To enter the second letter, press the key twice, and so on.

For example:

- To enter the letter “s,” press    .
- To enter the word “hat,” press  , , .

The letter entered most recently is underlined until you have completed the keypresses for the letter and moved on to the next letter. When you enter letters that are on the same number key, you must pause after entering the first letter and wait until the underline disappears before entering the next letter so that the first letter can be processed. For example:



- To enter the word “cat,” press   , pause, press , pause, and press .

The pause between keypresses is called the Multipress time out, and you can adjust the length of the pause.





### ***Change the Multipress time out***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Accessibility**.
- 3 Select **Multipress Timeout**.
- 4 In **Multipress time out**, select the length of the pause between keypresses.
- 5 Select **Done**.





### **Enter Punctuation in Multipress Mode**


- Press  repeatedly until you see the punctuation mark that you want.  
**Tip:** To see all of the available symbols, press and hold .

### **Entering Text in T9 Mode**

To form a word in T9 mode, press the number keys that contain the letters you want. As you enter letters, T9 analyzes your keypresses and attempts to complete the word. For example, to enter the word “shoe,” press , , , .

#### ***Enter text in T9 mode***

- 1 Select T9 as your input mode.
- 2 Enter letters by pressing the keys on which the letters appear. Press a key only once for each letter.  
**Tip:** If your word is 3 letters long or longer, it is best to press the keys for at least the first 3 letters.
- 3 If the word you want appears:
  - Scroll right to accept the word and move the cursor to the end of the word.
  - Scroll left to accept the word and move the cursor to the beginning of the word.
  - Press  or  to accept the word and enter a space after it.
- 4 If you want to view a list of available words, use the navigation pad to scroll up or down. When the word you want is highlighted:
  - Scroll right to accept the word and move the cursor to the end of the word.
  - Scroll left to accept the word and move the cursor to the beginning of the word.
  - Press  or  to accept the word and enter a space after it.


If you do not see the correct word, backspace to delete the word you entered, press and hold  to change to Multipress mode, and then manually enter the word.

#### ***Enter compound words in T9 mode***

You can string short words together to create longer, compound words like “mailman” or “cannot”.


- 1 Enter the word that is the first part of the compound word, like “mail” or “can”.
- 2 Scroll right to accept the word and move the cursor to the end of the word.
- 3 Enter the word that is the next part of the compound word, like “man” or “not”.

#### ***Enter punctuation in T9 mode***

- Press , then use the navigation pad to scroll through a list of common punctuation and select the one you want.



### **Enter “emoticons” in T9 mode**

- 1 Press  twice or 3 times, depending on the number of characters in the “emoticon” you want.
- 2 Use the navigation pad to scroll through a list of “emoticons” and select the one you want.

### **Having Trouble Entering a Word in T9 Mode?**

T9 cannot always find the word you want in the list of possible words; in these cases, add the word to the T9 dictionary. Next time, you will be able to enter the word in T9 mode.



#### **Add a word to the T9 dictionary**

- 1 Scroll to the end of the list of words and select **Add Word?**.
- 2 Enter the word in Multipress mode.
- 3 Select **Done**.

## **Entering Numbers**


You can enter numbers by using Numeric mode. If you need to enter a number within a line of text, you can change to Numeric mode to enter the number, and then change back to Multipress or T9 mode to finish entering the text.


#### **Enter a number**

- 1 If necessary, change to Numeric mode by pressing and holding .
- 2 On the keypad, press the number you want.
- 3 Change back to Multipress or T9 input mode by pressing and holding , and then finish entering your text.



**Note:** If a field permits a numeric entry only, such as the Work phone field in Contacts, the input mode automatically defaults to Numeric mode.

## **Entering Symbols**

In Multipress and T9 modes, you can access some symbols by pressing .

In any mode you can access all symbols by pressing and holding  until a page of symbols appears. When you select the symbol you want, you are returned to the previous mode.

#### **Enter a symbol**


- In Multipress or T9 mode, press  repeatedly until the symbol you want appears.
- In any mode, press and hold  and select the symbol you want.

## **Performing Common Input Tasks**

#### **Enter a space**

- In Multipress or T9 mode, press .

#### **Start a new line**

- In any input mode, press .

### **Delete characters**

- Press **⌫** to delete the character to the left of the cursor.
- Press and hold **⌫** to delete all the characters in a line.

### **Change between uppercase and lowercase**

- In Multipress or T9 mode, press **↵**.

**Tip:** In Multipress or T9 mode, the first letter of a sentence is automatically capitalized.

### **Lock caps**

- In Multipress or T9 mode, press **↵** twice. Press **↵** again to return to lowercase.

### **Enter a symbol**

- In any input mode, press and hold **☞** and select a symbol.

### **Enter the plus (+) sign for international calls**

- Press and hold **☎**.

## **Securing Your Smartphone**

You can secure your Smartphone by:

- Using your SIM card PIN feature
- Removing the SIM card from your Smartphone
- Locking the Smartphone's keypad

For more security settings, see “Security” on page 96.

### **Using the SIM Card PIN**

To prevent unauthorized use of your Smartphone, your SIM card can be protected by a PIN that you enter each time the Smartphone is powered on. You can change the PIN, and you can select whether you want the requirement that it be entered on or off. The default selection is off.

When the SIM PIN requirement is off, your Smartphone can be used without entering a PIN.

**Important:** When the SIM PIN requirement is off, the personal data on your SIM card is not protected. Anyone can use your Smartphone and access your personal data.

When the SIM PIN requirement is on, you are prompted to enter your PIN each time you power on your Smartphone.

**Note:** If a SIM PIN is required, your Smartphone will not function until the SIM PIN is entered, except for making emergency calls.

### ***Turn the PIN requirement on or off***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** then **Security**.
- 3 Select **Enable SIM PIN** or **Disable SIM PIN**.
- 4 Enter your PIN and select **Done**.

**Note:** The default SIM PIN is 0000. Change your PIN to prevent fraudulent use of the SIM card (see “Change the PIN”).

### ***Enter the PIN***

- 1 When the **Enter PIN** screen appears after you power on your Smartphone, enter your SIM PIN.
- 2 Select **Done**.

**Note:** If you enter your PIN incorrectly 3 times, your SIM card is blocked. To unblock your SIM card, you must contact your service provider. See “Unblock the PIN” on page 29.

### ***Change the PIN***

**Note:** The SIM PIN requirement must be turned on in order to access this feature.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Change PIN**.
- 4 In **Old PIN**, enter the current PIN number.
- 5 In **New PIN**, enter the new PIN number.
- 6 In **Confirm new PIN**, enter the new PIN number again, and select **Done**.

**Important:** Be sure to make a note of your PIN. When the SIM lock is enabled, you must provide this PIN when you turn on your Smartphone to make calls.

### ***Unblocking the PIN***

If you enter your PIN incorrectly 3 times, your SIM card is blocked. To unblock your SIM card, you must contact your service provider to get a PIN Unblock Code (PUK).

**Important:** If you unsuccessfully enter the PUK code 10 times, your SIM card is permanently blocked and must be replaced. If this happens, all data is lost. You will get a message to contact your service provider. Except for making emergency calls, your Smartphone will not function with a blocked SIM card.

### ***Unblock the PIN***

- 1 Contact your service provider.
- 2 At your service provider’s representative’s request, provide the information needed to give you a PUK code.
- 3 Select **Unblock PIN**.
- 4 Enter the PUK code.
- 5 Enter a new 4- to 8-digit SIM PIN.
- 6 Re-enter your SIM PIN.

**Note:** These steps must be performed in quick succession.

If you entered the codes properly, **SIM Unlocked** appears on the display.

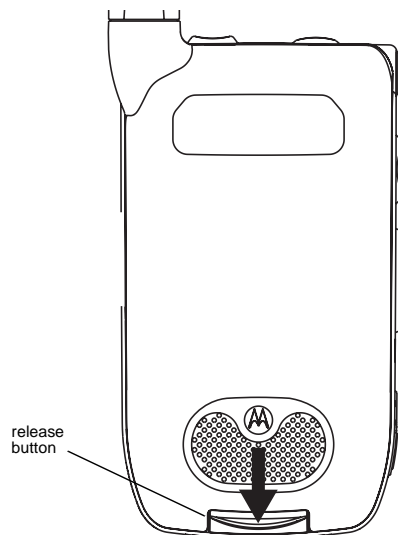
## Removing the SIM Card

Normally, it is not necessary to remove your SIM card, but you may wish to do so for an extra measure of security.

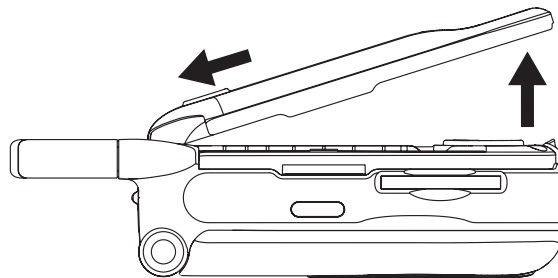
**Important:** Do not touch the gold-colored areas of your SIM card. Protect your SIM card as you would any delicate object. Store it carefully.

### *Removing the SIM card*

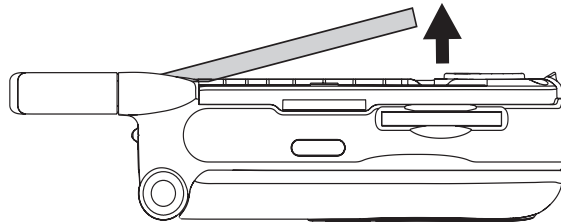
- 1 Power off your Smartphone.
- 2 Slide the release button back until it releases the battery door.



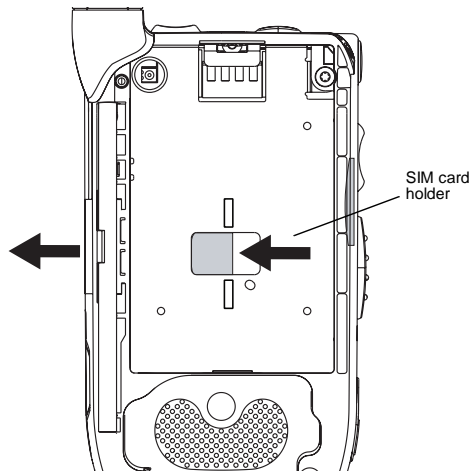
- 3 Allow the battery door to pop up, slide it forward, and remove it from the back of your Smartphone.



- 4 Remove the battery by pushing it toward the antenna and lifting it out.

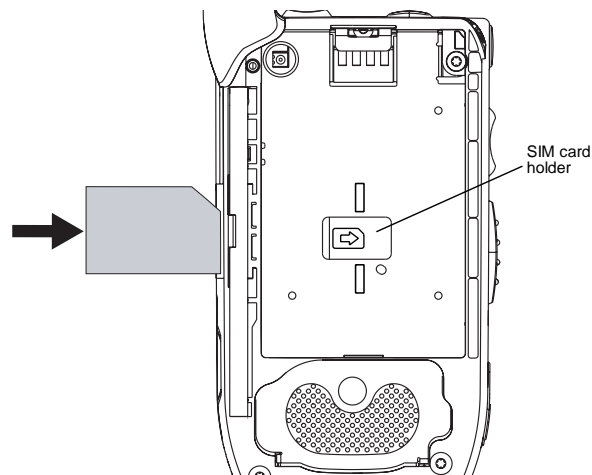


- 5 Slide your SIM card out of the SIM card holder.



### ***Return the SIM card to your Smartphone***

- 1 Make sure the Smartphone is powered off
- 2 If necessary, remove the battery door and battery.
- 3 Hold your SIM card and Smartphone in the orientation shown in step 4.
- 4 Carefully slide your SIM card into your Smartphone until it lines up with the marks above and below the SIM card holder.



## Using a Different SIM Card in Your Smartphone or Using Your SIM Card in a Different Phone — Information May Be Lost

If you remove your SIM card and use it with another phone, or use another SIM card with your Smartphone, the following information is erased:

The SIM card that comes with your Smartphone is designed for optimal Contacts storage and feature use. For SIM card compatibility information, go to [www.motorola.com/iden/support](http://www.motorola.com/iden/support).

If you remove your SIM card and use it with another phone, or use another SIM card with your Smartphone, the following information is erased from your Smartphone:


- The recent calls list
- The call alert queue
- Call forwarding settings
- Call waiting settings
- Owner information

**Note:** In some cases, Contacts may not be accessible if you move your SIM card to another phone. Contacts entries created with your Smartphone may not readable be by an older iDEN SIM-based phone or may appear differently than on your Smartphone.

## Locking the Keypad

- Locking the keypad turns off keypad functionality. This is a helpful feature if, for example, the Smartphone is turned on and in your pocket, and you want to prevent accidental keypresses.

### ***Lock the keypad***

- On the **Home** screen, press and hold . When the Smartphone is locked, the left soft key command displays **Unlock**.

### ***Unlock the keypad***

- On the **Home** screen, select **Unlock** and press .

**Note:** You can still receive calls and make emergency calls when the keypad is locked.

## Using a Headset

If you use a headset or similar device with your Smartphone, you can set your phone to send incoming sound to the headset only, or to the headset and the speaker at the same time.

**Note:** If you are using your Smartphone with a headset, and you have the **Flip to End** option set to **On**, closing your flip sends incoming sound to the headset and does not end the call.

### *Send incoming sound to headset only*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Headset/Speaker**.
- 4 Select **Headset only**.
  - Select **Headset & Speaker** to send incoming sound to the headset and ring tones to the speaker.
- 5 Select **Done**.

### *Send incoming sound to headset and speaker*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Headset/Speaker**.
- 4 Select **Headset & Speaker**.
- 5 Select **Done**.

## Using a Remote PTT Button

If you are using a headset or other accessory with a remote PTT button, you can use the remote PTT button for phone calls, Private calls, and group calls.

For phone calls, use the remote PTT button to answer calls, switch between calls, and end calls. Hold the remote PTT button for less than 2 seconds to answer calls and switch between calls. Hold the remote PTT button for more than 2 seconds to end calls.

For Private calls and group calls, use the remote PTT button as you would the PTT button on your phone.

When you are not in a call or receiving a call, pressing the remote PTT button for more than 2 seconds enables you to enter a phone number by using a voice shortcut.

**Note:** When using a headset, the PTT button on your phone works the same way as when you are not using a headset. Private call and group call sounds will be heard through the headset.

## Navigating and Managing Stored Files

File Explorer enables you to navigate and manage the files stored on your Smartphone, and, if you have purchased an SD card and inserted it into your Smartphone, the files on your SD card.

File Explorer on your Smartphone works similarly to Windows Explorer on your PC. You can view, run, copy, rename, and delete files with it.

Access File Explorer from the Start menu.

When using File Explorer:

- Scroll to highlight folders and files.
- Press **⊞** to expand or close highlighted folders.
- Use the option on the left soft key and the menu on the right soft key to open, run, move, copy, paste, rename, and delete.

## Managing Memory

The following types of items share memory space in your Smartphone:

- Ring tones and other sounds
- Pictures and wallpapers
- Video clips
- All types of messages, except voice mail messages
- Applications you have downloaded
- Contacts entries
- Calendar entries

Deleting any of these items frees more memory for all of these types of items.



# Phone Calls

This chapter explains how to make, receive, and manage digital cellular phone calls, and create aids that help you make calls more efficiently, such as speed dials and voice shortcuts.

## Making a Phone Call

There are several ways to make a phone call. This section describes how to make a call from the following locations:



- The Home screen
- Contacts
- The list of recently dialed phone numbers
- The recent calls list
- An email message

This section also covers how to make emergency calls.

### Making a Phone Call from the Home Screen



On the Home screen, you can call someone by entering a phone number or a contact name using the keypad.

As you begin pressing keys, your Smartphone displays the names from your Contacts and recent call list whose name or phone number match your entry. You can then select the name or number to call without having to enter the entire name or number.


Contacts appear on the Home screen with this icon  and a contact list abbreviation. You can view all the contact list abbreviations for all the numbers stored in this contact by scrolling to the name and then scrolling left and right. The phone call is made to the phone number associated with the contact list abbreviation that is showing when you press .

**Note:** For more information about contact list abbreviations, see “Contacts, Calendar, and Tasks” on page 60.

#### ***Make a call by entering a phone number***

- 1 On the **Home** screen, begin entering the phone number.
- 2 Do one of the following:
  - If you see the number or contact name to call, scroll to it. If the contact list abbreviation for the number you want to call is not showing, scroll left or right to display it. Then press .
  - If you do not see the number or contact name, finish entering the number and press .

### ***Make a call by entering a contact name***


- 1 On the **Home** screen, begin pressing the numbers on the keypad that correspond to the letters in the contact name.
- 2 When you see the contact name, scroll to it. If the contact list abbreviation for the number you want to call is not showing, scroll left or right to display it.
- 3 Press .

**Note:** The number you make the call to becomes the contact's default number.

## **Making a Phone Call from Contacts**


You can make a phone call from your contact list or from an open contact.

When you make a call from your contact list, the Smartphone dials the contact's default number. The contact list abbreviation associated with the default number appears with the contact when you view the contact list. You can change a contact's default number at any time.

You can view all the contact list abbreviations for all the numbers stored in a contact by scrolling to the name and then scrolling left or right. The phone call is made to the phone number associated with the contact list abbreviation that is showing when you press .

When you make a call from an open contact, you can select the number to dial from the contact card.

### ***Make a call from the contact list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Scroll to the contact. If the contact list abbreviation for the number you want to call is not showing, scroll left or right to display it.
- 4 Press .


**Tip:** If you have a long list of contacts, and you don't see the contact you want, enter the first few letters of the contact's name. When you do this, the Smartphone searches through the contact list and displays the name.

### ***Change the default number for a contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact whose default number you want to change.
- 4 Scroll to the phone number that you want to set as the new default number. Make sure you choose a phone number as the default number.
- 5 Select **Menu**, and then select **Set as Default**.

**Note:** When you make a call from the Home screen using a contact, the number you make the call to becomes the contact's default number.



### ***Make a call from an open contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact to call.
- 4 Select the phone number to call.
- 5 Press .

## Making a Phone Call Using a Recently Dialed Number

You can select a name or number from the list of recently dialed phone numbers to call that person again. You can also quickly redial the last number called.

### *Make a call using a recently dialed phone number*


- 1 On the **Home** screen, press  to display a list of recently dialed phone numbers.
- 2 Scroll to the name or phone number to call.
- 3 Press .

### *Dial the last number called*

- On the **Home** screen, press  twice.


## Making a Phone Call from the Recent Calls List

When you make a phone call from the recent calls list, the call is made to the phone number you choose.




If a name on the recent calls list is stored in Contacts with more than one phone number, you can choose to make the call to a different phone number in that contact by scrolling left or right through the contact list abbreviations stored with the contact. The phone call is made to the phone number associated with the contact list abbreviation that is showing when you press .

### *Make a phone call from the recent call list*

#### **With the Flip Open**

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Choose a number to call:
  - Scroll to or select the name or number you want to call.
  - Scroll to a name that is stored in your Contacts. If the contact list abbreviation for the number you want to call is not showing, scroll left or right to display it.
- 4 Press .

#### **With the Flip Closed**

- 1 Press .
- 2 Press the volume controls to scroll to the name or number you want to make a phone call to.
- 3 To make a phone call, press .
- 4 To end the phone call, press .

## Making a Phone Call from a Hyperlink Phone Number

You can quickly dial a phone number from an email that contains a hyperlink phone number. A hyperlink phone number is underlined, in the same manner as a Web site address.

### ***Make a call from a hyperlink phone number***

- 1 From a message containing a hyperlink phone number, scroll to and then select the phone number.

You will be prompted to verify the phone number and if necessary, to include the country code or area code.

- 2 Select **Call**.

For more information about opening messages, see “Viewing and Responding to Messages” on page 107.

## Making Emergency Phone Calls


Your Smartphone supports emergency calling. Emergency phone calls can be made even when your SIM card is blocked or not in your Smartphone.

Dial 911 to be connected to an emergency response center.

When you make an emergency call, your Smartphone’s GPS Enabled feature can help emergency service personnel find you, if you are in a location where your Smartphone’s GPS antenna has established a clear view of the open sky and your local emergency response center has the equipment to process location information. See “GPS Enabled” on page 131, and particularly “IMPORTANT: Things to Keep in Mind” on page 131 and “Making an Emergency Call” on page 132, for more information on the limitations of this feature. Because of the limitations of this feature, always provide your best knowledge of your location to the emergency response center when you make an emergency call.

**Important: If you have not registered on the network, emergency calls cannot be placed while your SIM card is in your Smartphone.**

### ***Make an emergency call***

- Enter 911 and press .

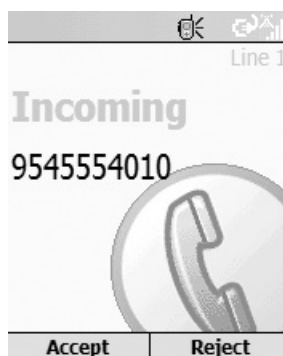
## Having Problems Making a Call?

Check to make sure that the Smartphone contains a valid SIM card and that the Smartphone is turned on and unlocked, and your Smartphone is receiving an adequate signal.



## Receiving a Phone Call

When you receive a call on your Smartphone, the Smartphone rings, and the name and number of the caller are displayed on the screen. If the name of the caller is not in your contact list, only the caller's phone number is displayed.

The Smartphone provides different options for handling a call, depending on whether or not you already have a call on the line. The following screen capture shows the Incoming screen that appears when you are not already on a call.

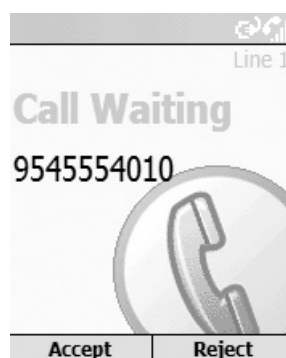


### ***Answer or reject a first call***




- To answer the call, press  or select **Accept**.
- To reject the call, press  or select **Reject**.

**Note:** Selecting **Reject** will connect the caller to your voice mail if you subscribe to this service.

If your service includes Call Waiting, you can receive a second call when you are already on a call. In this case, the Smartphone notifies you with a beep and displays a screen such as the following:



### ***Answer or reject a second call***

- To end the first call and answer the second call, press  and then select **Accept**.
- To put the first call on hold and answer the second call, press  or select **Accept**. To switch between calls, press .
- To postpone answering the call, select **Reject**.

**Tip:** To immediately silence the ring of an incoming call, press the Volume control. You can then proceed to answer the call, if you want.

## Managing Phone Calls

While a call is in progress, you can use menu commands for common tasks. Some of these commands are available only when multiple calls are in progress or during a conference call.

### *Use menu commands during a call*


- Select **Menu** and then one of the commands described in the following table.

To	Select this menu command
End the active call	<b>End</b>
Put the active call on hold	<b>Hold</b>
Activate the call on hold	<b>Unhold</b>
Switch between 2 calls	<b>Swap*</b>
Create a contact card for the caller	<b>Save to Contacts</b>
Join together all existing calls, if you have subscribed to this service	<b>Conference</b>
Break one call out of a conference and make it active while the rest of the conference is on hold	<b>Private</b>
Mute the microphone for the active call; the other party will not hear anything you say, but you can still hear the other party	<b>Mute</b>
Turn the microphone back on for the active call	<b>Unmute</b>

\* If you have two active calls and you end one call, and then you attempt to Swap to another call, you will disconnect the active call.

### *Use call management commands that are not on the menu*

The following table describes other tasks that you can perform while on a call.

To	Do this
Put the current call on hold and answer an incoming call	Select <b>Accept</b> .
Send the incoming call to voice mail	Select <b>Reject</b> .
End the active call	Press  .
Turn the microphone off for the active call so the other party cannot hear you, but you can still hear the other party	Select <b>Mute</b> .
Turn the microphone back on for the active call so the other party can hear you	Select <b>Unmute</b> .

### *Switch between phone lines*

- On the **Home** screen, press and hold  to switch between phone lines. This feature is available if your phone supports 2 phone lines.

**Note:** If you are not provisioned for a second line and you set your line to line 2, you will not be able to make or receive calls.

### ***Go to the Home screen during a call***

- Press .

You can then access other features from the Home screen.

To return to the call screen:

- Press  as many times as needed.



## **Speakerphone**

Turning on speakerphone makes incoming sound come out of the Smartphone's speaker instead of the earpiece. Speakerphone is available whenever you are on an active phone call.

You can turn the speakerphone on or off any time you are on a phone call or dialing a phone number.

### ***Turn speakerphone on or off***

#### **With the Flip Open**

- Press and hold .
- Press  on top of your phone.

#### **With the Flip Closed**

- When you make a call with the flip closed, speakerphone is always on.
- Opening the flip turns speakerphone off.

## **Call Forwarding**

Call forwarding sends calls to the phone numbers you specify. You can forward all calls to one number or forward missed calls to different numbers depending on the reason you missed the call.

### ***Set call forwarding***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Forwarding**.
- 4 Select the condition under which to forward calls:
  - **Unconditional** to forward all calls
  - **No Reply** to forward calls when you do not answer
  - **Busy** to forward calls when your line is busy
  - **Unavailable** to forward calls when your Smartphone is off or out of service range
- 5 Select **Enable call forwarding**.
- 6 Enter the phone number to which calls are to be forwarded.
- 7 Select **Done**.

**Note:** This sets call forwarding for the current outgoing line. To set call forwarding for the other line, make that line the current outgoing line (see "Change the line for outgoing calls" on page 76) and then set call forwarding for that line. The setting for each line remains even if that line is no longer the outgoing line.

## Using the Flip to Answer or End Calls

You can set your Smartphone to answer phone calls by opening the flip, end phone calls by closing the flip, or both.

### *Set flip options*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Flip Activation**.
- 4 To set your phone to answer calls by opening the flip, select **Open flip to answer call**.
- 5 To set your phone to end calls by closing the flip, select **Close flip to end call**.
- 6 Select **Done**.

**Note:** If you are using your Smartphone with a headset, and you have the **Flip to End** option set to **On**, closing your flip sends incoming sound to the headset and does not end the call.

## Retrieving Voice Mail Messages

**Note:** To receive voice mail messages, you must first set up a voice mail account with your service provider.

If you are on the iDEN digital network, you can call your voice mail box by using speed dial 1, which is reserved for your voice mail number, by selecting **Voice Mail** from the **Start** menu, or by selecting the voice mail area on the Home screen.

Follow the instructions to retrieve your messages.

If you are roaming internationally on a GSM network, your voice mail messages arrived as text messages (SMS). You retrieve them as you would any text messages.

## Speed Dials and Voice Shortcuts

Speed dials and voice shortcuts are aids that you can create for dialing frequently called phone numbers quickly, automatically browsing to Web pages, or addressing email messages quickly.

### Speed Dials

You can create 1- or 2-digit speed dials. When you press a speed dial, Smartphone automatically dials the associated phone number, opens an email message using the associated address, or goes to the associated Web page.

You can create speed dials from 2 to 99. Speed dial 1 is reserved for your voice mail number, and is automatically configured in your speed dial settings.

#### *Create a speed dial*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact for whom to create a speed dial.
- 4 Scroll to the phone number, email address, or Web page address for which to create a speed dial.



- 5 Select **Menu** and then **Add Speed Dial**.
- 6 In **Keypad assignment**, select the speed dial number to use.
- 7 Select **Done**.

**Note:** You can create a speed dial only for a phone number, email address, or Web page address that is stored in Contacts.

### ***Use a speed dial***

- On the **Home** screen, press and hold the number on the keypad that you have assigned as a speed dial for the phone number, email address, or Web page. If the speed dial is 2 digits, press the first digit, and press and hold the second digit. The Smartphone dials the phone number, opens a new email message, or goes to the Web page.

### ***View and edit a speed dial***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Speed Dial**.
- 3 Select the speed dial and then **Edit**.
- 4 Make any changes and select **Done**.

### ***Delete a speed dial***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Speed Dial**.
- 3 Select the speed dial to delete.
- 4 Select **Menu** and then **Delete**.
- 5 Select **Yes**.

## **Voice Shortcuts**

You can record a voice shortcut for a phone number. Then, when you speak the voice shortcut, Smartphone automatically dials the associated phone number. You can use a voice shortcut to make a phone call with the flip open or closed.




You can create one voice shortcut for each phone number in a contact. To change the voice shortcut associated with a number, simply record a new voice shortcut in place of the old one.

You can create up to 25 voice shortcuts in all.

### ***Create a voice short cut***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the phone number you want to create a voice shortcut for.
- 4 Scroll to the phone number you want to create a voice shortcut for.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 After the audio and visual cue, begin recording the voice shortcut.
- 7 When prompted, repeat the voice shortcut. The Smartphone plays back the voice shortcut.

### ***Use a voice shortcut to make a phone call***

- 1 While your phone is idle, press and hold . You can do this with the flip open or closed.
- 2 Say the word or words that you recorded as a voice shortcut.  
The Smartphone plays back the voice shortcut and then places the call to the phone number associated with the shortcut.
- 3 To end the phone call:
  - If the flip is closed, press .
  - If the flip is open, press .

**Tip:** To cancel the call before it is placed, do the same as you would to end the call.

### ***Change a voice shortcut***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the phone number you want to change the voice shortcut for.
- 4 Scroll to the phone number that is associated with the voice shortcut you want to change.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 Select **Record New**.
- 7 After the audio and visual cue, begin recording the voice shortcut.
- 8 When prompted, repeat the voice shortcut. The Smartphone plays back the voice shortcut.

### ***Play a voice shortcut***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the phone number you want to play the voice shortcut for.
- 4 Scroll to the phone number that is associated with the voice shortcut you want to play.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 To play the shortcut again, select **Menu** and then **Playback**.

### ***Delete a voice shortcut***


- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the phone number you want to delete the voice shortcut for.
- 4 Scroll to the phone number that is associated with the voice shortcut you want to delete.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 Select **Menu** and then **Remove**.
- 7 Select **Yes**.

# Advanced Calling Options

This section covers advanced dialing options that may be required for making certain types of calls, such as international calls.

## Adding a Pause to a Dialing Sequence

Smartphone allows you to insert an automatic 3-second pause in a dialing sequence.

If you want to insert a pause longer than 3 seconds in the dialing sequence, Smartphone allows you to insert a manual pause, also known as a “wait”. When Smartphone reaches a manual pause while dialing a number, it pauses until you press  to continue the dialing sequence.

### *Insert a 3-second pause in a dialing sequence*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact in whose phone number you want to insert a pause.
- 4 Scroll to the phone number and select **Edit**.
- 5 Scroll through the number and place the cursor where you want to insert the pause.
- 6 Select **Menu** and then **Insert Pause**. The letter “p” appears where the 3-second pause will occur in the dialing sequence.
- 7 Select **Done**.

### *Insert a manual pause in a dialing sequence*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact in whose phone number you want to insert a manual pause.
- 4 Scroll to the phone number and select **Edit**.
- 5 Scroll through the number and place the cursor where you want to insert the pause.
- 6 Select **Menu** and then **Insert Wait**. The letter “w” appears where the manual pause will occur in the dialing sequence.
- 7 Select **Done**.

**Note:** To resume dialing after reaching a manual pause, press .


## International Calls From the United States

**Note:** This service may not be offered by your service provider.

Calls placed between the United States and Canada do not require an international access code.

To make an international call, you must include an international access code at the beginning of the dialing sequence for the phone number. Then enter the country code, city code or area code, and phone number.

### *Insert an international access code*

- Press and hold  until a plus (+) sign appears. The network translates the (+) into the appropriate international access code needed to place the call.


**Note:** You can insert a plus (+) sign into a contact’s phone number or dial it directly from the keypad.

## TTY Calls

You can use your Smartphone to make phone calls using a teletypewriter (TTY) device.

TTY device features such as Turbo-Code, High-Speed, and Interruption are not supported by your Smartphone. These features must be turned off or disabled to use your TTY device with your Smartphone.

### ***Connect your Smartphone to your TTY device and make calls***

- 1 Connect one end of a 2.5mm cable into the stereo audio port on your Smartphone. Connect the other end of the cable to your TTY device.
- 2 Make sure that your Smartphone's TTY feature is on and select the TTY mode you want to use. See "Enable TTY" on page 85.
- 3 Use your Smartphone to enter phone numbers you want to call.
- 4 Press  to make the call.

# Private Calls, Call Alerts, and Group Calls

This chapter explains how to make, receive, and manage Private calls, call alerts, and group calls.

Private calls let you use your Smartphone as a long-range, digital walkie-talkie. Call alerts let the recipient know you would like to talk to him or her on a Private call. Group calls are Private calls to more than one Private ID at the same time.

## Making a Private Call


There are several ways to make a Private call. This section describes how to make a call from the following locations:

- From the Home screen
- From Contacts
- From the recent calls list

### Making a Private Call from the Home Screen



On the Home screen, you can call someone by entering a phone number or a contact name using the keypad.

As you begin pressing keys, your Smartphone displays the names from your Contacts and recent call list whose name or phone number match your entry. You can then select the name or number to call without having to enter the entire name or number.

Contacts appear on the Home screen with this icon  and a contact list abbreviation. If a contact contains a Private ID, you can make a Private call to that number even if the contact list abbreviation for the Private ID (PTT) is not showing.



**Note:** For more information about contact list abbreviations, see “Contacts, Calendar, and Tasks” on page 60.

#### ***Make a Private call by entering a Private ID***

- 1 On the **Home** screen, enter the Private ID:
  - If you see the number or contact name to call, scroll to it.
  - If you do not see the number or contact name, finish entering the number.
- 2 Press and hold the PTT button on the side of your Smartphone.
- 3 Begin talking after your Smartphone emits a chirping sound.
- 4 Release the PTT button to listen.
- 5 To end the call:
  - Wait a few seconds for the call to end automatically.
  - Press  or press .

A Private call ends automatically if there is no activity on the call for a few seconds.



### ***Make a call by entering a contact name***

- 1 On the **Home** screen, begin entering the contact name.
- 2 When you see the contact name, scroll to it and then press and hold the PTT button.
- 3 Begin talking after your Smartphone emits a chirping sound.
- 4 Release the PTT button to listen.
- 5 To end the call:
  - Wait a few seconds for the call to end automatically.
  - Press  or press .

## **Making a Private Call from Contacts**



You can make a Private call from your contact list or from an open contact. If a contact contains a Private ID, you can make a Private call to that number even if the contact list abbreviation for the Private ID (PTT) is not showing.

### ***Make a call from the contact list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Scroll to the contact to call.
- 4 Press and hold the PTT button.
- 5 Begin talking after your Smartphone emits a chirping sound.
- 6 Release the PTT button to listen.
- 7 To end the call:
  - Wait a few seconds for the call to end automatically.
  - Press  or press .

**Tip:** If you have a long list of contacts, and you don't see the contact you want, enter the first few letters of the contact's name. When you do this, the Smartphone searches through the contact list and displays the name.

### ***Make a call from an open contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact to call.
- 4 Press and hold the PTT button.
- 5 Begin talking after your Smartphone emits a chirping sound.
- 6 Release the PTT button to listen.
- 7 To end the call:
  - Wait a few seconds for the call to end automatically.
  - Press  or press .



## Making a Private Call from the Recent Calls List

The recent calls list displays calls you made, received, and missed, as well as call alerts you received.





If a name on the recent calls list is stored in Contacts with a Private ID, you can make a Private call to that number even if the PTT contact list abbreviation is not showing.

### ***Make a Private call from the recent call list***

#### **With the Flip Open**

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Scroll to or select the name or number you want to call.
- 4 Press and hold the PTT button.
- 5 Begin talking after your Smartphone emits a chirping sound.
- 6 Release the PTT button to listen.
- 7 To end the call, press  or press .

#### **With the Flip Closed**

- 1 Press .
- 2 Press the volume controls to scroll to the name or number you want to make a Private call to.
- 3 Press and hold the PTT button.
- 4 Begin talking after your Smartphone emits a chirping sound.
- 5 Release the PTT button to listen.
- 6 To end the call:
  - Wait of few seconds for the call to end automatically.
  - Press .
  - Open the flip and press  or press .

## Having Problems Making a Call?

Check to make sure that the Smartphone contains a valid SIM card and that the Smartphone is turned on and unlocked, and your Smartphone is receiving an adequate signal.

## Receiving a Private Call



When you receive a Private call, your Smartphone emits a chirping sound or vibrates. The name of the caller is displayed on the screen. If the name of the caller is not in your contact list, only the caller's Private ID is displayed.

You can receive a Private call with the Smartphone's flip open or closed.

### ***Answer a Private call***

- 1 Wait for the caller to finish speaking.
- 2 Press and hold the PTT button on the side of your Smartphone. Begin talking after your Smartphone emits a chirping sound.
- 3 Release the PTT button to listen.

### ***End a Private call***

- Press .
- If the flip is closed, press .

A Private call ends automatically if there is no activity on the call for a few seconds.

## **Managing Private Calls**

While a Private call is in progress, you can use menu commands for common tasks. You can also go to the Home screen and access other features without ending the Private call.

### ***Use menu commands during a call***

- Select **Menu** and then one of the commands described in the following table.


To	Select this menu command
Go to Contacts	<b>Contacts</b>
Go to the recent calls list	<b>Recent Calls</b>
Go to Owner Information	<b>Owner Information</b>
Go to the messaging Inbox	<b>Inbox</b>
Go to the messaging Calendar	<b>Calendar</b>

### ***Go to the Home screen during a call***

- Press .

You can then access other features from the Home screen.

To return to the call screen:

- Press  as many times as needed.

## **Voice Shortcuts**

You can record a voice shortcut for a Private ID. Then, when you speak the voice shortcut, Smartphone automatically enters the Private ID associated with that voice shortcut. You can use a voice shortcut to make a Private call with the flip open or closed.

You can create only one voice shortcut for each Private ID. To change the voice short cut associated with a number, simply record a new voice shortcut in place of the old one.

You can create up to 25 voice shortcuts in all.





### ***Create a voice shortcut***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the Private ID you want to create a voice shortcut for.
- 4 Scroll to the Private ID you want to create a voice shortcut for.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 After the audio and visual cue, begin recording the voice shortcut.



- 7 When prompted, repeat the voice shortcut. The Smartphone plays back the voice shortcut.

### ***Use a voice shortcut to make a phone call***

- 1 While your Smartphone is idle, press and hold . You can do this with the flip open or closed.
- 2 Say the word or words that you recorded as a voice shortcut.
- 3 When the Private ID or name associated with the voice shortcut appears on the screen, press and hold the PTT button.
- 4 Begin talking after your Smartphone emits a chirping sound.
- 5 Release the PTT button to listen.
- 6 To end the call:
  - Press  or press .
  - Press .
  - Wait a few seconds for the call to end automatically.

### ***Change a voice shortcut***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the Private ID that is associated with the voice shortcut you want to change.
- 4 Scroll to the Private ID.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 Select **Record New**.
- 7 After the audio and visual cue, begin recording the voice shortcut.
- 8 When prompted, repeat the voice shortcut. The Smartphone plays back the voice shortcut.

### ***Play a voice shortcut***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact containing the Private ID that is associated with the voice shortcut you want to play.
- 4 Scroll to the Private ID.
- 5 Select **Menu** and then **Set Voice Shortcut**.
- 6 To play the shortcut again, select **Menu** and then **Playback**.

## One Touch PTT

One Touch PTT sets your Smartphone to call the most recent Private ID on the recent calls list, or a Private ID you choose, every time you press the PTT button.

### *Set the most recent call as your One Touch PTT number*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **One Touch PTT**.
- 4 Select **Use One Touch PTT**.
- 5 In **Place call to**, select **Last Call**.
- 6 Select **Done**.

### *Set another number as your One Touch PTT number*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **One Touch PTT**.
- 4 Select **Use One Touch PTT**.
- 5 In **Place call to**, select **Assigned Number**.
- 6 Enter the number you want in the **Number** field:
  - Type the number you want into the field.
  - Browse to the number. Select **Menu** and then **Browse Contacts** or **Browse Recent Calls**, as required. Select the number you want.
- 7 Select **Done**.

### *Turn off One Touch PTT*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **One Touch PTT**.
- 4 Select **Use One Touch PTT**. This clears the checkbox and turns off One Touch PTT.

## Call Alerts

Sending a call alert lets the recipient know you want to talk to him or her on a Private call.

### Sending Call Alerts

When you send a call alert, the recipient's phone emits a series of beeps, or vibrates, and displays your name or Private ID.

The recipient can:

- Answer — begin a Private call with the sender
- Queue — store the call alert to the call alert queue, which is a list of call alerts
- Clear — dismiss and delete the call alert

### ***Send a call alert***

- 1 Enter the Private ID you want to send to, as you would when making a Private call. Just as with making a Private call, you can enter the number from the Home screen or choose it from Contacts or the recent call list.
- 2 Depending on how you enter the number, do one of the following:
  - Select **Alert**.
  - If **Alert** is not one of the soft key options, select **Menu** and then select **Alert** or **Alert/Join**.

**Ready to Alert** appears on the display.

- 3 Press the PTT button until **Alert Successful** appears on the display.

**Note:** If the alert is not successful, this may mean the person you are trying to reach is on a call or has their phone turned off.

## **Receiving Call Alerts**

When you receive a call alert, you must answer, queue, or clear it. You cannot receive phone calls or Private calls until you do.


### ***Answer a call alert***

- Press the PTT button to make a Private call to the sender.

### ***Queue a call alert***

- Select **Queue**.

### ***Clear a call alert***

- Select **Clear**.
- If the flip is closed, press .

**Note:** The recent calls list also stores call alerts you have received. They appear as Private calls. Call alerts remain in your recent calls list until you delete them or until they reach the end of the list.

## **Using the Call Alert Queue**

When you queue a call alert, it remains in the call alert queue until you make a Private call to the sender, or delete the call alert from the queue.

### ***View call alerts***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Scroll through the list.

### ***View the date and time a call alert was received***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Select the call alert you want information on.

***Make a Private call to the sender***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Scroll to the call alert you want to respond to.
- 4 Press the PTT button to begin the call.

This removes the call alert from the queue.

***Send a call alert to the sender***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Scroll to the call alert you want to respond to.
- 4 Select **Alert**. **Ready to Alert** appears on the display.
- 5 Press the PTT button until **Alert Successful** appears on the display.

***Delete a call alert from the queue***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Scroll to the call alert you want to delete.
- 4 Select **Menu** and then select **Delete**.
- 5 Select **Yes** to confirm.

***Delete all call alerts from the queue***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Select **Menu** and then select **Delete All**.
- 4 Select **Yes** to confirm.

***Sort call alerts by the order they were received***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Call Alert Queue**.
- 3 Select **Menu** and then select **Sort By**.
- 4 Scroll left or right to select the **First On Top** or **Last On Top**.
- 5 Select **Done**.

## Group Calls

A group call is similar to a Private call, but is made to all members of a Talkgroup at once. A Talkgroup is a predetermined group of your service provider's customers.

Before you can make or receive group calls, a Talkgroup must be established. After the Talkgroup is established, you must join the Talkgroup.

### Setting Up and Joining Talkgroups

Your sales representative or your service provider establishes Talkgroups for you and assigns each Talkgroup a Talkgroup number. You can choose a name for each of your Talkgroups when you create entries for them in Contacts.

To receive group calls made to any of these Talkgroups, you must join the Talkgroup.

#### *Join a Talkgroup*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Scroll to the Talkgroup you want to join.
- 4 Select **Menu** and then select **Alert/Join**.

**Note:** You can only monitor one Talkgroup at a time.

### Making and Receiving Group Calls

#### *Make a group call*

- 1 Enter the Talkgroup number:
  - Press **#**. Then enter the Talkgroup number using the keypad.
  - Choose the Talkgroup name from Contacts or the recent call list.
- 2 Proceed as if making a Private call.

#### *Answer a group call*

- Proceed as if answering a Private call. Only one person at a time may speak on a group call.

The Private ID or name of the person who is speaking will appear on the display below the Talkgroup number.

### Turning Off Group Calls

If you don't want hear any calls to your Talkgroup, you can set your Smartphone to silence all group calls.

#### *Silence all group calls*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **PTT Group Silent**.
- 4 In **PTT Group Silent**, select **On**.
- 5 Select **Done**.






When you want to hear group calls again, select **Off** in step 4.

# Recent Calls

The recent calls list contains the numbers of up to 20 of the most recent calls you have made, received, and missed.

## Viewing the Recent Calls List

The recent call list displays the following for each call on the list:

- An icon indicating the type of call:
  -  — missed phone call
  -  — incoming phone call
  -  — outgoing phone call
  -  — Private call or call alert
  -  — group call
- The name or number associated with the call. The name appears instead of the number if the number is stored in Contacts with a name.
- How long ago the call ended.
- For phone calls, the number of missed calls from that phone number, if there have been more than one. For example, “5x” means missed 5 calls from that number.
- If a number on the recent calls list is stored in Contacts, the contact list abbreviation appears with the number. All Private calls, call alerts, and group calls appear with the contact list abbreviation PTT. Phone calls stored in Contacts appear with the contact list abbreviation the number is stored as.
- You can view all the contact list abbreviations for all the numbers stored in Contacts with a name on the recent calls list by scrolling to the name as then scrolling left and right.

When you select a call to view its details, you see the following additional information about the call:



- Both the name and number associated with the call, if the number is stored in Contacts with a name.
- The date and time of the call.
- The duration of the call.
- An icon indicating the type of call, like when viewing the list.

### ***View the recent calls list***

#### **With the Flip Open**

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Scroll through the list.
- 4 If a number on the recent calls list is stored in Contacts, you can scroll to the number and then scroll left or right to view all the contact list abbreviations for all the numbers stored with that name.

**With the Flip Closed**

- 1 Press .
- 2 If you want to view the rest of the recent calls list, press the volume controls.
- 3 Press  twice to dismiss the recent calls list.

***View the details of a call on the recent calls list***

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Select the item you want information on.

## Saving to Contacts

Numbers on the recent calls list can be saved as new contacts or in contacts entries.


***Save a number from the recent calls list to Contacts***

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Select the item you want to save.
- 4 Select **Menu** and then select **Save**.
- 5 Choose to save the number as a new contact or in an existing contact:
  - To save the number as a new contact, select **<New Item>**.
  - To save the number in an existing contact, select the contact you want to save the number to.
- 6 Scroll to the place in the Contacts entry screen where you want to store the number from the recent calls list.
- 7 Select **Insert**.
- 8 Add any addition information that you want to save in the contact, such as a name.
- 9 Select **Done**.

## Making Calls From the Recent Calls List


### Phone Calls

When you make a phone call from the recent calls list, the call is made to the phone number you choose.




If a name on the recent calls list is stored in Contacts with more than one phone number, you can choose to make the call to a different phone number in that contact by scrolling through the contact list abbreviations stored with the contact. The phone call is made to the phone number associated with the contacts list abbreviation that is showing when you press .

## ***Make a phone call from the recent call list***

### **With the Flip Open**

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Choose a number to call:
  - Scroll to or select the name or number you want to call.
  - Scroll to a name that is stored in your Contacts. If the contact list abbreviation for the number you want to call is not showing, scroll left or right to display it.
- 4 Press .

### **With the Flip Closed**

- 1 Press .
- 2 Press the volume controls to the scroll to the name or number you want to call.
- 3 To make a phone call, press .
- 4 To end the phone call, press .


## **Private Calls**

The recent calls list displays calls you made, received, and missed, as well as call alerts you received.



If a name on the recent calls list is stored in Contacts with a Private ID, you can make a Private call to that number even if the PTT contact list abbreviation is not showing.

## ***Make a Private call from the recent call list***

### **With the Flip Open**

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Scroll to or select the name or number you want to call.
- 4 Press and hold the PTT button.
- 5 Begin talking after your Smartphone emits a chirping sound.
- 6 Release the PTT button to listen.
- 7 To end the call, press .

### **With the Flip Closed**

- 1 Press .
- 2 Press the volume controls to the scroll to the name or number you want to call.
- 3 Press and hold the PTT button.
- 4 Begin talking after your Smartphone emits a chirping sound.
- 5 Release the PTT button to listen.
- 6 To end the call:
  - Wait of few seconds for the call to end automatically.
  - Open the flip and press .



## Deleting Items From the Recent Calls List

### *Delete an item from the recent calls list*

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Select the item you want to delete.
- 4 Select **Menu** and then select **Delete**.
- 5 Select **Yes** to confirm.

### *Delete all items on the recent calls list*

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Select **Menu** and then select **Delete All**.
- 4 Select **Yes** to confirm.

## Returning to the Home Screen After a Call

When you end a call, the recent calls list appears. You can set how long the recent calls list is displayed before the Smartphone automatically displays the Home screen. The values you can choose are: immediately, 30 seconds, 1 minute, 5 minutes, and 10 minutes.

### *Set the Return to Home screen time*

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Select **Menu** and then select **Return to Home**.
- 4 To set the amount of time the Smartphone displays the recent call list after a phone call:  
In **Return after phone call**, select a time.
- 5 To set the amount of time the phone displays the recent call list after a Private call:  
In **Return after PTT**, select a time.
- 6 Select **Done**.

# Contacts, Calendar, and Tasks

This chapter introduces features on your Smartphone that help you manage and keep track of contacts, appointments, and schedule, and maintain a things-to-do list. This chapter also explains how to send and receive contact and appointment information between your Smartphone and another mobile device or a desktop computer (beaming data) by using infrared technology.

For information about synchronizing Contacts with your desktop computer, see “ActiveSync” on page 145.

## Using Contacts



You can think of Contacts as an address book, where you store information about people and businesses with whom you communicate. For example, you can store multiple phone numbers, email and street addresses, Web pages, as well as other information that relates to the contact, such as a birthday or anniversary date.

You can specify a special ring tone for the Smartphone to use when a contact calls. You can also assign a contact to a category, such as business or personal, so you can filter the contact list to view contacts in a category. You can use Contacts to dial phone numbers and compose email and text messages directly from a contact card. The contacts you create are saved in your Smartphone, but you can copy them to your SIM card and copy contacts on your SIM card to your phone. You can synchronize contact cards with your desktop computer or beam contact cards to another device.

**Note:** Your Smartphone may display the menu option **New SIM Contact**. This option has no function. Please do not select it.

## The Contact List

The contact list displays the names of your contacts alphabetically. From this list, you can create new contact cards with address, phone, and email information. You can also easily call a contact directly from the list, open a contact card to view and edit its information, or delete a contact card. When you synchronize with your desktop computer, your contact information is updated to reflect any changes on both your Smartphone and your desktop computer.

Beside each name in the contact list is an abbreviation for the default communication method. If the default method is a phone number, such as a work (w) or home phone number (h), when you scroll to the contact and press , the Smartphone automatically dials that number. If the default method is email, when you scroll to the contact and press  twice, the Smartphone opens an email message addressed to the contact. This makes it easy to reach a contact by using the method you prefer.

**View the contact list**








- On the **Home** screen, select **Contacts**.

The following table describes abbreviations that might be displayed to the right of a contact name in the contact list.

Contact list abbreviation	Meaning
w	Work phone
w2	Second work phone
h	Home phone
h2	Second home phone
m	Mobile phone
pgr	Pager
car	Car phone
PTT	Private ID or Talkgroup number
txt	Text message number
e	Email address
e2	Second email address
e3	Third email address
web	Web page
wfx	Work fax (appears only when contact is open)
hfx	Home fax (appears only when contact is open)
ast	Assistant's phone (appears only when contact is open)

**Note:** Although Private IDs and Talkgroup numbers both use the PTT abbreviation, the # sign always appears before a Talkgroup to distinguish the 2 types of numbers.

**Find a contact**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Begin entering the name of the contact to find until the name is displayed. For example, to find "Sandra," enter , , , , , ,  because these numbers correspond to the letters for that name.

**Filter the contact list**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select **Menu** and then **Filter**.
- 4 Select a category to filter, such as **Business**, **Miscellaneous**, or **Personal**.

The contacts assigned to the category you selected are displayed in the list.

### **Create a new contact**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts** and then **New**.
- 3 Enter information for the new contact.
- 4 Select **Done**.

To cancel and return to the contact list without creating a contact card, select **Menu** and then **Cancel**.

You can insert pauses in the dialing sequence of a phone number, such as for an international call. For more information, see “Adding a Pause to a Dialing Sequence” on page 45.

You can synchronize contact cards with your desktop computer or Microsoft® Exchange Server to keep your contact information up-to-date in all locations. For more information, see “ActiveSync” on page 145.

### **Save numbers from the recent calls list to Contacts**

- 1 From the **Home** screen, select **Start**.
- 2 Select **Recent Calls**.
- 3 Select the item you want to save.
- 4 Select **Save**.
- 5 Choose to save the number as a new contact or in an existing contact:
  - To save the number as a new contact, select **<New Item>**.
  - To save the number in as existing contact, select the contact you want to save the number to.
- 6 Scroll to the place in the Contacts entry screen where you want to store the number from the recent calls list.
- 7 Select **Insert**.
- 8 Add any additional information that you want to save in the contact, such as a name.
- 9 Select **Done**.

### **Delete a contact**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Scroll to the contact to delete.
- 4 Select **Menu** and then **Delete**.
- 5 Select **Yes**.


**Note:** The next time you synchronize, the contact is deleted from Outlook on your desktop computer as well. If you have not previously synchronized, however, the contact is not deleted.

## Making Calls from Contacts

You can make phone calls and Private calls from your contact list or from an open contact.


When you make a call from your contact list, the Smartphone dials the contact's default number. The contact list abbreviation associated with the default number appears with the contact when you view the contact list. You can change a contact's default number at any time.

You can view all the contact list abbreviations for all the numbers stored in this contact by scrolling to the name and then scrolling left and right.



A phone call is made to the phone number associated with the contact list abbreviation that is showing when you press . When you make a call from an open contact, you can select the number to dial from the contact card.

If a contact contains a Private ID, you can make a Private call to that number even if the contact list abbreviation for the Private ID (PTT) is not showing.


### ***Make a phone call from the contact list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Scroll to the contact. If the contact list abbreviation for the number you want to call is not showing, scroll left or right to display it.
- 4 Press .

### ***Make a phone call from an open contact***


- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact to call.
- 4 Scroll to phone number to call.
- 5 Press  or .

### ***Make a Private call from the contact list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Scroll to the contact to call.
- 4 Press and hold the PTT button.
- 5 Begin talking after your Smartphone emits a chirping sound.
- 6 Release the PTT button to listen.
- 7 To end the call, press .

### ***Make a Private call from an open contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact to call.
- 4 Press and hold the PTT button.
- 5 Begin talking after your Smartphone emits a chirping sound.
- 6 Release the PTT button to listen.



7 To end the call, press .

### ***Change the default number for a contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact whose default number you want to change.
- 4 Scroll to the phone number that you want to set as the new default number. Make sure you choose a phone number as the default number.
- 5 Select **Menu**, and then select **Set as Default**.

**Note:** When you make a call from the Home screen using a contact, the number you made the call to becomes the contacts default number.


## **Contact Cards**

A contact card displays all of the information that you have entered for the contact, such as the name of the person or business, phone numbers, email addresses, and more. You can select a phone number on a contact card and press  to dial it. You can also select an email address or text message number and press  to open a message addressed to the contact.

### ***View and edit a contact card***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact whose card you want to view.
- 4 To edit the card, select **Edit**.
- 5 When finished making changes, select **Done**.

### ***Call a contact from a contact card***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact to call.
- 4 Scroll to the phone number to dial.
- 5 Press .

### ***Send a message from a contact card***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact.
- 4 Select the email address or text message number to use.
- 5 Select the account to use.
- 6 Enter a subject, compose your message, and then select **Send**.

**Note:** For information about composing email messages, see “Creating Messages” on page 103.

Using the contact card menu commands, you can quickly create a speed dial or voice shortcut for the contact. You can also beam the contact card to another mobile device or a desktop computer by using infrared, if your device has this capability.

**Note:** For information about creating speed dials and voice shortcuts, see “Phone Calls” on page 35. For instructions on beaming a contact card, see “Beaming Information” on page 143.

## Using Calendar

Calendar is the scheduling program on your Smartphone, where you can create and view appointments and view your calendar by day, week, or month. When you create and edit appointments in Calendar, your changes are reflected in Outlook on your desktop computer when you synchronize.

**Tip:** The default reminder time is 15 minutes prior to an appointment. You can change this by selecting **Menu** and then **Options** from within Calendar.

**Note:** When you create a new appointment on your Smartphone, you can synchronize Calendar with your desktop computer or Exchange Server to keep your schedule information up-to-date in all locations.

### *Open Calendar*

- On the **Home** screen, select **Start** and then **Calendar**.

### *Create a new appointment*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select **Menu** and then **New**.
- 4 Enter information about the appointment.
- 5 In **Reminder**, scroll to the amount of time before the appointment that you want to be reminded. If you don't want to be reminded, select **None**.
- 6 Select **Done**.

### *View an appointment*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select the appointment to view.

### *Edit an appointment*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select the appointment and then **Edit**.
- 4 If the appointment is recurring, select **Yes** to edit only the current occurrence, or select **No** to edit the series.
- 5 Make your changes and select **Done**.

### *Delete an appointment*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Scroll to the appointment to delete.
- 4 Select **Menu** and then **Delete**.

- 5 If the appointment is recurring, select **Yes** to delete only the current occurrence, or select **No** to delete the series.

**Tip:** To cancel a deletion, press ⌘.

**Note:** When you delete an appointment in Calendar on your Smartphone, it is also deleted on your desktop computer the next time you synchronize. If you have not previously synchronized, however, the appointment is not deleted.

## Viewing Your Schedule

You can view your schedule in 3 different views: Agenda, Week, and Month.

### Agenda View

Agenda view is the default view for calendar information. This view displays meetings and appointments scheduled for the current day. Appointments are shown in chronological order according to start time. All-day appointments are shown as a single line at the top of the Agenda view. Up to 3 all-day events are displayed. If more than 3 all-day events are scheduled, you can scroll to see the additional events.

#### *View today's agenda*

Do one of the following:

- On the **Home** screen, select your upcoming appointments.
- From Week or Month view in Calendar, select **Menu** and then **Go to Today**.

**Tip:** To view previous or approaching dates, scroll left or right.

#### *View your agenda for a specific date*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select **Menu** and then **Go to Date**.
- 4 Enter the date to view.
- 5 Select **Done**.

### Week View

Week view shows your schedule a week at a time. Week view gives you a quick indication of your free and busy time, and allows you to create an appointment at a selected time easily.

By default, Week view displays the hours from 9:00 A.M. to 5:00 P.M. in 1-hour increments on the left side of the screen. You can scroll up or down to show the hours before or after those displayed.

**Note:** If you scroll up or down and then leave Week view, the hours last shown are displayed when you return to Week view.

#### *View appointments for the week*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select **Menu** and then **Week View**.



## Month View

Month view provides an overview of your schedule 1 month at a time. Arrows pointing upward represent morning appointments, and arrows pointing downward represent afternoon appointments. If you have both morning and afternoon appointments on the same day, the arrows form a colored box. All-day events are indicated by an empty box. If you have morning and afternoon appointments and an all-day event on the same day, an empty box surrounds a colored box.

### *View your schedule for the month*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select **Menu** and then **Month View**.

## Customizing the Calendar View

You can change viewing options for Calendar, such as specifying the first day of the week and the number of days per week to display, as well as showing and hiding week numbers.

### *Customize the calendar view*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select **Menu** and then **Options**.
- 4 Scroll to select the options you want, and make your changes.
- 5 Select **Done**.

## Importing Calendar Information

You can import calendar information from another calendar program that uses the iCal or vCal format. You can import calendar information from attachments in email messages, text messages, and links in Microsoft® Pocket Internet Explorer, or by beaming. When you import information and then synchronize, the information is added to Outlook on your desktop computer.

## Using Tasks

A task is a personal or work-related project, assignment, or errand to track through completion. A task can occur once, or it can recur. A recurring task can repeat at regular intervals or repeat based on the date you mark the task complete. For example, you might want to pay a bill on the last Friday of every month, or get a haircut when 1 month has passed since your last haircut.

### The Task List

The task list is your “things to do” list. On the Smartphone you can create and delete tasks and mark them as complete. Completed tasks are displayed with the corresponding check box selected.

When you create or edit tasks with Outlook on your desktop computer and then synchronize with your Smartphone, additional task information may display. A task that has been marked as high priority is preceded by an exclamation mark, and one marked as low priority by a down arrow. On color devices, overdue tasks are displayed bold and red.

**Note:** If you synchronize tasks with your desktop computer, completed tasks are removed from your Smartphone during synchronization. They are then displayed in gray with a strikethrough on your desktop computer.

### ***Create a new task***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Tasks**.
- 3 Enter the task and press **Ⓜ**.

**Note:** When you create a new task on your Smartphone, you can synchronize tasks with your desktop computer to keep your task list up-to-date in both locations.

If you create a new task with a reminder on your desktop computer and synchronize tasks with your Smartphone, you hear the reminder on your Smartphone.

### ***Mark a task as complete***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Tasks**.
- 3 Scroll to the task and select **Complete**.

### ***Change a completed task to incomplete***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Tasks**.
- 3 Scroll to the task and select **Activate**.

### ***Delete a task from the task list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Tasks**.
- 3 Select the task and then **Delete**.

# SIM Manager

When you enter a new contact into Contacts, that contact is stored on your Smartphone, not your SIM card. The contact is not saved on your SIM card until you copy it to your SIM card using SIM Manager.

**Note:** This section describes using the SIM Manager with the SIM card provided with your Smartphone. Using SIM Manager with the SIM card provided with an older iDEN SIM-based phone may produce different results.

## Using SIM Manager

The SIM Manager lets you manage your contacts so that your SIM card stays current. You can do the following with the SIM Manager:

- Copy a contact from your Smartphone (Contacts) to your SIM card
- Copy an contact from your SIM card to your Smartphone (Contacts)
- Manage your current set of SIM card contacts

You can select either a contact or only certain contact types for the given contact. When you choose to select only certain contact types, the checkbox next to the contact in the Contacts list will be both checked and grayed out.

The following table outlines the task set for each component of the SIM Manager.

Copy to SIM	Copy to Contacts	Manage SIM
Sort the contacts list	Sort the contacts list	Sort the contacts list
Search for contacts	Search for contacts	Search for contacts
View all contact types for a selected contact	View all contact types for a selected contact	View all contact types for a selected contact
Select only certain contact types for a selected contact	Select only certain contact types for a given contact	Select only certain contact types for a given contact
Select all contacts	Select all contacts	Select all contacts
Select only new contacts	Select only new contacts	Select only new contacts
Copy contacts from Smartphone to SIM	Copy contacts from SIM to Smartphone	Copy contacts from SIM to Smartphone
		Copy contacts from Smartphone to SIM
		Edit a selected contact
		Delete selected contacts
		Delete all contacts

The SIM Manager can store up to 3000 contacts.

### ***Copy contacts from your Smartphone to your SIM***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**, and then **Copy to SIM**.
- 3 Select each contact you want to copy.

**Note:** If you select a contact that is already on your SIM, that contact will not be copied.

- 4 Select **Copy**.

### ***Copy contacts from your SIM to your Smartphone***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**, and then **Copy to SIM**.
- 3 Select each contact you want to copy.

**Note:** If you select a contact that is already on your Smartphone, that contact will not be copied.

- 4 Select **Copy**.

### ***Select all contacts in the list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**.
- 3 Access the contacts in your Smartphone or on your SIM card:
  - To access contacts on your Smartphone, select **Copy to SIM**.
  - To access contacts on your SIM card, select **Copy to Contacts** or **Manage SIM**.
- 4 Select **Menu** and then **Select**.
- 5 Select **All**.

### ***Select only new contacts***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**.
- 3 Access the contacts in your Smartphone or on your SIM card:
  - To access contacts on your Smartphone, select **Copy to SIM**.
  - To access contacts on your SIM card, select **Copy to Contacts** or **Manage SIM**.
- 4 Select **Menu** and then **Select**.
- 5 Select **New**.

### ***Select only certain contact types in a contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**.
- 3 Access the contacts in your Smartphone or on your SIM card:
  - To access contacts on your Smartphone, select **Copy to SIM**.
  - To access contacts on your SIM card, select **Copy to Contacts** or **Manage SIM**.
- 4 Scroll to the contact you want.
- 5 Scroll right to view all the contact types saved in that contact.
- 6 Select the contact types that you want.
- 7 Select **Done**.

***View all contact types for a contact without the opportunity to select***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**.
- 3 Access the contacts in your Smartphone or on your SIM card:
  - To access contacts on your Smartphone, select **Copy to SIM**.
  - To access contacts on your SIM card, select **Copy to Contacts** or **Manage SIM**.
- 4 Scroll to the contact you want to view details for.
- 5 Select **Menu** and then **Details**.
 

**Note:** You can not select contact types from this screen.
- 6 Select **Done**.

***Search for contacts***

**Note:** The search feature is only available when the list displays alphabetically.

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**.
- 3 Access the contacts in your Smartphone or on your SIM card:
  - To access contacts on your Smartphone, select **Copy To SIM**.
  - To access contacts on your SIM card, select **Copy To Contacts** or **Manage SIM**.
- 4 Enter the first letter of the name of the contact you want.

***Sort the contacts list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager**.
- 3 Access the contacts in your Smartphone or on your SIM card:
  - To access contacts on your Smartphone, select **Copy to SIM**.
  - To access contacts on your SIM card, select **Copy to Contacts** or **Manage SIM**.
- 4 To sort the list of contacts alphabetically, select **Menu**, then **Sort**, then **Alphabetical**. To sort the list of contacts so that new contacts appear at the top of the list, select **Menu**, then **Sort**, then **New entries first**.

***Edit a SIM contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager** and then **Manage SIM**.
- 3 Scroll to or select the contact you want to edit.
- 4 To view all contact types for the selected contact before editing, select **Detail** or select **Menu** and then **View Details**. To edit the selected contact after viewing its contact types, select **Edit**.
 

To edit the contact without viewing contact details, select **Menu** and then **Edit**.
- 5 Enter the changes you want.
- 6 Select **Done**.

### **Delete selected SIM contacts**

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager** and then **Manage SIM**.
- 3 Scroll to or select the contacts you want to delete.
- 4 Select **Menu** and then **Delete**.

**Note:** You can only delete entire contacts. If you select **Delete** when you have certain contact types selected for a given contact, you will delete the entire contact.

- 5 Select **Yes**.

### **Delete all SIM contacts**

- 1 On the **Home** screen, select **Start**.
- 2 Select **SIM Manager** and then **Manage SIM**.
- 3 Select **Menu** and then **Delete All**.
- 4 Select **Yes**.

## **Changes When Contacts Are Copied to Your SIM Card**

When you copy a contact from your Smartphone to your SIM card, the contact may display differently on the SIM than on your Smartphone.

The first and last name of a contact may be displayed in reverse order in SIM version of the contact. Some long names may be truncated when in the SIM version of the contact.

These contact types are omitted from the SIM version of the contact:

- Categories
- Web page
- Custom ring tone
- Job title
- Department
- Company
- Office address
- Home address
- Other address
- Notes
- Birthday
- Anniversary
- Spouse
- Children
- Assistant
- File As

If a contact contains only these contact types, the contact may not be copied to your SIM card at all.

# Voice Notes

You can use Voice Notes to work with short voice recordings. Voice notes are included in the All Notes list and are named consecutively (Recording 1, Recording 2, and so on).

## ***Create a voice note***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Voice Notes**.
- 3 Hold the Smartphone microphone near your mouth.
- 4 Press the **Record** key and speak your voice note.
- 5 Select **Stop** to stop recording a voice note. The voice note is recorded and appears in the All Notes list of Voice Notes.

## ***Playing a voice note***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Voice Notes**.
- 3 Scroll to the voice note to play.
- 4 Select **Menu** and then **Play**.

**Tip:** To stop playing a voice note before it is finished playing, select **Stop**.

## ***Rename a voice note***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Voice Notes**.
- 3 Scroll to the voice note to rename.
- 4 Select **Menu** and then **Rename**.
- 5 In **Name**, hold down  $\ominus$  to delete the current name and then enter a new name.
- 6 Select **Done**.

## ***Delete a voice note***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Voice Notes**.
- 3 Scroll to the voice note to delete.
- 4 Select **Menu** and then **Delete**.
- 5 Select **Yes**.

**Note:** If you delete a voice note that has a default name, such as Recording 1, this name becomes available for a new voice note that you create. For example, if you have 3 voice notes, named Recording 1, Recording 2, and Recording 3, and you delete Recording 1, the next voice note you create will be named Recording 1.

## ***Set a voice note as your ring tone***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Voice Notes**.
- 3 Scroll to the voice note you want to set as your ring tone.
- 4 Select **Menu** and then **Set as Ringtone**.
- 5 Select **OK**.

# Settings

This chapter describes how to customize the settings on your Smartphone and how to restore your Smartphone to its original settings.

## Viewing and Changing Settings

The Settings screen displays a list of settings that you can change to personalize the Smartphone for the way you work. For example, you can change the sounds your Smartphone makes and even use your own sounds for ring tones, notifications, and reminders. You can also change the image for the Home screen background, set up data connections for remotely accessing a data network, and more.

### *View the list of settings*

- On the **Home** screen, select **Start** and then **Settings**.

**Tip:** To view the remaining settings, select **More**.

### **Exiting Setting Screen**

After you modify a Settings option, you may have to select **Done** one or more times to exit the Setting screens. However, you only need to select **Done** once, as described in each of the instructions in this chapter, to apply the setting you have chosen.

To exit the Setting screens without applying the setting you have chosen, press .

## Display Properties

You can use Display Properties to change the Home screen layout, the color scheme, the internal and external wallpapers, and the time delay before the Home screen appears when the Smartphone is idle.

### *Change the Home screen layout*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Home screen layout**, select the option you want.
- 4 Select **Done**.

### *Choose a Home screen wallpaper for the internal display*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Wallpaper internal display**, select the option you want.
- 4 Select **Done**.

### *Choose a Home screen wallpaper for the external display*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Wallpaper external display**, select the option you want.
- 4 Select **Done**.



### ***Add your own wallpaper image***

- 1 Connect the Smartphone to your desktop computer.
- 2 On your desktop computer, copy the image file you want. The file format must be .gif, .jpg, or .bmp.
- 3 In ActiveSync on your desktop computer, click **Explore** and then double-click **My Smartphone**.
- 4 Double-click **Storage**, double-click **Application data**, double-click **Home**.
- 5 Paste the image file into the **Home** folder.

**Note:** Before you open ActiveSync to paste the image file, make sure that the Smartphone is connected to your desktop computer by a USB connection. For best results, use images with a 176 x 200 screen resolution to fit on the screen.

You can use this image for your Home screen.

### ***Change the color scheme for screens throughout your Smartphone***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Color scheme**, select the option you want.
- 4 Select **Done**.

### ***Change the font size for screens throughout your Smartphone***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **System font size**, select the option you want.
- 4 Select **Done**.

### ***Change the contrast on the internal display***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Contrast internal display**, scroll left or right to set the desired contrast.
- 4 Select **Done**.

### ***Change the contrast on the external display***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Contrast external display**, select the option you want.
- 4 Select **Done**.

### ***Change the text color on the external display***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Contrast external display**, scroll left or right to set the desired contrast.
- 4 Select **Done**.

### ***Specify the idle time before returning to the Home screen***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Display Properties**.
- 3 In **Return to Home screen**, select the option you want. This is the amount of time it takes your Smartphone to return to the Home screen after you make or receive a call, open or close the flip, or press keys or buttons.
- 4 Select **Done**.

## **Phone Calls**

You use Phone Calls to set options such as call forwarding, call waiting, and caller ID.

### ***Change the line for outgoing calls***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Line For Outgoing Calls**.
- 4 In **Current outgoing line**, select the option you want: line 1 or line 2.
- 5 Select **Done**.

### ***Block incoming or outgoing calls***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Barring**.
- 4 In **Block incoming calls** or **Block outgoing calls**, select the option you want: **Off**, **When Roaming**, or **All Calls**.
- 5 Select **Done**. You will now be able to receive or make calls according to the options that you selected.

### ***Forward calls***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Forwarding**.
- 4 Select the condition under which to forward calls as follows:
  - **Unconditional** to forward all calls
  - **No Reply** to forward calls when you do not answer
  - **Busy** to forward calls when your line is busy
  - **Unavailable** to forward calls when your Smartphone is off or out of service range
- 5 Select **Enable call forwarding**.
- 6 Enter the phone number to which calls are to be forwarded.
- 7 Select **Done**.

**Note:** This sets call forwarding for the current outgoing line. To set call forwarding for the other line, make that line the current outgoing line and then set call forwarding for that line. The setting for each line remains even if that line is no longer the outgoing line.

***Answer a call by pressing any key***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Options**.
- 4 Select **Any key answer**. This lets you answer incoming calls by pressing any key.
- 5 Select **Done**.

***Enter the phone numbers you call for voice mail messages***

**Note:** In most cases, your voice mail access number is sent to your phone automatically. Use this setting feature only if your phone did not receive this number. If you use this feature to enter a number other than your voice mail access number, the number you enter will be overwritten by the actual voice mail access number the next time you receive a voice mail.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Options**.
- 4 In **Voice mail number (L1)**, enter your voice mail number for line 1. The Smartphone dials this number when you press Speed Dial 1.
- 5 In **Voice mail number (L2)**, enter your voice mail number for line 2. The Smartphone dials this number when you press Speed Dial 2.

**Note:** Do not use this option when on the iDEN network. The iDEN network does not provide a voice mail access number for line 2.

- 6 Select **Done**.

***Change your text message service number***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Options**.
- 4 In **SMS service center**, enter the phone number.
- 5 Select **Done**.

***Specify your country code and area code***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Options**.
- 4 In **Country code**, enter your country code.
- 5 In **Area code**, enter your area code.
- 6 Select **Done**.

### ***Turn call waiting notifications on and off***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Call Waiting**.
- 4 Select or clear **Provide call waiting notifications**.
- 5 Select **Done**. If you selected **Provide call waiting notifications**, you will now be notified when you receive a call while you are already on a call.

### ***Configure caller ID***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Caller ID**.
- 4 In **Provide my caller ID to**, select the option you want: **Everyone**, **No one**, or **Only my contacts**.
- 5 Select **Done**. The selected callers will be able to see your name and phone number information when you call them.

### ***Configure channels***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Channels**.
- 4 Select the options you want.
- 5 Select **Done**.

### ***Limit calls to specific area codes or phone numbers***

**Note:** You will see this option only if you are on a GSM network.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Fixed Dialing** and then **Enable fixed dialing**.
- 4 Select **Menu** and then **Edit Numbers**.
- 5 Select **Menu** and then **Add**.
- 6 Enter the phone number or area code to which to restrict calling and select **Done**.
- 7 Repeat steps 4, 5, and 6 to add more numbers as necessary. You will be able to make and receive calls only to and from the numbers or area codes specified.

### ***Answer calls automatically***

**Note:** The Auto Answer setting affects the Car and Headset profiles. If you change the setting for Auto Answer under Settings, the same change will be made automatically under Profiles.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Auto Answer**.
- 4 In **Auto-answer in**, select the amount of time you want to elapse before your Smartphone automatically answers the call.

- 5 Select **Done**. All calls will be answered automatically once the selected interval has elapsed.

### ***Allow last number redial***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Auto redial**.
- 4 In **Auto Redial**, select **On**.
- 5 Select **Done**. Your Smartphone will automatically redial calls you make when the system is busy.

### ***Activate flip options***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Flip Activation**.
- 4 To set your Smartphone to answer calls by opening the flip, select **Open flip to answer call**.
- 5 To set your Smartphone to end calls by closing the flip, select **Close flip to end call**.
- 6 Select **Done**.

**Note:** If you are using your Smartphone with a headset, and you have the **Flip to End** option set to **On**, closing your flip sends incoming sound to the headset and does not end the call.

### ***Set headset options***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Headset/Speaker**.
- 4 Choose a headset setting:
  - Select **Headset only** to send incoming sound to the headset only.
  - Select **Headset & Speaker** to send incoming sound to the headset and ring tones to the speaker.

**Note:** If you are using your Smartphone with a headset, and you have the **Flip to End** option set to **On**, closing your flip sends incoming sound to the headset and does not end the call.

- 5 Select **Done**.

### ***Block Private calls, group calls, and data transfers***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Calls**.
- 3 Select **Phone Only**.
- 4 In **Phone only**, select **On**.
- 5 Select **Done**. Your Smartphone can not make or receive Private calls or group calls, or transfer data.

# PTT

You can set PTT settings to control how your Smartphone handles Private calls, and group calls.

## ***Mute Private calls and group calls***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **PTT Group Silent**.
- 4 In **PTT Group Silent**, select **On**.
- 5 Select **Done**. Your Smartphone will not alert you to Private calls or group calls.

## ***Define your group calling area***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **PTT Group Area**.
- 4 In **PTT Group Area**, select the option you want.
- 5 Select **Done**.

## ***Add a new group calling area***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **PTT Group Area**.
- 4 Select **Menu** and then **New Area**.
- 5 Enter a name for the area.
- 6 Enter a number for the area.
- 7 Select **Done**.

## ***Edit a group calling area***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **PTT Group Area**.
- 4 Select the area you want.
- 5 Select **Menu** and then **Edit**.
- 6 Make the necessary edits.
- 7 Select **Done**.

## ***Delete a group calling area***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **PTT Group Area**.
- 4 Select the area you want.
- 5 Select **Menu** and then **Delete**.
- 6 Select **OK**.

### ***Set the most recent call as your One Touch PTT number***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **One Touch PTT**.
- 4 Select **Use One Touch PTT**.
- 5 In **Place call to**, select **Last Call**.
- 6 Select **Done**.

### ***Set another number as your One Touch PTT number***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **One Touch PTT**.
- 4 Select **Use One Touch PTT**.
- 5 In **Place call to**, select **Assigned Number**.
- 6 Enter the number you want in the **Number** field:
  - Type the number you want into the field.
  - Browse to the number. Select **Menu** and then **Browse Contacts** or **Browse Recent Calls**, as required. Select the number you want.
- 7 Select **Done**.

### ***Turn off One Touch PTT***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **PTT**.
- 3 Select **One Touch PTT**.
- 4 Select **Use One Touch PTT**. This clears the checkbox and turns off One Touch PTT.

## **Vibrate All**

You can set your Smartphone to vibrate for all phone calls, Private calls, group calls, message notifications, and call alerts, even if you want your Smartphone to ring for other features, with the Vibrate All setting.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Vibrate All**.
- 3 Select **Use Vibrate All**.
- 4 Select **Done**.

# Notifications

You can use Notifications settings to control how your Smartphone notifies you of calls, call alerts, messages, Calendar reminders, and other events, such as pressing keys on the keypad.

**Note:** With the exception of ring tones, only .midi and .wav files can be set for notifications.

You can customize the sounds your Smartphone makes for many of these events.

## ***Change how your phone notifies you of all calls***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 In **Phone ring type**, select the option you want:
  - **Ring** — your Smartphone makes a sound until you respond to the call.
  - **Ring once** — your Smartphone makes a sound only once when you get a call.
  - **Increasing ring** — your Smartphone rings more loudly with each ring when you get a call.
  - **Vibrate** — your Smartphone vibrates and does not make a sound when you get a call.
  - **Vibrate then ring** — your Smartphone vibrates and then makes a sound when you get a call.
  - **Vibrate and ring** — your Smartphone vibrates and makes a sound at the same time when you get a call.
  - **Silent** — your Smartphone does not vibrate or make a sound when you get a call.
- 4 Select **Done**.

## ***Change how your Smartphone notifies you of Private calls and group calls***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 In **PTT**, scroll right or left to select **Ring**, **Vibrate**, or **Off**.
- 4 Select **Done**.

## ***Change how long your Smartphone notifies you of call alerts***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 In **Call alert timeout**, select the option you want. This is the amount of time your Smartphone continues to notify you after you have received a call alert and have not responded to it.
- 4 Select **Done**.

## ***Change the sound you hear when you press keys on the keypad***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 In **Keypad control**, select the option you want: **Tone**, **Click**, or **None**.
- 4 Select **Done**.



**Note:** Your Smartphone sends tones across the network, and they are audible to devices or people on the other end of the line, even if you choose **Click** or **None**.

### **Setting ring tones**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 Scroll to the item that you want to specify a ring tone for:
  - To specify the sound made when you receive calls on line 1 or line 2, select **Ring tone line 1** or **Ring tone line 2**.
  - To specify the sound made when you receive call alerts, select **Call alert**.
  - To specify the sound made when you receive reminders from the Calendar, select **Reminders**.
  - To specify the sound made when you receive each type of message, select **New e-mail**, **New text message**, **New voice message**, **New instant message**, or **New channel message**.
  - To specify the sound made by the alarm, select **Alarm clock**.
  - To specify the sound made when your Smartphone displays certain types of information, select **SIM toolkit messages**, **Exclamation**, **Question**, or **Warnings**.
- 4 Scroll right or left to select a sound. Select **None** if you do not want to hear a sound.
 

**Tip:** When you select a sound, the sound plays. To hear the sound again, select **Menu** and then **Play**.

### **Add your own sound**

- 1 Connect the Smartphone to your desktop computer using a USB connection.
- 2 On your desktop computer, copy the sound file you want. The file format must be .wav, .mid, or .wma.
- 3 In ActiveSync on your desktop computer, click **Explore** and then double-click **My Smartphone**.
- 4 Do one of the following:
  - To save the sound on your phone, double-click **Storage**, double-click **Application data**, double-click **Sounds**, and then paste the sound file into the Sounds folder.
  - To save the sound on your SD card, double-click **Storage Card**, double-click **My Documents**, and then paste the sound file into the **My Documents** folder.
- 5 Select **Done**.
 

**Tip:** You can now specify this sound for a ring tone, notification, or reminder on your Smartphone, as described in “Setting ring tones” on page 83. For ring tones, you can use sounds in either .wav, .mid, or .wma file format; you cannot use .mp3 files for ring tones. You can use sounds in the .wma file format as ring tones only; you cannot use .wma files for notifications or reminders.

### **Delete a sound**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 Select **Menu** and then **Delete Sounds**.
- 4 Select the sound you want to delete.
- 5 Select **Yes**.

**Note:** You can only delete sounds that you added. You cannot delete sounds included with the Smartphone.

### ***Turn the status light on or off***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Notifications**.
- 3 In **Status LED**, select the option you want.
- 4 Select **Done**.

## **Voice Volume**

The Voice Volume screen sets the volume coming out of your Smartphone's earpiece and speaker when you are in a call and at most other times.

These settings do not control the volume of the sounds your Smartphone makes to notify you of phone calls, data calls, or messages. The volume of those sounds is set in Profiles.

### ***Set the volume of sound from the earpiece and the speaker***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Voice Volume**.
- 3 In **Earpiece**, scroll to the volume you want for sound coming out your Smartphone's earpiece.
- 4 In **Speaker**, scroll to the volume you want for sound coming out your Smartphone's speaker.
- 5 Select **Done**.

## **Power Management**

You can use Power Management to control how long your Smartphone's backlight stays on. You can also check the battery level.

### ***Set time it takes for the backlight to turn off***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Power Management**.
- 3 In **Backlight timeout**, select the amount of time for the Smartphone before the backlight turns off, if you do not make or receive a call, open or close the flip, or press keys or buttons.
- 4 Select **Done**.

### ***View battery power level***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Power Management**.  
**Main battery** displays the amount of battery life remaining.
- 3 Select **Done**.

## Accessibility

You can use Accessibility settings to configure large digit dialing, multipress time out, confirmation time out, and TTY.

### *Change accessibility settings*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Accessibility**.
- 3 Select the options you want to change, as follows:
  - **Large Digit Dialing** to set your Smartphone to briefly display very large digits when you enter numbers at the Home screen.
  - **Multipress Timeout** to set the length of time between keypresses when entering text in Multipress mode.
  - **Confirmation Timeout** to set the delay before an unconfirmed action times out.
  - **TTY** to set TTY options. Please refer to “Enable TTY” for more information.
- 4 When you are finished making the changes you want, select **Done**.

### *Enable TTY*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Accessibility**.
- 3 Select **TTY**.
- 4 Select **Use TTY**.
- 5 Select the option you want for **Type**:
  - **TTY** — You type and read text on your TTY device.
  - **VCO** (Voice-Carry-Over) — You speak into your Smartphone and read text replies on your TTY device.
  - **HCO** (Hearing-Carry-Over) — You type text on your TTY device and listen to voice replies on your Smartphone speaker.
- 6 Select the option you want for **Baud**.
  - To make TTY calls within the U.S., set the baud rate to **45.45**.
  - To make calls outside the U.S., set the TTY baud rate to **50.0**.
- 7 Select **Done**.

## Regional Settings

You can use Regional Settings to change the language, date, and time style, as well as number and currency formatting options.

### *Configure regional settings*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Regional Settings**.
- 3 In **Language**, select the language to use when entering information.
- 4 In **Locale**, select your locale. This changes the remaining settings appropriately for your locale.
- 5 Configure other settings in the same manner:

- **Short date style** and **Long date style** show how dates appear on your Smartphone.
  - **Time Format** shows how times of day appear on your Smartphone.
  - **Positive number**, **Negative number**, **Positive currency**, and **Negative currency** show how numbers and currency appear on your Smartphone.
- 6 Select **Done**.
- Note:** After changing the language, you must turn your device off and on for the change to take effect.

## Date and Time

You can use Date and Time settings to change the local time zone, the current date and time, and to set the alarm.

### *Set the date and time*

- 1 On the **Home** screen, select **Start**
- 2 Select **Settings** and then **Date and Time**.
- 3 In **Time Zone**, select your time zone.
- 4 In **Date**, select the month, day, or year and edit the information.
- 5 In **Time**, select a number and edit it.
- 6 Select **Done**.

### *Set the alarm*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Date and Time**.
- 3 In **Alarm**, select **Off** or **On** to turn the alarm off or on.
- 4 In **Alarm time**, specify the time for the alarm to go off.
- 5 Select **Done**.

## Phone Networks

You can use settings in Phone Networks to view and configure networks and network-related values.

### *View current network*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **Current Network**.
- 4 Select **Done**.

### *Select iDEN/GSM options*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **iDEN/GSM Selection**.
- 4 In **iDEN/GSM selection**, select to the option you want.
- 5 Select **Done**.

### ***View current GSM band***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **GSM Band**.
- 4 Select **Done**.

### ***Select a GSM network***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **GSM Network Selection**.
- 4 In **Network selection**, select the option you want: **Manual** or **Automatic**.
- 5 If you selected **Manual**, select **Menu** and then **Select a Network**. Select the network and select **Done**. The Smartphone will use the selected network.
- 6 If you selected **Automatic**, select **Menu** and then **Preferred Networks**. Select the networks to use and select **Done**. The Smartphone will automatically use the preferred networks.
- 7 Select **Done**.

### ***Set network ID***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **Network ID**.
- 4 Select the Network ID you want.
- 5 Select the value you want. If you select **Enter Value**, then enter the value into the entry field.
- 6 Select **Done**.

## **Data Connections**

### **Baud Rate**

When you use your Smartphone as a modem, you can set its baud rate.

#### ***Set baud rate***

- 1 On the **Home** screen, select **Start**
- 2 Select **Settings** and then **Data Connections**.
- 3 In **Baud Rate**, select the baud rate you want.
- 4 Select **Done**.

### **Adding a URL Exception**

Some URLs for Web pages on your company intranet may use periods, for example: intranet.companyname.com. To view these pages in Pocket Internet Explorer, you must create a URL exception. Otherwise, the pages will not display.

**Note:** You do not need to create URL exceptions for Internet URLs.

### ***Add a URL exception***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Internet Connection**.
- 4 Select **Menu** and then **Work URL Exceptions**.
- 5 Select **Menu** and then **Add**.
- 6 In **URL Pattern**, enter the URL and select **Done**. Separate multiple URLs with a semicolon (;).

### ***Edit a URL exception***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Internet Connection**.
- 4 Select **Menu** and then **Work URL Exceptions**.
- 5 Select the URL to edit.
- 6 Select **Menu** and then **Edit**.
- 7 Edit the URL and select **Done**.

### ***Delete a URL exception***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Internet Connection**.
- 4 Select **Menu** and then **Work URL Exceptions**.
- 5 Scroll to the URL to delete.
- 6 Select **Menu** and then **Delete**.
- 7 Select **Yes**.

## **Data Connections for GSM**

If you are roaming on a GSM network, you may need to use these Data Connections settings. If you are on the iDEN digital network, you will not need to use these settings and many of them will not appear in your Smartphone as described here.

You can use Data Connections settings to create dial-up, Virtual Private Network (VPN), GPRS, and proxy connections so that you can connect to the Internet or your corporate network. By using a data connection, you can browse the Web, download email, chat by using MSN® Messenger, or synchronize remotely with an Exchange Server.

### **Working with Dial-up Connections**

You can create a dial-up connection to connect remotely to the Internet, a Wireless Application Protocol (WAP) network, or your corporate network. Then, when you open a program that is configured to use this connection, the Smartphone uses it to automatically connect to the network. For example, you can create an Internet connection and then configure Pocket Internet Explorer to use it. Then, when you start Internet Explorer and browse to a Web page on the Internet, the Smartphone automatically connects to the Internet by using your Internet connection.

**Create a dial-up connection**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **Dial-up Connections**.
- 6 Select **Menu** and then **Add**.
- 7 Enter the requested information as follows and then select **Done**:
  - In **Description**, enter a name for the connection.
  - In **Connects to**, select the network.
  - In **Phone number**, enter the phone number you use to dial the network.
  - In **User name**, enter your network user name.
  - In **Password**, enter your password.
  - In **Domain**, enter the domain name, if required.

**Note:** If you are not sure about the information to enter, ask your network administrator.

**Tip:** If you subscribe to General Packet Radio Services (GPRS), you can set up a GPRS connection to access your corporate network or the Internet, which is faster than a dial-up connection. See “Working with GPRS Connections” on page 92.

**Edit a dial-up connection**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **Dial-up Connections**.
- 6 Scroll to the connection to edit.
- 7 Select **Menu** and then **Edit**.
- 8 Change any information and select **Done**.

**Delete a dial-up connection**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **Dial-up Connections**.
- 6 Scroll to the connection to delete.
- 7 Select **Menu** and then **Delete**.
- 8 Select **Yes**.

**Working with VPN Connections**

If your company has set up a virtual private network (VPN), you can create a VPN connection to gain access to your corporate network over an Internet connection.

### ***Create a VPN connection***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **VPN Connections**.
- 6 Select **Menu** and then **Add**.
- 7 Enter the requested information as follows and then select **Done**:
  - In **Description**, enter a name for the connection.
  - In **VPN type**, select the type of VPN.
  - In **Server**, enter the VPN server name.
  - In **Connects from**, select the type of network from which you will connect to the VPN (typically **The Internet**).
  - In **Connects to**, select the type of network to which you will connect.
  - In **User name**, enter your user name for the VPN.
  - In **Password**, enter your password.
  - In **Domain**, enter the domain name, if required.
  - If you selected **IPSec** in **VPN type**, In **IPSec authentication**, select the type of authentication: **Pre-Shared Key** or **Certificate**.
  - If you selected **Pre-Shared Key** in **IPSec authentication**, in **IPSec Pre-shared key**, enter the key.

**Note:** If you are not sure about the information to enter, ask your network administrator.

### ***Edit a VPN connection***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **VPN Connections**.
- 6 Scroll to the connection to edit.
- 7 Change any information and select **Done**.

### ***Delete a VPN connection***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **VPN Connections**.
- 6 Scroll to the connection to delete.
- 7 Select **Menu** and then **Delete**.
- 8 Select **Yes**.



## Working with Proxy Connections

You can use a proxy connection to gain access to the Internet over an existing connection to your corporate network.

### *Create a proxy connection*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **Proxy Connections**.
- 6 Select **Menu** and then **Add**.
- 7 Enter the requested information as follows and then select **Done**:
  - In **Description**, enter a name for the connection.
  - In **Connects from**, select the type of network from which you will connect.
  - In **Connects to**, select the type of network to which you will connect.
  - In **Proxy (name:port)** enter the proxy server name and port number in the form: *server name:port number*.
  - In **Type**, select the type of proxy connection to create.
  - In **User name**, enter your user name for the network to which you will connect.
  - In **Password**, enter your password.

**Note:** If you are not sure about the information to enter, ask your network administrator.

### *Edit a proxy connection*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **Proxy Connections**.
- 6 Scroll to the connection to edit.
- 7 Select **Menu** and then **Edit**.
- 8 Change any information and select **Done**.

### *Delete a proxy connection*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Work Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **Proxy Connections**.
- 6 Scroll to the connection to delete.
- 7 Select **Menu** and then **Delete**.
- 8 Select **Yes**.

## Working with GPRS Connections

If you subscribe to General Packet Radio Services (GPRS), you can set up a GPRS connection to gain access to your corporate network or the Internet. This is faster than a dial-up connection.

You can also use your Smartphone as a GPRS modem for a desktop computer. To do so, “Create a GPRS connection” on page 92, “Connect to the Internet with a GPRS connection” on page 93, and “Create a new connection on your desktop computer” on page 93.

### **Create a GPRS connection**

**Note:** You are not required to enter a user name, password, primary DNS, secondary DNS, or IP address to create GPRS connection.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Internet Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **GPRS Connections**.
- 6 Select **Menu** and then **Add**.
- 7 Enter the requested information as follows and select **Done**:
  - In **Description**, enter a name for the connection.
  - In **Connects to**, select the type of network to which you will connect.
  - In **Access point**, enter the information provided by your service provider.

When you open a program that connects to the Internet, the Smartphone uses this connection.

**Note:** If you are not sure about the information to enter, ask your network administrator.

### **Edit a GPRS connection**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Internet Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **GPRS Connections**.
- 6 Scroll to the connection to edit.
- 7 Select **Menu** and then **Add**.
- 8 Change any information and select **Done**.

### **Delete a GPRS connection**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 Select **Internet Connection**.
- 4 Select **Menu** and then **Edit Connections**.
- 5 Select **GPRS Connections**.
- 6 Scroll to the connection to delete.

- 7 Select **Menu** and then **Add**.
- 8 Select **Yes**.
- 9 Select **Menu** and then **Delete**.
- 10 Select **Yes**.

### ***Connect to the Internet with a GPRS connection***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Data Connections**.
- 3 In **Internet Connection**, select the GPRS you want to use and select **Done**.

**Tip:** After you use the GPRS connection once, you may want to change your **Internet Connection** back to **Automatic**. Your phone will then automatically select the correct connection based on the network.

### ***Create a new connection on your desktop computer***

- 1 Follow the instructions on your desktop computer.
- 2 Ensure that the area code and prefix fields are disabled, and enter \*99# when prompted for a phone number.

## **Beam**

If you want to receive infrared beams from other devices, you must turn on the option to receive incoming beams.

### ***Receive incoming beams***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Beam**.
- 3 Select **Receive incoming beams**. The Smartphone receives all incoming beams from other devices until you clear this option.
- 4 Select **Done**.

## **Certificates**

On your Smartphone you can add and delete public key certificates. These certificates help establish your identity when you log on to a secure network, such as a corporate network. Certificates also help establish the identity of other computers, such as servers, with which you connect. This helps prevent unauthorized users from accessing your Smartphone and its information.

You can store 2 types of certificates on your phone: personal certificates that establish your identity, and root certificates that establish the identity of servers with which you connect. Your Smartphone may include a set of preinstalled certificates.

### ***View certificates***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Certificates**.
- 3 To view the list of personal certificates, select **Personal**.
- 4 To view the list of root certificates, select **Root**.
- 5 To view details about a certificate, select it in the list.

### **Delete certificates**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Certificates**.
- 3 To view the list of personal certificates, select **Personal**. To view the list of root certificates, select **Root**.
- 4 Scroll to the certificate you want to delete in the list, select **Menu**, and then select **Delete**.
- 5 Select **Yes**.

## **Flight Mode**

Sometimes you may want to have your Smartphone on, but turn off its ability to make and receive calls, such as when you are on an airplane. You can set your Smartphone so that it cannot make or receive phone calls, Private calls, or group calls; or transfer data.

### **Turn on or off calls and data transfers**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Flight Mode**.
- 3 To turn off calls and data transfers, select **Flight mode**. To exit Flight mode, clear **Flight mode**.
- 4 Select **Done**.

## **Profiles**

You can use Profiles settings to change how the Smartphone notifies you of events such as incoming calls, approaching appointments, or arriving messages.

The Smartphone includes 8 profiles. You can use the profiles as-is, or you can edit and rename them to suit your needs. For each profile, you can choose the ring type and volume, the alarm type and volume, the notification type and volume, and the system sound volume.

**Note:** The Ring Volume setting in profiles controls the volume level for the ring sound of line 1, line 2, messages, and data. For information about setting the volume level for the earpiece or speaker when you are in a call, see “Voice Volume” on page 84.

You can quickly select the profile suited to your current situation. For example, when you are attending a meeting, you can choose the Meeting profile, which silences the ring of your Smartphone and provides visual notifications only. When you are waiting for an important call, you can choose the Speakerphone profile, which makes your Smartphone ring loudly.

The following table describes the profiles that are included with the Smartphone. The default profile is the Normal profile.


Profile Name	Ring Type	Ring Volume	Alarm Type	Alarm Volume	Notification Type	Notification Volume	System Sound Volume
Normal	Ring	3	Increasing	3	Play sound	3	Depends on your service provider
Silent	Vibrate	Off	Vibrate	Off	Vibrate	Off	Off
Meeting	Vibrate	1	Play sound	1	Play sound	1	Off
Outdoor	Ring	Loud	Increasing	Loud	Play sound	Loud	Loud
Automatic	Toggles between Normal and Meeting, based on your calendar.						
Headset	Ring	3	Increasing	3	Play sound	3	3
Car	Ring	4	Increasing	4	Play sound	4	4
Speaker-phone	Ring	Loud	Increasing	Loud	Play sound	Loud	Loud

### ***View the list of profiles***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Profiles**.

### ***Change the current profile***

- 1 On the **Profiles** screen, scroll to a new profile and select **Done**.

**Tip:** You can also change your profile by using the Quick List. Press  and then select the profile.

### ***Edit a profile***

- 1 On the **Home** screen, scroll to the profile to edit.
- 2 Select **Menu** and then **Edit**.
- 3 Save changes or cancel:
  - Modify the settings and select **Done**.
  - To cancel without saving changes, select **Cancel**.

To revert to the default profile settings, select **Menu** and then **Reset to Default**.

# Security

Your subscriber identity module (SIM) card is locked by default, and you must enter a PIN to unlock it. Locking the SIM card prevents you and others from making phone calls until the correct PIN is entered. You can, however, still make emergency calls when the SIM card is locked. If you want, you can change the PIN number required to unlock the SIM card.

## ***Lock the SIM card***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Enable SIM PIN**.
- 4 Enter your PIN and select **Done**.

**Note:** To cancel without locking the SIM card, press @.

## ***Unlock the SIM card***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Disable SIM PIN**.
- 4 Enter your PIN and select **Done**.

## ***Change the SIM PIN number***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Change PIN**.
- 4 In **Old PIN**, enter the current PIN number.
- 5 In **New PIN**, enter the new PIN number.
- 6 In **Confirm new PIN**, enter the new PIN number again, and select **Done**.

**Important:** Be sure to make a note of your PIN. When the SIM lock is enabled, you must provide this PIN when you turn on your Smartphone to make calls.

## ***View keypad lock instructions***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Enable Keypad Lock**.
- 4 Select **Done**.

## ***Enable GPS Lock***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Enable GPS Lock**.
- 4 In **Old PIN**, enter your current GPS PIN.
- 5 In **New PIN**, enter a new GPS PIN.
- 6 In **Confirm new PIN**, re-enter your new GPS PIN.
- 7 Select **Done**.

### ***Remove all personal information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Security**.
- 3 Select **Remove all personal info**. This removes all information from Contacts, Calendar, Tasks, and Owner Information and deletes all email messages, text messages, and recent calls.
- 4 In **Enter SIM PIN**, enter your SIM PIN.
- 5 Select **Done**.

**Important:** Depending on your ActiveSync settings, using this option may result in all information in Contacts, Calendar, Tasks, and all Outlook email being deleted from your desktop computer and the server on which you are running Microsoft Exchange Server.

## **Reset Phone, Master Reset, and Change PIN2**

The Reset Phone, Master Reset, and Change PIN2 options should be used only under the direction of your service provider.

## **Owner Information**

You can use Owner Information settings to record personal information, such as your name, phone number, and email address.

### ***View owner information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Owner Information**.
- 3 Select **Done**.

### ***Fill in owner information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Owner Information**.
- 3 Enter the information you want in **Name**, **E-mail address**, and **Notes**. The other fields are filled in automatically.
- 4 Select **Done**.

## **Phone Information**

You can view information about your Smartphone, such as its operating system, service status, phone model, software version, and call timers. This information may be requested by your service provider.

### ***View operating system information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **About**.
- 4 Select **Done**.

***View call timers***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **Call Timers**.
- 4 Select **Done**.

***Reset call timers***

**Note:** Only certain call timers can be reset. These include: Total line 1 time, Total line 2 time, Total PTT time, Circuit data time, iDEN Kbytes Tx/Rx, and GPRS Kbytes Tx/Rx.

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **Call Timers**.
- 4 Scroll to the timer you want to reset.
- 5 Select **Reset**.
- 6 Select **Yes**.
- 7 Select **Done**.

***View service status information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **Service Status**.
- 4 Select **Done**.

***View unit information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **Unit Info**.
- 4 Select **Done**.

***View IMEI/SIM ID information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **IMEI/SIM ID**.
- 4 Select **Done**.

***View registration log information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Phone Information**.
- 3 Select **Registration Log**.
- 4 Select **Done**.



# Remove Programs

You can use Remove Programs to remove programs installed on the Smartphone, with the exception of core programs that came with the Smartphone, for example, Contacts, Calendar, and Internet Explorer.

## *Remove a program*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Remove Programs**.
- 3 Scroll to the program to remove.
- 4 Select **Menu** and then **Remove**.
- 5 Select **Done**.

# Messaging Features

**Note:** Some messaging services may not be offered by your service provider.

You can use your Smartphone to send and receive email, text messages, and instant messages. This chapter describes how to work with messages on your Smartphone. It discusses the following topics:

- Setting up your Smartphone for email and working with email accounts
- Composing, sending, and receiving email and text messages
- Viewing and managing your message folders
- Customizing message notifications
- Using MSN® Messenger for instant messaging

## Understanding Messaging Features

You can compose and view email messaging directly on your Smartphone. You can also use instant messaging with MSM Messenger. Configuring and using these features is described later in this chapter.

**Note:** Your Smartphone screen may show options for **Media Messaging** or **MMS**. If your service provider does not have media messaging (MMS) enabled, choosing these options will result in an error and no message will be sent.

## Email Messaging

There are 3 ways to send and receive email messages with the Smartphone:

- By synchronizing your Outlook E-mail Inbox folder with Microsoft® Outlook® on your desktop computer or your Microsoft® Exchange server.
- By connecting to a POP3 or IMAP4 email server to send and receive Internet email messages.
- Use Pocket Internet Explorer to view Web-based email.

## Text Messaging (SMS)

The advantages of text messages include the following:

- Text messages are sent instantly.
- Text messages can be sent or received at any time, except during a data call, Private call, or group call.
- Most mobile phones support text messages, so most recipients can read text messages that you send.

**Note:** You cannot synchronize text messages with your desktop computer, and you cannot use text messages to send or receive attachments or voice notes.

## Instant Messaging

You can use MSN® Messenger on the Smartphone to send and receive instant messages. MSN Messenger on the Smartphone provides the same chat environment as MSN Messenger on your desktop computer. For example, you can chat with a single MSN Messenger contact, or with several contacts at once. You can switch between active chats, block contacts, and configure display settings, such as your name and current status (Away, Online, and so on).

## Setting up Messaging

Your Smartphone is already set up for text messaging and voice mail messaging, if your phone service includes these features. You need take no additional steps to use them.

Setting up the Smartphone for instant messaging is described later, in “Sending and Receiving Instant Messages” on page 113. This section describes the steps required for setting up the Smartphone to send and receive email messages. You can use up to 8 different messaging accounts with the Smartphone.

## Setting up Outlook Synchronization

Your Smartphone includes an Outlook E-mail account. You can synchronize this account with Outlook on your desktop computer or Exchange Server. When you do this, messages in the Outlook E-mail Outbox on the Smartphone are sent, and messages you have received in Outlook are copied to the Outlook E-mail account folders on your Smartphone. Only those folders that are marked for synchronization on your Smartphone are synchronized in this manner. Setting up the Smartphone for synchronization is described in “ActiveSync” on page 145. Specifying which ActiveSync folders to synchronize is described in “Mark a folder for synchronization” on page 112.

**Note:** To synchronize remotely, you must also configure a data connection. See “Phone Networks” on page 86.

## Setting up Internet Email

Another way to send and receive email messages is by using Internet email. To do this, you must:

- Have an Internet email account.
- Configure a data connection on the Smartphone for connecting to the Internet. See “Phone Networks” on page 86.
- Set up an Internet email account in Messaging.

To set up an Internet email account, you need to know which type of email server hosts your mailbox: IMAP4 or POP3. You also need to know the name of your incoming and outgoing email servers. If you are not sure, ask your network administrator. In addition, you need to know your email user name and password, and if required, your domain name.

### *Set up Internet email*

- 1 On the **Home** screen, select **Start, Messaging**, and then select an account.
- 2 Select **Menu** and then **Options**.
- 3 Select **Account Setup, Menu**, and then **New**.
- 4 In **Your name**, enter your display name for email messages.

- 5 In **E-mail address**, enter the email address for this account.
- 6 Select **Attempt to obtain e-mail settings from the Internet** if you want to set up your account automatically. If your account could not be set up automatically or you want to set it up manually, continue with step 7.
- 7 In **User name**, enter your user name. This is usually the first part of your email address, which appears before the “at” sign (@).
- 8 In **Password**, enter your password.
- 9 In **Domain**, enter the domain name, if required.
- 10 To save your password, so that you do not need to enter it each time you connect to your email server, select **Save password**.
- 11 Select **Next**.
- 12 In **Server type**, select the type of email server that hosts your mailbox — POP3 or IMAP4 — and select **Next**.
- 13 In **Account name**, enter a name for this account. You must use a different name for each account that you set up.
- 14 In **Network**, select the type of network that your email server runs on and select **Next**.
- 15 Enter information about your email servers. If you are not sure what to enter, ask your network administrator.
- 16 Select the security options if necessary and select **Next**.
- 17 Select message download options and select **Next**.
- 18 Select a connection option, select **Next**, and then select **Finish**.

**Important:** If you save your password and then lose your Smartphone, someone finding your Smartphone might be able to gain access to your email.

## Working with Accounts

You can use up to 6 different messaging accounts with the Smartphone. Setting up accounts is described in “Setting up Messaging” on page 101. This section describes how to do the following:

- View the list of accounts
- Move between accounts so that you can send and receive messages, or change options for a particular account
- Change options for an account after it has been set up
- Delete an account that you no longer want to use

### ***View the list of accounts***

- On the **Home** screen, select **Start** and then **Messaging**.

The list of accounts displays with the number of unread messages in the Inbox of each account shown in parentheses.

**Tip:** You can open an account by selecting it in the list.

### ***Move quickly between accounts***

- If you have an account open, you can quickly switch to another account by scrolling right or left.
- Select **Menu** and then **Switch Accounts**.

### ***Change email account options***

- 1 On the **Home** screen, select **Start, Messaging**, and then select an account.
- 2 Select **Menu** and then **Options**.
- 3 Select the type of options to change.
- 4 Change the options and select **Done**.

### ***Delete an account***

- 1 On the **Home** screen, select **Start, Messaging**, and then select an account.
- 2 Select **Menu** and then **Options**.
- 3 Select **Account Setup**.
- 4 Scroll to the account to delete.
- 5 Select **Menu** and then **Delete**.


**Note:** You cannot delete your Media Messages account, although you cannot use it unless your service provider has enabled media messages.



## **Creating Messages**

**Note:** Your Smartphone screen may show options for **Media Messaging** or **MMS**. If your service provider does not have media messaging (MMS) enabled, choosing these options will result in an error and no message will be sent.

You can start creating a new email or text message from Messaging. You can also create a new email or text message from Contacts. After you create a message, you can send it. See “Sending and Receiving Messages” on page 106.

You can create messages in Messaging by switching to the account to use, opening a new message, addressing it, and then composing the message. For information about entering text on the Smartphone, see “The Basics” on page 18.

**Tip:** You can quickly enter email addresses or text message numbers from your contact cards. In **To**, press  and select a recipient from the list. Then, select the recipient’s email address or phone number.

To insert punctuation such as the “at” sign (@), a period (.), or a semicolon (;), repeatedly press  in Multipress mode until the punctuation appears or press and hold  to view a list of symbols that you can enter as text.

To cancel a message, select **Menu** and then **Cancel Compose**.

If you have included an email address or text message number in a contact card, you can create a new message from a contact card.

**Note:** You can only enter text message numbers in a text message, and email addresses in an email message.

### ***Create an email message in Messaging***



- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select one of your email accounts.
- 3 Select **New**.
- 4 Fill in the fields of the message as you would when creating an email message from this account on your desktop computer or PDA.
- 5 Select **Send**.

### ***Create a text message in Messaging***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select **Text Messages**.
- 3 Select **New**.
- 4 In **To**, enter recipient text message numbers. Insert a semicolon (;) between multiple addresses or numbers.
- 5 Enter the text of the message.
- 6 Select **Send**.

### ***Create a message from a contact card***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact.
- 4 Select the email address or text message number to use.
- 5 Select the account to use.
- 6 In **Subj**, enter a subject.
- 7 Enter a message.
- 8 Select **Send**. Email messages are stored in Outbox and sent to recipients the next time you synchronize or connect to your email server and send and receive mail.

**Tip:** To insert punctuation such as the “at” sign (@), a period (.), or a semicolon (;), repeatedly press  in Multipress mode until the punctuation appears or press and hold  to view a list of symbols that you can enter as text.

To cancel a message, select **Menu** and then **Cancel Compose**.

## **Inserting Predefined Text into Messages**

To save time entering text, you can insert predefined text into messages. You can edit the predefined text included with the Smartphone to create words or phrases that you frequently use in messages.

### ***Insert predefined text into a message***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account and then **New**.
- 3 In **Subj** or the message area, select **Menu** and then **Insert Text** for email and text messages.
- 4 Scroll to the text and select **Insert**.

**Tip:** You can quickly insert text by entering its associated number.

### ***Edit predefined text***

- 1 On the **Home** screen, select **Start, Messaging**, and then select an account.
- 2 Select **Menu** and then **Options**.
- 3 Select **Edit My Text**.
- 4 Scroll to the text to edit.
- 5 Edit the text and select **Done**.

## **Inserting Voice Recordings into Messages**

You can easily insert a voice recording into an email message. Inserting a voice recording is useful when you want to verbally explain information that is contained in the message.

### ***Insert a voice recording into a message***

- 1 In the message area of an email message, select **Menu** and then **Insert Recording**.
- 2 Select **Record** and start speaking into the Smartphone microphone.
- 3 When finished speaking, select **Stop**.
- 4 Select **Done**.

**Note:** You can send only 1 voice recording in an email message. If you create a second voice recording in an email message, it replaces the first recording.

## **Inserting Signatures into Messages**

For each email account and your text messaging account, you can specify a signature to be automatically inserted into messages that you send.

### ***Specify a signature to insert for email and text messages***

- 1 On the **Home** screen, select **Start**, and then **Messaging**.
- 2 Select an email account or select **Text Messages**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Signatures**.
- 5 Scroll right to switch to the account for which you want to specify a signature.
- 6 Select **Use signature with this account**.
- 7 To insert a signature in every message you send, select **Include when replying and forwarding**. Otherwise, a signature is inserted only in new messages.
- 8 Replace the text in the **Signature** box with a signature to insert, and select **Done**. The signature is inserted into messages that you send from this account.

### ***Turn off signature***

- 1 On the **Home** screen, select **Start, Messaging**, and then select an account.
- 2 Select **Menu** and then **Options**.
- 3 Select **Signatures**.
- 4 If necessary, scroll right or left to switch to the account for which you want to stop inserting a signature.
- 5 Clear the **Use signature with this account** check box and select **Done**. A signature is no longer inserted in messages that you send from this account.

## Saving a Draft of a Message

You can save a draft of a message that you are composing to finish and send later.

### *Save a draft of a message*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select **New**.
- 4 Enter information in the message.
- 5 Select **Menu** and then **Postpone Message**. A draft of the message is stored in the Drafts folder of the account.

### *Reopen and send a message draft*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select **Menu** and then **Folders**.
- 4 Select **Drafts** and then the draft to open.
- 5 Edit the message and select **Send**. Email messages are stored in Outbox and sent to recipients the next time you synchronize or connect to your email server and send and receive mail.

## Requesting a Delivery Receipt

You can request a delivery receipt for a text message. When you do this, you receive a confirmation that your message was delivered to the recipient.

### *Request a delivery receipt for a text message*

- 1 Before sending a text message, select **Menu**, and then **Message Options**.
- 2 Select **Request message delivery notification**.
- 3 Select **Done**. When your message is delivered, you receive a receipt on the Smartphone.

## Sending and Receiving Messages

The Smartphone immediately sends text messages when you select **Send** on the New Message screen. When you receive a message, the new message icon appears at the top of the screen. The Smartphone automatically receives text messages whenever it is turned on. If you receive a text message during a call or data session, your phone notifies you after the call or data session has ended. If your phone is powered off when you receive a text message, your phone notifies you the next time you power it on. If you are out of your coverage area, your phone alerts you when you return to your coverage area.



## Sending and Receiving Email Messages

You can send and receive email messages:

- By connecting to your desktop computer or Exchange Server and synchronizing the Outlook E-mail Inbox folder on your Smartphone with Outlook. See “ActiveSync” on page 145.
- By using the Send/Receive menu command from an Internet email account, as described next.

### *Send and receive Internet email messages*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select the Internet email account for which you want to send and receive messages.
- 3 Select **Menu** and then **Send/Receive**. The Smartphone connects to your Internet email server and sends and receives your messages.

**Tip:** To stop this process, select **Menu** and then **Stop Send/Receive**.

**Note:** Before you can send and receive email messages, the Smartphone must be properly configured, as described earlier in “Set up Internet email” on page 101.

You must take additional steps to receive large messages and attachments. See “Working with Large Messages and Attachments” on page 110.

## Importing Text Messages

In addition to receiving text messages wirelessly, you can import them from your Subscriber Identity Module (SIM) card.

### *Import text messages from the SIM card*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select **Text Messages**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Import SIM Messages**.
- 5 Select **Done**. The text messages are copied from the SIM card to the Inbox of the Text Messages account.

**Note:** You cannot export text messages from your Smartphone to a SIM card.

**Note:** Text messages are not removed from the SIM card after they are imported to the Inbox of the Text Messages account.

## Viewing and Responding to Messages

When you receive an email message, the Smartphone plays a sound and displays an envelope icon at the top of the screen. By default, the Home screen also displays the number of unopened email and text messages. To quickly view new messages, select the message notification area on the Home screen.

## Working with the Message List

Received messages are stored in the Inbox folder of the appropriate account. They are displayed in the Inbox message list.

### *View the Inbox message list*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account. The Inbox message list displays your received messages.

By default, messages are displayed in the order received. You can change the order in which messages are displayed and show the date and time that messages were sent.

### *Change message list display options*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select **Menu** and then **Options**.
- 4 Select **Display**.
- 5 Change the display options and select **Done**.

As shown in the following example, messages that you have read are displayed in normal type with an open envelope icon. Messages that you have not read are displayed in bold type with a closed-envelope icon. You can change the status of a message by marking it as Read or Unread.

### *Mark a message as Read or Unread*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Scroll to the message to mark.
- 4 Select **Menu**.
- 5 Select **Mark as Read** or **Mark as Unread**. The message display is changed to reflect its new status: normal text for read messages and bold text for unread messages. When you synchronize or send and receive email, the message is displayed as Read or Unread in all locations.

## Working with Messages

You can open messages by selecting them in the message list. Using Messaging menu commands, you can quickly reply to, forward, and delete messages.

### *Open a message*

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select the message to open.
- 4 To return to the message list, press  $\text{\textcircled{v}}$ .

**Tip:** To open the next message in the list from within an open message, scroll right; to open the previous message in the list, scroll left.

To create a contact card for the sender, select **Menu** and then **Save to Contacts**.

### ***Specify the language for reading a message***

- 1 From an open message, select **Menu** and then **Options**.
- 2 In **E-mail message language**, scroll to the language.
- 3 Select **Done**. The message is displayed using the appropriate characters for the selected language.

### ***Reply to a message***

- 1 From an open message, select **Menu** and then **Reply**.
- 2 Select **Reply** or **Reply All**.
- 3 Enter a message in the message area.
- 4 Select **Send**. The message is stored in Outbox and sent to recipients the next time you synchronize or connect to your email server.

### ***Forward a message***

- 1 From an open message, select **Menu**, **Reply**, and then **Forward**.
- 2 In **To**, enter recipient email addresses, phone numbers. Insert a semicolon (;) between multiple addresses or numbers.
- 3 Optionally, you can enter an introductory message by scrolling to the message area, pressing **Ⓜ** to insert a blank line, and entering your text.
- 4 Select **Send**. Email messages are stored in Outbox and sent to recipients the next time you synchronize or connect to your email server and send and receive mail.

### ***Delete a message***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Scroll to the message to delete.
- 4 Select **Menu** and then **Delete**. For the Outlook E-mail account, the message is also deleted from Outlook on your desktop computer or Exchange Server the next time you synchronize.

### ***Delete all text messages***

- 1 On the **Home** screen, select **Start**, **Messaging**, and then the appropriate account.
- 2 Select **Menu** and then **Folders**.
- 3 Select **Menu** and then **Show All Folders**.
- 4 Scroll to the folder with the text messages you want to delete.
- 5 Select **Menu** and then **Clear Text Messages**.

**Note:** If the folder you select has a subfolder, messages within the subfolder will not be deleted. Repeat these steps for each subfolder.

## Working with Large Messages and Attachments

When you receive large email messages and attachments, the Smartphone downloads only a portion of them. You can view the partial message or attachment and decide if you want to download the rest of it.




When you synchronize your Outlook E-mail account with your desktop computer or Exchange Server, the Smartphone downloads the first 0.5 KB of each new email message by default. When you connect to an Internet email server, it downloads the amount (in KB) of each new message that you specified when you set up the account. The message size includes its attachments. The original messages and attachments remain on the server or your desktop computer.

**Note:** For information about changing Outlook email synchronization settings, see “ActiveSync” on page 145. For information about changing Internet email settings, see “Setting up Internet Email” on page 101.

In the message list, messages with an attachment display an envelope icon with a paperclip. Within a message, attachments are displayed as a list of hyperlinks at the bottom of the message, and are preceded by an attachment icon. The hyperlink includes the file name and size of the attachment.

**Note:** On messages received from a POP3 email server, the attachment size is omitted.

The attachment icon has the following 3 states:

- Not downloaded 
- Marked for download 
- Downloaded 

### ***Download a complete email message***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Scroll to the message to download.
- 4 Select **Menu** and then **Mark for Download**. The complete message is retrieved the next time you synchronize or connect to your email server and send and receive email.

### ***Download an attachment***

- In an open message with an attachment to download, select the attachment. The attachment is downloaded the next time you synchronize or connect to your email server and send and receive email.

**Note:** If there are multiple attachments in the message, all attachments are downloaded.

### ***View an attachment***

- In an open message containing a downloaded attachment, select the attachment.  
**Note:** You can view attachments only for file types that are supported by the Smartphone.

### **Delete an attachment**

- 1 In an open message containing a downloaded attachment, scroll to the attachment.
- 2 Select **Menu** and then **Delete**. This deletes attachments on the Smartphone only.

**Important:** This deletes all of the attachments to this message, not only the selected attachment.

## **Accepting Meeting Requests**

You can receive and respond to Outlook meeting requests on your Smartphone in a similar manner as you do in Outlook on your desktop computer.

### **Respond to a meeting request**

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select the meeting request and then respond to it as follows:
  - To accept the meeting request and insert the meeting into your calendar, select **Menu** and then **Accept**.
  - To decline the meeting request, select **Menu** and then **Decline**.
  - To tentatively accept the meeting request and insert a tentative meeting into your calendar, select **Menu** and then **Tentative**.

Your response is sent back to the meeting organizer the next time that you synchronize.

**Note:** For more information about synchronizing, see “ActiveSync” on page 145.

## **Working with Message Folders**

Each messaging account has a set of folders in which the Smartphone stores messages for that account. The default folders are:

- **Deleted Items.** Contains messages that you delete until you empty this folder.
- **Drafts.** Contains messages that you save before sending.
- **Inbox.** Contains messages that you receive.
- **Outbox.** For the Outlook E-mail account, contains sent email messages until you synchronize. For other email accounts, contains sent email messages until you connect to your email server. Text messages are sent immediately over the network and appear in your Text Messages Outbox folder only for a few seconds.
- **Sent Items.** Contains copies of messages that you send.

If you want, you can move a message to a different folder within the same account.

When you synchronize or send and receive email, the Smartphone synchronizes any additional email folders that you have created in Outlook on your desktop computer or on your email server. It also synchronizes the messages contained in those folders, if the folders are marked for synchronization.

### ***View message folder contents***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select **Menu** and then **Folders**.
- 4 Select the folder to view. To view all Outlook E-mail folders, even those not marked to synchronize, select **Menu** and then **Show All Folders**.
- 5 To return to the message list view of the Inbox folder, select **Menu, Folders**, and then **Inbox**.

### ***Mark a folder for synchronization***

- 1 Synchronize your Outlook E-mail account with your desktop computer. This creates the same Inbox folders on your Smartphone as in Outlook on your desktop computer.
- 2 On the **Home** screen, select **Start** and then **Messaging**.
- 3 Select **Outlook E-Mail, Menu**, and then select **Folders**.
- 4 Select **Menu** and then **Sync Folders**.
- 5 Scroll to a folder to synchronize.
- 6 Select **Show** and then **Done**. The next time you synchronize, the folder(s) that you marked on your Smartphone are synchronized with the corresponding folders in Outlook on your desktop computer.

### ***Move a message to a different folder***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Scroll to the message to move.
- 4 Select **Menu** and then **Move**.
- 5 Select the folder into which to move the message.

**Tip:** You can move an open message in the same manner, by selecting **Menu** and then **Move**.

### ***Empty the Deleted Items folder***

- 1 On the **Home** screen, select **Start** and then **Messaging**.
- 2 Select an account.
- 3 Select **Menu, Folders** and then **Deleted Items**.
- 4 Select **Menu** and then **Empty Folder**.

## **Configuring Message Notifications**

Your Smartphone makes a sound to alert you when new messages arrive. You can change the sound that is played when you receive a message. For more information, see “Setting ring tones” on page 83.

**Tip:** When you receive a new voice mail message, the new voice mail icon appears at the top of the display. You can call your voice mail service number and listen to new voice mail messages by selecting the voice mail message area on the Home screen.

### ***Modify a sound alert for notifications***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Sounds**.
- 3 Scroll to the notification to modify.
- 4 Scroll left or right to select a new sound.
- 5 Select **Done**.

## **Sending and Receiving Instant Messages**

You can use MSN Messenger on your Smartphone to send and receive instant messages. MSN Messenger on your Smartphone provides the same chat environment as MSN Messenger on your desktop computer. Features of this environment include:

- Sending and receiving instant messages.
- Seeing the status of others in your MSN Messenger contacts list, or changing your own status (for example, available, busy, or out to lunch).
- Inviting other people to a chat.
- Blocking contacts from seeing your status or sending you messages.

### **Setting up MSN Messenger**

Before you can use MSN Messenger, you must take steps to set it up. First, you need either a Microsoft .NET Passport account or a Hotmail account. To set up a Microsoft .NET Passport account, go to: <http://www.passport.com>. Once you have this account, you need to do the following:

Create a connection on your Smartphone, such as a modem or wireless connection that allows you to connect to the Internet. For more information about creating connections, see “Phone Networks” on page 86.

### **Using MSN Messenger**

**Note:** This service may not be offered by your service provider.

You can sign in to MSN Messenger using your Hotmail credentials or your .NET Passport. Once you sign in, you can create contacts and exchange instant messages with them. This is called “chatting.” Contacts must have a Hotmail or .NET Passport account and must have MSN Messenger installed.

#### ***Sign in to MSN Messenger***

- 1 On the **Home** screen, select **Start**.
- 2 Select **MSN Messenger**.
- 3 Select **Sign In**.
- 4 In **Sign-in Name**, enter the sign-in name that you use for Hotmail or your .NET Passport (Example: name\_123@hotmail.com).
- 5 In **Password**, enter your Hotmail or .NET Passport password.
- 6 Select **Remember my password** if you don’t want to enter your password again in the future.
- 7 Select **Sign In**.

**Note:** When you sign in, MSN Messenger retains your sign-in name, and your password if you opted to save it, so that you do not need to enter this information again the next time.

### ***Sign out of MSN Messenger***

- Select **Menu** and then **Sign out**.

**Important:** Signing out closes your data connection. Be sure to sign out when you are finished using MSN Messenger or your connection will remain open. This might result in additional charges.

### ***Add an MSN Messenger contact***

- 1 In the MSN Messenger contacts list, select **Menu** and then **Add Contact**.
- 2 Add the Hotmail or .NET Passport sign-in name of a person with whom you want to chat. Their sign-in name is added to the contact list.

### ***Delete an MSN Messenger contact***

- 1 In the MSN Messenger contact list, select the contact.
- 2 Select **Menu** and then **Delete Contact**.

### ***Send an instant message***

- 1 Sign in to MSN Messenger.
- 2 Scroll to the contact with whom you want to chat.
- 3 Select **Menu** and then **Send Message**.
- 4 Enter your message and select **Send**. This starts a chat with the contact.

**Tip:** To quickly add common messages, select **Menu**, select **My Text**, and then select the text to use. To edit this text, select **Menu**, select **Options**, and then select **Edit My Text**. Select the text, make any edits, and then select **Done**.

For information about text input, see “The Basics” on page 18.

### ***Reply to an instant message***

- 1 Select **Menu** and then **Chats**.
- 2 Select the name of the person sending the instant message. The message displays, along with a box for your reply.
- 3 Enter your reply and select **Send**.

**Tip:** By default, your Smartphone plays a sound when you receive an instant message. For instructions on changing the sound, see “Setting ring tones” on page 83.

If you want to be able to receive instant messages at any time your Smartphone is connected to a network, select **Menu** and then **Options**. Select **Passport Account**, select **Run this program when connection is available**, and then select **Done**.



### ***Invite a contact to an ongoing chat***

- From a chat, select **Menu**, select **Invite**, and then select a contact. The contact receives an instant message and can join the chat.

### ***Change between chats***

- 1 Select **Menu** and then **Chats**.
- 2 In the list of ongoing chats, select the name of a contact with whom to chat.

### ***Return to the contacts list***

- From a chat, select **Menu** and then **My Contacts**.

### ***End a chat***

- Select **Menu** and then **End Chat**.

### ***See who is already chatting***

- Select **Menu** and then **Chats**.

### ***Block or unblock an MSN Messenger contact***

- 1 In the MSN Messenger contact list, select the contact's name.
- 2 Select **Menu** and then **Block**. The contact will no longer be able to see your status or send you messages.
- 3 To unblock the contact, select **Menu** and then **Unblock**.

### ***Change your status***

- 1 In the MSN Messenger contact list, select your name.
- 2 Select a status description, such as **Away**. This status is displayed next to your name in your contact list.

### ***Change your display name***

- 1 In the MSN Messenger contact list, select **Menu**.
- 2 Select **Options** and then **Passport Account**.
- 3 In **My display name**, enter your name as you want it to display in your contact list.

# Camera and Camcorder

The camera and camcorder in your Smartphone take pictures and record video clips. You can save these pictures and video clips in your Smartphone and view them through Media Theater. For more information about playing media, see “Media Theater” on page 123. You can also send pictures and clips you take via email messages and infrared.

**Note:** Your Smartphone screen may show options for **Media Messaging** or **MMS**. If your service provider does not have media messaging (MMS) enabled, choosing these options will result in an error and no message will be sent.

If you receive a call while you are recording a video clip, the recording will stop.

## *Open camera and camcorder*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.

The camera and camcorder opens in preview mode. It may be ready to record video clips or take pictures, depending on how you last used it.

## *Choosing pictures or video clips*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **Menu**.
- 4 Choose to view or capture video clips or pictures:
  - To view stored pictures, select **View Media** and then **View Pictures**.
  - To capture a picture, select **Capture** and then **Capture Picture**.
  - To view stored video clips, select **View Media** and then **View Videos**.
  - To capture a video clips, select **Capture** and then **Capture Video**.

# Pictures

Your Smartphone takes .jpeg pictures. The pictures are automatically saved as they are taken. To take pictures, you must place the camera and camcorder in capture picture mode, if it is not already in capture picture mode.

## *Take a picture*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **Menu**.
- 4 Select **Capture** and then **Capture Picture**.
- 5 Using the Smartphone’s internal display as a viewfinder, aim the camera lens at what you want to take a picture of.
- 6 Select **Take Picture**.

### ***Take another picture***

- 1 Select **New Picture**.
- 2 Using the Smartphone's internal display as a viewfinder, aim the camera lens at what you want to take a picture of.
- 3 Select **Take Picture**.

## **After Taking a Picture**

After you take a picture, while **New Picture** is displayed as the left soft Key option, you may select **Menu** and then select any of the following options:

<b>To</b>	<b>Select this menu command</b>
Delete the last picture taken.	<b>Delete</b>
View the last picture taken.	<b>View picture</b>
Go back to the camera to take a new photo.	<b>New picture</b>
Access the Send option to send last picture taken to a recipient. For more information about sending clips, see "Sending Captured Pictures and Video Clips" on page 121.	<b>Send</b>
Rename the last picture taken.	<b>Rename clip</b>
View the camera and camcorder software version and copyright information.	<b>About</b>

## **Managing Stored Pictures**

You can manage your snapshots with the image viewer, which is in Media Theater. For more information about the viewing images in the image viewer, see "Sending Video Pictures and Clips" on page 129.

To open the image viewer from the camera and camcorder:

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **Menu** and then **View Media**.
- 4 Select **View Pictures**.

## **Changing Picture Settings**

You can control many of the settings for the pictures you record.

### ***Accessing the pictures settings menu***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 If the camera and camcorder did not open in capture picture mode, place it in capture picture mode now.
- 4 Select **Menu** and the select **Settings**.
- 5 Scroll to access the settings you want. The options are described in "Picture Settings Options".
- 6 When you are finish setting the options, select **Done**.

## Picture Settings Options

To	Select this menu command
Set the location to which pictures are stored. If you have purchased an SD card and have it inserted in your Smartphone, you can choose to store pictures there. Otherwise, pictures are stored to your Smartphone's memory.	<b>Save location</b>
Set the image quality of the pictures by choosing the type of JPEG files it is saved as. From lowest quality to highest, the options are: Basis, Normal, Fine, and Best. Higher quality JPEG files require more memory space.	<b>JPEG quality</b>
Set the image size, in pixels.	<b>JPEG size</b>
Select the default file name base for pictures.	<b>Name base</b>
Adjust the contrast level of the image. A higher number means higher contrast.	<b>Contrast</b>
Adjust the brightness level of the lighting. A higher number means more light.	<b>Brightness</b>
Select the sound that is heard when a picture is taken starts.	<b>Shutter noise</b>
Turn on or off the camera flash.	<b>Flash light</b>

## Video Clips

Your Smartphone records video clips in .3gp. While recording video clips is not restricted by a time limit, you are limited to the maximum file size of 95KB. The recording progress bar will turn red during the final 2 seconds before your file reaches 95KB. Video clips are automatically saved as they are recorded.

To record video clips, you must place the camera and camcorder in video mode by choosing to capture video clips.

### **Record video**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **Menu**.
- 4 Select **Capture** and then **Capture Video**.
- 5 Using the Smartphone's internal display as a viewfinder, aim the camera lens at what you want to record.
- 6 Select **Record**.

### ***Pause or resume recording***

- To pause recording, select **Pause** or press **OK**.
- To resume recording, select **Resume** or press **OK**.

### ***Stop recording***

- To stop recording and exit the camera and camcorder in one step, select **0**.
  - To stop recording, select **Stop**.
- Note:** You must record at least 1 second of video before you stop recording.

### ***Record another video clip right after completing one***

- Select **Menu** and then **New Clip**.

## **After Recording a Video Clip**

After you record a video clip, you may select **Menu** and then select any of the following options:

<b>To</b>	<b>Select this menu command</b>
Record another clip.	<b>New clip</b>
Play the last recorded clip.	<b>Play clip</b>
Delete the last recorded clip.	<b>Delete</b>
Access the Send option to send the clip to a recipient. For more information about sending clips, see "Sending Captured Pictures and Video Clips" on page 121.	<b>Send</b>
Rename the last recorded clip.	<b>Rename clip</b>
Access Settings. For more information about changing camcorder settings, see "Changing Video Clip Settings" on page 120.	<b>Settings</b>
View the camera and camcorder software version and copyright information.	<b>About</b>
Close the camera and camcorder.	<b>Exit</b>

## **Managing Stored Video Clips**

### ***Rename a video clip***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **View Media** and then **View Videos**.
- 4 Scroll to the clip you want.
- 5 Select **Menu**.
- 6 Select **File** and then **Rename**.
- 7 In **File Name**, enter the name you want.
- 8 Select **Rename**.

### **Delete a video clip**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **View Media** and then **View Videos**.
- 4 Scroll to the clip you want.
- 5 Select **Menu**.
- 6 Select **File** and then **Delete**.
- 7 Select **Yes**.

### **View clip details**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **View Media** and then **View Videos**.
- 4 Scroll to the clip you want.
- 5 Select **Menu**.
- 6 Select **File** and then **Properties**.
- 7 Select **Done**.

## **Changing Video Clip Settings**

You can control many of the settings for the video clips you record.

### **Accessing the video clip settings menu**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 If the camera and camcorder did not open in capture video mode, place it in capture video mode now.
- 4 Select **Menu** and then select **Settings**.
- 5 Scroll to access the settings you want. The options are described in “Video Clip Settings Options”.
- 6 When you are finish setting the options, select **Done**.

### **Video Clip Settings Options**

<b>To</b>	<b>Select this menu command</b>
Set the location to which clips are stored. If you have purchased an SD card and have it inserted in your Smartphone, you can choose to store clips there. Otherwise, clips are stored to your Smartphone’s memory.	<b>Save location</b>
Set the video quality. From lowest quality to highest, the options are Normal, Good, and High. Higher quality video files require more memory space.	<b>Video quality</b>
Turn audio recording on or off.	<b>Record sound</b>
Set the maximum clip size.	<b>Clip size</b>

To	Select this menu command
Select the default file name for video clips.	<b>Name base</b>
Specify the title of the clip.	<b>Title</b>
Specify who created the clip.	<b>Author</b>
Specify the description of the clip.	<b>Description</b>
Specify the copyright information for the clip.	<b>Copyright</b>
Specify the rating of the clip.	<b>Rating</b>
Adjust the contrast level of the image. A higher number means higher contrast.	<b>Contrast</b>
Adjust the brightness level of the lighting. A higher number means more light.	<b>Brightness</b>
Select the sound that is heard when recording starts.	<b>Shutter noise</b>
Turn on or off the camera flash.	<b>Flash light</b>

## Sending Captured Pictures and Video Clips

You can send pictures and video clips you captured in email messages or with infrared. You can access the Send menu either in preview mode or after recording.

### ***Access the Send menu***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Camera&Camcorder**.
- 3 Select **Menu** and then **View Media**.
- 4 Select **View Pictures** or **View Videos**, as required.
- 5 Scroll to the item you want.
- 6 Select **Menu** and then **Send**.

### ***Access the Send menu after recording***

Select **Menu** and then **Send**.

### ***Send in an email message***

- 1 From the **Send** menu, select **Send via E-mail**. If **Send via E-mail** is not one of your options, select **Via E-mail**.
- 2 Select **Outlook E-mail**.  
The email message opens with the item attached.
- 3 Compose your email message. For information about creating email messages, see "Creating Messages" on page 103.
- 4 Select **Send**.

### ***Send via infrared***

- 1 From the **Send** menu, select **Send via Infrared**. If **Send via Infrared** is not one of your options, select **Via Infrared**.
- 2 Select the device you want to send the item to.
- 3 Select **Beam**.

## **Closing the Camera and Camcorder**

After 5 minutes of being idle, the camera and camcorder will automatically close.

To exit the camera and camcorder, press 0.



# Media Theater

Your Smartphone features Media Theater, which lets you view pictures and playback video clips, as well as send pictures and video clips in email messages, or with infrared. If you receive a call while you are viewing a picture or video clip, Media Theater will pause. You can resume viewing during the call. Viewing will pause again when the call disconnects.

Media Theater can display files in the following formats: .jpeg, .gif, .png, .wmp, .mp4, and .3gp.

**Note:** Your Smartphone screen may show options for **Media Messaging** or **MMS**. If your service provider does not have media messaging (MMS) enabled, choosing these options will result in an error and no message will be sent.

## *Open Media Theater*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.

When the Media Theater opens, it may be ready to play pictures or video clips, depending on how you last used the media theater or camera and camcorder.

## *Choosing pictures or video clips*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select **Menu** and then select **View Media**.
- 4 Choose to view pictures or video clips:
  - To view pictures, select **View Pictures**.
  - To view video clips, select **View Videos**.

# Pictures

## *View a picture*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 If you do not see the list of pictures, select **Menu**, select **View Media**, and then select **View Pictures**.
- 4 Scroll to the picture you want.
- 5 Select **Select**.

## Working with Views

You can view pictures in either portrait or full screen mode. The default is portrait.

### *Change view to full screen mode*

To select full screen mode while viewing a picture:

- Press any number key.
- Select **Menu** and then **View**. Select **Full Screen**.

### ***Return a picture to portrait mode***

- Press any number key.

### ***Return to thumbnail view***

- Select **Menu** and then **Thumbnails**.
- Select **Back**.

## **Manipulating Pictures (Portrait Mode Only)**

In portrait mode, you can:

- Flip a picture
  - Rotate a picture
  - Zoom in or out of a picture
  - Pan left or right across a picture
- Note:** You cannot rotate or flip pictures in full screen mode.

### **Picture Controls**

The following table outlines how you can manipulate pictures using your Smartphone's keypad.

<b>To</b>	<b>Do This in Portrait Mode</b>	<b>Do This in Full Screen Mode</b>
<b>Toggle zoom and pan</b>	Press <b>⊙</b> .	Unavailable.
<b>Toggle full screen/portrait display</b>	Press any number key.	Press any number key.
<b>Zoom in/pan in</b>	Scroll up.	Unavailable.
<b>Zoom out/pan out</b>	Scroll down.	Unavailable.
<b>Pan left</b>	Scroll right.	Unavailable.
<b>Pan Right</b>	Scroll left.	Unavailable.
<b>End</b>	Press <b>⊘</b> .	Press <b>⊘</b> .

### ***Rotate a picture***

**Note:** You can only rotate pictures in portrait mode. Pictures rotate in intervals of 90 degrees.

- 1 Select **Menu**.
- 2 Select **View**.
- 3 To rotate the picture left, select **Rotate Left**. To rotate the picture right, select **Rotate Right**.

### ***Flip a picture***

**Note:** You can only rotate pictures in portrait mode.

- 1 Select **Menu**.
- 2 Select **View**.
- 3 To flip the picture vertically, select **Flip Vertically**. To flip the picture horizontally, select **Flip Horizontally**.

## About Zoom and Pan

Zoom and Pan are only available in portrait mode. Pan is available once you have zoomed in to the degree that the picture becomes larger than its actual size. While Pan is available, Zoom is unavailable. In Pan mode, a navigation box displays in the bottom right corner of the screen. This box represents how you are panning over the picture.

### ***Set the zoom***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select the picture you want.
- 4 To zoom in, scroll up. To zoom out, scroll down.

### ***Set the pan***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select the picture you want.
- 4 To zoom in until the picture is larger than actual size, scroll up.
- 5 Press **Ⓞ**.
- 6 To pan in or out, scroll up or scroll down. To pan left or right, scroll left or scroll right.

### ***Toggle between zoom mode and pan mode***

- Press **Ⓞ**.
- Select **Menu** and then **Zoom/Pan**.

### ***Undo changes***

To return the picture to its original state,

- 1 Select **Menu** and then **View**.
- 2 Select **Reset**.

### ***Save changes***

To save the changes you have made to a picture:

- 1 Select **Menu** and then **Save**.
- 2 If you want to rename the file, enter the name in the **File Name** field. To delete characters, press **Ⓞ**.
- 3 If you want to save the file to a different location, select the location in the **Location** field.
- 4 Select **Save**.

## Manage Pictures

### *Sort list by date/time*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select **Menu**.
- 4 Select **Sort**.
- 5 Select **Sort by date**.

### *Sort list by title*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select **Menu**.
- 4 Select **Sort**.
- 5 Select **Sort by name**.

### *Rename a picture*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the picture you want.
- 4 Select **Menu** and then **File**.
- 5 Select **Rename**.
- 6 In **File Name**, enter the name you want. To delete characters, press  $\emptyset$ .
- 7 Select **Rename**.

### *Delete a picture*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the picture you want.
- 4 Select **Menu** and then **File**.
- 5 Select **Delete**.
- 6 Select **Yes**.

### *Move a picture*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the picture you want.
- 4 Select **Menu** and then **File**.
- 5 Select **Move to storage card** or **Move to phone memory**, as required.

### *Set a picture as wallpaper*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the picture you want.
- 4 Select **Menu** and then **Set Wallpaper**.

- To set the picture as wallpaper for the internal display, select **Internal Display**. To set the picture as wallpaper for the external display, select **External Display**.

## Slideshows

You can create a slideshow with the pictures you have in the picture viewer. Pictures display in 3-second intervals. You can present the slideshow in either portrait or full screen mode. **Pause** and **Resume** are available to you during the slideshow presentation.

### *To create or view a slideshow*

- On the **Home** screen, select **Start**.
- Select **Media Theater**.
- Select **Menu**, **View Media** and then **View Pictures**.
- Select **Menu** and then **Slideshow**.

## Video Clips

### Playback Video Clips

You can playback a video clip that is stored on your Smartphone. You can also stream video that is external to your Smartphone, and download video for playback.

### *Play a stored video clip*

- On the **Home** screen, select **Start**.
- Select **Media Theater**.
- If you do not see the list of video clips, select **Menu**, select **View Media**, and then select **View Videos**.
- Scroll to the clip you want.
- Select **Play**.

**Note:** During playback, you can change the view between full screen mode and portrait mode by pressing any number key.

### Playback Control (Portrait Mode Only)

During playback, you can do the following with the specified keys/options.

To	Do This in Portrait Mode	Do This in Full Screen Mode
<b>Play</b>	Press ⏪.	Unavailable.
<b>Pause</b>	Press ⏸.	Unavailable.
<b>Fast forward</b>	Scroll right.	Unavailable.
<b>Rewind</b>	Scroll left.	Unavailable.
<b>Toggle full screen/portrait display</b>	Press any number key.	Press any number key.
<b>Turn volume up</b>	Scroll up.	Unavailable.
<b>Turn volume down</b>	Scroll down.	Unavailable.
<b>End</b>	Press ⏹.	Press ⏹.

## About Fast Forward and Rewind

When either fast forwarding or rewinding, the interval that the clip moves forward or backward is determined by how long you press the given key. The longer you press the key the faster the clip fast forwards or rewinds.

## About Full Screen Display

During playback, you can toggle the screen display to full screen view by pressing any number key. The clip will rotate 270 degrees and expand to fill the screen.

The clip will return to portrait view if you receive an incoming call, experience a low battery, or press any number key.

## Setting Playback Options

You can set video playback options with Playback Settings. The following table outlines the available options and their default values.

To	Select this menu command
Set the default volume for playback. The default is 5.	<b>Volume</b>
Set playback to repeat the clip until you select Stop. The default is Off.	<b>Repeat clip</b>
Set whether playback will be in full screen or portrait mode. The default is Portrait.	<b>Full screen</b>
Set the buffer size for streaming video clips. The default is Default.	<b>Media buffer size</b>

## Manage Clips

### *Sort list by date/time*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select **Menu** and then **Sort by date**.

### *Sort list by title*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select **Menu** and then **Sort by name**.

### *Rename a video clip*

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the clip you want and then select **Menu**.
- 4 Select **File** and then **Rename**.
- 5 In **File Name**, enter the name you want. To delete characters, press  $\ominus$ .
- 6 Select **Rename**.
- 7 To return to the list of clips, select **Menu** and then **Clips**.

***Move a video clip***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the clip you want and then select **Menu**.
- 4 Select **File** and then **Move to storage card** or **Move to phone memory**, as required.

***Delete a video clip***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the clip you want and then select **Menu**.
- 4 Select **File** and then **Delete**.
- 5 Select **Yes**.

***View clip details***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Scroll to the clip you want and then select **Menu**.
- 4 Select **Files** and then select **Properties**.
- 5 Select **Done**.

## Audio Only Files

If you have audio only files on your Smartphone, you can listen to them in media theater. To listen to the file, select it in the video clip list. While the file is playing, the Audio Only icon displays.

## Sending Video Pictures and Clips

You can send pictures and video clips in email messages or with infrared.

***Send in an email message***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.
- 3 Select the picture you want.
- 4 Select **Menu** and then **Send**.
- 5 Select **Send via E-mail**.
- 6 Select **Outlook E-mail**.

The email message opens with the item attached.

- 7 Compose your email message. For information about creating email messages, see "Creating Messages" on page 103.
- 8 Select **Send**.

***Send via infrared***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Media Theater**.

- 3 Select the picture you want.
- 4 Select **Menu** and then **Send**.
- 5 Select **Send via Infrared**.
- 6 Select the device you want to send the item to.
- 7 Select **Beam**.

## Opening Camera and Camcorder

- 1 Select **Menu**.
- 2 Select **Capture**.
- 3 Take a picture or record a video clip:
  - To take a picture, select **Capture Picture**.
  - To take a video clip, select **Capture Video**.



# GPS Enabled

Your Smartphone's GPS Enabled feature uses information from Global Positioning System (GPS) satellites orbiting the Earth to determine the approximate geographical location of your Smartphone, expressed as latitude and longitude. The availability and accuracy of this location information (and the amount of time that it takes to calculate it) will vary depending on the environment in which you are using the GPS feature. For example, GPS location fixes are often difficult to obtain indoors, in covered locations, between high buildings, or in other situations where you have not established a clear broad view of the sky. Also, nearby radio and electronic equipment may block or interfere with reception from these distant satellites. **SEE: "IMPORTANT: Things to Keep in Mind".**

When you make a 911 emergency call, the GPS feature of your Smartphone can help emergency personnel locate you if your Smartphone has adequate access to GPS satellite signals and your emergency response center is equipped to process such information.

You can also use the GPS feature to view your approximate location. Location information appears on the Smartphone's display.

Java applications loaded on your Smartphone can also request your location. If your Smartphone is connected to a laptop computer or similar device, software running on that device can request your location. To protect your privacy, you can control whether these requests are granted.

## IMPORTANT: Things to Keep in Mind

If you are using the GPS feature of your Smartphone while driving, please give full attention to driving and to the road.

**Where adequate signals from multiple satellites are not available** (usually because your GPS antenna cannot establish a view of a wide area of open sky), **the GPS feature of your Smartphone WILL NOT WORK. Such situations include but are not limited to:**

- In underground locations
- Inside of buildings, trains, or other covered vehicles
- Under any other metal or concrete roof or structure
- Between tall buildings or under dense tree-cover
- Near a powerful radio or television tower
- When your GPS antenna is covered (for example, by your hand or other object) or facing the ground
- Some radios, entertainment equipment and other electronic devices may generate signals that can block or interfere with the GPS receiver ability to receive the distant satellite signals, particularly when such devices are operating in close proximity to the GPS receiver. Therefore, in a 911 call, or when otherwise using the GPS location function, always move your phone away from any such devices.
- In temperature extremes outside the operating limits of your Smartphone

Walking or driving very slowly may also substantially reduce GPS performance.

Even where location information can be calculated in such situations, it may take much longer to do so, and your location estimate may not be as accurate. Therefore, in any 911 call, always report the location to the emergency response center if you can and if you cannot, remain on your Smartphone for as long as the emergency response center instructs you.

Even where adequate signals from multiple satellites are available, your GPS feature will only provide an approximate location, often within 150 feet (45 meters) but sometimes much further from your actual location. Advice on how to improve GPS performance is provided in “Enhancing GPS Performance” on page 134.

While the GPS feature of your Smartphone can be a valuable navigational aid, it does not replace the need for careful navigating and good judgment. **Never rely solely on one device for navigation.** Remember that the accuracy of the location information and the time needed to obtain it will vary depending on circumstances, particularly the ability to receive signals from adequate numbers of satellites.

On emergency calls, your Smartphone uses assistance information from the Smartphone network to improve the speed and accuracy of your Smartphone’s location calculation: if such assistance information becomes unavailable, it may reduce the speed and accuracy of the location calculation.

The satellites used by the GPS feature of your Smartphone are controlled by the U.S. government and are subject to changes implemented in accordance with the Department of Defense GPS user policy and the Federal Radionavigation Plan. These changes may affect the performance of the GPS feature of your Smartphone.

## Making an Emergency Call

Dial 911 to be connected to an emergency response center.

When you make an emergency 911 call, the GPS feature of your Smartphone begins to seek information to calculate your approximate location. **It will take the GPS feature of your Smartphone some time to determine your approximate location.** Even where your Smartphone has good access to sufficient GPS satellite signals and network assist data, it may take 30 seconds or more to determine the approximate location. This time will increase where there is reduced access to satellite signals. When your approximate location is determined, it is made available to the appropriate emergency response center.

**In some cases, your local 911 emergency response center may not be equipped to receive GPS location information.** For this reason, and because the GPS location information reported is only approximate or may not be available in your location (see “IMPORTANT: Things to Keep in Mind” on page 131), **always report your location to the 911 operator** you speak to when making an emergency call, if able, just as you would when using a phone without GPS capabilities.

**Note:** If you are concerned about whether your local 911 emergency response center is equipped to receive GPS location information, contact your local authorities.

In general, if your Smartphone has access to signals from more GPS satellites, your location will be determined faster and more accurately than if your Smartphone has access to signals from fewer GPS satellites.

If your Smartphone does not have adequate access to GPS satellites signals, the location of the nearest cell tower in contact with your Smartphone is automatically made available to the emergency response center, if the center has the capability to receive such information.

See “Enhancing GPS Performance” on page 134 for information on how to help your Smartphone determine your location.

## Viewing Your Approximate Location

You can calculate your approximate location, which is automatically saved in your phone for you to view again later. The next time you calculate your approximate location, the new location replaces the old one.

### *Calculate your approximate location*

- 1 From the **Home** screen, select **Start**.
- 2 Select **Accessories** and then **GPS Location**.
- 3 Select **Refresh**.

It may take your Smartphone several minutes to complete the process of determining your location. During this time, a message usually appears on your Smartphone’s display saying your Smartphone is scanning for satellites. For tips on getting the best location calculation, see “Enhancing GPS Performance”.


After your approximate location is calculated, the Smartphone displays the following information:

- The approximate location, expressed as latitude and longitude
- The estimated accuracy of the calculated location. This estimate of accuracy is only a very rough estimate and may vary substantially from the actual accuracy of the approximate location information reported.
- The number of satellites used to calculate the location. In general, more satellites make for better accuracy.
- The time (as Greenwich Mean Time) and date that the location was last calculated

Each time approximate location of your Smartphone is calculated, the latest location information is stored in your Smartphone and remains there even when your Smartphone is powered off. You will see this information the next time you go to the **GPS Location** screen.

If you received a phone call or alert while attempting to determine your location, the **GPS Location** screen will disappear, but your Smartphone will continue attempting to determine its location. If it is successful, the new location information will be displayed the next time you view the **GPS Location** screen.

### *Cancel a location calculation before it is completed*

- Select **Stop** to return to the position screen.
- Press  to return to the Home screen.

### *View your location later*

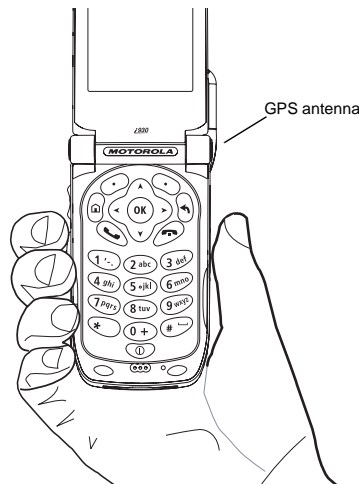
- 1 From the **Home** screen, select **Start**.
- 2 Select **Accessories** and then **GPS Location**.

## Enhancing GPS Performance

Sometimes the GPS feature of your Smartphone may be unable to complete a location calculation successfully. If this happens when you are making an emergency call, the location of the nearest cell tower in contact with your Smartphone is made available to the appropriate emergency response center if the center has the capability to receive such information. If this happens when you are trying to view your location on the Smartphone's display, you will see a message indicating that your Smartphone cannot access satellites.

To improve accuracy and increase your chances of a successful calculation, do the following while your Smartphone is determining your approximate location:

- Stay in the open. The GPS feature works best where there is nothing between your Smartphone and a large amount of open sky. If possible, go outside, away from tall buildings and foliage. While performance in a building is improved by moving closer to windows, glass with certain sun shielding films may block satellite signals.
- Extend your Smartphone antenna.
- Hold your Smartphone to enhance reception. Signals from GPS satellites are transmitted to your GPS antenna, which is in your Smartphone antenna. Hold your Smartphone away from your body, giving the antenna clear access to satellite signals. Do not cover the antenna area with your fingers or anything else.



- Move away from electronic devices. Radios, entertainment devices, and other electronic devices may generate interfering signals that may prevent GPS receiver operation if they are in close proximity to the phone. Move your phone away from such devices when using the GPS-Enabled feature.
- Stand still. If possible, stand still until your Smartphone is finished determining your location. Moving your Smartphone at a walking pace while your Smartphone is calculating your approximate location may substantially decrease GPS performance.
- In a car. When using the GPS Enabled feature in a car, position your Smartphone so that the GPS antenna has good access to GPS signals through the car's windows. Typically, the GPS antenna has best access to GPS signals in a car when placed near a window.

**Note:** Although moving your Smartphone at a walking pace decreases GPS performance, moving it at the speed of a moving car does not.

- Stay in network coverage. Depending on who your service provider is, the network will provide your Smartphone with information that helps determine your location more quickly and accurately.

## Updating Satellite Almanac Data

**Note:** This service may not be offered by your service provider.

Another way to keep the GPS feature of your Smartphone working well is to keep your satellite almanac data up to date.

The United States government maintains an almanac of data about where GPS satellites are as they orbit the Earth. This information is available to your Smartphone. Keeping your satellite almanac up to date helps your Smartphone determine your location more quickly.

The almanac contains information about the location of satellites, their operational status, and other satellite information. Keeping this information updated enhances the performance of your GPS feature. In most cases, your Smartphone will be able to get a fix in strong satellite signal conditions with outdated almanac data, but it may take longer.

**Note:** When you make an emergency call, your Smartphone does not rely upon the almanac to determine your location.

If your satellite almanac data is out of date, your Smartphone may prompt you to update it. Follow the instructions that appear on the Smartphone's display. You may be asked to go to a web site or call a customer care number.

## Setting Privacy Options

Your Smartphone's GPS privacy options control whether Java applications on your Smartphone or other software applications may view the location of your Smartphone. You may set your Smartphone to one of these GPS privacy options.

**Note:** Privacy options do not apply to the transmission of location information during emergency 911 calls.

### ***Set your GPS privacy options***

- 1 From the **Home** screen, select **Start**.
- 2 Select **Accessories** and then **GPS Location**.
- 3 Select **Menu** and then **Setup**.
- 4 If your GPS PIN security feature is enabled, enter your GPS PIN. (See "Setting the GPS PIN Security Feature" for more information.)
- 5 In **Share my position**, select the privacy option you want:
  - **Don't Share** — No Java or similar software applications may view the location of your Smartphone. However, location information may still be available to the Smartphone's owner, fleet manager, or account administrator.
  - **Available to all** — All applications may view the location of your Smartphone, without notifying you.
  - **Ask me** — When an application attempts to view the location of your Smartphone, you will be prompted to give permission. However, location information may still be available to the Smartphone's owner, fleet manager, or account administrator.
- 6 Select **Done**.

## Setting the GPS PIN Security Feature

To prevent your GPS privacy settings from being altered without your knowledge, your GPS privacy option can be protected by a PIN.

When you receive your Smartphone, the GPS security feature is turned off, so you do not have to enter a GPS PIN to access your GPS privacy options. If you turn this feature on, you will be required to enter a GPS PIN to access your GPS privacy options.

### ***Enable GPS Lock***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Security**.
- 3 Select **Enable GPS Lock**.
- 4 In **Old PIN**, enter your current GPS PIN.
- 5 In **New PIN**, enter a new GPS PIN.
- 6 In **Confirm new PIN**, re-enter your new GPS PIN.
- 7 Select **Done**.

### ***Change your GPS PIN***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then select **Security**.
- 3 Select **Enable GPS Lock**.
- 4 In **Old PIN**, enter your current GPS PIN.
- 5 In **New PIN**, enter a new GPS PIN.
- 6 In **Confirm new PIN**, re-enter your new GPS PIN.
- 7 Select **Done**.

## Using GPS with Map Software

You can use the GPS feature of your Smartphone to provide approximate location data to a laptop computer or similar device that is running interactive map software such as that made by DeLorme or Microsoft. This way, if your Smartphone has good access to GPS signals, your approximate position on a map can be made available as you travel in a vehicle.

To do this, connect your Smartphone to your laptop (or other device) with a serial data cable and set your Smartphone to transmit data (see “Getting Started with Map Software” on page 137). Your Smartphone then provides your approximate location to the device running the map software, which displays your location on a map. Your Smartphone provides an updated location every second and the map software displays your changing location on its map.

See “Enhancing GPS Performance” on page 134 for more details on obtaining good location information.

**Note:** Because your Smartphone is continuously determining your location, using the GPS feature of your Smartphone with map software uses the Smartphone’s battery power quickly.

## Software Compatibility

Your Smartphone sends location information to your laptop or other device using the standard National Marine Electronics Association (NMEA) format. Your Smartphone supports output messages in NMEA-0183 format and supports the following NMEA-0183 sentences: GGA, GLL, GSA, GSV, RMC, and VTG.

The map software running on your laptop or other device must support NMEA 3.0.

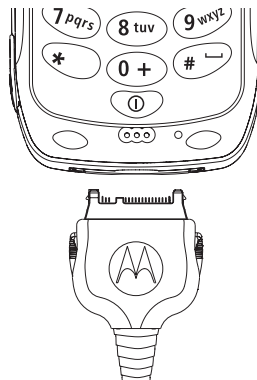
## Getting Started with Map Software

### *Connect your Smartphone to your laptop or other device*

- 1 Open the connector cover.



- 2 With the Smartphone's display facing up, insert the serial data cable's connector into the accessory connector, until you hear a click.



- 3 Insert the data plug into the COM port of your laptop or other device.

### **Check COM port settings**

- 1 Make sure no other application is using the COM port selected of your laptop or other device.
- 2 Make sure the COM port settings of your laptop or other device are set to the following:

- Bits per second: 4800
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: Hardware

***Set your Smartphone to send location information to your laptop or other device***

- 1 From the **Home** screen, select **Start**.
- 2 Select **Accessories** and then **GPS Location**.
- 3 Select **Menu** and then **Setup**.
- 4 In **Device Connection**, select **NMEA out**.
- 5 Select **Done**.

Your Smartphone is now sending location data to your laptop or other device.

***Stop your Smartphone from sending location data to your laptop or other device***

- Select **No Connection** as **Device Connection** option.

Each time you power your Smartphone on, the **Device Connection** option is automatically set to **No Connection**.



# Java Applications

After you install an application, you can run it as many times as you want.

Some Java applications can run with the flip open or the flip closed. Others can be run only with the flip open.

When you are running an application, you can suspend the application. This sends the application to the background so that you can run another application in the foreground.

You can resume the suspended application at any time. This brings it to the foreground.

You cannot suspend or resume applications with the flip closed.

**Note:** Using Java applications may cause your Smartphone to use up more battery power than other uses of your Smartphone.

## Using Java Applications With the Flip Open

### *Run a Java application*

- 1 From the **Home** screen, select **Start**.
- 2 Select the Java application you want to run.

### *Suspend a Java application*

- Press  $\theta$ .
- Close the flip. If the Java application cannot run with the flip closed, it is suspended.

### *View suspended application*

- 1 From the **Home** screen, select **Start**.
- 2 Select **Java Control Panel**.
- 3 Select **Menu** and then select **Suspended Apps**.

### *Resume a Java application*

- While viewing the list of suspended applications, select the application you want to resume.

### *Ending the Java application running in the foreground*

- Select **Menu** and then select **End App**.

### *Ending a Java application running in the background*

- 1 From the list of all Java applications or the screen showing the suspended application, select the application you want to end.
- 2 Select **Menu** and then select **End App**.

### *Ending all Java applications*

- 1 From the list of all Java applications or the screen showing the suspended application, select **Menu** and then select **End All**.
- 2 Select **Yes** to confirm.
- 3 If you want to end all applications without letting them exit, select **End Now**.

### ***Exit the Java Control Panel***

- Press **0**.
- Select **Exit**.

## **Using Java Applications With the Flip Closed**

You must start running all Java applications with the flip open, but some Java application can continue running, either in the foreground or the background, after you close the flip. You can then view, suspend, and resume without opening the flip.

If you close the flip while a Java application that can run with the flip closed is running in the foreground, closing the flip causes that Java application to continue running on the external display.

If you close the flip while a Java application that can run with the flip closed is running in the background, closing the flip causes that Java application and any other Java applications that are running in the background to be listed on the external display.

### ***Suspend a Java application with the flip closed***

- If a Java application is running on the external display, press **⏸** to suspend it.

### ***Resume a Java application with the flip closed***

If you Java application is running in the background with the flip closed, the external display shows a list of Java applications that are running in the background.

To resume a Java application that can run with the flip closed:

- 1 Use the volume keys to scroll to the Java application you want to resume.
- 2 Press **⏪**.

## **Deleting Java Applications**

- 1 From the **Java Control Panel** screen or the **Suspended Apps** screen, select the Java application you want to delete.
- 2 Select **Menu** and then select **Deinstall Suite**.
- 3 Select **Yes** to confirm.

## **Java Applications and GPS Enabled**

Some Java applications make use of your Smartphone's GPS feature to determine the approximate geographical location of your Smartphone. (See "GPS Enabled" on page 131 for more information on the GPS feature.)

However, for privacy and other reasons, you may not always want Java applications to access the location of your Smartphone. Your Smartphone protects you by giving you the option to block all or some Java applications from accessing the location of your Smartphone. You do this by setting permissions.

Permission Option	Sets This Permission
<b>Ask</b>	When applications request permission to access the location of your Smartphone, you are prompted to grant or deny permission.
<b>Always</b>	When applications request permission to access the location of your Smartphone, the request is granted without notifying you.
<b>Never</b>	When applications request permission to access the location of your Smartphone, the request is denied without notifying you.

**Note:** Even when you set this option to **Ask** or **Never**, location information may still be available to the Smartphone's owner, fleet manager, or account administrator.

### Set permission options

- 1 From the **Home** screen, select **Start**.
- 2 Select **Java Control Panel**.
- 3 Select **Menu** and select **Permissions**.
- 4 In **Location**, select the permission option you want (**Ask**, **Always**, or **Never**).
- 5 When you are finished, select **Done**.

## Granting or Denying Permission for Each Application

If you set the permission to **Ask**, you must grant or deny permission to perform this function when the application requests permission to access the location of your Smartphone for the first time. You may be required to grant or deny subsequent requests, depending on the option you choose.

These are the options you must choose from when prompted:

Option	Does This...
<b>Allow only once</b>	Grants the application permission to access the location of your Smartphone. If this application or another application requests permission to access the location of your Smartphone again, you are prompted to grant or deny permission.
<b>Allow for this session</b>	Grants the application permission to access the location of your Smartphone. If this application or another application requests permission to access the location of your Smartphone again before you power off your Smartphone, the request is granted without notifying you.
<b>Allow always</b>	Grants the application permission to perform its function. If this application or another application requests permission to access the location of your Smartphone again, the request is granted without notifying you.
<b>Deny only once</b>	Denies the application permission to perform its function. If this application or another application requests permission to access the location of your Smartphone again, you are prompted to grant or deny permission.
<b>Deny for this session</b>	Denies the application permission to perform its function. If this application or another application requests permission to access the location of your Smartphone again before you power off your Smartphone, the request is denied without notifying you.
<b>Deny always</b>	Denies the application permission to perform its function. If this application or another application requests permission to access the location of your Smartphone again, the request is denied without notifying you.

***Grant or deny permission***

- 1 When prompted, scroll left or right to choose the grant or deny option you want.
- 2 Select **Done**.

# Beaming Information

You can use the infrared port on your Smartphone to send and receive (beam) contact cards and calendar appointments between your Smartphone and another mobile device or a desktop computer that has an infrared port and supports vCards and vCal. You can also use infrared beams to send pictures and video clips. For information on sending pictures and video clips using infrared, see “Sending Captured Pictures and Video Clips” on page 121.

The device you are beaming to must be powered on and set to receive incoming beams.

**Note:** You cannot beam SIM contacts.

## ***Beam a contact***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Contacts**.
- 3 Select the contact to beam.
- 4 Select **Menu** and then **Beam Contact**.
- 5 Make sure that the infrared ports are unobstructed and within close range of each other.
- 6 Select the device to which you want to beam.

Status information displays, indicating the name of the device to which the Smartphone is beaming, and whether the beaming process is pending, finished, or has failed.

- 7 If the beaming process fails and you want to try again, select **Beam**.

## ***Beam an appointment***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Calendar**.
- 3 Select the appointment to beam.
- 4 Select **Menu** and then **Beam Appointment**.
- 5 Scroll to the device you want to beam to.
- 6 Make sure that the infrared ports are unobstructed and within close range of each other.
- 7 Select the device to which you want to beam.

Status information displays, indicating the name of the device to which the Smartphone is beaming, and whether the beaming process is pending, finished, or has failed.

- 8 If the beaming process fail and you want to try again, select **Beam**.

## ***Receive beamed information***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Beam**.
- 3 Select **Receive incoming beams**.
- 4 Make sure that the infrared ports are unobstructed and within close range of each other.
- 5 Select **Done** to receive the information.

**Note:** Once you select **Receive incoming beams**, your device automatically receives beams until you clear this check box.

Your Smartphone can receive beamed files of any type, but you may need to copy some files to your desktop computer for viewing.

# ActiveSync

**Note:** This service may not be offered by your service provider.

This chapter introduces the basic features of Microsoft® ActiveSync® technology. It describes how to use ActiveSync for synchronizing information on your Smartphone with your desktop computer and/or a server running Microsoft® Exchange® Server.

For detailed information about using ActiveSync, see ActiveSync Help on your desktop computer.

## Understanding ActiveSync

ActiveSync synchronizes information stored on your Smartphone with Microsoft® Outlook® information on your desktop computer or Microsoft Exchange Server. It also allows you to share files between your Smartphone and your desktop computer.

When you synchronize, ActiveSync compares the information on your Smartphone with the information on your desktop computer and/or Exchange Server and updates all locations with the most recent information.

With ActiveSync, you can:

- Synchronize Outlook email, Contacts, Calendar, and Tasks information on your Smartphone with your desktop computer.
- Synchronize Outlook email, Contacts, and Calendar on your Smartphone with the Outlook information on a server running Microsoft Exchange Server so that you have the latest information, even when your desktop computer is turned off. You can synchronize with an Exchange server if your company or service provider is running Microsoft Exchange Server with Exchange ActiveSync. You can synchronize Tasks information with your desktop computer, but not with a server.
- Copy (rather than synchronize) files between your Smartphone and your desktop computer.
- Synchronize on a schedule to control when synchronization occurs.
- Select which types of information are synchronized and specify how much information is synchronized. For example, you can choose how many weeks of past appointments to synchronize.

## Setting up ActiveSync

Using Microsoft ActiveSync, you can synchronize information on the Smartphone with your desktop computer and/or Microsoft Exchange Server. This section explains how to:

- Install ActiveSync on your desktop computer.
- Create a partnership between your desktop computer and the Smartphone.
- Configure an Exchange Server connection (if you will be synchronizing with a corporate or service provider server running Microsoft Exchange Server with Exchange ActiveSync).
- Set up a synchronization schedule.

If you want to keep the information on your Smartphone always up to date, set up ActiveSync to synchronize as items arrive. You can synchronize as items arrive only if your company or service provider is running Microsoft Exchange Server with Exchange ActiveSync.

## Installing ActiveSync and Creating a Partnership

Before you can synchronize information with a desktop computer, you must first install ActiveSync on your desktop computer and create a partnership between your Smartphone and your desktop computer. You can also set up synchronization between the Smartphone and a Microsoft Exchange server at this time.

You can install ActiveSync on the desktop computer from the #30 companion CD. For more information about installing ActiveSync, see the #30 Smartphone welcome guide.

As soon as ActiveSync installation completes, the New Partnership Wizard automatically starts. This wizard helps you set up a partnership between your Smartphone and your desktop computer or with an Exchange server.

When you create a partnership, you specify your synchronization settings; for example, the type of information to synchronize, whether or not to synchronize with both your desktop computer and an Exchange server. Once a partnership is set up, ActiveSync on your desktop computer recognizes your Smartphone when you connect it, and automatically applies the synchronization settings you specified.

When you finish using the wizard, the first synchronization begins automatically. When synchronization completes, you will notice that the information from your desktop computer or Microsoft Exchange Server that you selected now appears on your Smartphone.

Before you begin setting up ActiveSync, you should get the information you will need and connect the Smartphone to your computer.

### ***Before setting up ActiveSync***

- 1 Connect your Smartphone to your desktop computer by USB or infrared connection. For more information, see “Connecting a mobile device to a desktop computer” in ActiveSync Help on your desktop computer.
- 2 Turn on the Smartphone.

### ***Get Exchange Server information***

- If you want to synchronize your Smartphone with a server running Microsoft Exchange Server, get the name of the server and the server domain name from your service provider or system administrator.
- You must also know your Exchange user name and password to synchronize with an Exchange server.

### ***Install ActiveSync and create a partnership***

- 1 Install ActiveSync on your desktop computer, as described in the Welcome Guide. When Setup completes, the New Partnership Wizard automatically starts.
- 2 Follow the instructions on the screen to complete the wizard.

When you finish the wizard, ActiveSync synchronizes your Smartphone automatically. Once synchronization completes, you can disconnect your Smartphone from your desktop computer.

**Note:** ActiveSync is already installed on your Smartphone.



## Change ActiveSync settings later

If you want to change ActiveSync settings for synchronizing with a desktop computer, use ActiveSync on the desktop computer. For more information, see “Modifying the Amount of Information Synchronized” in ActiveSync Help on the desktop computer.

If you want to change ActiveSync settings for synchronizing with your Exchange server, use ActiveSync on your Smartphone, as described in “Change Exchange server synchronization settings” on page 147.

## Configuring an Exchange Server Connection

**Note:** When setting up a wireless ActiveSync connection, set **Peak time Sync** to **Every 30 Minutes**, or less frequently. This is the optimal setting for wireless ActiveSync on your Smartphone.

You can use the New Partnership Wizard when you are first setting up a partnership with a desktop computer to synchronize with an Exchange server. If you did not set up the Smartphone to synchronize with an Exchange server when you set up your partnership, this section describes how to configure wireless synchronization with an Exchange server on your Smartphone.

If at some later time you want to synchronize with a server when the Smartphone is connected to the desktop computer, you must then configure ActiveSync on the desktop computer as described in “Synchronize with a server” in ActiveSync Help on the desktop computer.

You can edit the connection later to stop synchronizing a particular type of information or to change how much information is synchronized. All of these settings can also be configured using ActiveSync on the desktop computer when the Smartphone is connected to the desktop computer by USB or infrared connection.

### *Configure an Exchange server connection*

- 1 If the Smartphone is connected to your desktop computer, disconnect it.
- 2 On the Smartphone **Home** screen, select **Start**.
- 3 Select **ActiveSync**.
- 4 Select **Menu** and then **Options**.
- 5 Select **Server Settings**.
- 6 Select **Connection**.
- 7 In **User name**, enter your Microsoft Exchange user name.
- 8 In **Password**, enter your Microsoft Exchange password.
- 9 In **Domain**, enter the name of the domain of your Exchange server (if required).
- 10 If you want the Smartphone to save your password so that you need not enter it when connecting, select **Save password**.
- 11 If configuring a **Server Name**, enter the name of your Exchange server.
- 12 Select **Done**.

### *Change Exchange server synchronization settings*

- 1 On the Smartphone **Home** screen, select **Start**.
- 2 Select **ActiveSync**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Server Settings**.

- 5 Select the synchronization settings to edit: **Calendar**, **Contacts**, or **Inbox**.
- 6 Do one of the following:
  - To start synchronizing **Calendar**, **Contacts**, or **Inbox** information, select **Sync [Information Type] with a server** on the appropriate synchronization settings page.
  - To stop synchronizing **Calendar**, **Contacts**, or **Inbox** information, clear the **Sync [Information Type] with a server** check box on the appropriate synchronization settings page.
  - Change the amount of information to be synchronized.

- 7 Select **Done**.

**Note:** Before you change synchronization settings, disconnect the Smartphone from your desktop computer.

## Creating a Synchronization Schedule

You can create a schedule for automatically synchronizing information on your Smartphone with your desktop computer or with Microsoft Exchange Server. To set up a synchronization schedule with your desktop computer, you must use ActiveSync on the desktop computer. For instructions, see “Change desktop synchronization schedule” in ActiveSync Help on the desktop computer.

To set up a synchronization schedule with an Exchange server, you must use ActiveSync on your Smartphone. You can schedule synchronization of your Smartphone on 2 separate schedules. Use the peak times schedule to synchronize during working hours or other times you experience higher mail volumes. Use the off-peak schedule to synchronize during times when you experience lower mail volumes. When you are roaming, you can synchronize manually to reduce roaming charges, or you can synchronize using the mobile schedules.

### *Create a synchronization schedule with an Exchange server*

- 1 On the Smartphone **Home** screen, select **Start**.
- 2 Select **ActiveSync**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Mobile Schedule**.
  - Select how often to synchronize in the **Peak time sync** list.
  - Select how often to synchronize in the **Off-peak time sync** list.
  - Select whether or not to synchronize on a schedule in the **Roaming sync** list.
  - Select **Sync outgoing items as they are sent** to synchronize every time you send email.
- 5 Select **Done**.

**Note:** To edit schedule settings, your Smartphone must be disconnected from your desktop computer.

If you create a schedule for synchronizing while connected to a desktop computer as well as a schedule for synchronizing remotely (wirelessly), the Smartphone synchronizes according to both schedules.

## Synchronizing Automatically

**Note:** If you set up more than three email accounts on the Smartphone to synchronize automatically, the settings will automatically revert to manual.

With ActiveSync you can schedule automatic synchronization between your Smartphone and a server every time an item arrives or is changed at the server. Your Smartphone is informed of that event and synchronizes automatically to retrieve those items, making your Smartphone always up-to-date. You must synchronize your Smartphone at least once (such as after creating a partnership) before you can see and change the settings for synchronization as items arrive.

**Note:** You can synchronize as items arrive only if your company or service provider is running Microsoft Exchange Server with Exchange ActiveSync.

### *Set up a schedule to synchronize automatically*

- 1 On the Smartphone **Home** screen, select **Start**.
- 2 Select **ActiveSync**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Mobile Schedule**.
- 5 Set **Peak time sync** and/or **Off-peak time sync** to **When new items arrive**.
- 6 Select **Done**.

### *Set up the device address*

- 1 On the Smartphone **Home** screen, select **Start**.
- 2 Select **ActiveSync**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Server Settings**.
- 5 Select **Connection**.
- 6 Do one of the following:
  - Scroll to **Text Message Address** and enter the address that identifies your Smartphone on the network. This is the same address that other Internet users use to send text messages to your Smartphone.
  - If your company has instructed you to use a pre-defined service provider profile, scroll to **Service Provider**, and select the service provider name. Then, enter your Smartphone phone number, if necessary, in **Device Phone Number**. If you do not want to use the provider profile, under **Address device using**, select **Other**. Then enter the text message address for your Smartphone in **Text Message Address**.
- 7 Select **Done** twice.

**Note:** To edit settings on the Smartphone, disconnect it from your desktop computer.

## Synchronization Methods

Once you have set up ActiveSync, you can synchronize information at any time by using ActiveSync on the Smartphone. This section describes this and several other ways to synchronize your Smartphone with a desktop computer.

### *Start and stop synchronization*

- 1 On the **Home** screen, select **Start**.
- 2 Select **ActiveSync**.

- 3 To start synchronization, select **Sync**.
- 4 To stop synchronizing, select **Stop**.

You have several options for synchronizing your information. In addition to the options already mentioned, you can use:

- Infrared connection
- Remote synchronization

## Synchronizing by Using an Infrared Connection

You can connect your Smartphone to another mobile device or your desktop computer by using an infrared connection. This method is ideal for changing quickly between multiple devices because there are no cables or adapters to connect.

For more information about synchronizing by using an infrared connection or other connection types, see ActiveSync Help on your desktop computer.

## Configuring Remote Synchronization

You can synchronize remotely with your desktop computer, or with an Exchange server. Remote synchronization is when your Smartphone is synchronizing over a wireless connection instead of using a direct local connection to a desktop computer. Synchronizing remotely with your desktop computer may depend on your network configuration. For example, you may need to set up a virtual private network (VPN) connection to your network.

To synchronize remotely you must configure your Smartphone as described in the following procedure. You will also need to set up a connection. For information about setting up a connection, see “Phone Networks” on page 86. Then you will be ready to synchronize your information. For instructions on synchronizing your information, see “Synchronizing information” in this chapter.

### *Configure remote synchronization with a desktop computer*

- 1 On the **Home** screen, select **Start**.
- 2 Select **ActiveSync**.
- 3 Select **Menu** and then **Options**.
- 4 Select **PC Settings**.
- 5 In **Use**, select the computer name.
- 6 Select or clear **Use mobile schedule to sync with this PC**.
- 7 Select or clear **Sync with this PC during manual sync**.
- 8 Select **Done** twice.

**Note:** To synchronize remotely with a desktop computer, the desktop computer must be turned on.

# Deciding Which Information to Synchronize

By default, ActiveSync does not automatically synchronize all types of Outlook information. You can use ActiveSync options to turn synchronization for specific information types on and off. This section provides an overview of the types of Outlook information you can synchronize. Items that you synchronize with Microsoft Exchange Server cannot also be synchronized with Outlook on a desktop computer.

## Synchronizing Outlook Email

When you select Inbox for synchronization in ActiveSync, email messages are synchronized as part of the general synchronization process. During synchronization, the following events occur:

- Messages are copied from the Outlook Inbox folder on your desktop computer, or from Microsoft Exchange Server, to the Inbox folder of the Outlook E-mail account on your Smartphone.
- By default, when synchronizing your Outlook E-mail account with your desktop computer or Microsoft Exchange Server, you receive only messages from the last 3 days and the first 500 bytes of each new message.
- The messages on your Smartphone and on your desktop computer are linked. When you delete a message on your Smartphone, it is deleted from your desktop computer the next time you synchronize, and vice versa.
- Messages in subfolders of other Outlook email folders are synchronized only if the folders have been selected for synchronization in your Outlook E-mail account on your Smartphone.

**Note:** Text messages are not received in Messaging through synchronization. Instead, they are sent to your Smartphone by way of your service provider.

## Synchronizing Calendar

Calendar items stored on your Smartphone can be synchronized with calendar items stored on your desktop computer or on a Microsoft Exchange server. By default, Calendar items from the last 2 weeks are synchronized.

Calendar items created on your Smartphone are copied to your desktop computer and/or server during synchronization, and vice versa. Similarly, Calendar items that are deleted from your Smartphone are deleted from your desktop computer and/or server during synchronization, and vice versa.

## Synchronizing Contacts

Contacts stored on your Smartphone can be synchronized with contacts stored on your desktop computer or on a Microsoft Exchange server. By default, all of your contacts are synchronized.

Contacts created on your Smartphone are copied to your desktop computer and/or server during synchronization, and vice versa. Similarly, contacts that are deleted from your Smartphone are deleted from your desktop computer and/or server during synchronization, and vice versa.

## Synchronizing Tasks

Tasks stored on your Smartphone can be synchronized with tasks stored on your desktop computer. Task synchronization is automatically selected in ActiveSync. By default, all of your incomplete tasks are synchronized.

Tasks created on your Smartphone are copied to your desktop computer during synchronization, and vice versa. Similarly, tasks that are deleted from your Smartphone are deleted from your desktop computer during synchronization, and vice versa.

**Note:** Tasks can be synchronized only with your desktop computer; they cannot be synchronized with a server running Microsoft Exchange Server.

## ActiveSync Error Messages

If your information cannot be successfully synchronized, you will see an error message on your Smartphone. To help troubleshoot the problem, you can view more information about the error.

### *View information about an ActiveSync error*

- When an error message is displayed, scroll to it and press Ⓜ.

**Note:** Some errors interfere with automatic synchronization. If you suspect that a scheduled synchronization has not occurred, you should attempt to manually synchronize your information. Successfully completing manual synchronization resets automatic synchronization. For more information, see “Synchronizing Information” in ActiveSync Help on your desktop computer.

# Using Your Smartphone as a Modem

**Note:** This service may not be offered by your service provider.

You can use your Smartphone as an external modem for data transfer to and from your computer or other device by using the i930 Sync Cradle or a RS232 data cable.

**Note:** To use your Smartphone as a GPRS modem, see “Working with GPRS Connections” on page 92.

You can use your Smartphone to transfer data only when it is not in a call. If your Smartphone is in a Private call when you set up a data transfer, the Private call is ended. You will not receive any type of call or message notifications while transferring data.

For detailed instructions on using your Smartphone as a modem, as well as files you will need to download, go to [www.motorola.com/iden/support](http://www.motorola.com/iden/support).

# Internet

**Note:** This service may not be offered by your service provider.

This chapter explains how to browse the Web using Microsoft® Pocket Internet Explorer.

## Browsing the Web

Using Pocket Internet Explorer, you can browse the Web on your Smartphone. Pocket Internet Explorer on your Smartphone supports HTML (Hypertext Markup Language), cHTML (compact Hypertext Markup Language), and WAP (Wireless Application Protocol). It also supports JScript, ActiveX controls, and CSS (cascading style sheets). The browser supports images and sounds, but it does not support frames on a Web page.

With Pocket Internet Explorer, the Favorites list is displayed as the main screen instead of a home page, so you can easily go to your favorite Web sites. You can add your own favorites to this list for Web sites you frequently visit. You can view your Favorites list from any Web page by selecting Favorites.

### ***Open Internet Explorer***

- On the **Home** screen, select **Start** and then **Internet Explorer**.

### ***Disconnect from the Internet***

- Press .

### ***View a favorite***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 If the Favorites list does not appear, select **Favorites**.
- 4 Scroll to a favorite and select **Go**.

**Tip:** To view your favorites list from a Web page, select **Favorites**.

### ***Go to a link***

- Select the link.

**Note:** Scroll to see all available links.

### ***Go to a Web page***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 Select **Menu** and then **Address Bar**.
- 4 Enter the Web address and select **Go**.

### ***Return to a Web page you visited in the same session***

- On a Web page, press  repeatedly until the page appears.

### ***View a list of recently-visited Web pages***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.



- 3 Select **Menu** and then **Address Bar**.
- 4 Select **View History**.

### ***Go to a Web page on the History list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 Select **Menu** and then **Address Bar**.
- 4 Select **View History**.
- 5 Scroll to the Web page address and select **Go**.

**Tip:** While you are connected to the Internet, you can change between Pocket Internet Explorer and other programs on your Smartphone by pressing **⌘** and navigating to the program you want. This does not close your Internet connection. To return to the Web page you were viewing, press **⌘** as many times as necessary until the Web page displays.

## **Using the Favorites List**

If you see a Web page you want to visit another time, mark it as a favorite. The next time you want to visit that Web page, you can select it from your Favorites list.

### ***Add a Web page to the Favorites list***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 Select **Menu** and then **Add Favorite**.
- 4 In **Name**, enter a name for the Web page.
- 5 In **Address**, enter the Web page address.
- 6 In **Folder**, select a folder for this favorite.
- 7 Select **Add**.

### ***Edit a favorite***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer** and then **Favorites**.
- 3 Scroll to the favorite to edit.
- 4 Select **Menu** and then **Edit**.
- 5 Make your changes and select **Done**.

### ***Delete a favorite***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer** and then **Favorites**.
- 3 Scroll to the favorite to delete.
- 4 Select **Menu** and then **Delete**.
- 5 Select **Yes**.

### **Create a new folder in Favorites**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer** and then **Favorites**.
- 3 Select **Menu** and then **Add Folder**.
- 4 In **Name**, enter a name for the folder.
- 5 Select **Add**.

## **Refreshing Web Pages**

The Smartphone caches the Web pages that you view and stores them until the cache is full. It then replaces the oldest pages with new pages. If you go to a page that is cached on your Smartphone, you see the stored version unless you refresh the page to see the latest version.

### **Refresh a Web page**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 If you want to refresh a page other than the one displayed, in your Favorites or History list, scroll to the Web page and select **Go**.
- 4 Wait for the Web page to load.
- 5 Select **Menu** and then **Refresh**.

## **Customizing Pocket Internet Explorer**

You can customize Web browsing options, change the network to connect to, and make more memory available on your Smartphone by clearing stored cookies and Web pages.

### **Change Web page display options**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 Select **Menu** and then **Options**.
- 4 Select **General**.
- 5 Select the options you want, as described in the following table, and select **Done**.

<b>To</b>	<b>Select</b>
Display graphics on Web pages	<b>Show pictures</b>
Play sounds on Web pages	<b>Play sounds</b>
Warn when moving from a secure to a non-secure Web page	<b>Warn when changing to an unsecure page</b>
Allow Web sites to download cookies to your Smartphone	<b>Allow cookies</b>
Select the alphabet to use	<b>Language</b>

### **Change connection options**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 Select **Menu** and then **Options**.

- 4 Select **Connections**.
- 5 To automatically detect network settings, select **Automatically detect settings**.
- 6 If you did not select **Automatically detect settings**, in **Select network**, select the network to which Internet Explorer should connect.
- 7 Select **Done**.

**Note:** You can configure settings for your selected network from Connections. For more information, see “Phone Networks” on page 86.

### ***Clear memory***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Internet Explorer**.
- 3 Select **Menu** and then **Options**.
- 4 Select **Memory**.
- 5 Select the type of memory to clear, as described in the following table, and select **Clear**, then **Yes**, and then **Done**.

<b>To</b>	<b>Select</b>
Clear Web pages from the cache. (When you do this, you will no longer be able to view these cached Web pages offline. You will need to connect to the Internet and go to the page. This downloads a new file to the cache, so you can again view the page offline.)	<b>Temporary files</b>
Clear stored cookies. This deletes personal information about you that is stored for use by various Web sites.	<b>Cookies</b>
Clear History files.	<b>History</b>

# Using Your Phone Internationally

Your Smartphone allows you to make and receive calls in your home area on the iDEN digital network. When traveling outside your home country or area, your Smartphone can registers with a local GSM or iDEN network with whom your service provider has roaming agreements.

## Features Available at Home and Abroad

Feature	Available at Home	Available Abroad
Private calls	Yes.	No.
Voice mail	Yes.	Yes, received as a text message.
Dial-up service	Yes, if offered by your service provider.	Yes, in countries with iDEN technology, if offered by your service provider.
Alternated Line Service	Yes, if offered by your service provider.	No.
Caller ID	Yes, if offered by your service provider.	Yes, in some locations, if offered by your service provider.
Call forwarding	Yes.	Yes, but call cannot be forwarded to numbers outside your home country or area
Emergency Calling	Yes.	Yes, in some locations.

## Setting the Way Your Phone Searches for Networks

You may want to configure the phone to search for a specific network or enable it to select the best network. You do this using the **iDEN/GSM Selection** setting.

There are six options available:

**Note:** Your phone comes programmed with **Last active** as the default setting. This is the recommended setting, which reduces network registration time.

- **Last active** — This option enables the phone to switch between iDEN and GSM systems that do not overlap. For example, you send or receive calls on an iDEN network while at home. Then you travel to another country. Your phone will first search for an iDEN network. If it cannot locate one, it will automatically search for a GSM network. Your Smartphone will always register on the last active mode.
- **iDEN preferred** — This option is useful if your home system is iDEN and you travel to a country or region where GSM coverage is also available. Your Smartphone always searches first for iDEN networks. If an iDEN network is not found, your phone will then search for a GSM network.
- **GSM preferred** — This option is useful if your home system is GSM and you travel to a country or region where iDEN is also available. Your phone will always search for GSM networks first. If a GSM network is not found, your phone will then search for an iDEN network.

- **iDEN only** — This option is useful when you are in an area that is covered by iDEN and GSM networks, but you want to use iDEN. Your Smartphone attempts to register only on iDEN networks.
- **GSM only** — This option is useful when you are in an area that is covered by iDEN and GSM, but you want to use GSM. Your Smartphone attempts to register only on GSM networks.
- **Roam** — This option is useful when you are in an overlapping system-coverage area and have no preference for either the iDEN or the GSM network. Your Smartphone will switch between iDEN and GSM until it finds an acceptable network.

### **Select iDEN/GSM options**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **iDEN/GSM Selection**.
- 4 In **iDEN/GSM selection**, select to the option you want.
- 5 Select **Done**.

## **Searching for a Network**

While you are on a GSM network, you can perform an automatic or manual search for available networks. A manual search allows you to view the available networks and make a selection rather than use the network automatically selected.

### **Select a GSM network**

- 1 On the **Home** screen, select **Start**.
- 2 Select **Settings** and then **Phone Networks**.
- 3 Select **GSM Network Selection**.
- 4 In **Network selection**, select the option you want: **Manual** or **Automatic**.
- 5 If you selected **Manual**, select **Menu** and then **Select a Network**. Select the network and select **Done**. The Smartphone will use the selected network.
- 6 If you selected **Automatic**, select **Menu** and then **Preferred Networks**. Select the networks to use and select **Done**. The Smartphone will automatically use the preferred networks.
- 7 Select **Done**.

# Windows Media Player

Microsoft® Windows Media® Player 10 Mobile for Smartphone let you play digital audio and video files that are stored on your Smartphone or on the Web.

By default, Windows Media Player can play the following types of files:

- Windows Media Audio
- Windows Media Video
- MP3

This includes files with the extensions .asf, .wma, .wmv, and .mp3. If the manufacturer of your Smartphone has installed additional components, your version of Windows Media Player might be capable of playing additional file types.

In addition to Windows Mobile™-based Smartphones, Windows Media Player is available on other operating environments, including desktop computers running the Windows or Macintosh operating systems and Windows Mobile-based Pocket PCs.

In this documentation, the version of Windows Media Player for Windows-based desktop computers is called the “desktop Player” and the version for Smartphone is called the “Smartphone Player.”

## About the Screens and Menus

Windows Media Player 10 Mobile for Smartphone has 3 primary screens:

**Playback screen.** The default screen that displays the playback controls (such as Play, Pause, Next, Previous, and Volume), the album art window, and the video window. You can change the appearance of this screen by choosing a different skin if additional skins are installed on your Smartphone.

**Now Playing screen.** The screen that displays the Now Playing playlist. This special playlist indicates the currently playing file 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 Video, My TV, and My Playlists.

At the bottom of each screen is a menu called **Menu**. The commands on this menu change depending upon which screen you are viewing.

### Playback Screen Menu

When you are viewing the Playback screen, these commands appear on **Menu**.

This command	Does this
<b>Play/Pause</b>	Starts or pauses playback.
<b>Stop</b>	Stops playback and rewinds to the beginning of the current file.
<b>Shuffle</b>	Plays the items in the Now Playing playlist in a random order.
<b>Repeat</b>	Plays the items in the Now Playing playlist repeatedly.
<b>Full Screen</b>	When a video is playing, displays it by using the entire screen.
<b>Library</b>	Displays the Library screen so you can choose a file to play.
<b>Open URL</b>	Lets you play a file on a network, such as the Internet.
<b>Options</b>	Lets you adjust various Windows Media Player options, including network, skin, and hardware button options.

This command	Does this
<b>Properties</b>	Displays information about the currently playing file.
<b>About</b>	Displays information about Windows Media Player, such as the version number.

## Now Playing Screen Menu

When you are viewing the Now Playing screen, these commands appear on **Menu**.

This command	Does this
<b>Library</b>	Displays the Library screen so you can choose a file to play.
<b>Move Up</b>	Moves the selected item up in the playlist order.
<b>Move Down</b>	Moves the selected item down in the playlist order.
<b>Delete from Playlist</b>	Removes the selected item from the playlist.
<b>Shuffle</b>	Sets playlist to play in random order.
<b>Repeat</b>	Sets playlist to start playing again after the last song.
<b>Clear Now Playing</b>	Removes all items from the Now Playing playlist.
<b>Error Details</b>	Displays error information about the selected item (an exclamation mark appears before the item name if error details are available).
<b>Properties</b>	Displays information about the selected file.

## Library Screen Menu

When you are viewing the Library screen, these commands appear on **Menu**.

This command	Does this
<b>Queue Up</b>	Adds the selected item to the end of the current (Now Playing) playlist.
<b>Delete from Library</b>	Removes the selected item from the library.
<b>Library</b>	Lets you select the library that you want to view (for example, the library of items stored on your Smartphone, or the library of items stored on a removable storage card).
<b>Update Library</b>	Adds new items to the library by searching your Smartphone or storage card.
<b>Open File</b>	Lets you find and play files that are stored on your Smartphone or storage card, but that are not in the library.
<b>Properties</b>	Displays information about the selected file.
<b>Done</b>	Closes the library screen and displays the Playback screen.

## About Libraries

The library contains links to your audio files, video files, and playlists. As in the desktop Player, it lets you sort your content by criteria such as artist name, album title, or genre.

Unlike the desktop Player, the Smartphone Player can have multiple libraries. Each library represents an available storage location. For example, if you store some content in the internal storage location on the Smartphone (known as random access memory or RAM), the My Device library contains links to those files.

If you also store content on removable storage cards, you will have additional libraries for each of those cards. This includes storage cards such as Secure Digital (SD), MultiMedia Card (MMC), or CompactFlash (CF) cards.

On the Library screen, you can switch between the My Device library and any other libraries that are available to your Smartphone.

When you turn on your Smartphone and open Windows Media Player, the program automatically searches the internal storage location of your Smartphone for compatible digital media files. If it finds any, they are added to the My Device library.

Similarly, when you insert a removable storage card into your Smartphone, Windows Media Player asks you if you want to search it for content. If you agree, Windows Media Player adds any content it finds to a Mounted Volume library.

If you copy new files to your Smartphone or storage card and they do not appear in the library, you can manually update the library by using the **Update Library** command.

## About Synchronization

Use the **Sync** feature in the latest version of the desktop Player (Windows Media Player 10 or later) to automatically copy your favorite audio files, video files, and playlists from your desktop Player library to your Smartphone Player library every time you connect your Smartphone to your computer.

For more information about synchronization, see the desktop Player Help.

## About Playlists

A playlist is a list of digital media files that play in a specified order. By using playlists, you can group audio and video files together for convenient playback.

For example, in the desktop Player, you can create a playlist of upbeat songs to listen to when you exercise or a playlist of soothing songs to enjoy during a long flight. When you synchronize with the latest desktop Player (Windows Media Player 10 or later), your favorite playlists are automatically copied to your Smartphone.

You can also create a temporary playlist, called Now Playing, directly on your Smartphone. It is available from the Now Playing menu. It lists the currently playing file, as well as any files that have been “queued up” to play next. The contents of the Now Playing list are not saved on your Smartphone when you power it off.

## About Licenses and Protected Files

Some digital media files (such as songs downloaded from online stores, including Napster and MusicNow) are encrypted to prevent the files from being unlawfully distributed or shared.

Content providers, such as online stores, use a technology called digital rights management (DRM) to encrypt the files. During the encryption process, the content provider creates a license which specifies how and when the file can be used.

For example, a content provider could create a license that allows you to play a certain file on your computer, but not on your Smartphone. Or a content provider could create a license that allows you to play a certain file on your Smartphone, but only for a month. Files that have licenses associated with them are called protected files.

If you want to copy a protected file from your desktop computer to your Smartphone, use the desktop Player to synchronize the file to your Smartphone (instead of dragging the file from a folder on your desktop computer to a folder on your Smartphone or to storage card in a storage card reader, for example). This will ensure that the license is copied along with the protected file.



For more information about synchronizing files to your Smartphone and other devices, see the desktop Player Help.

**Note:** You can view the protection status of a file by checking its file properties (select **Menu**, and then select **Properties**).

## Supported Audio and Video Codecs

High-quality digital media files can require a large amount of storage space. To minimize file size, digital media files are often compressed by using software called a codec (short for compressor/decompressor). To play the file, it must be decompressed by using the same codec that compressed the file.

Windows Media Player 10 Mobile for Smartphone can play files that have been compressed by using any of the following audio and video codecs. You can determine which codecs a file uses by checking its file properties (select **Menu**, and then select **Properties**).

### Audio Codecs

- Microsoft Windows Media Audio codec versions 1.0, 2.0, 7, 8, and 9.

Although Windows Media Player for Smartphone supports all the variants of the Windows Media Audio 9 codec (including the Windows Media Audio 9, Windows Media Audio 9 Professional, Windows Media Audio 9 Voice, and Windows Media Audio 9 Lossless codecs), the following variants are only partially supported:

- Windows Media Audio 9 Professional codec. Multiple channels are combined into a stereo mix during playback. Depending upon the audio playback capabilities of your Smartphone, content with an audio sampling rate higher than 48 kilohertz (KHz) might be played as 48 KHz.
- Windows Media Audio 9 Lossless codec. Depending upon the audio playback capabilities of your Smartphone, content with an audio sampling rate higher than 48 KHz might be played as 48 KHz.

### Video Codecs

- Microsoft Windows Media Video codec versions 7, 8, and 9.
- Microsoft Windows Media Video 9 Image codec versions 1.0 and 2.0.
- Microsoft MPEG-4 codec version 2.0 and 3.0.
- ISO MPEG-4 video codec version 1.0.

**Note:** Windows Media Player 10 Mobile for Smartphone does not support any version of the Windows Media Video Screen codec.

## Playing Audio and Video Files

- Use the following procedures to select and play audio and video files.

### ***Open Windows Media Player***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Windows Media**.

## **Select and play items on your Smartphone**

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

- 1 If you are not on the Library screen, select **Menu**, and then select **Library**.
- 2 If necessary, on the Library screen, select **Library**, and then select the library that you want to use (for example, My Device or Mounted Volume).
- 3 Scroll to a category (for example, My Music or My Playlists), and then press **OK**.
- 4 Select the item that you want to play (such as a song, album, or artist name), and then select **Play** (or select **Menu** and then select **Queue Up**).

**Note:** To play a file that is stored on your device, but that is not in a library, do the following: On the Library screen, select **Menu**, and then select **Open File**. Select the item that you want to play, and then select **Play** (or select **Menu** and then select **Queue Up**).

**Note:** On the Playback screen, you can toggle between pause and play by pressing **OK**.

## **Select and play an item on a network**

Use the **Open URL** command to play a song or video that is stored on the Internet or on a network computer.

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 Select **Menu**, and then select **Open URL**.
- 3 In the **URL** box, enter a network address.

Or, in the **History** box, scroll to a URL that you have previously used, and then press **OK**.

**Note:** To play an item on a network, you must be connected to a network. For more information about creating a remote connection between your Smartphone and a network, see the Data Connections section.

**Note:** On the Playback screen, you can toggle between pause and play by pressing **OK**.

## **To skip to the next item in a playlist**

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 On the Playback screen, press right on the navigation pad.

## **To skip to the beginning of the playing item**

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 On the Playback screen, press left on the navigation pad.

## **To skip to the previous item in a playlist**

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 On the Playback screen, press left on the navigation pad twice quickly.

### ***Play items repeatedly***

Use the **Repeat** command to play all items in the Now Playing playlist repeatedly. A check mark appears next to the command name when repeat play is turned on.

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 On the Playback screen, to turn repeat play on or off, select **Menu**, select **Shuffle/Repeat**, and then select **Repeat**.

### ***Play items in a random order***

Use the **Shuffle** command to play all items in the Now Playing playlist in a random order. A check mark appears next to the command name when shuffle play is turned on.

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 On the Playback screen, to turn shuffle play on or off, select **Menu**, select **Shuffle/Repeat**, and then select **Shuffle**.

### ***Adjust the volume of a playing file***

- 1 If you are not on the Playback screen, press **⌂** until you are.
- 2 On the Playback screen, press up or down on the navigation pad to increase or decrease the volume of a playing file.

**Note:** When you are on the Playback screen, you can turn the sound on or off quickly (that is, turn mute on or off) by pressing **⏸**.

**Note:** On any screen, you can use the volume control to increase or decrease the volume of a playing file. However, this control affects all sounds on your Smartphone, not just the sounds of Windows Media Player.

### ***View file properties***

You can view detailed information about files (such as artist and album name, length, codecs used, protection status, and storage location) by using the **Properties** command.

- 1 If you are not on the Library screen, select **Menu**, and then select **Library**.
- 2 On the Library screen, select **Library**, and then select the library that you want to use (for example, My Device or Mounted Volume).
- 3 Scroll to a category (for example, My Music), and then press **Ⓞ**.
- 4 Select the file that you want to view information about, select **Menu**, and then select **Properties**.

**Note:** When you view the file properties of a song, you can use the **Buy CD** command to find out whether the corresponding CD is available for purchase. To buy a CD, on the Properties screen, select **Menu**, and then select **Buy CD**. After selecting **Buy CD**, you must synchronize with the latest version of the desktop Player (Windows Media Player 10 or later) to view the Buy CD Web page and complete the transaction. The **Buy CD** command is not available for all files.

## Managing Audio and Video Files

Use the following procedures to manage audio and video files on your Smartphone.

### ***Copy files to your Smartphone***

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

For more information about synchronizing files to devices such as Smartphones, see the desktop Player Help.

**Note:** Audio files copy faster if the desktop Player is configured to automatically set the quality level for audio files copied to your Smartphone. For more information, see the desktop Player Help.

### ***Update a library***

You can manually update a library to ensure that it has links to any new files that you might have recently copied to your Smartphone or a removable storage card.

- 1 If you are not already on the Library screen, select **Menu**, and then select **Library**.
- 2 On the Library screen, select **Library**, and then select the library that you want to update (for example, My Device or Mounted Volume).
- 3 Select **Menu**, and then select **Update Library**.
- 4 Select **Search**, wait for the files to be added, and then select **Done**.

### ***Remove an item from a library***

- 1 If you are not already on the Library screen, select **Menu**, and then select **Library**.
- 2 On the Library screen, select **Library**, and then select the library that you want to use (for example, My Device or Mounted Volume).
- 3 Select the item that you want to remove (such as a song, video, or playlist), and then select **Delete from Library**.

**Note:** The item is removed from the library, but not deleted from your Smartphone or removable storage card. If you also want to delete the file from your Smartphone or storage card, select **Yes** when you are prompted.

## Using the Now Playing Playlist

The Now Playing playlist lists the currently playing file and any files that are “queued up” to play next.

### ***Add items to the Now Playing playlist***

- 1 If you are not on the Library screen, select **Menu**, and then select **Library**.
- 2 On the Library screen, select **Library**, and then select the library that you want to use (for example, My Device or Mounted Volume).
- 3 Scroll to a category (for example, My Music or My Playlists), and then press **OK**.
- 4 Select the item that you want to add to Now Playing (such as a single file or an album name), select **Menu**, and then select **Queue Up**.

### ***Edit the Now Playing playlist***

- 1 If you are not on the Now Playing screen, press  $\mathbb{B}$  until you are on the Playback screen.
- 2 On the Playback screen, select **Now Playing**.
- 3 On the Now Playing screen, select **Menu**, and do any of the following.

To	Select
Move the selected item up in the playlist.	<b>Move Up</b>
Move the selected item down in the playlist.	<b>Move Down</b>
Remove the selected item from the playlist.	<b>Delete from Playlist</b>

**Note:** If you select **Delete from Playlist**, the item is removed from the playlist, but not removed from the library or deleted from your Smartphone or removable storage card.

### ***Clear the Now Playing playlist***

The Now Playing playlist displays the currently playing file and any files that are “queued up” to play next. You can quickly remove all items from the playlist by clearing it.

- 1 If you are not on the Now Playing screen, press  $\mathbb{B}$  until you are on the Playback screen.
- 2 On the Playback screen, select **Now Playing**.
- 3 On the Now Playing screen, select **Menu**, and then select **Clear Now Playing**.

**Note:** Clearing the Now Playing playlist removes all items from the Now Playing playlist, but it does not remove the items from the library or delete them from your Smartphone or removable storage card.

## **Customizing Settings**

The following procedures let you customize the appearance and functionality of Windows Media Player.

### ***Change Player appearance***

You can change the appearance of the Playback screen by choosing a new skin if you have additional skins installed on your Smartphone.

- 1 If you are not on the Playback screen, press  $\mathbb{B}$  until you are.
- 2 Select **Menu**, select **Options**, and then select **Skins**.
- 3 Press left or right on the direction pad to select a skin.

**Note:** To download new skins, see the WMPlugins.com Web site (<http://www.wmplugins.com>).

**Note:** To ensure that skins appear on the Skins options screen, do not store skin files in the Windows folder on your Smartphone.

### ***Shrink oversized video***

If you play a video that is larger than the video window, a portion of the image will not be visible. When selected, the **Shrink to fit window** option scales the video down to fit the video window.

- 1 If you are not on the Playback screen, press **⌘** until you are.
- 2 Select **Menu**, select **Options**, and then select **Audio/Video**.
- 3 Select the **Shrink to fit window** check box.

**Note:** Oversized video files are larger than the video area of a skin (typically, 160 × 120 pixels).

### ***Play video in full screen***

You can choose whether you want videos to play inside the video window or to play in full screen. When a video plays in full screen, the playback controls are hidden.

If you are not on the Playback screen, press **⌘** until you are.

- 1 Select **Menu**, select **Options**, and then select **Audio/Video**.
- 2 In **Play video in full screen**, do one of the following.

To	Select
Never play video in full screen.	<b>Never</b>
Play only oversized video in full screen.	<b>Only when oversized</b>
Play all video in full screen.	<b>Always</b>

**Note:** Oversized video files are larger than the video area of a skin (typically, 160 × 120 pixels).

**Note:** To override the **Never** and **Only when oversized** options when playing a video, on the Playback screen, press **⌘**.

### ***Change background playback***

You can choose whether you want files to continue to play in the background when you use other programs.

- 1 If you are not on the Playback screen, press **⌘** until you are.
- 2 Select **Menu**, select **Options**, and then select **Playback**.
- 3 Do one of the following.

To	Do This
Pause playback while using another program.	Select the <b>Pause playback while using another program</b> check box.
Continue playback while using another program.	Clear the <b>Pause playback while using another program</b> check box.

### ***Change how time is displayed***

When you play a file, the Playback screen shows either how much time has elapsed since you started playing the file or how much time is remaining until the file ends.

- 1 If you are not on the Playback screen, press **⌘** until you are.
- 2 Select **Menu**, select **Options**, and then select **Playback**.
- 3 In the **Show time as box**, do one of the following.

To	Select
Show elapsed time on the Playback screen.	<b>Elapsed</b>
Show remaining time on the Playback screen.	<b>Remaining</b>

### ***Change playback after a phone call***

When you place or receive a phone call, any file that you are playing is automatically paused. You can choose whether you want playback to automatically resume after you complete your call.

- 1 If you are not on the Playback screen, press **⌘** until you are.
- 2 Select **Menu**, select **Options**, and then select **Playback**.
- 3 Do one of the following.

To	Do This
Resume playback after you complete a phone call.	Select the <b>Resume playback after a phone call</b> check box.
Prevent playback from resuming after you complete a phone call.	Clear the <b>Resume playback after a phone call</b> check box.

### ***Change network connection speed***

- 1 If you are not on the Playback screen, press **⌘** until you are.
- 2 Select **Menu**, select **Options**, and then select **Network**.
- 3 In the **Internet Connection** box, select the speed of your network connection.

### ***Change network protocol options***

- 1 If you are not on the Playback screen, press **⌘** until you are.
- 2 Select **Menu**, select **Options**, and then select **Network**.
- 3 In **Protocol**, select the check box for each protocol that you want to enable.

**Note:** Enter the port number for User Datagram Protocol (UDP), if necessary.

**Note:** You must select at least one protocol.

**Note:** We recommend that you select all protocols. However, if your network implements a firewall that prevents you from receiving streams that use the UDP or TCP protocols, you might want to clear the **UDP** or **TCP** check boxes.

## Change the startup screen

You can choose whether the Playback screen or the Library screen is displayed when you open Windows Media Player.

- 1 If you are not on the Playback screen, press  $\varnothing$  until you are.
- 2 Select **Menu**, select **Options**, and then select **Library**.
- 3 Do one of the following.

To	Do This
Show the Library screen when you open Windows Media Player.	Select the <b>Start Player on Library screen</b> check box.
Show the Playback screen when you open Windows Media Player.	Clear the <b>Start Player on Library screen</b> check box.

**Note:** This option does not take effect until you turn off your Smartphone and then turn it on again.

## Use hardware buttons

To give you quick access to some Windows Media Player controls without using the menus, you can assign their functions to the hardware buttons on your Smartphone.

- 1 If you are not on the Playback screen, press  $\varnothing$  until you are.
- 2 Select **Menu**, select **Options**, and then select **Buttons**.
- 3 In the list of controls, scroll to the item that you want to change (such as the button assigned to the Play/Pause control), select **Menu**, select **Assign**, and then press the hardware button (such as  $\text{Ⓜ}$ ) that you want to assign to that control.

**Note:** To reset a control to its default hardware button, scroll to the item that you want to change, select **Menu**, and then select **Reset**.

**Note:** To assign no hardware button to a control, scroll to the item that you want to change, select **Menu**, and then select **None**.

## Troubleshooting

If you encounter a problem while using Windows Media Player 10 Mobile for Smartphone, see the Troubleshooting Windows Media Player Mobile page at the Microsoft Web site (<http://go.microsoft.com/fwlink/?LinkId=29195>).



# Games

Your Smartphone comes with pre-loaded games, including Solitaire.

## Solitaire

The object of Solitaire is to use all the cards in the deck to build up the 4 suit stacks in ascending order, beginning with the aces. You win the game when all cards are on the suit stacks.

### ***Start a game of Solitaire***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Games** and then select **Solitaire**.

### ***Start a new game***

- When you have finished playing a game, start a new one by selecting **Menu** and then **New Game**.

### ***Move cards***

- A number or character is displayed above each card stack. On the keypad, press the number or character of the card to move, and then press the number or character of the stack to which you want to move the card.

**Tip:** Scrolling moves a card to one of the 4 stacks in the upper right corner of the screen if it belongs there. For example, if an ace appears in one of the lower stacks, press the number above it, and scroll up.

### ***Play Solitaire***

- 1 Move any aces on the 7 stacks to the 4 card spaces at the top of the screen, and then make any other available plays.
- 2 When you have made all available plays, select **Draw** to turn over cards.


**Note:** The card that is face up on the deck is always available for play.


# Calculator

You can use Calculator to perform any of the standard operations for which you would normally use a handheld calculator. Calculator performs basic arithmetic, such as addition, subtraction, multiplication, and division.

## ***Perform a calculation***

- 1 On the **Home** screen, select **Start**.
- 2 Select **Accessories**.
- 3 Select **Calculator**.
- 4 Enter the first number of the formula by using the keypad.  
**Tip:** To display the available mathematical symbols, use the navigation keys. Press up for the plus sign (+), down for the minus sign (–), left for the division sign (/), and right for the multiplication sign (X).
- 5 Select **Options** and then the type of calculation to perform: **Add**, **Subtract**, **Multiply**, **Divide**, or **Decimal Point**.
- 6 Enter the second number of the formula.
- 7 Select **Options** and then **Equals**.

**Tip:** To scroll through the available mathematical symbols, press .

To enter a decimal point, press .

## ***Clear a displayed number or calculation***

- Select **Clear**.

## ***Clear the last digit entered***

- Press .