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15 November 2009

WWWW TWO USER GUIDE

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WWWW R1.0 - CDMA

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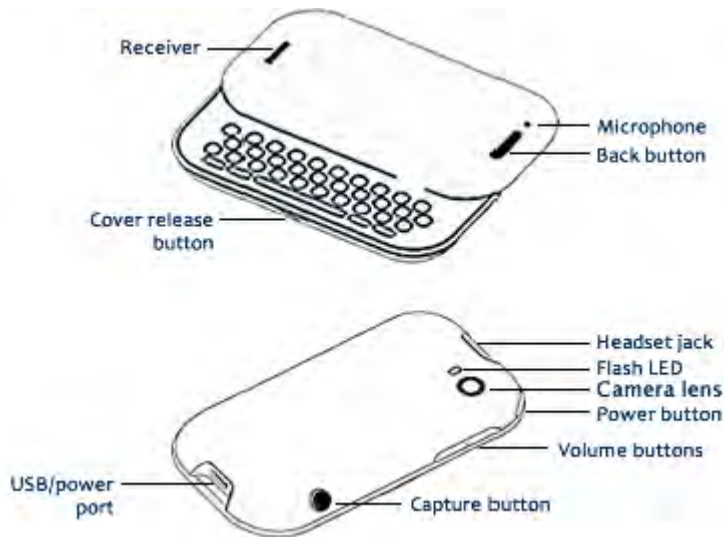
TURN ON/OFF

1 Press & hold the Power button to turn your phone on.
2 Press & hold the Power button again to turn your phone off. The phone will turn off after you confirm.

Note: If you press & hold the power button briefly while your phone is on, your phone will go into screen lock. Screen lock prevents your phone's keys from accidentally being pressed while in your pocket or bag. Read more in "Screen lock" on page 24.

BATTERY

Insert or remove your battery

1 Turn your phone over so you are looking at the battery cover.
2 Press the cover release button, then carefully lift the cover from your phone.
3 To insert the battery, match the gold-colored contacts on the battery with the gold-colored contacts in the battery slot. Push the battery firmly into place.

Battery lift tab

Battery

Cover release button

Gold contacts
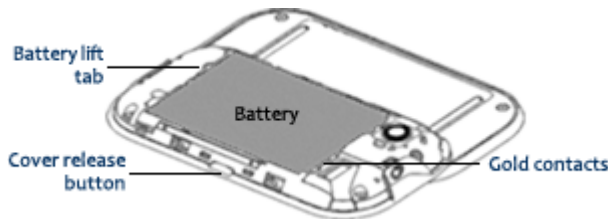
4 To remove the battery, lift the battery using the battery lift tab.
5 Replace the cover, making sure the release button snaps back into position.

Charge using the AC adapter

When you first receive your phone it will be charged, but it's advisable to bring it to a full charge. The AC adapter that came in the box with your phone lets you plug your phone into a power outlet to charge the battery, providing a continuous power supply while it's plugged in. To charge your phone, follow these steps:

1 Connect the AC adapter's USB lead to your phone's USB/phone port.
2 Connect the other end of the adapter to a power outlet. While your phone is charging, you'll see the charging icon over the battery icon in the mini and expanded Dashboard.
3 Your phone will fully charge in four hours. When it's fully charged, the battery icon will be filled with color .

<!!Also cover the following:

• appropriate time periods for charging a battery that is completely discharged and for a battery that is only partially discharged;
• advice addressing the frequency with which batteries should be charged and, if appropriate, the frequency with which batteries should be allowed to completely discharge (if ever);
• advice concerning when a consumer might need to purchase a new battery;
• advice concerning proper battery storage during times in which the phone is not in use;
• advice concerning conditions and/or factors that might affect the battery strength (such as the effect of weak signal strength on the battery charge)!!>

Charging using your computer's USB port

1 Connect the AC adapter's USB lead to your phone's USB port.
2 Connect the other end of the adapter to your computer's USB port.
3 While your phone is charging, you'll see the charging icon over the battery icon 🔋 in the mini and expanded Dashboard.

Read more in "Battery handling" on page 86 and "Battery charger handling" on page 88.

Ways to conserve battery power

Listed below are a few ways you can save your battery power, as well as some facts about battery usage:

- **Adjust the configuration of your radio.** The radio is the number one consumer of battery power. If you will not be using the wireless functionality for a period of time, you can turn the internal radio off completely by putting your phone in Airplane mode. Read more in "Airplane mode" on page 20.
- **If you are going to be in an area or building that has no coverage for a few hours, turn off your phone to conserve power.** When you are out of range of a cell tower your phone will have a shorter standby time because your radio's searching for a cell tower. This uses more power than if it were already registered with a tower and simply monitoring.
- **If you won't be using your phone for a period of time, turn it off to save the most power.** You can leave your phone turned off and not connected to the battery charger for approximately two days before the battery will completely discharge.
- **Turn the Auto-brightness setting on.** Read more in "Auto-brightness" on page 25.
- **Increase the temperature.** The battery capacity will be lower when the temperature is lower. Specifically, when the temperature is 32 degrees Fahrenheit, the battery will have 20-30% less capacity.
- **Screen lock conserves power**, but is less efficient than "off" since the screen displays the wallpaper image. To put your phone into screen lock, press and hold the power button for at least two seconds.

HEADSET JACK

Your phone is designed to use a stereo headset, and one is included in the box. Insert the headset lead into the headset jack. Be sure to press the headset lead in firmly to secure the connection.

Always connect the headset to your phone before making/receiving a call. Press the headset button once to answer a call and again to end it. To answer a second incoming call, press the button once to put the active call on hold and answer the incoming call. Read more in "Can I control a call with a headset?" on page 42.

CONTROL BUTTONS

Back button

Use the Back button to navigate back to where you came from. If you're on a screen and editing or adding information, pressing Back will save your information, or you'll be asked if you want to save it.

Press & hold the Back button to return to the Home screen at any time.

Volume buttons

Use the volume buttons to adjust the volume on a call or when you're playing music or watching a video. Press the top volume button to increase the volume; press the bottom volume button to lower the volume.

Capture button

Use the Capture button to capture photos and videos. It's located on the top of your phone, across from the Volume buttons (see illustration in "The outside" on page 7). When you press the Capture button, you'll enter the Camera app > Capture screen. Read more about capturing photos and videos in "Camera" on page 57.

Power button

The Power button is located on the left edge of your phone, just to the left of the volume buttons (see illustration in "The outside" on page 7). Read about using the power button in "Turn on/off" on page 7.

SCREEN LOCK

To prevent accidental key or screen element presses, lock your screen. While your phone is screen locked, you'll still receive incoming call notifications.

1 Lock your screen by doing one of the following:
   • Press the power key quickly.
   • Wait for the screen timeout period to elapse, then wait for 10 seconds for the screen to dim. At this point screen lock begins automatically.
   In the screen lock state, the phone screen goes black and remain so until you receive a new message or other notification.
2 To unlock the phone, tap the screen, then "peel back" the lower-left corner of the screen.
3 If you have set a security PIN, you will be prompted to type it. If you type an incorrect PIN five times, the data on your phone will be erased (but you will be warned well in advance).

In addition, if this happens, you will receive an email letting you know the location of your phone (in case it is in the hands of someone other than yourself).

SCREEN ORIENTATION

Your phone screen will adjust to the way you're holding your phone or whether you have the keyboard open. If you hold the screen in "portrait" orientation (with the Back button at the bottom), then the screen will display in portrait orientation. If you hold your phone in "landscape" orientation (with the Back button on the right) or if you have the keyboard open, the screen will display in landscape orientation.

Note: When using the Music & More app, the orientation will always be portrait, even when you use the keyboard is used for typing search terms.

TOUCH SCREEN GESTURES

Tap	Touch your fingertip quickly and lightly on the screen. Use this gesture for selecting items on the screen. You'll know when an item's selected because its color changes.
	In the Camera Photo Viewer screen, tap once to reveal the menu.
Double-tap	On some screens (Web pages, Photo Viewer) you can zoom in/ out by tapping the screen twice, quickly and in succession.
	If you double-tap an image on a Web page, you'll expose the **Save image** or **Open link** options (if the image is also a link).

Two-finger-tap	On some screens you can expose additional functions (such as delete or reorder items) by quickly tapping the screen with two fingers (using your forefinger + middle finger works well).

- Delete an item by first tapping the screen with two fingers to reveal the delete icon **X** next to each item. Tap the **X** to delete the item(s). Two-finger tap again to exit edit mode.
- On the Apps and Favorites screens you can rearrange the contents by first entering edit mode. Quickly tap the screen with two fingers and you'll see all the items on the screen shrink. Touch & hold an item until it magnifies and lifts slightly. Without lifting your finger, drag the item to its new location and lift your finger. Two-finger tap again to exit edit mode.

Slide	Brush your finger lightly on the screen in an up or down direction. This gesture is primarily used for scrolling panning.

- Slide your finger in an upward direction to scroll down the screen; slide your finger in a downward direction to scroll up the screen.
- Slide your finger left to move the screen to the right; slide your finger right to move the screen to the left.

To scroll up or down quickly, brush (or flick) your fingertip quickly and repeatedly up or down on the screen. Tap the screen to stop the scrolling.

Touch & hold	Touch your finger to the screen and leave it there until the next action is triggered (such as edit mode or magnified text edit mode).

To reposition the cursor in a text box, touch & hold the box until

Drag	After you touch & hold a movable item, if you keep your finger on the screen and slide it, the item slides with your finger. This gesture is used to move items to the Spot or to rearrange apps or Favorites.

Touch & hold an item you want to put in the Spot 🔴. Keep holding while it lifts slightly and the Spot expands ⚫, then drag it to the Spot, where it will be placed. Read more about the Spot in "Share with the Spot" on page 17.

Pinch in or out	To zoom out of a Web page or photo, start with your thumb and forefinger together in the middle of the screen then pull them apart. To zoom in, start with your thumb and forefinger at opposite ends of the screen and pull them together.
	When viewing a Web page or a photo, toggle quickly between 2x and original size by double-tapping. Zoom in or out incrementally by pinching your fingers together (to zoom out) or pulling your fingers apart (to zoom in).

KEYBOARD

Your phone keyboard contains four rows of keys, including a Phone key (opens the Dialer), an ALT key, a spacebar, Symbol key, and a Search key. The top row contains the numbers.
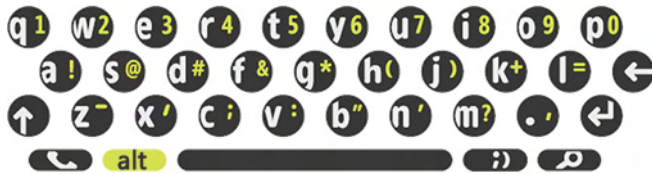
Phone key	Press the Phone key to open the Dialer. From the Dialer you can make outgoing calls. Note that this key doesn't send or end a call; it simply opens the Dialer.
ALT key	Press & hold to type one of the colored characters on the keys, including the numbers on the top row of keys.
Symbol key	Press the Symbol key to open an emoticon and special character selector. The first panel that opens contains emoticons; tap the % sign to the right to open the special character selector. Tap an emoticon or a special character to insert it in your text at the cursor point.
Search key	Press this key to go to the start search screen. You'll land on the Search Your Phone screen, where you can search for contacts, messages, and other saved personal data. Slide your finger right to search the Web. Slide your finger left to search for businesses and addresses "near me".

Typing in text boxes

Tap a text box to open it for typing. After you've typed something, if you want to move the cursor, touch & hold the text box to zoom in, then **without lifting your finger**, slide your finger to place the cursor where you want it. Then lift your finger.

When you first open a text box with text, all the text is highlighted so you can easily clear the box by pressing the Delete key.

To type an emoticon or special character, press the Symbol key and select the emoticon or special character from the menu. To see all the characters available, tap the % sign.

HOME

ABOUT HOME

What is Home?

Home is really three screens. You land on the Home screen that shows all your feeds, also called the "Loop". Slide your finger left to view contact Favorites or right to view Apps. Slide your finger down to scroll the contents of each screen.

WWWW Loop Displays your name, status, and photo in the top section. Below your name and status are your favorite feeds, refreshed as new feed information is available. The Loop include updates from your SNS friends and RSS/news feeds that you've tagged as a "favorite". The feeds from contacts who are part of your Favorites appear at the top. Tap a feed story to read the entire feed.

Note: If you don't have a data connection, default feeds will appear.

Read more in "Feed Reader" on page 38.

Apps All the apps available on your phone are displayed on this screen. Tap an app to open it. You can rearrange apps so they appear in the order you like.

Read more in "Rearrange Apps and Favorites" on page 17.

Favorites Displays your favorite contacts, plus a link to **all** your contacts. You can rearrange your favorite contacts so they appear in the order you like. For quick communications, tap a favorite to open their contact card.

Read more in "Rearrange Apps and Favorites" on page 17 and "Contacts" on page 29.

<Insert annotated screenshot here>

Where are my status icons?

The connectivity status icons, as well as your battery's charge state, sound profile, and date & time are available in the Dashboard. Open the Dashboard by tapping the mini-Dashboard in the lower-right of the screen. Find out what the icons mean and more in "Dashboard" on page 18.

What is the round circle at the bottom of the screen?

The WWWW Spot is a convenient place to share with your contacts. To use the Spot, drag & drop contacts, photos, videos, Web links into the Spot, tap the Spot to open it, then select **Upload** (to a social network Web site) or **Send** (via Email or MMS) to share. Read more in "Share with the Spot" on page 17.

Is there a way to quickly launch an app I recently used?

When you tap **Recent** (in the lower left of the screen), a window opens that displays the last four apps you used. Tap one of the apps to open it. If you have an unread message, the Messages app will be there, with an unread message count. Read more in "Recent apps & messages" on page 19.

Can I customize my Home screens?

Yes, you can customize quite a lot:

- Rearrange the order of items on the Apps screen and Favorites screen. Read more in "Rearrange Apps and Favorites" on page 17.
- Assign a wallpaper that will appear on the screen when locked. Read more in "Screen lock" on page 24.
- Choose sounds to assign to individual contacts (read more in "Create a new contact on your phone" on page 32). You can also choose sounds for incoming calls, notifications, and alerts (read more in "Sound" on page 23).
- Choose a theme for your phone that changes the look & feel. Read more in "Themes" on page 23.

How do I search for an email or contact on my phone?

From the Home screen, start typing to open the Search box. Or, you can press the Search key on the keyboard. Read more in "Search key" on page 13.

MANAGE YOUR HOME SCREEN CONTENTS

Update your status on the Loop

To post a new status message, simply tap the status to open it for editing. When finished, tap post.

Note: You can type two lines of status.

Rearrange Apps and Favorites

You can change the position of apps or contacts on the Home screen:

1 From the Home screen, go to the Apps or Favorites Home screen.
2 Touch & hold the app or contact you want to move to enter edit mode.
3 Drag it to its new position, then release your finger once the item is in the position you like.
4 Tap the screen again to exit edit mode.

Add feeds to the Home screen

The feeds that are shown on your Home screen are those you've tagged as "favorites" in the Feed Reader app.

1 On the Apps Home screen, tap Browser.
2 Navigate to the page with the feed you want to add.
3 Tap the feed you want to add.
4 Once you've subscribed to at least one feed, tap **Favorite** to add it to your Favorite feeds screen. Now this feed will appear on the Home Feeds screen.

Add contacts to Favorites

To add a contact to the Favorites Home screen, tap the plus sign (+) in an empty Favorites slot to open a list showing all your contacts. Select a contact to make it a favorite and add it to the Favorites Home screen. Read more in "Add contacts to Favorites" on page 35.

SHARE WITH THE SPOT

Using the Spot

Put everything you want to share in the Spot, including the contacts you want to share with. After you drag contacts, photos, etc. into the Spot, then tap **upload** or **send**, to share.

You can add the following types of items to the Spot:

• Contacts
• Photos
• Videos (non-DRM)
• Feed stories (from the Home Feeds screen and the Feed Reader app)
• Web clips
• "Near me" search results
• Web search results

You can only drag items from their primary locations; you can't drag them from places where they may be embedded. For example, you can drag photos from the Camera screens, but not from an email message attachment.

Share items

To share any of the items listed above, do the following:

1 Touch & hold any item until it lifts and the Spot expands ⬤.
2 Drag the item into the Spot.
3 Drag the contacts you want to share with into the Spot as well. You can tell if the Spot has any contents or not from its appearance:

⬤ Spot with no content.

⬤ Spot with content.

4 Once you have items in the Spot to share, open the Spot by tapping it.
5 Select either **Share** (to send via email or MMS) or **Upload** (to upload to a social network).
6 While sending, the Spot will change appearance and indicate activity ⬤.

Note:

• You can drag up to 51 items into the Spot.
• If you try to add the same item more than once, only one item will be placed in the Spot.

Empty items from the Spot

You can remove one or more items from the Spot by doing the following:

• Remove an individual item by tapping the associated **X**.
• Remove all items by tapping **Empty**.
• All items are removed when they are uploaded or sent.

DASHBOARD

About the Dashboard

The Dashboard gives you important status information, plus allows you to control media play, if you have a song or video playing.

To open the Dashboard, tap the mini-Dashboard in the lower-right corner of the screen. The mini-Dashboard always displays the most relevant status information, depending on what you're doing.

Icons/indicators

You'll see the following icons, indicating various connectivity, date & time, sound, & alarm status.

📶	Network connection strength	✗📶	No network connection
3G	3G network connected	✗3G	3G network not connected
▲	Roaming outside home network	✈	Airplane mode is on
♺	Connected to the WWWW service	▨	Not connected to the WWWW service
✳	Bluetooth services are on	✳	Bluetooth services are off
📶	Wi-Fi network connection signal	📶	No Wi-Fi network signal
🔋	Battery empty | battery charging | Battery full	🕐	Alarm is set
⌨	TTY (text telephone) enabled	🔊	Telecoil enabled

Open settings

To open the settings associated with any of the Dashboard items, tap it. You can do this to open settings for wireless controls, time & date, alarm, and sound.

RECENT APPS & MESSAGES

To see the last four apps you've opened, tap **Recent** in the lower-left of the screen. To jump to one of those apps, simply tap it. Note that if you have unread messages, that app will appear as well with the number of unread messages noted.

To close the Recent pane, tap outside the pane or press the Back button.

GLOBAL SETTINGS

This chapter describes the settings that are not specific to individual apps. App-specific settings are described in the individual app chapters.

Most settings toggle on and off. Tap the setting to toggle:

Setting is **on**.

Setting is **off**.

WIRELESS CONTROLS

Airplane mode

Turn Airplane mode **on** to prepare your phone for flight, or when otherwise required, such as in hospitals. When Airplane mode is **on**:

- All radios on the phone are turned off, including Wi-Fi, phone, location services, FM radio, and Bluetooth. (When you later turn Airplane mode **off**, the previous settings for all the radios are restored.)
- You can turn Wi-Fi back on.
- You'll see this icon ✈ in the mini Dashboard and full Dashboard.

Wi-Fi

Turn Wi-Fi **on** to see a list of networks within range. Tap a network to connect to it. If required, you'll be prompted to type a password. Networks secured with passwords display a padlock icon next to their signal strength.

Once you're connected, the connection status will display below the setting name and the Dashboard will display your connected signal strength 📶.

<insert illustration>

You can manually connect to a network by tapping **Other**.

Bluetooth

Turn Bluetooth **on** to start Bluetooth services. When Bluetooth services are on, the Dashboard will display this icon ✷. Your phone is automatically set to "discoverable" when you have the Wireless Controls screen open and Bluetooth services are on.

Profiles

Your phone supports the following Bluetooth profiles:

- HSP (Headset Profile) – Allows connections to Bluetooth headsets.
- HFP (Hands Free Profile) – Used by car kits to communicate with the phone while in the car and by headsets.
- PBAP (Phone Book Access Protocol) – Used by car kits (as well as other Bluetooth devices) to exchange Phone Book items and would support the car kit displaying the name of the incoming caller, for example
- A2DP (Advanced Audio Distribution Profile) – Allows high quality audio to be streamed from the phone to another Bluetooth device.

Connect to a Bluetooth device

When Bluetooth services are on, all supported devices within range are displayed in a list. Previously-paired devices are shown at the top of the list and the closest device will connect automatically.

<insert illustration>

Make sure your Bluetooth is device is on and discoverable before trying to connect. If your device is ready and you don't see it in the list, tap **rescan for devices**.

1 Tap a device in the list to pair, then connect with your phone. Your phone will automatically try the PINs 0000, 1111, and 1234, but, if prompted, type the PIN (a PIN will always be required) and tap **pair**. If you are prompted to create a PIN, use at least eight characters. If you've previously paired with this device, it will try to connect immediately. If a connection request comes in to your phone, you'll receive a message
2 Once connected, you can use your phone to make/receive calls and to listen to music or video.
3 You can **disconnect** , **unpair**, or **forget** a device by selecting it. To switch from the Bluetooth device to the handset during a call, go to Wireless Controls and disconnect the device.

Notes

- The phone does not support support Bluetooth OBEX profiles.
- The QDID issued by the Bluetooth SIG (Special Interest Group) for this phone is B014849.

Data roaming

Turn **on** to allow your phone to roam outside your home network for data connections.

Note: If you turn on data roaming, you may be charged extra when roaming.

PHONE

You can control certain calling features on your phone from the **Global settings** > **Phone** screen:

Roaming options	If you want you phone to roam for calling and text/MMS messages, turn on roaming. When **on** you can choose from the following specific options: • **Preferred networks only** - When your mobile operator's network isn't available, you can roam on one of the operator's preferred networks. • **Available networks (channel a)** - You can roam on any available network. • **Available networks (channel b)** - You can roam on any available network. **Note:** Check with your mobile operator to find out if you'll be charged extra for roaming.
Phone shortcuts	To use phone keyboard shortcuts, turn **on**. Keyboard shortcuts are shown in "Can I use the keyboard to control my call?" on page 43.
Voicemail number	Tap to set or change your voicemail number.
Auto-download MMS	Turn **on** to have MMS messages downloaded automatically. If you turn this setting off, messages will download only when you open them by tapping.
TTY	Turn **on** if you plan to attach a TTY device to your phone for making and receiving phone calls. While this setting is on, you won't be able to hear any audio during a call, so if you want to make a regular call, with audio, be sure to have this setting **off**. **Note:** Cellular-ready TTY devices have a 2.5mm audio jack, but the phone's jack is 3.5mm, so you will need an cable adapter when using a TTY device with the phone.
Telecoil	Turn **on** if you plan to use a telecoil device with your phone.

THEMES

Control the colors on the phone screens and set a photo for your lock screen from the **Global settings** >**Themes** screen:

Theme	To change the color accents on the phone screens:
	1 From **Themes**, tap a theme from the list that appears.
	2 Before a new theme can be set, your phone must restart. Tap **ok** at the prompt.

SOUND

Control the sounds on your phone from the **Global settings** > **Sound** screen:

Vibrate	Turn **on** to have your phone vibrate along with a sound. If you have ringer, voicemail, or messages set to **No sound**, then your phone **won't** vibrate.
Ringer	To set the ringtone for an incoming call, tap **Ringer** and choose a sound from the Sound selector.
Voicemail	To set the ringtone when you receive a new voicemail, tap **Voicemail** and choose a sound from the Sound selector.
Messages	To set the ringtone when you receive a new text or MMS message, tap Messages and choose a sound from the Sound selector.
System sounds	Turn this setting **on** to hear a sound when you type, tap the screen, slide the screen open, or press the Back button. System sounds never vibrate.

ABOUT YOUR PHONE

View the following information about your phone from the **Global settings** > **About your phone** screen:

- Your phone number
- Version numbers of software/firmware/radios
- Phone model

There are also links to:

- **Legal** - Tap to read the WWWW Terms of Service.

- **Privacy** - Tap to read the WWWW Privacy Policy and turn **Automatic reporting** on or off - When this setting is on, reports are automatically send to Microsoft when serious software errors occur on your phone.
- **Erase phone data** - Tap to erase all your personal data from the phone. This is a drastic measure as it erases all your sign-in information, contacts, favorites, photos, videos, music, and messages from your phone. You will be asked to confirm.

DATE & TIME

Control the date & time displayed on your phone from the **Global settings** > **Date & time** screen:

24-hour time	Switch to 24-hour time display by turning **on** the 24-hour clock setting.
	When you display the time in 24-hour time format, the day runs from midnight to midnight and is divided into 24 hours, numbered from 0 to 23 (no AM or PM is necessary). So 3:25 PM would be displayed as 15:25 in 24-hour time format.
Auto-set	By default, your phone will "auto-set" (get date & time from the network). If you want to set your date & time manually, turn Auto-set **off**. Then you'll be able to set the time zone, date, and time manually.

SCREEN LOCK

Screen lock is a feature that protects your phone's buttons and screen from being pressed accidentally while your phone is in your pocket or bag.

- **To lock your screen immediately,** press & hold the power on/off button. (Set an automatic screen lock by following the instructions in "Auto-lock" on page 24.)
- **To unlock,** slide open the screen; or press the Back button then peel back the lock screen wallpaper. If you just want to check the time or see your wallpaper, press the Back button.

Control your screen lock and security settings from the **Global settings** > **Screen lock** screen:

Auto-lock	If you want your screen to lock automatically after a set period of time, use this setting. You can choose from: **1 min**, **5 mins**, **15 mins**, and **never**.
	Note: The lock screen always displays in portrait orientation.

PIN & security	**PIN lock** - For extra security, you can require that a PIN must be typed before the screen unlocks. Tap the **PIN & security** setting, then turn PIN lock **on**. Note that if you can't remember your PIN, you can still place an emergency call by tapping **emergency call**. You'll have 10 attempts to retry your password, before your phone data is erased.
	Set/change PIN - Once you turn PIN lock **on**, tap **Set PIN** to type a PIN (must be four digits). You'll be asked to type it again to confirm. Once you've set a PIN, you can change it from the PIN & security screen by tapping **change pin**. Note that once you set a PIN, you'll have to type the PIN before you can change any of the PIN lock settings.
	Message display - By default, new message notifications will pop up when your screen is PIN-locked, revealing new message text. If you want to hide the text in new message notifications during screen lock, turn this setting **off**.
	Time to auto-lock - If you've set PIN lock on, then you can override the main auto-lock setting by selecting a timeout from: **immediately**, **1 min** (default setting), **5 mins**, **15 mins**.
Auto-brightness	Turn auto-brightness **on** to conserve battery power. When **off**, you can adjust the brightness manually, from **Min** (dim) to **Max** (bright).
	Note: The backlight on your screen will automatically dim after 30 seconds. (You can't adjust this setting.)
Wallpaper	To set your lock screen background (wallpaper):

1 Select **Wallpaper** to go to the Camera app.
2 Either capture a new photo or select a photo from any of the Camera screens.
3 Once you've either captured or selected a photo, you can crop it (drag & stretch with your finger tips).
4 Tap **Set**.

You can also change your lock screen wallpaper by starting in the Camera app:

1 From the Home screen, slide your finger right to view Apps.
2 Select **Camera**.
3 Navigate to the screen that shows the photo you want to assign as wallpaper.
4 Select the photo to view it full-screen, then select **More > Wallpaper**.

LOCATION

Some apps, such as Camera, Search, and Browser, will apply your physical location if you allow it. For example, the Camera can add location information (geotags) to your captured photos and videos. (Read more about geotagging in "What is a geotag?" on page 58.)

Control the use of your location from the **Global settings** > **Location** screen:

Location services   Turn on if you want any of the apps to use your location. Tap **Learn more** to read about location services in detail.

> **Note:** Even when you have location services turned off, if you call emergency services, the operator **will** have access to your phone's location.

App location settings   Once you have location services turned on, you'll be able to control individual apps' access to your location. Select from:

- **Allow** - App will always have access to your location and use it when needed.
- **Ask** - Each time an app wants to use your location, you'll first be asked for permission. You can choose to **Allow** or **Deny** each time you're asked.
- **Deny** - Apps will not be able to use your location unless you come back to this setting and tap either **Allow** or **Ask**.

Note: Your wireless phone can determine its (and your) physical, geographical location ("Location Information"). Certain software applications are capable of accessing, collecting and using Location Information and disclosing the information to the application provider and other people. You should use caution and discretion when determining whether or not Location Information should be made available to them. To limit potential unauthorized access to your Location Information, Verizon Wireless phones are preset to "E911 ONLY", which will only allow authorized emergency response personnel to locate you if you dial 9-1-1 from your wireless phone. By changing the setting on the phone to "LOCATION ON" you are enabling third party access to Location Information through software, widgets, or peripheral components you choose to download, add, or attach to your wireless phone. Verizon Wireless encourages you to check your wireless phone periodically and only use software, widgets and peripheral components that are obtained from reliable sources. When you use your mobile browser or other services and applications, you authorize Verizon Wireless to collect, use, and disclose your Location Information as appropriate to provide you with any location services that you enabled. Verizon Wireless does not retain Location Information longer than necessary to provide the services to you. We will not knowingly disclose your Location Information to third parties without your consent. You should carefully review the privacy policies of application providers and third parties who you allow access to your Location Information, and you should know that significant risks can be associated with disclosing your Location Information to others.

LANGUAGE

Control the language that displays on your phone from the **Global settings** > **Language** screen. All the languages available to you are displayed on this screen.

1 On the Languages screen, tap the language you want to use.
2 Before a different language can be set, your phone must restart. Tap **ok** at the prompt.

ACCOUNT SYNC

Depending on your service plan, the data you save on your phone will be backed up and synced to WWWW.com.

Control how your data is backed up and synced from the **Global settings** > **Account sync** screen:

Auto-sync	Turn **on** to sync your data automatically. If you turn auto-sync **off**, then you will have to tap **Sync now** whenever you want to sync your data. This setting is on by default.
Phone account	If for some reason your WWWW account password has been changed (outside the phone, such as on the Web), you may need to re-type your password in the password box to authenticate your phone with the WWWW service. You'll know you need to type your password if it's blank. After you type your password, tap **Save password**.

UPDATES

Every so often your phone's software or firmware will require an update. Updates are delivered over-the-air and require three steps: download, installation, phone restart.

Note: Updates are free as long as they download via your mobile operator's network or Wi-Fi.

Control how your phone is updated from the **Global settings** > **Updates** screen:

Check for available updates	Tap **Check now** to see if there are any updates available for your phone. If an update is available, you'll be prompted to install it. You can install it right away, or choose to wait. Download and installation happen in the background, but a restart will interrupt what you're doing.

Auto-update   Turn auto-update **on** if you want updates to download and install automatically. This setting is **off** by default.

Note: With this setting **on**, updates will download and install automatically, but your phone will not restart without prompting you. You'll be able to restart right away, or choose to wait.

CONTACTS

ABOUT CONTACTS

What contacts can I store on my phone?

The contacts on your phone can come from:

- **Phone contacts** that you've imported from your SIM card or created either on the phone or in the WWWW Studio.
- **Exchange contacts** that are associated with a corporate Exchange account that you've set up on your phone using the Email app. (Read more in "Set up an email account" on page 50.)
- **SNS (social network site) friends** from social networks that you're signed in to on your phone.

<insert annotated screenshot here>

How do I get to my contacts?

You can get to your contacts in a couple of ways:

- From the Home screen, slide your finger left to go to Favorites. Tap **All Contacts.**
- From the Home screen, slide your finger right to go to the Apps screen. Tap **Contacts.**

Once you're on the All Contacts screen, you'll see a list of all your contacts. Slide your finger left or right to pan through different lists. Each screen has a specific purpose. Here's an overview of how to use each of the Contacts screens.

SCREEN	USE TO
All Contacts screen	**Find a contact fast.** • Use - Search all of your contacts quickly from this list, which includes everybody. Displays SNS status messages, when available. This is the place to view Exchange contacts and those you created on the phone or WWWW Studio. • Location - Contacts > default landing screen (furthest screen on the left). • Sort order - Alphabetical (A-Z) by first name.

SCREEN	USE TO
SNS (Social Network Site) Friends screen	**Catch up with friends.** • Contents - See what you're friends are posting by using this list. Each social network you're signed in to displays in a separate screen. View your SNS friends' latest status messages. Tap a friend to post a comment to their site. Read more in "Sign in to a social network" on page 32. You must be signed in to a SNS to view these friends. • Location - Contacts > to the right of All Contacts. • Sort order - Favorites contacts first, by latest updated status message; then other contacts by updated status time.
Phone Book screen	**Call or text.** • Contents - Lists only contacts with phone numbers. Handy for a quick text or call. If a contact has more than one number stored, the first number is displayed on this screen. You can get to the **Call Log** from the Phone Book menu. • Location - Contacts > furthest screen on the right. • Sort order - Alphabetical (A-Z) by first name.

What are contact cards?

Each contact on your phone has at least one "card" that contains information about that person (email address, phone numbers, photo, etc.). Contacts can have more than one contact card. For example you might have a friend from a social network site with an SNS Friend contact card; you might also have created a contact card for that friend. You can "link" the cards together so when you find one card for that friend, you'll find the other. Read more in "What does it mean to link contact cards?" on page 30.

You can edit cards you've imported from a SIM card or created on the phone or Web, but you can't edit SNS contact cards directly. When viewing an SNS card, if you tap **Edit**, a new, linked card will be created. Read more in "What does it mean to link contact cards?" on page 30.

What does it mean to link contact cards?

If one of your contacts has more than one contact card (e.g., one created by signing in to a social network, one that you've created on your phone, and one created using information from an Exchange account), you can link the cards together so they'll all appear when you view that contact. Each card appears in its own screen; just slide your finger to the left or right to view the linked cards. Read more in "Link/unlink contact cards" on page 34.

How do I add more information to a SNS contact card?

If you have a SNS contact who hasn't shared any personal information online (phone numbers, email addresses), then you can add that information by tapping **Edit** on the contact's SNS card. The information you add will actually be saved on a new card, which is automatically linked to the SNS card.

Read more in "Add a contact" on page 31 and "Link/unlink contact cards" on page 34.

Can I create a group of favorite contacts?

Yes. You can tag 51 contacts as favorites, which makes them part of your "Favorites". These contacts appear on the right-hand Home screen. Note that linked cards count as one favorite.

Read more in "Favorite contacts" on page 34.

How do I back up my contacts?

- SNS contacts - All the information on a contact's SNS card is stored on and backed up by the social network site.
- Phone contacts - Contact information you've created on your phone is automatically synced to the WWWW Studio and saved there. This includes any information you've added to a social network contact that has been saved to a new, linked contact card.
- Exchange - Exchange contact information is backed up to the Exchange server during sync.

Read more in "Syncing your contacts" on page 37.

MANAGE YOUR CONTACTS

Add a contact

There are several ways to add contacts to your phone. **Note:** When adding a contact or editing an existing contact, be sure to tap **Save** before navigating away from the card, or you'll lose your unsaved additions or changes.

Sign in to a social network

When you're signed in to a social network on your phone, all your contacts from that network are available in the Contacts app. View them from either the All Contacts screen or one of the social network contacts screens. These screens are displayed to the right of All Contacts; each social network you're signed in to will display on its own screen.

To sign in to a social network:

1 From the Home screen, slide your finger left to view Favorites, then tap **All Contacts**. (Alternatively you can go to the Apps Home screen and tap **Contacts.**)
2 From the All Contacts screen, tap **Accounts**.
3 The Social Networks sign-in screen appears. Tap the social network you want to sign in to.
4 Type your username and password, then tap **Save**.
5 Once you've signed in successfully, your contacts and/or feeds will download to your phone, as applicable.

Set up an Exchange email account

To have your Exchange contacts appear on your phone, first go to the Email app and set up your Exchange email account. Read more in "Set up an email account" on page 50.

Once your Exchange email account is set up and your information has synced, your contacts will appear on your phone in the All Contacts screen.

Create a new contact on your phone

1 From the Home screen, slide your finger left to view Favorites, then tap **All contacts**. (Alternatively you can go to the Apps Home screen and tap **Contacts.**)
2 Tap **New** to open a new contact card. If you've set up an Exchange email account, a submenu will open and you'll have the option to create a **Phone contact** or an **Exchange contact**.
3 Add the contact's information.
   • When you add phone numbers to a contact card, add the area code + the 7-digit number.
   • To associate a specific sound (ringtone) to this contact, tap **Sound** then choose a sound from the selector that appears.
4 When finished, tap **Save.**
5 Your contact is added to the All Contacts screen. To have your contact appear on Favorites, tap the contact to open their card, then tap **Favorite**.

Add a contact from the Call Log	1 From the Home screen, slide your finger right to view Apps.
	2 Tap **Phone**.
	3 Slide your finger left to view the **Call log**.
	4 Find the entry you want to save and tap **Save**.
	5 Tap **New contact**, or tap an existing contact to add this number to their info.
	6 If you're creating a new contact, complete the contact info.
	7 When finished, tap **Save**.
Add a contact from the Dialer	1 From the Home screen, slide your finger right to view Apps.
	2 Tap **Phone**.
	3 Type the new contact's number in the number field.
	4 Tap the **+** sign to the left of the number.
	5 From the list that appears, tap either **New Contact** or one of your existing contacts.
	6 The phone number's added automatically. Type more information if you want, then tap **Save**. You're returned to the Dialer.
Add a contact after making a call	1 After ending a call, tap the **Add contact** button.
	2 From the list that appears, tap either **New Contact** or one of your current contacts.
	3 The phone number is added automatically. Type more information if you want.
	4 When finished, tap **Save**.

Edit a contact card

1 From the Home screen, slide your finger left to view Favorites, then tap **All contacts**. (Alternatively you can go to the Apps home screen and tap **Contacts**.)
2 Tap the contact's name from the list to open their contact card. Find a contact quickly by typing the name in the search box on the top of the screen.
3 Tap **Edit** to open the contact for editing and make your changes.
4 When finished, tap **Save**.
   Note: Although you can't edit a contact's SNS contact card directly, you can add info to that contact by tapping **Edit**. This effectively creates a new card and, after you tap **Save**, the cards will be linked.

Delete a contact card

You can only delete contacts you've imported from your SIM card or added from your phone or the WWWW Studio.

1. From the Home screen, slide your finger left to view your Favorites. If your contact is in Favorites, tap the contact. Otherwise, tap **All contacts**, then tap your contact to open their contact card. (Alternatively you can find your contact by going to the Apps home screen and tapping **Contacts**.)
2. Tap **More** > **Delete**.
3. You'll be asked to confirm before your contact is deleted.

Link/unlink contact cards

If you have more than one contact card for the same person (e.g., an SNS card plus a card you created on the phone), you can link the cards. When you search for a contact, all their linked cards will be found.

1. From any of the contact lists, open a contact card.
2. Tap **More** > **Contact linking** to open the Linked Contacts list.
3. Currently-linked contacts are shown at the top of the list.
   - If you want to unlink any of the currently-linked contacts, tap **Unlink**.
   - Tap **Link another** to open the list of contact cards.
   - Contact cards with similarities are shown under **Linking suggestions**.
4. Tap the contact card you want to link, then tap **Done**.

When you search for and find a contact, each linked card will appear on its own screen. The first screen will display any card you created on the phone, then any Exchange card, then any SNS cards.

Notes:

- You can't link the same contact to more than one set of linked contacts.
- Each editable linked card will have its own edit button; edits to one card won't affect the other linked cards. (Only phone and Exchange cards are editable.)
- When you add a card to Favorites, all its linked cards will be automatically added to Favorites as well, but they will appear only once.
- Linked contacts appear only once in each contact list.
- If you unfavorite a contact, all the associated contact cards will be removed from Favorites as well.
- If you delete a contact with linked cards, only the card you delete will be removed. The other linked cards will remain on your phone.

FAVORITE CONTACTS

You can add up to 51 contacts to Favorites. Favorites appear on the right-hand side of your Home screen. Scroll down to view the full list of favorite contacts. Any feeds updated by a contact who is part of Favorites will appear at the top of the Loop.

Here's how to manage your favorite contacts:

Add contacts to Favorites   From the Favorites Home screen:

1 Tap the plus sign (+) in an empty slot to open a list of all your contacts.
2 Tap the contact you want to add as a favorite. To jump to a contact in the list, start typing the contact's name.
3 The contact now appears on the Favorites Home screen.

From any contact list:

1 Tap the contact you want to add as a favorite.
2 Tap **Favorite**.
3 Your contact is added to Favorites. You can always reposition this favorite contact. Read how in "Change a contact's position on Favorites" on page 35.

Remove contacts from Favorites

1 From any contact list, tap the contact you want to remove as a favorite.
2 Tap **Unfavorite**.
3 Your contact is removed from Favorites.

Tip: To remove multiple contacts from Favorites, two-finger tap the Favorites screen to enter edit mode and reveal the **X**s. Tap an **X** to unfavorite a contact. Two-finger tap the screen again to exit edit mode.

Change a contact's position on Favorites

1 From the Favorites screen, two-finger tap the screen to enter edit mode.
2 Touch & hold a contact until the contact expands.
3 Without lifting your finger, drag the contact to the position you want, then release.
4 Two-finger tap again to exit edit mode.

Note: You can drag a contact to an already-filled position; if you do, the contact in that spot will move down the list.

CONTACT CARDS

From a contact card, you can:

Update your status	1 From your own contact card, slide your finger left to view your social network screen. 2 Tap the status text box and type your status. 3 Tap **Share**. **Note:** You can also update your status directly from the Loop.
Call or text	From the Home screen, slide your finger left to view Favorites. • If your contact is a favorite, they will appear on this screen. Tap the contact to open their contact card, then tap **Call** at the top of the screen, or scroll down and tap a different number. To text, scroll down and tap **Text**, across from the number. • If your contact is not part of Favorites, tap **All contacts**, then slide your finger left to view the Phone Book screen. Tap your contact from the list , then tap the number to place the call, or tap **Text** to send a text message.
Write an email	1 Find the contact from either the Favorites screen or the All Contacts screen (see above). 2 Tap the email address you want to send an email to. A compose screen opens with that address in the To field.
Map address	1 Find the contact from either the Favorites screen or the All Contacts screen (see above). 2 Tap a street address to map it using the Browser.
Open Web site	1 Find the contact from either the Favorites screen or the All Contacts screen (see above). 2 If your contact has a personal Web site, tap the URL to open it using the Browser.
Comment on friends' page	1 Find the contact from either the Favorites screen or the All Contacts screen (see above). 2 Go to your friend's social network card. 3 Tap the comment text box and type your comment. 4 Tap **Share**.

FIND A CONTACT

Find a contact from anywhere on your phone

1 Press the Search key on your phone's keyboard.
2 Type the name or number of the contact you want to find.
3 As you type, the matches appear in the My Phone screen.
4 When the contact you're searching for appears, tap the contact to open their contact card.

Find a contact from the Contacts app

1 You can search any of the contact lists: All Contacts, Phone Book, or SNS Friends. (From the All Contacts screen, keep sliding your finger left to view the other lists.) The search will be limited to the list you're viewing.
2 Start typing the name (first, middle, or last) or the phone number of the contact you want to find. The search box will appear as soon as you start typing.
3 The list of contacts resolves to the letters or numbers you've typed.

SYNCING YOUR CONTACTS

The contacts you create on the phone and import from your SIM card are automatically backed up (synced) to the WWWW Studio. Contacts you create on the WWWW Studio are also synced to your phone.

Your SNS friends and Exchange contacts are backed up and synced to their respective Web sites and servers.

FEED READER

ABOUT FEED READER

What are feeds?

Feeds are Web site updates that you can subscribe to in order to get frequently updated content. To read a feed you must have a program that aggregates content (also called a feed reader or news reader), such as the Feed Reader on your WWWW phone. When you subscribe to a feed, updates appear on your reader. Below is a screenshot of your WWWW phone's Feed Reader app. The All Feeds screen displays the feeds that you've subscribed to. On the screen to the right, you can view your Favorite feeds. Read more in "How do I subscribe to feeds?" on page 38 and "Favorite Feeds screen" on page 41 .

<picture of All Feeds, individual feed screens, and story viewer>

What types of feeds can I view on my phone?

Feeds can give you updates on news Web sites, blogs, the weather, your friends' status on social networks, even podcasts. You can subscribe to and view any kind of feed on your phone. Typically, feeds are grouped into:

- News (RSS/Atom) feeds
- Social network feeds (including your friends' status messages and photo stories)

<insert annotated screenshot here>

How do I subscribe to feeds?

To subscribe to feeds from Web sites, browse to a Web page, look for the Web feed icon 🔊 and tap the icon to add the feed to your phone's Feed Reader. If you favorite a page with feeds on it, you'll be given the choice to add the page to favorites, pin to the Apps page, or add the feeds on this page to the Loop.

You don't need to subscribe to feeds from social networks if you are signed in to the social network from the phone. When you are signed in to a social network, the social feeds from your friends (including sites you're a fan of) will automatically appear in the All Feeds and Favorites screens of your Feed Reader, as well as in the Loop.

How can I remove a feed from my phone?

You can unsubscribe from a feed from the individual feed screen by tapping **More** > **Unsubscribe**. Note that you can't unsubscribe from a social network feed, but you can unfavorite them.

How do I make a feed appear on my Home screen?

Feeds that appear on your Home screen are all favorite feeds. When you add (subscribe) to a Web feed, it's tagged as a favorite automatically, so will appear on your Home screen. Social network feeds are favorited automatically as well.

You can always unfavorite a feed to remove it from the Home screen, in which case it will appear on the All Feeds screen. Read more in See "Favorite/unfavorite feeds" on page 40..

How can I tell if I have unread feeds?

On the All Feeds screen there will be a number indicator next to the feed source if you have any unread feed stories. On the individual feeds screens, unread stories are indicated with a colored bar along the left.

How often are the feeds updated?

In general, every time you go to the Feed Viewer, all your feeds are updated. However feeds are not updated more often than every 15 minutes. If you want to update the feeds more frequently, tap **Refresh**.

Individual feeds are updated when you select a feed, but not more than every five minutes.

Can I share stories with my friends?

Yes. When reading a feed story, you can also share the story using the Spot. Read more in "Share a story" on page 41. You can also share stories from the All Feeds and Favorites screens.

You can't share feeds, only individual feed stories.

ALL FEEDS SCREEN

The All Feeds screen displays all feeds that you're subscribed to. If there are unread stories in a feed, the number unread is noted in the feed title. To open a specific feed, simply tap the feed.

From the All Feeds screen, you can:

Add a feed	From the All Feeds screen, tap **Add** to go to the Browser. (You can also start from the Browser.) From there you can open Web sites that contain feeds. Look for the feed icon 🔶 and select it to add the feed. You'll be asked to confirm.
	When you sign in to a social network, all your social network feeds will appear automatically on your phone. They will also appear in the Favorite Feeds screen. Read more in "Favorite Feeds screen" on page 41.
Open a feed	To open a feed, tap it. All the stories in the feed are displayed. To read a specific story, tap the story. A summary of the story displays; to read the full story, tap the story again and you'll be taken to the Individual Story screen where the full story will display in your Browser or the photo viewer.
	For social network stories, if you open a photo story, the story will open in the photo viewer. If you open a non-photo social story, it will open either in the contact card of the author of the story, or in the Browser.
Refresh feeds	Tap **Refresh** to refresh all your feeds.

INDIVIDUAL FEEDS SCREEN

From the Individual Feeds screensyou can:

Remove a feed	You can remove (unsubscribe from) news feeds, but you can't remove a social network feeunless you sign out from that social network.
	To remove a news feed, tap **More** > **Unsubscribe**.
Favorite/unfavorite feeds	Tap **Favorite** or **Unfavorite** (depending on what you want to do) to add/remove the Web feed from the Favorites screen.
Refresh a feed	Tap **Refresh** to refresh the feed.
Read a feed story	Tap a feed story to open the Individual Story screen. From there you can open the full story in the Browser or photo viewer by tapping the story.

| Share a story | To share a story with a contact, touch & hold the story until it "lifts", then drag it into the Spot. |

INDIVIDUAL STORY SCREEN

When you tap a story on the Individual Feeds screen, the story will display in the screen. From this screen you can:

| Read more | Tap a feed story to open the full story in the Browser or photo viewer. |
| Share a story | To share a story with a contact, touch & hold the story until it "lifts", then drag it into the Spot. |

FAVORITE FEEDS SCREEN

If you've signed in to a social network, all your social feeds are automatically listed as a "favorite" feed.

All your favorite feeds display on the Favorite Feeds screen, as well as on the Loop. To remove a favorite from the Favorite Feeds screen or the Loop, you must "unfavorite" the feed on the All Feeds or the Favorite Feeds screen.

From the Favorite feeds screen you can do everything that you can do on the "All Feeds screen" on page 39, except you can also share a story from the Favorite Feeds screen. Read more in "Share a story" on page 41.

PHONE

ABOUT THE PHONE

How do I use my phone for calls?

The Phone app has two screens:

- **Dialer** - Go here to make a call. There is a Phone button in the keyboard. Press it to open the dial pad. There's a shortcut to call voicemail in the Dialer.
<illustration of dialer>
- **Call Log** - Go here to see a list of incoming, outgoing, and missed calls, with shortcuts to text or call the number. You can get to the Call Log from the Dialer (slide your finger left to view it).

You can also make calls from a contact card. Read more in "Contact cards" on page 36.

<insert annotated screenshot here>

Can I import contacts from my computer or my social networks?

Yes. Contacts you store on your computer in Outlook will sync to your phone if you set up an Exchange email account. Read more in "Set up an email account" on page 50.

Your social network friends will be available on your phone once you sign in to the social network from your phone. Read more in "Sign in to a social network" on page 32.

What does the "flash" button do?

When you're in a call, press **Flash** to put the call on hold. Press **Flash** again to resume the call. You also use **Flash** to swap calls if you have one call on hold while speaking to another caller. If you are setting up a conference call, use the **Flash** button to merge the calls.

Can I control a call with a headset?

You can use the stereo headset that came in the box with your phone, which has a contol button. Pressing the control button will either send or end a call, depending on the current status of the call.

If you're using a premium headset with three contol buttons, use the outer buttons to control volume. Press the middle button to control calls:

- One press - Ends the active call.
- If a second call comes in, press once to put the active call on hold and answer the incoming call.

- Press once to end an active call and resume a call on hold.

Caution! If you think you'll be using the phone while driving, insert the headset or pair your Bluetooth headset **before** starting to drive.

Do I have to worry about touching the screen with my face during a call?

No. While you're on a call, the phone detects the proximity of your face and locks the screen. Specifically, when anything is detected to be within about three centimeters of the screen, the screen locks. The screen unlocks when you move away from it.

Can I use the keyboard to control my call?

Yes, but you must have **Phone shortcuts** turned **on** (go to **Apps** > **Settings** > **Global settings** > **Phone**). With the setting on, you can use the following keyboard shortcuts while in a call:

Answer call	Enter key
End call	Backspace key
Place call	Enter key
Mute call	M key
Toggle speaker	X key
Flash call	F key

USING A BLUETOOTH DEVICE

Your phone supports the following Bluetooth 2.0 devices and earlier:

- Hands-free headsets
- Hands-free car kits

To use a Bluetooth device to make a call, do the following:

1 From the Home screen, slide your finger right to view the Apps screen.
2 Tap **Settings** > **Wireless controls**.
3 Scroll down to the Bluetooth section. Make sure the setting is **on**.
4 Turn your Bluetooth device on and put it in pairing mode, per the instructions in the device owner's manual.
5 Tap **Scan for devices**, then tap the device you want to use.
6 If you're prompted to enter a passkey, type it (refer to your device's owner's manual if necessary), then tap **Connect**.
7 Once you're paired, tap the device name and tap **Connect**.

8 Once your Bluetooth device reports it's connected, you are ready to use it for calls.

Read more in "Connect to a Bluetooth device" on page 21.

CALLING

Make a call

Place a call to an existing contact	**1** From the Home screen, slide your finger left to view the Favorites screen. **2** If the contact is part of Favorites, tap the contact, then tap **Call**. **3** If the contact is not part of Favorites, tap **All contacts**, then slide your finger left to view the Phone Book screen. Find your contact in the list and tap **Call**. Alternatively, for a contact who is not a favorite, go to the Home screen and start typing your contact's name.
Redial a number	If your call doesn't go through for any reason (the phone number is busy, you dialed an invalid number, or there is no service), you can redial the number by tapping **Call back** on the dialer screen.
Use the Call Log	**1** Press the Phone button on the keyboard; or, From the Home screen, slide your finger right to view Apps. Tap **Phone** to open the dialer. **2** Slide your finger left to find the Call Log. **3** Tap a log entry to call the number.
Call someone not in Contacts	**1** Press the Phone button on the keyboard; or, From the Home screen, slide your finger right to view Apps. Tap **Phone** to open the dialer. **2** Type the number your want to call, then press **Call**. **3** If your call doesn't go through for any reason (the phone number is busy, you dialed an invalid number, or there is no service), you can redial the number by tapping **Call back** on the dialer screen.

Add a number to Contacts **1** Press the Phone button on the keyboard; or,
From the Home screen, slide your finger right to view Apps. Tap **Phone** to open the dialer.

2 Type the number in the number field.

3 Tap the **+** sign to the left of the number.

4 Tap an existing contact from the list, or tap **New contact**.

5 When you've finished editing the contact, tap **Save**. Their contact card appears.

6 To call this contact, tap the phone number on their contact card.

Answer a call

When a call comes in, you'll always receive a notification on the screen.

<insert illustration of incoming call screen>

- To answer the call, peel back the lower-left corner of the screen (where **Answer** appears) by sliding your finger diagonally on the screen, lower-left to upper-right.
- To ignore the call and route it using your Phone settings, tap **Ignore**.
- To ignore the call and reply by text message, tap **Text**.

In-call options

Mute To mute your side of the conversation (mutes your microphone) tap **Mute** on the in-call screen. The button background changes color when selected.

Speaker To listen to your call using the speakerphone, tap **Speaker** on the in-call screen. The button background changes color when selected.

Volume control While on a call, you can increase/decrease volume by pressing either the + or - Volume buttons on the phone.

Place call on hold Press the **Flash** button to put the active call on hold. Press it again to resume the call.

Swap calls If you have one call on hold and are talking to another caller (the "active call"), you can swap the active call with the call on hold by pressing the **Flash** button.

Multiple calls

Conference calling   You can set up a conference with (up to) two other callers:

1 Make your first call from the Dialer screen, the Phone Book, or a contact card.
2 Once your call has connected, tap **Add call**. Your active call is put on hold and a list appears. You choose to **Dial new number**, or tap a contact from the list.
3 Tap the contact you want to add, or type the number in the dial pad and tap **Call**.
4 Once the call is connected, the in-call screen displays a **Flash** button. Tap it to merge all the calls.

Note: Once you've tapped the **Flash** button, no Caller ID information will be displayed. You'll see **Connected** at the top of the in-call screen.

Call waiting   If a call comes in while you're already on a call, you'll receive an incoming call notification. You can choose to **Answer** or **Ignore** the call, or **Text** the person back.

If you choose to answer the new call, the active call will be put on hold.

Note: To use this feature, call waiting must be part of your service plan.

End a call

To end a call, tap the **End** button on the in-call screen.

Tip: To add the number to your contacts, tap **Save contact** after the call ends.

VOICEMAIL

Voicemail notifications

1 When someone has left you a voicemail, you'll receive a notification.
   <insert illustration>
2 To retrieve your message, simply tap the notification to dial your voicemail number, then follow the voice prompts.

Call voicemail from the Dialer

1 From the Home screen, slide your finger right to view Apps.
2 Tap **Phone** to open the dialer.
3 Touch & hold the **#1** button, then follow the audio prompts.

Note: You can manually change your voicemail number from **Apps** > **Settings** > **Phone**. Read more in "Voicemail number" on page 22.

CALL LOG

The Call Log shows all incoming, outgoing, and missed calls. Missed calls appear in a color different from the others.

<insert illustration of call log>

To view your Call Log:

1 From the Home screen, slide your finger right to view Apps.
2 Tap **Phone** to open the Dialer.
3 Slide your finger left to find the Call Log.

You can do the following from the Call Log:

Call the number	Tap the log entry to call the number.
Send text to the number	To send a text message to a number in the Call Log, the number must already be saved on a contact card.
	1 Tap the **Text** button next to the number or name to open a conversation card.
	2 Type your message to compose, then tap **Send**.
	Read more in "Write a new message" on page 55.
Clear log entries	Tap **More** > **Clear log**. You'll be asked to confirm.
View only missed calls	Tap **More** > **Missed calls**.
	To view All calls again, tap **More** > **All calls**.
Call voicemail	Tap **Voicemail** to call your voicemail number. The number of voicemail messages is displayed in the menu in parentheses.

Save a contact from the log

1 Find the phone number you want to save.
2 Tap **Save**.
3 Tap an existing contact from the list, or tap **New contact**.
4 When you've finished editing the contact, tap **Save**. Their contact card appears.

PHONE SETTINGS

You can configure the Phone app from the Phone settings screen. From here you can:

• Set your roaming preference.
• Turn phone keyboard shortcuts on and off.
• Edit your voicemail number.
• Choose to automatically download MMS messages.
• Turn on TTY or telecoil functions.
  Note: When you have TTY turned on, no audio is routed through your phone. Be sure to turn off TTY to make regular phone calls, with audio.

To find your Phone settings:

1 Go to the Home screen, then slide left to view Apps.
2 Tap **Settings**.
3 On the Global settings screen, tap **Phone**.

Read more in "Phone" on page 22.

EMAIL

ABOUT EMAIL

What email account types can I use on my phone?

You can use any type of email account, including:

- Branded POP/IMAP email accounts: Hotmail, Gmail, Yahoo! Mail, AOL.
- Other POP/IMAP email accounts
- Corporate Exchange Server email accounts (Exchange contacts will also sync to your phone)

Read more in "Set up an email account" on page 50.

How many email accounts can I set up?

You can set up 10 POP/IMAP accounts. However, you're limited to setting up one corporate (Exchange) account.

What information do I need to set up an account?

You'll need the following information if you have one of the branded accounts (Hotmail, Gmail, Yahoo! Mail, AOL):

- Your username - The first part of your email address
- Your password - The password you use to sign in to your account.

For other POP/IMAP accounts you'll also need:

- Incoming server name - This is typically "pop.domain.com".
- Outgoing server name - This is typically "smtp.domain.com".

For Corporate (Exchange) accounts you'll also need:

- Hostname - This is the Outlook Web Access (OWA) server name. Ask your company's tech support for help if you don't know the name.
- Domain - Ask your company's tech support for help if you don't know your domain.

What's the limit on attaching photos or videos to an email message?

You can attach up to 20 items, totaling no more than 10 MB.

After I set up an email account, where can I see my messages?

Each email account you set up will have its own screen. From the Email app, slide your finger left to view each Inbox in turn. The first account you set up will display in the first screen, the next account will display in the screen immediately to the right, and so on for each account you add.

After you set up an email account, the last 3 days of messages will download to your phone. You can view the messages in the account's Inbox. (To sync more than 3 days of messages, tap **More** > **Settings** and change the **Days to sync** setting.)

<insert annotated screenshot here>

What types of email attachments can I view on my phone?

You can open and save these types of files attached to email messages:

- JPG image files
- MP3 audio files
- WMV, MP4, 3GP, 3G2 video files

Notes:

- You can't open or save the following file types:
  - BMP, GIF, PNG, or TIF images
  - PDF files
  - Microsoft Office Word/Excel/PowerPoint/OneNote files.
- Attachments must be under 10 MB in size to view and open on your phone.
- You can forward any attachment, even if you can't open or save it to your phone.

SET UP AN EMAIL ACCOUNT

1 Start from either:
   - **Home > Apps > Email > Add account** , or
   - **Home >Apps > Settings > App setup > Email > Add account**
2 Tap the type of email account you want to add. Tap **Other account** if you're not adding a branded account (Hotmail, Gmail, Yahoo! Mail, AOL).
3 On the screen that appears, type your account information.
   Notes on adding a corporate (Exchange) account:
   - First type your username and password. If the Exchange server can't be found automatically, you'll be asked to provide more information (hostname and domain).
   - If you must set up PIN lock to authenticate, you'll be asked to create a PIN.
4 When finished, tap **Done**, then wait a moment while you're signed in to the account.
5 The last 3 days of messages are downloaded to the account Inbox by default. To sync more than 3 days of messages, tap **More** > **Settings** and change the **Days to sync** setting.

INBOX SCREENS

Every email account you've set up is displayed on its own screen. After going into the Email app, slide your finger left or right to navigate the screens.

From the Inbox you can:

Read a message	Tap a message to open it for reading.
Write a new message	Tap **New** to open a compose screen. Then:
	1 Complete the **To** field by either tapping a contact from the list that appears, or by typing an email address.
	2 Tap **Type message** to open the text field and type your message. **Note:** If you want to add more recipients after typing your message, tap the **To** field.
	3 Add attachments from your Camera screens by tapping **Attach**.
	4 When ready to send, tap **Send**.
Save a message as draft	While writing a message, press the Back button and tap **Save** to save your message to the Drafts folder.
Discard a message-in-progress	While writing a message, press the Back button and tap **Discard** discard your message.
Delete a message	Two-finger tap the screen to enter edit mode and reveal the **X**s on each message. Tap an **X** to delete the associated message(s). Two-finger tap the screen again to exit edit mode.
Open folders	To view messages in other folders, tap **More** > **Folders**. A list of your account folders appears. Tap a folder to open it and view messages. Tap a message to read it. From there you can do everything listed in "Read Message screen" on page 52.
Sync messages (refresh Inbox)	Tap **More** > **Sync**.
Open Email settings	Tap **More** > **Settings**. Read more about settings in "Email settings" on page 52.

READ MESSAGE SCREEN

Once you open an email message, you can also:

Open and save photo attachments	Tap **Open** next to a photo attachment to preview it (or tap **Open all** below the attachments if you have more than one). Once the attachment is open, you can tap **Save** (or **Save all**) to save to your Camera's Captured screen.
	Tap the preview image to open it in full-screen view. If you want, you can save it to the Camera's Captured screen by tapping **Save**.
Reply to a message	Tap **Reply** to open a new message screen with the current message attached.
Forward a message	Tap **More** > **Forward** to open a new message screen with the current message attached.
Delete a message	Tap **More** > **Delete** to delete the message. If you have the setting **Ask before deleting** turned on, then you'll be asked to confirm before the message is permanently deleted. Read more in "Ask before deleting" on page 52.
Mark a message read/ unread	Tap **More** > **Mark unread/Mark read** to toggle the read state of the message.

EMAIL SETTINGS

To open the Email Settings screen, from any Inbox screen, tap **More** > **Settings**. In addition to setting up email accounts for viewing on your phone, you can do the following from Email settings:

Sync schedule	Tap this setting to set a schedule for syncing (refreshing) your email messages. The default setting is **Auto-sync** (every ???? minutes). If you don't want to automatically sync, then you can choose a **Sync frequency** from every 15 minutes, every 30 minutes, hourly, or manyally.
Ask before deleting	Turn this setting on if you want to confirm before a message is deleted from your phone.
Default email account	Tap this setting to select a primary (or default) email account. This setting only applies if you have set up more than one email account on your phone.

Days to sync	Choose how many days of messages you want downloaded to your phone. Options are 1 day, 3 days, 1 week, 2 weeks, 1 month, all.
	Note: This setting applies to all the email accounts you set up on your phone.
Signature	Tap this setting to set your desired signature, which will be automatically added to the end of each email message your write. If you've set a signature, it displays on the Settings screen as well.

MESSAGES

ABOUT MESSAGES

What kinds of messages appear in this app?

All your text, MMS, and voicemail messages appear in this one app, as well as missed and outgoing calls.

<insert annotated screenshot here>

What's a conversation card?

Every entry in the Messages Inbox is from a specific phone number. To see all the messages that were send to you and from you, tap the entry. What opens is called a "conversation card".

Will I be notified when I get a new message?

Yes, whatever you're doing on the phone, you'll see a notification pop up when you receive a new message. Simply tap the message to open the conversation.

What's the limit on sending photos and videos?

For sending photos or videos to a phone number via MMS, you can attach up to five photos or one video (you can't combine media types). The total size of any one MMS message is limited to 1.2 MB.

How do I decide whether to send something via text or MMS message?

You don't have to worry about it. Just compose your message and attach what you want to attach, and the right thing will happen. Basically, when you send a message that's just text, it travels by text; when you attach anything to your message, it goes by MMS.

Text messages are also known as SMS (Short Message Service) messages. Text and MMS messages are sent via the GSM mobile communication system, so most text and MMS messages are mobile-to-mobile.

MESSAGES INBOX

All your text, MMS, and voicemail messages appear in this one screen. Your messages are organized by phone number into "conversations". Conversations that have an unread messages display in bold with a colored bar along the left side of the conversation entry.

The last message you received or sent in the conversation is displayed in the conversation entry. To read all the messages in a conversation, tap the entry and the "conversation card" will open.

From the Inbox you can:

Make a call	If you have a conversation entry to or from a phone number, tap **Call** to dial the number.
Open a contact card	If the conversation is with one of your contacts, their photo is displayed. Tap the photo to open their contact card.
Call voicemail	Tap **Voicemail** to call your voicemail number.
Read a message	Tap the conversation entry to open the conversation card and read the entire message.
Write a new message	1 Tap **New** to open a new conversation card.
	2 Type the contact name or phone number in the **To** field. You can also just tap one of the contacts listed below the To field. To add more recipients, tap **More** and select **Add contact**.
	3 To add a photo, video, or other attachment (as applicable), tap **More** and select the attachment type. You can continue adding attachments up to the limit for your message type. **Note:** If you add a photo, you can navigate to the Capture screen and take a new photo. Any new photos attached to a message will also be saved to your Captured screen.
	4 Tap **Type message** to open the text box and type your message.
	5 When you're ready, tap **Send**.
Delete a conversation	To delete a conversation, two-finger tap the screen to enter edit mode and reveal the **X**s on each conversation. Tap an **X** to delete the associated conversation (s). Two-finger tap the screen again to exit edit mode.

CONVERSATION CARDS

To open a conversation card, tap the entry from the Inbox. From a conversation card you can:

Call a number	If your conversation is from or to a phone number, tap **Call** to dial the number.
Write new message	Read how in "Write a new message" on page 55.
Reply to a message	1 Tap **Type message** to reply.
	2 If you want to add another recipient or an attachment, tap **Add** and select from the submenu.
	3 When finished, tap **Send**.
Save new contact	If you're sending a message to someone who's not saved as a contact, tap the default photo in the entry to save the contact. If you choose to **save contact**, you can either create a new contact or add the information to an existing contact.
Save photo attachments	To save a message photo attachment, tap the attachment to open it in full-screen view, then tap **Save**. The photo is saved to the Camera > Captured screen.

Notes:

- If a photo is protected by DRM (Digital Rights Management), you will not be able to save or forward the photo.
- You can't save video attachments to your phone.

MMS SETTING

You can choose to have MMS messages downloaded automatically, or only when you open the message. To make this setting, go to **Apps** > **Settings** > **Global settings** > **Phone**. Read about it in "Auto-download MMS" on page 22.

CAMERA

ABOUT CAMERA

Where can I see my photos and videos?

The Camera is organized into these screens:

- **Capture** - The screen where you take your photos and videos.
- **Captured** - The screen that stores the photos and videos you captured on the phone, plus any images you've downloaded from the Web.
- **Favorites** - The screen that displays all the photos and videos you've "favorited".
- **Albums** - The screen that displays all the photos and videos you've imported to your phone from your computer, organized into albums, the same as on your computer.
- **Online** - The screen that displays the photo stories from your social networks.

<insert annotated screenshot here>

Can I upload a photo I've taken to my social network?

Yes, it's easy. Simply capture a photo, tap **Upload**, select your social network, and it's posted.

What are the specs on this camera?

The built-in camera is 8.0 megapixels (3280 x 2462), with a Dual/LumiLED flash, and 30 fps VGA (640 x 480) or High-D (1280 x 720) video, auto-focus, and anti-shake.

The camera supports the following resolutions and formats:

Photo - Large	8 MP	3280 x 2462	JPG
Photo - Medium	5 MP	2632 x 1976	JPG
Photo - Small	2 MP	1632 x 1224	JPG
Video - Best	High-D	1280 x 720	MP4
Video - Email	VGA	640 x 480	MP4

Are my photos and videos backed up?

Assuming your service plan includes this feature, photos and videos less than 10 MB are synced to the Web.

Does the camera use my location?

Yes, the camera will geo tag your photos, but you can control when your location is used to protect your privacy. Read more in "Location" on page 26.

What is a geotag?

A geotag contains location information (longitude, latitude, and altitude) that's stored as metadata in your photo or video. You must "allow" use of your location by the Camera app before geotags will be added to your captured media. You can "always allow" the use of your location from the Settings app, Location screen. Read more in "Location" on page 26.

How can I copy photos and videos on my computer to my phone?

You can easily add photos and videos to your phone by attaching your phone to your computer with the USB cable. Read how to do this in "Import photos and videos" on page 67.

What format are my captured photos and videos in?

Photos are captured to JPG format. Videos are captured to MP4 format.

CAPTURING PHOTOS & VIDEOS

Here's how to reach the Capture screen:

1 From the Home screen, slide your finger right to go to the Apps screen.
2 Tap **Camera** to open the Camera app.
3 Slide your finger right to view the Capture screen.

From the Camera screen, you can take photos (photo mode) and record videos (video mode) and then share them:

Zoom during capture   Digital zoom is supported In both photo and video modes, to 8x actual size. To zoom in, press the **+** volume button; to zoom out, press the **-** volume button.

Take a photo	1 On the Capture screen, make sure that the menu reads **To video** (you would tap **To video** to switch to video capture mode).
	2 Frame your photo and press either the Enter key, the Capture button, or tap **Capture** on the screen.
	3 Your photo appears and is automatically saved to the Captured screen just to the right.
Record a video	1 On the Capture screen, tap **To video** to go into video capture mode.
	2 Press either the Enter key, the Capture button, or tap **Capture** on the screen.
	3 Press either the Enter key or the Capture button again or tap **Capture** to stop recording.
	4 Your video appears and is automatically saved to the Captured screen.
Send a photo or video	After you capture a photo or video you can send it from the preview screen by selecting **Send**. Select from **MMS** or **Email** to open a compose screen with the media attached.
Upload a photo or video	After you capture a photo or video you can upload it to a social network from the preview screen by selecting **Upload**. The social networks you're sign in to will appear in the submenu for you to choose from.
Delete a photo or video	After you capture a photo or video, you can delete it from the preview screen by selecting **Delete**.

You can reach the photo and video settings screens from the Camera capture screen.

Photo settings

From the Capture Photo screen, select **Settings**. The Photo Settings screen opens, where you can manually adjust these settings:

Resolution	Choose from:

- **Large** - Full-size resolution, largest filesize and best quality (3280 x 2462).
- **Medium** - A compromise between the best and lowest quality (2632 x 1976). Good for sending and uploading.
- **Small** - The smallest filesize, but lowest quality (1632 x 1224). Best for sending and uploading.

Note: The currently-set resolution doesn't display on the capture screen, so if you temporarily change the resolution for a capture session, be sure to change it back.

Mode   Choose from:

- **Auto** - Automatically adjusts for correct exposure in the scene.
- **Night** - Lowers the shutter speed if possible, sets ISO to high, and turns up the gain on the sensor.
- **Burst** - Raises the shutter speed, turns off the flash, and enables burst capture. When you start capture in this mode, the camera will take five successive photos without flash and show the last image captured.

Flash   Choose from:

- **Auto** - Flashes when the camera senses the need.
- **Off** - Never flashes.
- **Always on** - Always flashes.

Geotags   Choose from:

- **Quick** - The current cellular triangulated location is added to your photo when you capture it. No overhead is added to the time to take a photo and your battery life won't be affected significantly.
- **GPS** -The current location is determined using the internal GPS and is added to your photo when you capture it. With this setting, more battery is used.

Lighting	Choose from:
	• **Auto** - Automatically senses the ambient light and adjusts.
	• **Home** - Adjusts to an incandescent light environment.
	• **Office** - Adjusts to a fluorescent light environment.
	• **Sunny** - Adjusts to a bright light environment.
	• **Cloudy** - Adjusts to muted light environment.

Video settings

From the Capture Video screen, select **Settings**. The Video Settings screen opens, where you can manually adjust these settings:

Resolution	Choose from:
	• **High quality** - Full-size resolution of 3280 x 2462.
	• **Email quality** - This is the quality level that is synced to the Web.
Light	Choose from:
	• **On** - Adds light to the setting. Light will automatically turn on when you start recording and turn off when you stop recording.
	• **Off** - Does not add light to the setting.
Geotags	Choose from:
	• **Quick** - The current cellular triangulated location is added to your video when you capture it. No overhead is added to the time to take a photo and your battery life won't be affected significantly.
	• **GPS** -The current location is determined using the internal GPS and is added to your video when you capture it. With this setting, more battery is used.

FULL-SCREEN VIEW

To view a photo or video full-screen, from any of views, tap the photo or video thumbnail. To see the menu and other options, tap the photo again. In full-screen view, you can do the following:

Send a photo	1 On the Captured, Favorites, or Albums screens, find the photo you want to send and tap it to enter full-screen view.
	2 Tap the screen to reveal the menus.
	3 Tap **Share**, then tap either **MMS** or **Email** to open a compose screen with the photo attached.

Upload a photo to a social network	1 On the Captured, Favorites, or Albums screens, find the photo or video you want to upload and tap it to enter full-screen view.
	2 Tap the screen to reveal the menus.
	3 Tap **Upload**, then select the social network Web site from the submenu. The item is uploaded.
Zoom in/out & pan	On the Captured, Favorites, or Albums screens, tap a photo to enter full-screen view.
	• To continuously zoom from 3x to 1x (original size), pinch two fingers together.
	• To continuously zoom from 1x to 3x, stretch two fingers apart. You can also double-tap to switch from 1x to 2x.
	• To pan, touch & hold the screen and slide your finger left/right/up/down.
	• To skip to the next/previous photo or video, slide your finger left/right.
Delete a photo	1 On the Captured or Albums screens, find the photo you want to delete and tap it to enter full-screen view.
	2 Tap the screen to reveal the menus.
	3 Tap **More** > **Delete**.
	4 Your photo is deleted after you confirm.
Favorite/unfavorite a photo	1 On the Captured or Albums screen, find the photo you want to favorite or unfavorite and tap it to enter full-screen view.
	2 Tap the screen to reveal the menus.
	3 Tap **More** > **Favorite** (to move it to the Favorites screen) or **Unfavorite** (to remove it from the Favorites screen).
	Note: You can also unfavorite a photo from the Favorites screen menu.

Use a photo as wallpaper You can customize the lock screen background by using one of your photos:

1 On the Captured, Favorites, or Albums screens, find the photo or video you want to use as wallpaper and tap it to enter full-screen view.
2 Tap the screen to reveal the menus.
3 Tap **More** > **Wallpaper**.
4 The photo appears in an edit window. Pinch to shrink the default crop box; drag the crop box around to change the selection.
5 Tap **Done** to save the photo and assign it as your lock screen background.

Assign a photo to a contact

1 On the Captured, Favorites, or Albums screens, find the photo or video you want to assign as a contact photo and tap it to enter full-screen view.
2 Tap the screen to reveal the menus.
3 Tap **More** > **Contact photo**.
4 From the list that appears, select the contact.
5 The photo appears in an edit window. Pinch to shrink the default crop box; drag the crop box around to change the selection.
6 Tap **Done** to save the photo and assign it to your contact.
7 The photo now appears on the contact card and on the Favorites screen if you've set this contact as a favorite.

Show on map This option displays the location where a photo or video was captured, assuming the photo or video has geotag information in its metadata. Read more in "Location" on page 26 and "What is a geotag?" on page 58.

1 On the Captured, Favorites, or Albums screens, find the photo or video you want to find on the map and tap it to enter full-screen view.
2 Tap the screen to reveal the menus.
3 Tap **More** > **Map**. (If the photo or video wasn't captured with geotag information, then this option will be dimmed.)
4 The Browser opens to a map, identifying the position defined in the photo or video's geotag.

Add/edit a description to a photo	You can add a description to a photo, which is saved as metadata in the photo file.
	1 On the Captured screen, find the photo you want to add a description to and tap it to enter full-screen view.
	2 Tap Add description, or the current description to enter Edit mode and reveal the text box.
	3 Type or edit your description. (Descriptions are limited to 100 characters.)
	4 Tap **Done** to save the description.
	Note: Adding or editing a description does not affect the photo's filename.
Add photo or video to the Spot	• On the Captured screen, find the photo or video you want to add to the Spot, touch & hold it, then drag it to the Spot.
	• In full-screen view, the Spot isn't immediately visible. It will appear when you touch & hold a photo. Once you see the Spot, drag the item in.
Return to thumbnail view	From full-screen view, simply press the Back button to go to thumbnail view.

THE PHOTO AND VIDEO SCREENS

The photos and videos you can view in Camera are organized into different screens: Captured, Favorites, Albums, and Online. Read more below.

Captured screen

The Captured screen holds all the photos and videos you've captured with your phone. They are organized by date taken. To delete a photo or video quickly, two-finger tap the screen to enter edit mode and reveal the **X**s in the corner of each thumbnail. Tap an **X** to delete the photo(s) or video(s). Two-finger tap the screen again to exit edit mode.

From this screen you can:

Send	Read how in "Send a photo" on page 61.
Upload	Read how in "Upload a photo to a social network" on page 62.
Zoom & pan	Read how in "Zoom in/out & pan" on page 62.
Set as wallpaper	Read how in "Use a photo as wallpaper" on page 63.

Delete	Read how in "Delete a photo" on page 62.
Favorite/unfavorite photos	Read how in "Favorite/unfavorite a photo" on page 62.
Set as wallpaper	Read how in "Use a photo as wallpaper" on page 63.
Assign to contact	Read how in "Assign a photo to a contact" on page 63.
Map	Read how in "Show on map" on page 63.
Add description	Read how in See "Add/edit a description to a photo" on page 64.
Add to Spot	On the Captured screen, find the photo or video you want to add to the Spot, touch & hold it, then drag it to the Spot.

Favorites screen

The Favorites screen holds all the photos and videos that you've marked as "favorites" on your phone. **You can have 100 favorites**.

To view the Favorites screen, go to the Camera app and slide your finger left. (The Favorites screen is immediately to the right of the Captured screen.) You can favorite a photo or video from the Captured or Albums screen. Read how to add/remove a photo or video from Favorites in "Favorite/unfavorite a photo" on page 62.

In addition, from this screen you can:

Send	Read how in "Send a photo" on page 61.
Upload	Read how in "Upload a photo to a social network" on page 62.
Zoom & pan	Read how in "Zoom in/out & pan" on page 62.
Set as wallpaper	Read how in "Use a photo as wallpaper" on page 63.
Assign to contact	Read how in "Assign a photo to a contact" on page 63.
Map	Read how in "Show on map" on page 63.
Add description	Read how in See "Add/edit a description to a photo" on page 64.
Add to Spot	On the Captured screen, find the photo or video you want to add to the Spot, touch & hold it, then drag it to the Spot.
Reorder favorites	Two-finger tap the screen to enter edit mode, then touch & drag the photo or video to the new location. Two-finger tap again to exit edit mode.

Albums screen

The Albums screen contains photos you've imported from your computer to your phone and those that have synced from your phone. The photos are organized as they were on your computer. Read how to import in "Import photos and videos" on page 67.

From this screen you can:

Favorite/unfavorite photos	Read how in "Favorite/unfavorite a photo" on page 62.
Sort by date or album	You can change the sort by toggling the **By date/By album** menu items.
Add to Spot	On the Captured screen, find the photo or video you want to add to the Spot, touch & hold it, then drag it to the Spot.

Online screen

The Online screen contains photos from social network photo feeds. Three types of photo feeds are displayed:

- Posted photos
- Commented photos
- Tagged photos

From this screen you can:

Make/view comments	1 Tap the photo to open in full-screen view, then tap again to reveal the menus. 2 Select **Comments** to open the Comments card for the photo. On this card, you can type a comment or read any other comments. (Comments are limited to 255 characters.) 3 Press the Back button to return to full-screen view.
Open album	1 Tap the photo to open in full-screen view, then tap again to reveal the menus. 2 Select **Album** to open the Browser and go to the the Web site that displays all the photos from this online album.

SYNC PHOTOS AND VIDEOS TO THE WEB

Depending on your service plan, your photos and videos may be synced automatically to the Web, so you'll always know they're backed up. If you have the service plan that includes this

option and if you've turned on Auto-Sync (per "Account sync" on page 27), the photos and videos you capture on the phone will be backed up automatically to WWWW Studio, where you can view and edit them. Your Favorites display as favorites on WWWW Studio as well. On your Phone in the Captured screen, the photo and video thumbnails display a text indicator, letting you know if individual photos or videos have been synced yet.

When you start to run out of storage space on your phone, photos and videos will archive to the Web automatically, always leaving you enough space to capture more. A thumbnail of the original photo or video will remain in the Captured screen.

Note: Any photo or video larger than 10 MB will not sync until you've connected your phone to your computer via USB.

IMPORT PHOTOS AND VIDEOS

To import photos and videos to your phone from your computer and vice versa, follow these steps:

1 Install the Zune software on your computer. To download and install this software, go to zune.com on your computer and follow the instructions.

2 Once you've installed and set up Zune software on your computer, make sure the photos and videos you want to import to your phone are in the Zune software "Collection".

3 Connect your phone to your computer via USB.

4 Zune software will open automatically if it isn't open already. Select the photos and videos you want to import.

5 Drag your photos or videos to the phone icon or the computer icon, depending on which direction you're importing. Progress is displayed for you on the screen.

6 When finished, if you're importing to your phone, the photos and videos will display in your Albums screen, where you can favorite them, share them, upload them, etc. Read more in "Full-screen view" on page 61.

BROWSER

ABOUT THE BROWSER

How do I open a Web page?

Open the Browser and start typing the Web address. You can either type the .com, .net, or .org at the end of the address, or tap the button with the right extension. If you tap the button, you'll be taken to the Web page. Otherwise, tap the right-facing arrow ▶ to the right of the address, or press the Return key.

<insert annotated screenshot here>

How do I search for a Web page?

Start typing your search terms in the address/search bar, then tap the magnifying glass icon 🔍 to the right of your search terms.

Can I search a Web page for a specific word or phrase?

No, you can't search within a page at this time.

Can I save some pages as favorites?

To favorite a Web page:

1 With a Web page in view, tap the address bar.
2 The address bar will shift down slightly to reveal the Web site's title and a star(favorites) icon.
3 Tap the star icon to reveal the Favorites menu options.
4 Tap **add to favorites**.

All your favorite (bookmarked) pages are stored "above" the Web page viewer in the Favorites pane.

Can I zoom in/out of a Web page?

Yes! Double-tap the page to toggle between 2x and original size.

Can I set a page to use as a home page in Browser?

No, there is no "home" Web page setting on the phone.

Can I do online banking or other secure transactions?

Yes you can. If a Web site's connection is encrypted with an Extended Validation (EV) SSL certificate and the certificate is valid, you'll see "https" and the padlock icon 🔒 in the address bar. If you see the open padlock icon 🔓, the security certificate is not valid for the site.

Can I share Web pages or content within a Web page?

Yes, touch & hold the page to capture the visible portion of the page and enter edit mode. Drag the lifted page content to the Spot. From the Spot, add one or more contacts, then tap **Send** or **Upload** to share the Web page.

Can I put a link to a Web page on my Home screen?

Yes, here's how:

1 With a Web page in view, tap the address bar.
2 The address bar will shift down slightly to reveal the Web site's title and a star icon.
3 Tap the star icon to reveal the Favorites menu options.
4 Tap **pin to home**. Now a link to this Web page will appear on your Home > Apps screen.
5 To remove the link, select **remove from home** in the Favorites menu.

If someone sends me a link in a message, will it open in the Browser if I select the link?

If someone sends you a link to a Web page in an email or text message, all you need to do it tap the link to open it in the Browser.

Can I keep more than one Web page open at a time?

No, you can only have one Web page open at a time. Use the Favorites or History screen to return to Web pages.

WEB PAGE BROWSE SCREEN

Opening a Web page is very easy. Follow the instructions in "How do I open a Web page?" on page 68. Once you're viewing a Web page, you can:

Zoom	Double-tap to zoom in; double-tap again to zoom back out.
Pan/scroll	Slide your finger up/down or left/right to pan within a page. To pan quickly, slide your finger in the opposite direction that you want to pan.

Go back	To go back one page, either: • Press the **Back** button, or • Tap the back arrow ◄ in the address bar.
View page history	To view up to 100 thumbnails of pages visited (from the past 20 days at most), do the following: 1 Press the Back button to go one page back in history. Peel back the page from the top left to step through all the pages in your history. To go forward, peel back the page from the lower right. 2 Tap a page to view the page full-screen and exit history view.
Go forward	If navigating forward to a page in history is an option, you'll see a **Forward** button. Tap this button to go to the page.
Stop loading a page	To stop a page from loading, tap the stop icon ✖.
Pin page to/remove page from your Home page	Read how in "Can I put a link to a Web page on my Home screen?" on page 69.
Refresh a page	Tap the refresh icon ↻ in the address bar.
Favorite a Web page	Read how in "Can I save some pages as favorites?" on page 68.
Save an image	If you see an image on a Web page that you'd like to save to your Camera's Captured screen, two-finger tap the screen, then from the message box that opens, select **save image**. You can save the following image file types to your phone: • .jpg • .gif • .png • .bmp
Select values in drop-down boxes	1 Double-tap the page to zoom in. 2 Tap the selection box; all the items in the box appear in a list. 3 Tap the item you want to select.

Follow a link	To follow a link, tap the link. If you're having trouble tapping it, zoom in. From the message that opens, tap **open link**.
	Note: If you tap a "mailto:" or "tel:" link, the Email app or Dialer will open, as appropriate.
Subscribe/unsubscribe to feeds	To subscribe to a feed on a Web page, simply tap the feed's link. You can also:
	1 With a Web page in view, tap the address/search bar.
	2 The address/search bar will shift down slightly to reveal the Web site's title and a star icon.
	3 Tap the star icon to reveal the Favorites menu options.
	4 Tap **add to feed** or **remove from feed**, as appropriate.

FAVORITE WEB PAGES

To add a Web page to Favorites, read "Can I save some pages as favorites?" on page 68.

To view all your favorite Web pages, slide your finger down the Web page browse screen to Your favorites are stored as mini-page icons. While viewing your favorites, you can:

Open a favorite	Tap the favorite to open the page in the browser.
Edit the favorite name	**1** Two-finger tap the favorite you want to rename to enter edit mode.
	2 The page's name is highlighted by default; simply start typing to replace the current name.
	3 Two-finger tap the screen to save and exit edit mode.
Remove from favorites	**1** Two-finger tap the Favorites area of the screen to enter edit mode.
	2 Tap the **X** on the page. The page is removed from Favorites.
	3 Repeat with other favorite pages if you want.
	4 When finished, two-finger tap again to exit edit mode.
Rearrange favorites	**1** Two-finger tap the Favorites area of the screen to enter edit mode.
	2 Touch & hold the favorite you want to move. It will "lift" when it's ready to move.
	3 Drag the icon to the location you'd like, then lift your finger.
	4 Move other favorite pages if you want.
	5 When finished, two-finger tap again to exit edit mode.

Share a favorite	1	Touch & hold the favorite Web page you want to share.
	2	When the favorite "lifts", you can drag it to the Spot.
	3	From there, add a contact, then tap **Send** or **Upload** to share.

SEARCH

The Web address box doubles as a search box. If you type a protocol identifier (e.g., "www", "http", "https") at the beginning of the text, or if you end the text with a ".com", ".net", or other Web site extension, then the box knows you want to go to a Web site. Otherwise, the box treats what you type as a search string.

Once you've type a search string, tap the magnifying glass icon 🔍 to launch the search.

BROWSER SETTINGS

To reach the Browser Settings screen:

1 From the Home screen, slide your finger right to see the Apps screen.
2 Select **Settings**, then slide your finger left to see the Apps Settings screen.
3 Tap **Browser** to open the Browser Settings screen.

From the Browser Settings screen you can:

Select browsing experience

Select how you want Web pages to display on your phone:

- **Optimized** - The best display setting will be selected automatically.
- **Desktop** - The full, desktop layout of the page will display.
- **Mobile** - If available, the mobile layout of the page will display.

Security settings

You can control the following security settings:

- **Allow cookies** - Turn on or off, as you prefer.
- **Enable JavaScript** - Turn on or off, as you prefer.
- **Temporary files** are stored on your phone for faster viewing. To delete all these files, tap **delete temporary files**.
- **Cookies** hold Web page preferences and other user data. To delete all cookies, tap **delete cookies**.
- **History** saves the last 100 pages you've visited. To delete this history, tap **delete history**.

MUSIC & MORE

ABOUT MUSIC & MORE

What can I do in the Music & More app?

From the Music & More top-level screen, you can play music, podcasts, and videos that you've downloaded to your phone using the Zune software on your computer. You can also download musics directly to your phone using the Zune Pass catalog.

Go to **Apps** > **Music & More** to see the top-level menu.

<insert annotated screenshot here>

- **Music** - Select songs and podcasts using these categories: artists, playlists, songs, genres, albums.
- **Videos** - Select videos using these categories: TV shows, music videos, movies, other, and all videos.
- **Radio** - Select to listen to FM radio stations. HD radio isn't available.
- **Zune Pass catalog** - Stream or download songs using your Zune Pass. (Read more in "What is a Zune Pass and how do I get one?" on page 74.)
- **Podcasts** - Listen to podcasts that you've subscribed to from your computer.
- **Settings** - Set music and radio preferences, plus find out how much storage space you're using for music and videos on your phone.

How can I copy media from my computer to my phone?

Read how to import your photos and videos in "Import photos and videos" on page 67. To import music, read "Sync media and download music" on page 75.

Can I purchase songs and ringtones for my phone?

Yes. You can download music and videos from the Zune Pass catalog, which is part of the Music & More app. However, to use the catalog, you first need to get a Zune Pass and sign up for a Zune account. You can take advantage of a free 14-day trial Zune Pass, or purchase one. Read more in "What is a Zune Pass and how do I get one?" on page 74 below.

To purchase ringtones, go to www.mediastore.verizonwireless.com on your computer. The ringtones you purchase will be delivered to your phone via MMS. To assign these ringtones, go to **Apps** > **Global settings** > **Sound > Melodies** on your phone.

What is a Zune Pass and how do I get one?

A Zune Pass is a subscription that lets you download as many songs as you like from Zune Marketplace on your computer or the Zune Pass catalog on your phone and listen to them for as long as you hold your subscription. You can download and keep ten favorite songs each month and play them even without an active Zune Pass. Note that you must have a Zune Pass to download music from the Zune Pass catalog in the Music & More app.

To get a Zune Pass, go to zune.com and follow the links to sign up for a Zune account. You can get a free 14-day trial pass or purchase a subscription.

Here's more about what you can do with a Zune Pass:

- Browse and search music in the Zune Pass catalog from your phone and Zune Marketplace from your computer .
- Stream as much music as you want.
- Download music in two ways:
  - Download to rent - Download and play back as many songs as you like as long as you keep your Zune Pass active. You can also transfer songs back to your computer via USB cable by using Zune software.
  - Download to own - Download 10 songs/month and keep this music forever (no DRM), even if your Zune Pass is not active.
- You can easily transfer music back to your computer via USB cable and Zune software.

What do I need to do before I can search for music in the Zune Pass catalog?

1 Get a Zune Pass.
2 Install the Zune software on your computer and then connect your phone to your computer using the Zune software. Read details in "Sync media and download music" on page 75.

How will I know when I have a phone call if I'm listening to music?

Yes, your music, video, or radio sound will pause when you receive an incoming call. The media will resume playing when you end the call.

Can I share songs by dragging them into the Spot?

No, you can't share songs or videos from the Media & More app.

SYNC MEDIA AND DOWNLOAD MUSIC

The only way to add music, videos, and photos from your computer to your phone is via the Zune software. In addition, if you want to browse and download music from the Zune Pass catalog on your phone, you'll need to get a Zune Pass and a Zune account. Follow these instructions to get completely set up.

1   Install the Zune software on your computer by going to zune.com and following the "software" link.
2   Launch the Zune software on your computer. From there you can sign up for a Zune account and free 14-day trial Zune Pass, or you can sign up/purchase a Zune Pass subscription.
3   Once you have a Zune Pass, create an account from the Zune softwareby clicking **Create new account**. You can use your WWWW account email address.
4   Once you have an account, connect your phone to your computer via USB. If the Zune software isn't already open, it will open once you connect your phone. You'll be prompted to name your phone, then link your phone to the Zune software.
5   Once you're set up, drag the items you want to sync from your "Collection" to the device icon in the lower-left. Syncing with your phone will begin immediately.
6   Before you disconnect the USB cable, disconnect your phone from your computer by unlocking your phone's screen.

MEDIA PLAYER

All the music and videos you've added to the Zune software on your computer will display in the Music & More app. Note that while using Music & More, your phone will display in portrait orientation only. (Read more in "Screen orientation" on page 11.)

Find a song or video

To find music or a video to play, go to **Apps** > **Music & More** and tap either **Music**, **Video**, or **Podcasts**. You can then select a subcategory:

• **Music** - Playlists, Songs, Genres, Albums, Artists
• **Videos** - All, TV, Music (videos)
• **Podcasts** - All

Here are some tips about navigating:

Navigate song list

1 Tap **Music** > **Songs** to view your list of songs.
2 Songs are organized alphabetically. To jump to songs starting with a particular letter:
   • Tap a letter heading to open the on-screen letter selector.
   • Tap the letter you want to jump to.
   • The list moves to the songs beginning with that letter.

View music artist info

1 Tap **Music** > **Artists** to view your list of artists.
2 Tap an artist to open the list of **albums** by this artist. Slide your finger left or right to view more info: **songs**, **pictures**, **bio**, or **related** artists.

View item details

1 Navigate to a song, video, artist, album, podcast, or other category.
2 Tap the item's name to open the item details screen.
3 From this screen you can view information about the item, start playing the item, add it to the Now Playing playlist, or delete it.

<add illustration>

Play an item

1 Once you've navigated to the item you want to play, tap the artwork <illustration> to begin play immediately.
2 Alternatively, open the item details screen by tapping the item's name, then tap ⏺.

Save to Now Playing playlist

1 Once you've navigated to the item you want to play, tap the name to open the item detail's screen.
2 Tap ⊕ to save the song to the Now Playing playlist.

Now Playing screen

Once you've starting playing music, video, or podcast, you'll automatically go to the Now Playing screen. There are two sets of controls you can use on this screen. By default you'll see the shuffle, repeat, and rating controls. Tap the artwork to open the volume, pause, play, forward, back controls.

<insert illustration of Now Playing screen with both controls, and callouts>

From the Now Playing screen you can:

Pause/resume song play	Tap ⏸ to pause play; tap ▶ to resume play.
Go back in song play	Tap ⏮ once to go to the beginning of the song; tap ⏮ again to go to previous song in the playlist.
Fast forward in song	Touch & hold ⏭ to fast forward through a song.
Go to next song	Tap ⏭ to advance to the next song in the playlist.
Rewind song	Touch & hold ⏮ to rewind through a song.
Rate the song	Tap the button to toggle through not rated ◎, positive rating ◎, negative rating ◎.
Shuffle songs	Tap ◎ to toggle shuffle on and off.
Repeat songs	Tap ◎ to toggle through repeat modes: • Don't repeat ◎ • Repeat current song ◎ • Repeat all songs ◎
Fast forward video	Touch & hold ◎ to fast forward through a video.
Rewind video	Touch & hold ◎ to rewind a video.

Control play outside Music & More

If you are not in the Music & More app while a song or video is playing, you can bring up the music controls by pressing a volume button.

<insert illustration>

Delete an item

To delete music or videos:

1 Tap **Music** > **Songs** or **Video** and keep tapping until you navigate to the item you want to delete.
2 Select the item's title (not the art) to open the item's detail screen.
3 Tap ⊗ to delete the item from your phone. You'll be asked to confirm.

FM RADIO SCREEN

Select **Radio** from the Music & More top-level screen to go to the FM radio screen.

Note: You must use wired headphones to listen to the FM radio becauser the wire acts as the antenna.

Like the Now Playing screen, there are two sets of controls. To toggle between them tap the screen.

<insert illustration with callouts>

From the FM radio screen you can:

Save a station	Tap ⬤ to add a station to a playlist of presets.
View your saved stations	Tap ⬤ to view a list of all the stations on your preset playlist.
Pause/resume song play	Tap ⬤ to pause play; tap ⬤ to resume play.
Seek stations	Tap ⬤ to scan to the stations lower on the dial; tap ⬤ to scan to the stations higher on the dial. You can set whether the scan will stop at any station, or just stations you have preset. Read more in "Radio settings" on page 81.

Remove all songs from Now Playing playlist

To remove all songs from the Now Playing playlist:

1 Go to the Music & More top-level screen and select **Playlists** > **Now Playing**.

2 The item details screen appears. Tap ⬤.

3 All songs in the playlist are removed. The currently-playing song is stopped.

LISTEN WITH HEADSET, HEADPHONES, OR BLUETOOTH DEVICE

You can listen to music using the headset that came in the box (a one-button headset), a three-button premium headset, stereo headphones, or a Bluetooth device. Refer to "Headset jack" on page 9 to locate the headset jack on your phone.

Note: The headset/headphone cable serves as an antenna, so you must have a headset or headphone plugged in to your phone when using the FM radio.

One-button headset	If you use the headset headset that came in the box, which has an inline microphone and one control button, use the button to control play as follows:

- One press – Play/pause. If no song is playing, pressing once will shuffle all songs.
- Two presses – Go to next song.
- Three presses – Go to previous song.

Three-button premium headset	

- The middle button controls play as follows:
  - One press – Play/pause. If no song is playing, pressing once will shuffle all songs.
  - Two presses – Go to next song.
  - Three presses – Go to previous song.
- Left/right buttons control volume, the same as the volume buttons on the phone.

Bluetooth headset	Once you pair with a Bluetooth stereo headset (read how in "Connect to a Bluetooth device" on page 21) and start playing music, the sound will automatically be routed to your headset.
Headphones	You can use standard stereo headphones to listen to music.

ZUNE PASS CATALOG

Before you can see anything in the Zune Pass catalog, you must get a Zune Pass and sign up for a Zune account using the Zune software on your computer. Read "Sync media and download music" on page 75 for instructions.

Once you have your Zune Pass and have set up your account, you can do the following from your phone:

Browse for music & add to cart

You can only search for music within the Zune Pass catalog (not videos or podcasts). To search for music, do the following:

1 From the Music & More top-level menu, tap **Zune Pass**, then tap **Search**. Open your keyboard and start typing. Search results will always display in portrait orientation.
2 If you tap **Music** instead of Search, **Top songs** are shown by default. You can also browse by selecting **Top albums** or **New releases**.
3 Tap a genre from the list and continue selecting until you find an album or song you want to download. You can listen to (stream) a song by tapping it.
4 Tap 🔘 to add an item to your cart.

Tip: To search for an artist or album or song by name, open your keyboard and start typing.

Download items from your cart

To download the items in your cart, do the following:

1 From the Music & More top-level menu, tap **Cart**.
2 All the items that you've added to your cart from the phone appear in a list.
3 You can choose to **download all** items in your cart, or **clear your cart**.
4 You'll receive a confirmation; tap either **Download** or **Cancel**.
5 If you tapped **Download**, you'll be able to see the download progress on the screen.
6 Once your items have downloaded, they'll be available for play in your collection.

SETTINGS

Control the following from the **Music & More** > **Settings** screen:

Music settings	• **Equalizer** - Choose from **None**, **Acoustic**, **Classical**, **Electronic**, **Hip Hop**, **Jazz**, **Pop**, or **Rock**. • **Artists** - Choose whether to search for artists by from **Album only** or by **Song and album**.
Radio settings	• **Region** - Choose your current location from **North America**, **Europe**, or **Japan** to set the correct frequency band. Remember to change this setting if you travel to a different region. • **Seek mode** - When you scan forward or back for stations, you can choose **seek** to stop at the next station, even if you don't receive the station very well, or **presets** to stop at just those stations that you've saved.
Storage	From the Storage screen you can view: • How many songs, pictures, and videos you've copied to your phone. (Podcasts aren't counted.) • How much space you've used. • How much space is still free.

ALARM

ABOUT ALARM

How many alarms can I set?

You can create up to 10 alarms.

If I set an alarm, can I save it even though I don't want it to go off?

Yes. All you have to do is turn off the alarm. It will remain in your list. Alarms that are off are listed below alarms that are on. Read more in "Turn an alarm on and off" on page 84.

<insert picture of Alarms>

Can I set an alarm to go off on certain days?

Yes. The days your alarm goes off is determined by the frequency you select. Choose from **just once** to **every day**, and all combinations in between, including **work days** and **weekends**. Read more in "Create an Alarm" on page 83.

How are my alarms sorted?

Alarms that are on are listed first and sorted by alarm time, with the next alarm that will go off at the top. (So the sort order will change.) Alarms that are off are listed below the active alarms, and are also sorted by time.

Can I customize the alarm sound?

Yes, you can select from all the sounds available on your phone. Read more in "Create an Alarm" on page 83.

Does my phone provide an indicator when I have an alarm set?

Yes, if you tap the Dashboard, you'll see the alarm indicator.

<insert picture of Dashboard with alarm>

How long does snooze last?

If you tap **Snooze** on the alarm notification, the alarm will sound again after 10 minutes.

What happens if I have a headset attached to the phone and am listening to music when an alarm goes off?

The alarm will sound through your headset.

What happens if I'm on a call when the alarm sounds?

Your call will not be interrupted, but you'll receive a visual notification on the screenyour phone. If a call comes in while an alarm is sounding, then the alarm sound will stop, but the notification on your screen will remain.

What happens if I have my screen locked when an alarm goes off?

If your screen is locked, the alarm notification will appear on the lock screen. You can tap snooze or peel open the lock screen to dismiss the alarm.

What happens if I ignore an alarm when it goes off?

If you don't **dismiss** or **snooze** the alarm, it will automatically snooze after five minutes. If you continue to the ignore the alarm, it will automatically dismiss after three hours.

When I'm traveling I set my phone time manually. Is the alarm time based on the network time or my phone's time?

The alarm will always look at the phone's time, not the network time.

Can I add a description to my alarm?

Yes, you can add a note, which will appear as part of the notification and in the Alarm list. A note can be up to 64 characters (approximately 2 lines).

CREATE AN ALARM

1 From the Home screen, slide your finger right to view Apps, then tap **Alarm**.
2 The first time you open Alarm, you won't see any alarms listed. Tap **New**.
3 On the New Alarm screen:
   • Set the time by tapping the time selectors.
   • Tap **Frequency** to open the frequency selector and choose from the list.
   • Tap **Sound** to open the sound selector and choose a sound. Sounds specifically designed for the Alarm app are listed in the **Alarm** category.
   • Tap the text box and type a note (64 characters or less, which is about 2 lines).
4 Tap **Done** or press the Back button to set the alarm and return to the Alarms screen.
5 Your alarm is automatically set to **on**.

TURN AN ALARM ON AND OFF

1 From the Home screen, slide your finger right to view Apps, then tap **Alarm**.
2 Find the alarm you want to turn on/off from the list and tap it.
3 The alarm switches from **on** to **off**, or vice versa, depending on its previous setting.

CHANGE AN ALARM'S SETTINGS

1 From the Home screen, slide your finger right to view Apps, then tap **Alarm**.
2 Tap **Edit**.
3 From the list, tap the alarm you want to edit to open it for editing.
4 On the Edit Alarm screen, tap any of the settings (time, frequency, sound, note) to make adjustments.
5 When you're finished, tap **Done**.

DELETE AN ALARM

1 From the Home screen, slide your finger right to view Apps, then tap **Alarm**.
2 Tap **Edit**.
3 Find the alarm you want to delete and tap the **x** to the right of the alarm. Your alarm is deleted without confirmation.
4 Tap **Done** to return to your list of alarms.

ALARM NOTIFICATIONS

When your alarm goes off, a notification will appear on your phone, no matter what you're doing. You will be able to either **dismiss** the alarm or **snooze** it. (Snooze is 10 minutes.) If you press the Back button with the notification showing, the alarm will snooze.

Here are some situations you may be in and how the alarm will behave:

You're on a phone call when the alarm goes off	The alarm won't sound (don't want to interrupt your call), but you'll see the notification on the screen where you can dismiss or snooze it.
The alarm goes off as you're receiving an incoming call	If the alarm is sounding, it will stop once the call comes in. The notification will remain so you can act on it.

You're listening to music or a video on your headset when the alarm goes off	The alarm will sound through the headset and the visual notification will appear on the screen where you can dismiss or snooze it.
You ignore the alarm notification	If you ignore the alarm for 5 minutes, the alarm will automatically snooze (for 10 minutes). If you keep ignoring the alarm, after 3 hours of sounding for 5 minutes and snoozing for 10 minutes, the alarm will dismiss.
Your screen is locked when the alarm goes off	The notification will appear on the lock screen, where you can tap **snooze**, or peel back the lock screen to dismiss the alarm.

SAFETY, REGULATORY, & LEGAL INFORMATION

HANDLING AND SAFETY PRECAUTIONS

Your phone is a mobile device that may break if dropped, subjected to severe shock, or exposed to water. Please handle the device carefully and read the precautions listed below. These precautions provide essential information for the safe handling of the product and for the protection of the users and others from possible harm.

During a call, the sound level on your device may vary, depending on how you are routing the sound. Keep the volume at a moderate level to prevent damage to your hearing, and be careful not to switch accidentally to speakerphone while the phone is against your ear.

Battery handling

- Your device uses a removable lithium-ion battery. Lithium-ion batteries are recyclable. Never dispose of the battery or the unit by incineration or ordinary waste.
- Always turn off your device before removing the battery.
- Never attempt to disassemble or modify the battery.
- Never touch any fluid that may leak from the removable battery, because doing so may result in injury to the skin or eyes.
- Never drop your device or subject it to severe shock. This may cause the removable battery to leak, ignite, and/or rupture. Always immediately remove your device from the vicinity of any open flame in the event the built-in battery leaks or emits an unusual odor.

Device handling and use

- Never attempt to disassemble, repair, or modify your device. Such action may result in bodily injury, or damage to the unit or other property.
- Never touch liquid that might leak from a broken liquid crystal display (LCD), because doing so may cause a skin rash.
- Keep the volume at a moderate level to avoid damage to your hearing.
- Never dispose of your device with ordinary waste.
- Never allow infants, small children, or animals within reach of your device.
- Switch off your device or put your device in "Airplane Mode" when in an aircraft. The use of the device in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network, and is illegal. Failure to observe this instruction may lead to suspension or denial of cellular telephone services to the offender, or legal action, or both.

- Check with your doctor if you have a pacemaker or hearing aid to make sure you can safely use the device's cellular and Bluetooth radio frequencies.
- Persons with pacemakers:
  - Should **always** keep the phone more than six inches from their pacemaker.
  - Should not carry the phone in a breast pocket.
  - Should use the ear opposite the pacemaker to minimize the potential for interference.
  - If you have any reason to suspect that interference is taking place, turn your phone off immediately.
  - The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches (15.24 centimeters) be maintained between the phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.
- Your phone contains magnets, which may cause damage to credit cards, magnetic ID cards, and other magnetically encoded materials. Do not place these or other items that are sensitive to magnetic fields near the mobile device. For example, do not place your phone in the same pocket as your credit card or hotel key.
- Never attempt to dry the device using a microwave oven.
- Using this device for long periods of time (e.g., messsaging and browsing) may cause the device and the battery charger to get warm. If you feel the device or the battery charger is too warm, avoid sustained contact with exposed skin otherwise this might cause discomfort, or eventually a burn.
- Certain locations (e.g., hospitals) may restrict the use of any device that emits low-level RF energy. Always comply with posted prohibitions of the use of RF-emitting devices.
- Do not use the device when at a refuelling station.
- Turn your phone OFF where posted notices so require and observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress.
- Never allow any metallic objects (e.g., staples, paper clips) to become inserted into your device, as this could result in the generation of excess heat or fire.
- Never use or store your device in the following locations:
  - Anywhere it may be exposed to water (e.g., bathroom, sauna)
  - Conditions of high humidity (e.g., rain or fog)
  - Conditions of extreme high temperatures (e.g., near fire, in a sealed car)
  - In direct sunlight
  - Locations or sites subject to strong vibration
- Using this device for long periods of time (e.g., messaging and browsing) may harm your hands or eyes. For your health and safety, take a 10-15 minute break every hour.
- Use your device in areas with the following ambient environmental condition:
  - Normal operation: 0°C to 40°C (32°F to 104°F), with humidity of 30% to 80%
- RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

- DO NOT use chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing fire.
- DO NOT paint your phone or modify the housing.
- DO NOT immerse your phone in water.
- DO NOT use unauthorized accessories.
- DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized service center. If unit is disassembled, the risk of electric shock or fire may result.
- Do not aim your camera at the sun. The sunlight may cause damage to the sensor.
- Do not use your camera's flash close to a person's eyes. This may cause the person to lose eyesight temporarily and result in an accident.

Battery charger handling

- The device is intended for use when supplied with power from the battery charger and multi-function micro-USB cable included in the box with your device, or via the included milti-function micro-USB cable to an approved USB host. Other usage will invalidate any approval given to this device and may be dangerous.
- Charge the device within the temperature range of 5 to 35 degrees Celsius, or 41 to 95 degrees Fahrenheit, for the fastest charging time.
- Never place the battery charger on any surface that can be marred by exposure to heat; always place the battery charger on a heat-insulating surface.
- Never use a battery charger or multi-function micro-USB cable that has received a sharp blow, been dropped, thrown from a speeding vehicle, or is otherwise damaged; doing so may damage your device.
- Never place the battery charger or micro-USB cable adjacent to any heat source.
- Never leave the battery charger or micro-USB cable close to an open container of liquids.
- Never use a worn or damaged battery charger or micro-USB cable or plug, or a worn or damaged extension cord or plug.
- When traveling abroad, never plug the battery charger into a power source that does not correspond to both the voltage and frequency specified on the charger.
- Always confirm that the battery charger plug has been fully inserted into the receptacle to ensure a secure electrical connection.
- In the event of any unusual odor or smoke, always immediately disconnect the battery charger from the device and the power outlet, then power off the device.
- It is normal for the battery charger to become warm when charging. Disconnect the battery charger from the outlet when not in use.
- Never attempt to disassemble or repair a battery charger or multi-function micro-USB cable, because doing so exposes you to electric shock.

CAUTION

IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS

DANGER TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN THE UNITED STATES, USE AN ATTACHMENT PLUG ADAPTER OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

! RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE FOLLOWING INSTRUCTIONS:

BATTERY DISPOSAL   THIS PRODUCT CONTAINS A LITHIUM-ION BATTERY. THIS BATTERY MUST BE DISPOSED OF PROPERLY. CONTACT LOCAL AGENCIES FOR INFORMATION ON RECYCLING AND DISPOSAL OPTIONS IN YOUR AREA.

Driving safety

Talking on the phone while driving is extremely dangerous and is illegal in many some states. Remember, safety comes first. Check the laws and regulations regarding the use of hand held phones in the areas where you drive. Always obey them.

It is advised that the device not be used by a driver while the vehicle is moving, except in an emergency. If you must use your phone while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use a fixed, neck-slung or clipped-on microphone, Bluetooth headset, or other hands-free method.
- Use one-touch, speed dialing, and auto answer modes.
- Pull off the road and park before making or answering a call.

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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

Device handling in potentially explosive atmospheres

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

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas

where the air contains chemicals or articles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle's engine.

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

REGULATORY AND COMPLIANCE INFORMATION

FCC notice

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

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

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

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

Hearing aid compatibility with mobile phones

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

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

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

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

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

Recycling Information

The RBRC™ Battery Recycling Seal on the Lithium-ion (Li-ion) battery/battery pack indicates Personal Communications Devices, LLC is voluntarily participating in an industry program to collect and recycle these battery/battery packs at the end of their useful life, when taken out of service in the United States or Canada. The RBRC™ program provides a convenient alternative to placing Li-ion batteries into the trash or municipal waste stream, which is illegal in some areas. Please call 1-800-822-8837 for information on Li-ion battery recycling in your area. Personal Communications Devices, LLC involvement in this program is part our commitment to preserving our environment and conserving our natural resources. (RBRC™ is a trademark of the Rechargeable Battery Recycling Corporation.)

Compliance with additional FCC regulations

Never violate any of the following Rules and Regulations of the FCC when using your Mobile Phone. Such violations are punishable by fine, imprisonment or both.

- Never use obscene, indecent, or profane language.
- Never use your Cellular Phone to send false distress calls.
- Never wiretap or otherwise intercept a phone call, unless you have first obtained the consent of the parties participating in the call.
- Never make any anonymous calls to annoy, harass, or molest other people.
- Never charge another account without authorization, to avoid payment for service.

- Never willfully or maliciously interfere with any other radio communications.
- Never refuse to yield the line when informed that it is needed for an Emergency Call. Also, never take over a line by stating falsely that it is needed for an emergency.

LEGAL INFORMATION

WWWW Terms of Service

This WWWW Terms of Service (the "**Agreement**") between you and Microsoft Corporation ("**Microsoft**") supplements the Microsoft Service Agreement for Windows Live ("**Windows Live Agreement**"). In order to use the WWWW Service (defined below), you must have a valid Windows Live ID and have agreed to the Windows Live Agreement.

Please carefully read this Agreement before you use your wireless device ("**Device**"). Your use of the Device or the data services for the Device ("**WWWW Service**") shall constitute your binding acceptance of all of the terms and conditions of this Agreement and the Windows Live Agreement. This Agreement and the Windows Live Agreement govern your use of the WWWW Service and any other services offered in conjunction with the WWWW Service. Any references in the Windows Live Agreement to 'software' or 'service(s)' shall include the WWWW Software and WWWW Service. You may be prompted to accept additional contract terms that govern your installation and use of other software or services offered as a part of the WWWW Service. If any terms of this Agreement conflict with the terms of any other contract for use of other software or services offered with the WWWW Service, the terms of this Agreement shall apply. Microsoft reserves the right to change or modify any of the terms and conditions contained in this Agreement or any policy referenced herein at any time and in its sole discretion. You may access this Agreement at [insert URL]. If the Agreement is changed, we will post the new terms to such Web page. Any changes or modifications will be effective upon posting, and your continued use of the WWWW Service or WWWW Software (defined below) after the posting of such changes shall constitute your binding acceptance of the Agreement as revised.

1. WWWW Software

1.1. Definition

"**WWWW Software**" means any software, in executable code form, owned by Microsoft (or software owned by third parties that Microsoft has the right to distribute or sublicense) and either pre-loaded on the Device at the time of manufacture or otherwise furnished to you by Microsoft in its sole discretion. "WWWW Software" includes the WWWW operating system and applications, including any and all updates to the same.

1.2. Third-Party Software

You understand and agree that in addition to the WWWW Software, the Device may contain certain third-party software ("**Third-Party Software**"), the use of which may be subject to

separate license agreements containing additional terms and conditions. Any such license agreements will be provided to you separately. You hereby agree to comply with all such additional terms and conditions in your use of the Third-Party Software.

2. Ownership

The WWWW Software is licensed to you, not sold. Microsoft and its licensors retain exclusive ownership of all proprietary rights, including all patent, copyright, trade secret, trademark and other intellectual property rights worldwide, in and to the WWWW Service and the WWWW Software (including any corrections, bug fixes, enhancements, updates or other modifications thereto). There are no implied licenses under this Agreement, and all rights not expressly granted are hereby reserved.

3. Windows Live ID

You understand and agree that your Windows Live ID and password ("**Credentials**") will automatically be saved and stored on the Device. Such Credentials will reside in encrypted form in Device memory and will be used to establish a connection between the WWWW Device and the WWWW Service. You are responsible for maintaining the confidentiality of your Credentials, and are fully responsible for all activities that occur using your Credentials. You agree to immediately notify your mobile operator of any unauthorized use of your Credentials or any other breach of security.

4. Mobile Operator

You may incur charges for Internet access and data transfer per the terms of the data service plan and any other agreements you have with your mobile operator.

5. Third-Party Content and Services

In the course of using the WWWW Service, you may download to the Device content that is provided by third parties and/or access services and Web sites provided by third parties, including third-party Web sites accessible through links from the WWWW Service. Microsoft is not responsible for the content, products, materials, or practices (including privacy practices) of any such Web sites or third parties. You understand that by using the WWWW Service you may be exposed to third-party Web sites or content that you find offensive, indecent or otherwise objectionable. Microsoft makes no warranty, representation, endorsement, or guarantee regarding, and accepts no responsibility for, the quality, content, nature or reliability of third-party Web sites (including Web sites accessible by hyperlink from the WWWW Service) or third-party products or services accessible via the WWWW Service. Microsoft provides links to third-party Web sites for your convenience only and Microsoft does not control such Web sites. Microsoft's inclusion of links to third-party Web sites or access to third-party products does not imply any endorsement of the third parties or their products and services. It is your responsibility to review the privacy policies and terms of use that apply to third-party Web sites you visit or to third-party content and services you access. In no event will Microsoft be liable to you in connection with any Web sites, content, products, services, materials, or practices of a third party.

6. Consent for Internet Based Services

Microsoft provides Internet-based services with the WWWW Service. It may change or cancel them at any time. Certain features of the WWWW Device and WWWW Service connect to Microsoft or service provider computer systems over the Internet. In some cases, you will not receive a separate notice when they connect. BY USING THESE FEATURES, YOU CONSENT TO THE TRANSMISSION OF THE INFORMATION DESCRIBED BELOW.

6.1 Computer Information

Features that access the Internet will send to the appropriate systems computer information, such as your Internet protocol address, each time the features access the Internet.

6.2 Automatic Update Feature

Each time you use the WWWW Service, the WWWW Device checks with the WWWW Service for a newer version of the WWWW Software. If found, the newer version automatically downloads and installs on your Device. Updates are free when downloaded via your mobile operator or Wi-Fi. You can always prevent the automatic download and installation of WWWW Software updates by going to Apps>Settings>Updates and selecting "off". During installation of updates, you will not be able to use the WWWW Service. In certain cases, you will not be able to use certain features of the WWWW Service without first installing the WWWW Software update.

6.3 Uploading and Downloading of Information

You hereby acknowledge and agree that (a) WWWW Software, data and other information may be downloaded from Microsoft to your Device and requests for information may be uploaded from your Device to Microsoft on a regular basis; (b) Microsoft makes no guarantee of, and is not responsible for, the accuracy or completeness of any downloaded information; and (c) the WWWW Service may be inoperable from time-to-time and Microsoft shall incur no liability for such inoperability.

7. Privacy, Usage Information, and Collection of Device Information

You consent to the collection, use and disclosure of your personal information outlined in this section and in the WWWW Privacy Statement.

In order to provide you the WWWW Service, and to improve, enhance and diagnose issues with the WWWW Software and the WWWW Service, we may collect information about your use of the WWWW Software and the WWWW Service. This usage information is used and disclosed as described in the WWWW Privacy Statement.

By using the WWWW Service, you agree to the transmission of certain information about your Device ("**Standard Device Information**"). Microsoft uses the standard device information to provide you with the WWWW Service, to help improve our products and services, and for statistical analysis. Standard Device Information typically includes information such as your IP address, operating system version, browser version, language settings, unique device serial numbers, device manufacturer, device name, model and software version. If a particular

feature of the WWWW Service sends information to Microsoft, Standard Device Information will be sent as well.

8. [WWWW Web site]

You may access and manage certain information from your account (e.g. photos, contacts) through the WWWW Web site. The WWWW Web site and the Device are synchronized with the WWWW Service. Accordingly, when you add or delete information using the WWWW Web site, such information will also be added or deleted on your Device. Your use of the WWWW Web site is subject to the terms and conditions of this Agreement, the Windows Live Agreement and any other terms and conditions provided to you separately on the WWWW Web site.

9. Your Content

If you cancel the WWWW Service, we may delete your content (e.g. photos, contacts, settings and SMS history) that is on the Device and backed-up to our servers following receipt of notice from your mobile operator that you have canceled the WWWW Service or if you are inactive for the WWWW Service for an extended period of time.

10. Termination

You agree that Microsoft or its service partners, in their sole discretion, may immediately terminate your access to the WWWW Service (whether directly or through your mobile operator) if they believe that you have violated any of the terms and conditions of this Agreement or the Windows Live Agreement. You agree that any termination of your access to the WWWW Service may be effected without prior notice, and acknowledge and agree that, upon termination, Microsoft and its service partners may immediately deactivate or delete your account and all related information, emails, contacts, files and other data in your account and/or bar any further access to such files or the WWWW Service. Further, you agree that neither Microsoft nor it service partners shall be liable to you for any termination of your access to the WWWW Service hereunder.

Last updated: March 2010

One-year limited warranty

<Sharp/PCD will provide and updated warranty statement>

Additional information

<verizon warnings>

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INDEX

A

autodim for backlight, timeout 25

B

backlight, timeout to dim 25

REGULATORY AND COMPLIANCE INFORMATION
FCC NOTICE

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

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

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may

not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

EXPOSURE TO RADIO FREQUENCY (RF) SIGNALS

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

Your wireless device is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research.

In the United States the SAR limit for mobile devices used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The

FCC has granted an Equipment Authorization for this wireless device with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines.

SAR information for this device is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID APYNAR0066 for the PB20ZU.

For the PB20ZU, the highest SAR value when tested for use at the ear is 1.29 W/Kg and when worn on the body, as described in this user guide, is 0.755 W/Kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

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

BODY-WORN OPERATION

This device was tested for typical body-worn operations with the back of the phone kept 2.0 cm from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 2.0 cm separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

EMERGENCY CALLS

Never rely solely upon your wireless phone for essential communications (e.g., medical emergencies), if it can be avoided, since a wireless phone requires a complex combination of radio signals, relay stations and landline networks for its operation. Consequently, emergency calls may not always be possible under all conditions on all wireless phone systems. Your wireless phone, however, may sometimes be the only available means of communication at the scene of an accident. When making an emergency call, always give the recipient all necessary information as accurately as possible. Never terminate an emergency call until you have received clearance to do so.

FCC ENHANCED 911 (E911) RULES

Background

The Federal Communications Commission (FCC) requires wireless carriers to transmit specific latitude and longitude location (Automatic Location Identification = ALI) information as well as "911" calls to Public Safety Answering Points (PSAPs) to identify the location of the caller in case of emergency.

Generally, the rules require that carriers identify an E911 caller's location within 50 meters of the actual location for 67 percent of calls and within 150 meters of the actual location for 95 percent of calls.

ALI Capability

The PB20ZU is an ALI-capable phone equipped with a GPS (Global Positioning System) receiver supporting a satellite-based GPS ALI-capable network to comply with the FCC's ALI requirements.

The network compliance with the above FCC requirements is dependent on: (a) the use of digital technology by the wireless network; (b) GPS satellite signals being able to reach the handset (such transmissions do not always work indoors, for example); and (c) handset signals reaching wireless "base stations" (atmospheric and environmental conditions may cause variations in handset receiving signal strength).

Also the transmission of the ALI information is subject, in part, to system constraints within the wireless network to which the E911 signal is transmitted and over which Personal communication Devices, LLC has no control.

Finally, customers are advised that the PB20ZU ALI capability is to be used for E911 purposes only.

HEARING AID COMPATIBILITY WITH MOBILE PHONES

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

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

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

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RECYCLING INFORMATION

The RBRC™ battery recycling seal on the lithium-ion (Li-ion) battery/battery pack indicates personal communications devices, LLC is voluntarily participating in an industry program to collect and recycle these battery/battery packs at the end of their useful life, when taken out of service in the united states or Canada. The RBRC™ program provides a convenient alternative to placing Li-ion batteries into the trash or municipal waste stream, which is illegal in some areas. Please call 1-800-822-8837 for information on Li-ion battery recycling in your area. Personal Communications Devices, LLC involvement in this program is part our commitment to preserving our environment and conserving our natural resources. (RBRC™ is a trademark of the rechargeable battery recycling corporation.)

COMPLIANCE WITH ADDITIONAL FCC REGULATIONS

Never violate any of the following rules and regulations of the FCC when using your mobile phone. Such violations are punishable by fine, imprisonment or both.

- Never use obscene, indecent, or profane language.
- Never use your cellular phone to send false distress calls.
- Never wiretap or otherwise intercept a phone call, unless you have first obtained the consent of the parties participating in the call.
- Never make any anonymous calls to annoy, harass, or molest other people.
- Never charge another account without authorization, to avoid payment for service.

- Never willfully or maliciously interfere with any other radio communications.
- Never refuse to yield the line when informed that it is needed for an emergency call. Also, never take over a line by stating falsely that it is needed for an emergency.