MOTOROLA A1600
Asia/EMEA User's Guide 12/05/07

Dummy Page - To be discarded before printing

HELLOMOTO

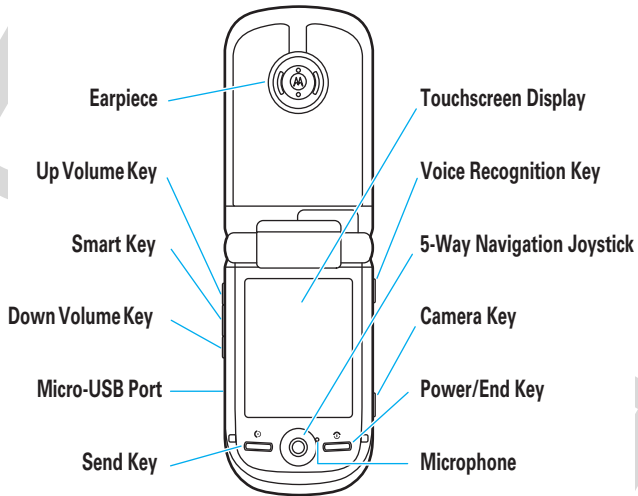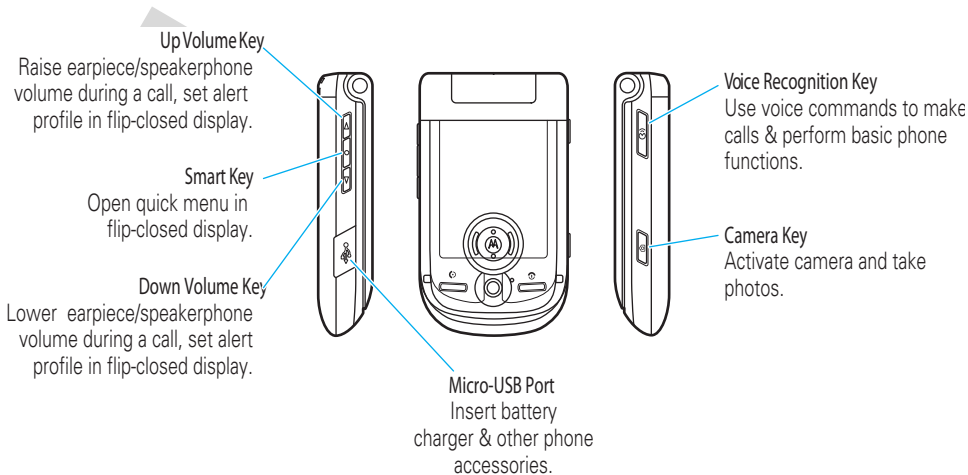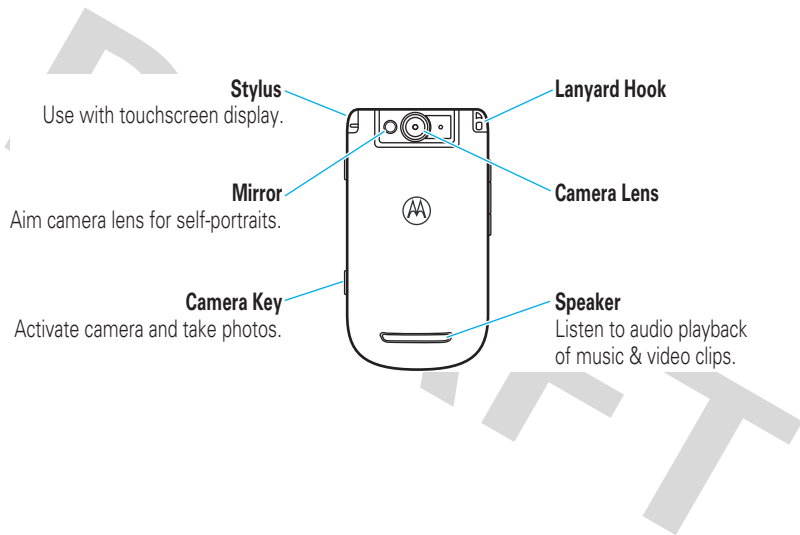Introducing your new Motorola A1600 touchscreen phone. It gives you so much and with a sleek design it's sure to get attention!

- **My Phone, My Way** — It's your phone—make it that way. Customize your home screen (page 40) with personal pictures, change wallpapers, and use your favorite tune as your ringtone.

- **Connect on So Many Levels**—Whether it's with work, family, or friends, stay connected with voice (page 25), text messaging (page 58), e-mail (page 69) and much more.

- **Where You Are and Where You're Going**—Use the MotoNav GPS personal navigation system (page 103) to help you get to where you want to go.

- **Rich Music Experience**—Use the RealOne player (page 87) to set your playlist for your morning commute or watch your favorite music video.

- **Camera**—Capture the moment with photos (page 89) and video (page 94).

- **Convenient extras**—At home or away, make use of handy tools like Alarm (page 126), Calendar (page 75), Business Card Reader (page 83) and Talking Dictionary (page 103).

- **For more information**: To see help on your phone tap ⑦.

Here's a quick anatomy lesson:

Earpiece

Up Volume Key

Smart Key

Down Volume Key

Micro-USB Port

Send Key

Touchscreen Display

Voice Recognition Key

5-Way Navigation Joystick

Camera Key

Power/End Key

Microphone

Up Volume Key
Raise earpiece/speakerphone volume during a call, set alert profile in flip-closed display.

Smart Key
Open quick menu in flip-closed display.

Down Volume Key
Lower earpiece/speakerphone volume during a call, set alert profile in flip-closed display.

Micro-USB Port
Insert battery charger & other phone accessories.

Voice Recognition Key
Use voice commands to make calls & perform basic phone functions.

Camera Key
Activate camera and take photos.

3

Stylus
Use with touchscreen display.

Mirror
Aim camera lens for self-portraits.

Camera Key
Activate camera and take photos.

Lanyard Hook

Camera Lens

Speaker
Listen to audio playback of music & video clips.

contents

8

menu map

main menu

- 🔊 **Calls**
- 📓 **Notes**
- 🗓 **Calendar**
- 🌐 **Browser**
- 🗂 **My Favorites**
- ✉ **Email**
- ⏰ **Alarm**
- 🔢 **Calculate**
- 📷 **Camera**
- 🎙 **Recorder**
- ✔ **Tasks**
- ❓ **Help**

- 🎥 **Video**
- 🖼 **Photo Editor**
- 📠 **Modem**
- 🟦 **Bluetooth®**
- 📥 **Sync**
- 📇 **STK** *
- 🕐 **Time**
- 📻 **FM Radio**
- ⬜ **Viewer**
- 🗒 **Business Card Reader**
- 🧭 **GPS**
- 🔲 **OCR**
- 🗂 **Talking Dictionary**

- ⚙ **Setup**
  - Ringer Alert Style
  - Wallpaper
  - Color Scheme
  - Text size
  - Voice command
  - USB mode
  - Backlight setup
  - Software update
  - Language
  - Input Setup
  - Screen Calibration
  - Power Management
  - Home Screen Setup
  - Data Network
  - Security
  - Master Reset
  - Master Clear

* Network Dependent

This is the standard main menu layout.
Your phone's menu may be a little different.

Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your mobile device.*

Exposure to Radio Frequency (RF) Energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate with your mobile device, the system handling your call controls the power level at which your mobile device transmits.

Your Motorola mobile device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

For optimal mobile device performance and to be sure that human exposure to RF energy does not exceed the guidelines set forth in

the relevant standards, always follow these instructions and precautions.

External Antenna Care

If your mobile device has an external antenna, use only a Motorola-supplied or approved replacement antenna. Use of unauthorized antennas, modifications, or attachments could damage the mobile device and/or may result in your device not complying with local regulatory requirements in your country.

DO NOT hold the external antenna when the mobile device is IN USE. Holding the external antenna affects call quality and may cause the mobile device to operate at a higher power level than needed.

Product Operation

When placing or receiving a phone call, hold your mobile device just like you would a landline phone.

If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola—or if you hang your mobile device from a lanyard around your neck—keep the mobile

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* The information provided in this document supersedes the general safety information in user's guides published prior to May 1, 2007.

device and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

When using any data feature of the mobile device, with or without an accessory cable, position the mobile device and its antenna at least 2.5 centimeters (1 inch) from your body.

Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our Web site at: **www.motorola.com**.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your mobile device with your implantable medical device, consult your health care provider.

Driving Precautions

Check the laws and regulations on the use of mobile devices in the area where you drive. Always obey them.

When using your mobile device while driving, please:

- Give full attention to driving and to the road. Using a mobile device may be distracting. Discontinue use if you can't concentrate on driving.

- Use handsfree operation, if available.

- Pull off the road and park before making or answering a call if driving conditions so require.

- Do not place a mobile device in the airbag deployment area.

Responsible driving practices can be found in the "Smart Practices While Driving" section in this user's guide and/or at the Motorola Web site: **www.motorola.com/callsmart**.

Note: The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving. Additionally, the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Operational Warnings

Obey all posted signs when using mobile devices in public areas.
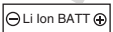
Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often but not always posted and can include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain dust, or metal powders.

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

Your battery, charger, or mobile device may contain symbols, defined as follows:

Symbol	Definition
⚠	Important safety information follows.
🔥	Do not dispose of your battery or mobile device in a fire.
♻	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
🗑	Do not throw your battery or mobile device in the trash.
⊖ Li Ion BATT ⊕	Your mobile device contains an internal lithium ion battery.
☂	Do not let your battery, charger, or mobile device get wet.

Symbol	Definition
	Listening at full volume to music or voice through a headset may damage your hearing.

Batteries and Chargers

Caution: Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see the "Battery Use & Battery Safety" section in this user's guide.

Choking Hazards

Your mobile device or its accessories may include detachable parts, which may present a choking hazard to small children. Keep your mobile device and its accessories away from small children.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are very tired.

Caution About High Volume Usage

 Listening at full volume to music or voice through a headset may damage your hearing.

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of

your body. If you continue to have discomfort during or after such use, stop use and see a physician.

FCC Notice to Users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC-ID:xxxxxx on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

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. See 47 CFR Sec. 15.19(3).

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 the receiver.
- Connect the equipment to 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.

Use and Care

To care for your Motorola phone, please keep it away from:

liquids of any kind

Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture. If it does get wet, don't try to accelerate drying with the use of an oven or dryer, as this may damage the phone.

extreme heat or cold

Avoid temperatures below 0°C/32°F or above 45°C/113°F.

microwaves

Don't try to dry your phone in a microwave oven.

dust and dirt

Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.

cleaning solutions

To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.

the ground

Don't drop your phone.

European Union Directives Conformance Statement

Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

Approval Number from your product's label in the "Search" bar on the Web site.

IMEI: 350034/40/394721/9

CE 0168

Type: MC2-41H14

Product Approval Number

The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at **www.motorola.com/rtte**. To find your DoC, enter the Product

Caring for the Environment by Recycling

This symbol on a Motorola product means the product should not be disposed of with household waste.

Disposal of your Mobile Device and Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region. Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at: **www.motorola.com/recycling**

Disposal of your Mobile Device Packaging and User's Guide

Product packaging and user's guides should only be disposed of in accordance with national collection and recycling requirements. Please contact your regional authorities for more details.

essentials

about this guide

This guide describes the basic features of your Motorola wireless phone.

symbols	
🅰	This means a feature is network, SIM card, or subscription dependent and may not be available in all areas. Contact your service provider for more information.
🔲	This means a feature requires an optional accessory.

SIM card

Your Subscriber Identity Module (SIM) card stores your phone number and other information.

Caution: Don't bend or scratch your SIM card. Keep it away from static electricity, water, and dirt. Turn off your phone and remove the battery before you install or remove the SIM card.

insert your SIM card

1

2
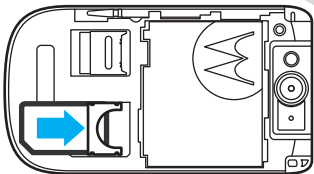
memory card

You can store photos, sounds, and other multimedia files on an optional, removable memory card.

insert memory card

Remove the battery door, then slide and lift the memory card tab out of the way as shown. Insert the memory card with metal contacts facing down, then replace the memory card tab.

1

2
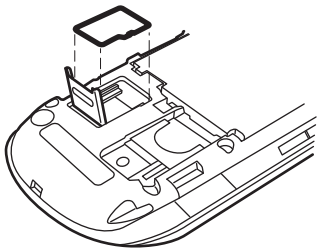
3
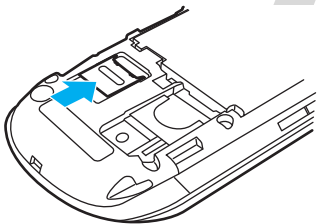
battery

battery use and safety

- **Motorola recommends you always use Motorola-branded batteries and chargers.** The warranty does not cover damage caused by non-Motorola batteries and/or chargers. **Caution:** Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard. Improper battery use, or use of a damaged battery, may result in a fire, explosion, or other hazard.
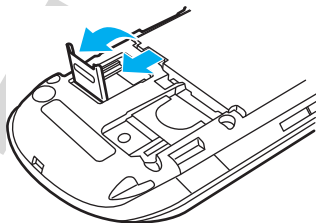
- Battery usage by children should be supervised.

- **Important:** Motorola mobile devices are designed to work best with qualified batteries. If you see a message on your display such as Invalid Battery or Unable to Charge, take the following steps:

- Remove the battery and inspect it to confirm that it bears a Motorola "Original Equipment" hologram;

- If there is no hologram, the battery is not a qualified battery;

- If there is a hologram, replace the battery and retry charging it;

- If the message remains, contact a Motorola Authorized Service Center.

- New batteries or batteries stored for a long time may take more time to charge.

- **Charging precautions:** When charging your battery, keep it near room temperature. Never expose batteries to temperatures below 0°C (32°F) or above 45°C (113°F) when charging. Always take your mobile device with you when you leave your vehicle.

- When storing your battery, keep it in a cool, dry place.

- It is normal over time for battery life to decrease, and for the battery to exhibit shorter runtime between charges or require more frequent or longer charging times.

- **Avoid damage to your battery and/or mobile device.** Do not disassemble, open, crush, bend, deform, puncture, shred, or submerge the battery or mobile device. Avoid dropping the battery or mobile device, especially on a hard surface. If your battery or mobile device has been subjected to such damage, take it to a Motorola Authorized Service Center before using.

- **Keep away from heat sources.**

  - Never expose your battery to heat sources. Do not attempt to dry a wet or damp battery with an appliance or heat

essentials **21**

source, such as a hair dryer or microwave oven.

- Avoid direct exposure to summer sun for prolonged periods.

- Do not leave your battery or mobile phone in an unattended vehicle. Environments inside a vehicle can vary between extreme heat or cold, both of which can damage your battery.

- **Use care when handling a charged battery**—particularly when placing it inside a pocket, purse, or other container with metal objects. Contact with metal objects (such as jewelry, keys, or beaded chains) could complete an electrical circuit (short circuit), causing the battery to become very hot, which could cause damage or injury.

Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling center for proper battery disposal.
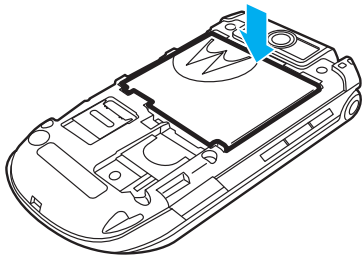
Warning: Never dispose of batteries in a fire because they may explode.

insert the battery
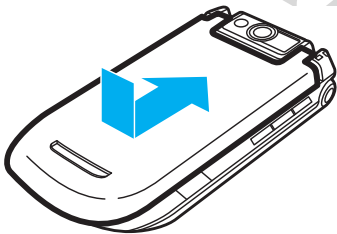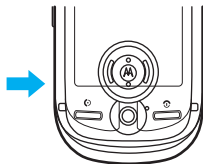
1
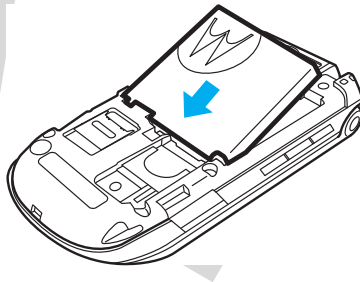
2

3

battery charging

New batteries are not fully charged. Plug the battery charger into your phone and an electrical outlet. Your phone might take several seconds to start charging the battery. When finished, your display shows **Charge Complete**.

Tip: Relax, you can't overcharge your battery. It will perform best after you fully charge and discharge it a few times.

Note: You can charge the battery when the phone is off or the battery is completely discharged.

Note: You can charge your battery by connecting a cable from your phone's mini-USB port to a USB port on a computer. Both your phone and the computer must be turned on, and your computer must

have the correct software drivers installed. Cables and software drivers are available in Motorola Original data kits, sold separately.

turn it on & off

Caution: On power up, the phone may prompt you to enter your SIM card PIN code to unlock the SIM card. If you enter an incorrect PIN code three times before the correct code, your SIM card is disabled and your display shows **SIM Blocked**. Contact your service provider.

To turn on your phone, press and hold Ⓞ for a few seconds or until the display lights up. If prompted, enter your eight-digit SIM card PIN code and/or four-digit unlock code.
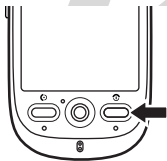
To turn off your phone, press and hold Ⓞ for a few seconds.

If you don't insert a SIM card, your phone shows **No SIM Card**. You can select **Antenna On** (to make an emergency call) or **Antenna Off** (to use the phone's non-calling features).

You can turn off the phone's antenna in locations where wireless phone use is prohibited, or when you just want to use the phone's non-calling features (games or personal organizer). Tap the status bar to open the device status screen, then tap the Antenna drop-down menu to select **On** or **Off**.

make a call

1 Tap ⏏ in the top global navigation bar to open the phone keypad.

2 Tap the keypad keys to dial the phone number.

3 Tap **Call** or press the send key 📞 to make the call.

4 When you are finished, tap **End** or press the end key 📞 to end the call.

Tip: Tap 🔄 to select a number from a list of recent received or dialed calls.

Tip: If you need to use the phone keypad during a call (for example, to dial an extension or make a conference call), tap the keypad button ⠿ from the in-call screen. Tap 📞 to return to the in-call screen.

Note: Closing the phone flip doesn't end a call when the handsfree speaker is turned on (for more information about the handsfree speaker, see page 34).

Note: Your service provider programs one or more **emergency phone numbers**, such as 911 or 112, that you can call under any circumstances, **even when your phone is locked or the SIM card is not inserted**. Check with your service provider, as emergency numbers vary by country. Your phone may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues. Do not solely rely on your wireless phone for essential communications, such as medical emergencies.

answer a call

When you receive a call, your phone rings and/or vibrates and shows an incoming call message.

Tap **Answer** or press N to answer the call.

Tip: You can press the volume keys to mute the ringer before answering the call.
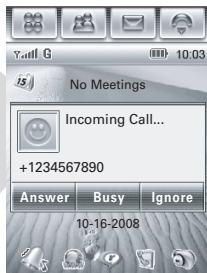
When the phone flip is closed: Open the phone flip to answer the call. (To activate or turn off this feature, see page 43.)

When the phone flip is open: Tap **Answer** or press the *send key* 🔘 to answer the call.

When you are finished, tap **End** or press the end key 🔲 to end the call.

Tip: If you prefer not to answer the call, you can tap **Ignore** to hang up on the caller, or tap **Busy** to transmit a busy tone signal to the caller (tapping **Busy** may divert the incoming call to your voicemail inbox).

your phone number

To view your phone number:

1 Tap 🔘 in the top global navigation bar to open the phone keypad.

2 Tap ☰ in the bottom button bar to open the phone menu.

3 Tap **My Number** to see your phone number.

To see your phone number while you're on a call, tap ☰ and then tap **My Number**.

To **store** or edit your name and phone number on your SIM card:

1   Tap 🔄 in the top global navigation bar to open the phone keypad.

2   Tap ☰, then tap **Setup** to open the phone setup menu.

3   Tap **My Number** to open the number editor.

4   Enter your name and number (for line 1 and line 2, if applicable), then tap **Ok** to store the information.

If you don't know your phone number, contact your service provider.

help

Your phone has an online help system with search capabilities that let you search by activities or by phone features. To start the help system, tap ⑦ Help in the application launcher screen.

To learn about individual actions, select one of the icons in the top half of the help screen. To find out more about a feature, select one of the phone features in the bottom half of the screen. To narrow your search, you can select an action and then select the phone feature used to complete the action. Select up to 3 icons, then tap **Search to see the list** of topics for the search.

basics

See pages 1, 3, and 4 for basic phone diagrams.

display

The *home screen* appears when you turn on the phone.

Status Bar

Tap ⚏ to open the calendar.

Tap ☺ to set a ring alert profile.

Global Navigation Bar

Application Icons

No Meetings

10-12-2007
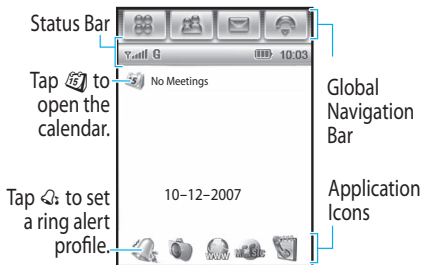
Note: Your home screen might look different from the one shown, depending on your service provider.

The home screen shows the next calendar event (if any) scheduled for the current day. Icons at the bottom of the screen provide shortcuts to commonly used applications.

You can use all of your phone's features by tapping on the global navigation bar icons, application icons, buttons, and text with the provided stylus.

To change the options that you see in the home screen, tap [⊞] to go to the application launcher screen, tap 🗲 Setup, then tap **Home Screen Setup**.

Tip: Tap an unused area of the home screen to see an unobstructed full-screen view of the wallpaper

(background) image. Tap the full-screen wallpaper image to return to the home screen display

global navigation bar

Icons in the top *global navigation bar* give you easy access to your phone's primary functions:

88	Application Launcher
23	Address Book
⊠	Messages
⌃	Phone

Additionally, your phone shows a new message icon [!] in the global navigation bar to notify you of a new message or a missed call. Tap [!] to see information about the message or missed call.

application launcher

Tap the application launcher icon [88] in the global navigation bar to open the application launcher screen.

Application Launcher Icon (Selected)

Applications

Status Bar

Scroll Bar

Button Bar
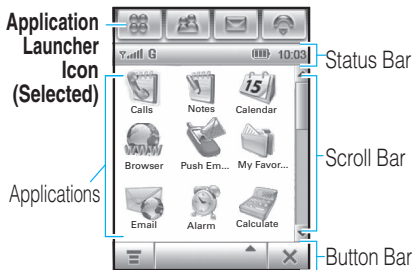
Tap the button in the bottom center of the screen to see All application icons, or to see application icons in predefined categories. If necessary, tap the scroll bar on the right side of the screen to see additional application icons. Tap an application icon to select it.

Tip: You can set your phone to show applications in a text-based list rather than graphic icons. Tap ☰, then

tap **List View** to change to list view. From list view, tap
▤, then tap **Thumbnail View** to reset the graphic icons.

See page 9 for icons that identify applications available
on the application launcher screen.

button bar

The button bar shows functions you can select in the
active application. Typical buttons include:

▤	Menu	Tap to open context sensitive menu.
↩	Return	Tap to return to previous screen.
✕	Exit	Tap to exit current application.

status bar

Tap the status bar to open the device status screen
and see phone status information.

The following indicators can appear in the status bar:


```
Y▦⊪  E  ▧  ⊠ FM        ▥ 17:20
 1   2  3  4  5          6    7
```
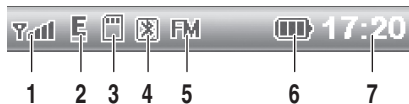
1 Signal Strength Indicator – Vertical bars show
the strength of the network connection. You can't
make or receive calls when Y▪ or Y✕ appears.

2 Network Indicator – Shows when your
phone is using a *Enhanced Data for GSM
Evolution* (EDGE **E**), or *General Packet Radio
Service* (GPRS **G**) network connection. When
data is being transferred the indicators show (☎
and ⬛).

3 Memory card – Shows when a memory
card is installed in your phone.

4   **Bluetooth® Indicator –** Shows when Bluetooth connection is active.

5   **FM Radio –** Shows when the FM Radio is on.

6   **Battery Level Indicator –** Vertical bars show the battery charge level. Recharge the battery when your display shows **Low Battery**.

7   **Clock –** Shows current time.

text entry

Multiple text entry methods make it easy for you to enter names, numbers, and messages. The method you select remains active until you select another method.

Tap a text entry area on the screen to bring up a text entry window. If necessary, tap the entry method drop-down menu at the bottom of the screen to select a text entry method.

Tap ⌨ in the lower right corner of the screen to hide the text entry keyboard or pad when you are finished, or when you want to use the button bar functions.

handwriting

You can use the stylus as a pen to write letters, numbers, and punctuation directly on the screen.

In a text entry window, tap the entry method drop-down menu and tap **Handwriting** to open the handwriting pad. Tap a button on the handwriting pad to select Chinese characters, English text, or numbers as the type of text you want to enter.

Use the stylus to write in one of the two writing spaces. For best performance, alternate between the writing spaces so that recognition can occur in one while you are writing in the other.

Write a text character, then wait for your phone to recognize and place it in the text entry window. If your phone places an incorrect character, tap the character in the choice area that you want to replace it.

Your phone can use a predictive text function to predict the word you are writing. Tap a word in the prediction area to place it in the text entry window. To activate predictive text entry, see page 33.

To enter special characters or edit text, use the function buttons described on page 32.

English keyboard

Use the English keyboard to enter letters and numbers at the cursor location in the text entry window.

numeric pad

Use the numeric pad to enter digits and/or numeric symbols at the cursor location in the text entry window.

1	2	3	←
4	5	6	.*#+
7	8	9	0

function buttons

Tap %#+ with any text entry method to open the symbol pad, to enter a symbol at the cursor location. Tap 🔒 to lock or hide the symbol pad.

To delete the character to the left of the cursor, tap ←.

To move the cursor to the next line, tap ⏎.

To enter a space at the cursor location, tap ⎵.

Tip: Tap a location in the text entry window to move the cursor to that location.

adjust text input settings

You can set your preferred input method, primary and secondary language preferences, specify your writing hand (left or right) and handwriting speed, activate word prediction and word completion, activate a user dictionary, and apply a watermark to the text you enter.

Tap 🛠 **Setup** in the application launcher screen, then tap **Input Setup** to open the input setting screen. Adjust settings, then tap **Save** to save your settings and return to the setup screen.

tap and hold

When using phone applications, in many cases you can tap and hold on an icon, file, or field to open a pop-up menu to perform various operations on the selected item. If the specific task you want to perform in an application is not already listed in the display, try using tap and hold to see if the feature you want is available in a pop-up menu.

volume

Press the volume keys to:

- turn off an incoming call alert or event alert (phone flip open or closed)

- change the earpiece or speakerphone volume during calls (phone flip open or closed)

- change the volume when playing a song or video clip (phone flip open or closed)
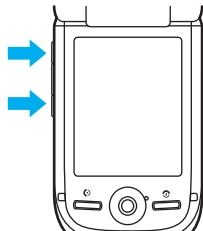
When the phone flip is closed, press the volume keys to set your phone's ring alert profile. For more information, see page 35.

When the phone flip is open, tap ☺ in the home screen to set the ring alert profile. For more information, see page 40.

navigation joystick

Press the *navigation joystick* Ȯ up, down, left, or right to scroll to and highlight menu items. When you highlight something, press in the joystick ◆ to select it.

This guide describes how to use the stylus and touchscreen control to use features. In most cases, it doesn't include the equivalent joystick control for using the feature.

smart key

The smart key gives you another way to do things. When you scroll to a menu item, you can press the smart key to select it (instead of pressing in the joystick ◆).
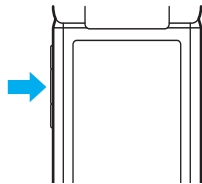
When the phone flip is closed, you can press the smart key to open the quick menu and select items in the flip-closed display. For more information, see the following section.

handsfree speaker

You can use your phone's handsfree speaker to make calls without holding the phone to your ear.

To turn the handsfree speaker on or off during a call, tap **Spkr**.

Note: The handsfree speaker won't work when your phone is connected to a handsfree headset accessory.

flip-closed features

When your phone flip is closed, the display shows the time and date, and indicates phone status, incoming calls, and other events. For a list of phone status indicators, see page 30.

You can use the volume keys and smart key to access phone features when the phone flip is closed. Features described in this section are available with additional functionality when the phone flip is open.

unlock phone keys

When the phone flip is closed, your phone automatically locks the side phone keys after a period of inactivity, to prevent accidental keypresses (for example, when carrying the phone in a purse or pocket). To unlock the phone keys, press a key two times in a row within four seconds.

set ring alert profile

1 Press the volume keys to scroll to a ring alert profile.

2 Press the smart key to select the ring alert profile.

For more information about setting and using ring alert profiles, see page 40.

return unanswered call

Note: You must have a headset plugged in or paired with your phone to return a call when the phone flip is closed.

Your phone keeps a record of your unanswered calls, and shows X Missed Calls in the flip-closed display. To **return** a missed call:

1 Press the smart key to open the missed calls list.

2 Press the volume keys to scroll to an unanswered call.

3 Press the smart key to call the number.

To **end** the call, press the Send/End button on the headset, or press the smart key on your phone.

To **exit** the missed calls list, use the volume keys and smart key to scroll and select **Back** in the missed calls list.

use the quick menu

To open the quick menu in the flip-closed display, press the smart key when the home screen is visible. You can select the following features in the quick menu:

- **RealOne Player**

- **Camera**

- **Recent Calls**

- **Hide Menu**

To select a feature, press the volume keys (see illustration on page 3) to scroll to it, then press the smart key to select it.

When the RealOne media player is active, press the smart key to open the controls menu, then use the volume keys and smart key to scroll and select menu options. To exit the media player, select **Exit** in the controls menu. For more information about using the RealOne media player, see page 87.

When the camera is active, press the camera key or select **Capture** in the active viewfinder to take a picture. To exit the camera, select **Back** in the active viewfinder. For more information about using the camera, see page 108.

Note: When a headset is plugged in or paired with your phone, you can also select the **Recent Calls** list from the quick menu. For information on how to call a

number in the recent calls list, see "return unanswered call" on page 35.

speakerphone

When you activate your phone's handsfree speakerphone, you can talk to the other party without holding the phone to your ear.

During a call, tap Spkr to turn the handsfree speakerphone on or off. The handsfree speakerphone remains on until you tap Spkr again or turn the phone off.

The handsfree speakerphone is disabled when you connect your phone to a handsfree headset accessory.

codes & passwords

Your phone's four-digit **unlock code** is originally set to **1234**. The six-digit **security code** is originally set to

000000. If your service provider didn't change these codes, you should change them.

You can also change your **SIM PIN** or call barring passwords.

To change a code or password, tap ✿ Setup in the application launcher screen, tap Security, then tap Change Passwords to open the change passwords screen.

If you forget your unlock code: At the Enter Unlock Code prompt, try entering 1234 or the last four digits of your phone number. If that doesn't work, tap ☰ to open the unlock code bypass screen. Enter your security code, then tap OK.

If you forget other codes: If you forget your security code, SIM PIN code, PIN2 code, or call barring password, contact your service provider.

Voice Print

The Voice Print feature allows you to record and use a spoken *pass-phrase* to unlock your phone each time it is turned on.

Tip: To ensure best performance, your Voice Print pass-phrase should contain at least five words.

To **record** your pass-phrase: Make your recording in a quiet location. Tap ⚙ Setup in the application launcher screen, tap Security, then tap Voice Print to open the speaker verification screen. Tap Training, and follow the on-screen prompts to record your passphrase.

To **activate or deactivate** speaker verification: Tap ⚙ Setup in the application launcher screen, tap Security, then tap Voice Print to open the speaker verification screen. Tap the Voice Print pull-down menu, then tap On or Off. The phone prompts you to speak your pass-phrase to confirm your identity.

When Voice Print is activated, the phone prompts you to press the voice recognition key (see illustration on page 3) and speak your pass-phrase to unlock the phone each time you turn it on.

If you forget your Voice Print pass-phrase: When prompted to speak your pass-phrase, tap Enter Unlock Code, enter your unlock code, then tap OK to open the home screen.

Tip: Change your unlock code to ensure that unauthorized users can't bypass Voice Print security by entering the default unlock code.

lock & unlock phone

You can lock your phone to keep others from using it. To lock or unlock your phone, you need the Voice Print pass-phrase or four-digit unlock code. For instructions on how to lock or unlock your phone using Voice Print, see the previous section.

To **automatically lock** your phone after a specified period of inactivity: Tap ⚙ Setup in the application launcher screen, tap Security, then select a Phone Lock timer setting. Your phone prompts you to enter the unlock code. Enter your unlock code to activate phone lock.

To automatically lock your phone whenever you turn it off: Tap ⚙ Setup in the application launcher screen, tap Security, then set Phone Lock to Power On.

To **unlock** your phone: When you see the Enter Unlock Code prompt, enter your unlock code to unlock the phone.

Tip: Your phone's unlock code is originally set to 1234. Many service providers reset the unlock code to the last four digits of your phone number.

Note: You can make emergency calls on a locked phone (for more information, see page 48). You can also receive and answer incoming calls when the phone is locked.

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personalize

ring style

Each ring style profile uses a different set of sounds or vibrations for incoming calls and other events. Here are the profiles you can choose:

📳 Ring Loud		📳 Vibe & Ring Loud	
📳 Vibe then Ring Loud		📳 Ring Soft	
📳 Vibe then Ring Soft		📳 Silent	
📳 Vibrate			

The ring style profile's indicator appears in the lower-left corner of your home screen.

set the ring alert profile

When the phone flip is closed: Press the volume keys to scroll to the ring style profile you want, then press the smart key to select it.

When the phone flip is open: Tap 📳 in the home screen to set the ring style profile.

change alerts in a ring style profile

You can change the alerts for incoming calls and other events. Your changes are saved in the current profile.

Note: *Style* represents the current ring style. You can't set an alert for the Silent ring style setting or change some settings for some profiles.

1 Tap 🌸 Setup in the application launcher screen, then tap Ringer Alert Style.

2 Tap a profile, then tap **Edit** to adjust alert settings to personalize the profile. You can change the alerts used to notify you of incoming calls and messages, set ringer IDs, and adjust alert volume, touchscreen volume, and keypad volume. Any changes you make are saved to the profile.

time

Your phone can show the current time and date for multiple cities around the world.

Tap **Time** in the application launcher screen to see the time screen.

You can reset the time and date for a listed city. Tap the time and/or date field to change it. Tap **OK** to save your changes.

Tap ☰, then tap **Setup** to adjust date and time display formats, and to manually adjust daylight savings time settings (if necessary).

To replace a city listing in the world time screen, tap the city name, then tap **Browse...** to see the time zone map. Tap the city name again to see a city list. Select a new city, then tap **OK** to store it.

Alternatively, tap a time zone in the time zone map to see a list of cities in that time zone. Select a new city, then tap **OK** to store it.

wallpaper

Set a photo, picture, or animation as a wallpaper (background) image in your home screen.

1 Tap ⚙ **Setup** in the application launcher screen, then tap **Wallpaper**.

2 Tap a photo/picture thumbnail image to set it as the wallpaper image. Tap the full-screen image preview to return to the wallpaper menu.

3 Tap **OK** to save your settings.

Tip: Tap an unused area of the home screen to see an unobstructed full-screen view of the wallpaper image. Tap the full-screen wallpaper image to return to the home screen

color scheme

Set the colors that your phone uses for buttons, highlights, and the status bar.

Note: This feature changes the look and feel of the phone's user interface, including the icons that you see in the top global navigation bar.

1 Tap ⚙ **Setup** in the application launcher screen, then tap **Color Scheme**.

2 Tap a thumbnail image to select it as the color scheme. Your phone shows a brief preview of the selected color scheme.

3 Tap **OK** to save your settings.

backlight

1 Tap ⚙ **Setup** in the application launcher screen, then tap **Backlight Setup**.

2 Tap ◄ and ► to decrease or increase backlight brightness.

3 Tap **Backlight Sleep Time** to set the amount of time that the backlight remains on.

4 Tap **OK** to save your settings.

Note: To extend battery life, the backlight turns off automatically when no activity is detected for a period

of time. The backlight turns back on when you tap the screen or press any key.

flip answer

Set your phone to automatically answer calls when you open the phone flip.

1 Tap 🔽 in the global navigation bar to open the phone keypad.

2 Tap ☰, then tap **Setup** 🦅 to open the phone setup menu.

3 Tap the check box ☐ beside **Flip Answer**. A check mark ☑ indicates that flip answer is activated.

4 Tap ↩ to exit the phone setup menu.

shortcuts & main menu

home screen shortcuts

In the home screen, you can display your favorite features. You can change the features that are displayed:

1 Tap 🦅 **Setup** in the application launcher screen, then tap **Home Screen Setup**.

2 Tap the shortcuts drop down menu and select a feature.

3 Tap **Save** to save your settings.

main menu appearance

To make your **main menu appearance** either graphic icons or a text-based list, tap ⊞, then ☰ and then **List View** or **Thumbnail View**.

auto answer

To turn on or turn off the auto answer option:

1 Tap 🔽 in the global navigation bar to open the phone keypad.

2 Tap ☰, then tap **Setup** to open the phone setup menu.

3 Tap the check box ☐ beside **Auto Answer**. A check mark ☑ indicates that auto answer is activated.

4 Tap **Save** to save your settings.

5 Tap ↙ to exit the phone setup menu.

calls

To make and answer calls, see pages 25 and 26.

turn off a call alert

You can press the volume keys to turn off a call alert before answering the call.

recent calls

Your phone keeps lists of incoming and outgoing calls, even for calls that didn't connect. The most recent calls are listed first. The oldest calls are deleted as new calls are added.

Shortcut: Press the send key $\boxed{\textcircled{\tiny{•}}}$ to go to the recent calls list from any menu. Use the five-way navigation joystick $\cdot\dot{\textbf{Q}}\cdot$ to scroll to a number, then press $\boxed{\textcircled{\tiny{•}}}$ to call it.

To **dial** a number in the recent calls list:

1 Tap $\boxed{\frown}$ in the global navigation bar to open the phone keypad.

2 Tap $\boxed{\textbf{K}}$ to open the recent calls menu.

3 Tap Answered Calls, Missed Calls, or Dialed Calls to select a call list.

4 Tap an entry to call its number.

To **see** details or perform other operations on an entry in the recent calls list:

1 Tap $\boxed{\textbf{5}}$ Recent Calls in the application launcher screen to open the call history screen.

2 Tap Answered Calls, Missed Calls, or Dialed Calls to select a call list.

3 Tap an entry to see call details (time, date, duration).

4 Tap **Call** to call its number, or tap **≡** to perform the following operations:

options	
Store	Create an address book entry with the number.
Send SMS	Open a new text message with the number in the **To** field.
Send MMS	Open a new multimedia text message with the number in the **To** field.
Delete	Delete the entry.

redial

If you hear a **busy signal**, and you see Call Failed, Number Busy, tap **Redial** to redial the number.

To **activate** the automatic redial feature:

1 Tap 📞 in the global navigation bar to open the phone keypad.

2 Tap **≡**, then tap **Setup** to open the phone setup menu.

3 Tap the check box e beside **Auto Redial**. A check mark d indicates that automatic redial is activated.

4 Tap **Save** to save your settings.

5 Tap ↩ to exit the phone setup menu.

hold or mute a call

To put all active calls on hold, tap **Hold**. Tap **Hold** again to resume the call.

To turn off your phone's microphone during a call, tap **Mute**. Tap **Mute** again to resume the call.

call waiting

When you're on a call, you'll hear an alert if you receive a second call.

Tap **Answer** to put the first call on hold and answer the new call.

To switch between calls, tap **Switch**.

To connect the two calls, tap **Link**.

caller ID

Calling line identification (caller ID) shows the phone number for an incoming call in your phone's display.

Your phone shows the caller's name and picture when they're stored in your phonebook, or **Incoming Call** when caller ID information isn't available.

You can set your phone to play a different ringer ID for an entry stored in your phonebook (see page 51).

To show or hide **your phone number** from the next person you call:

1 Tap 🔽 in the global navigation bar to open the phone keypad.

2 Tap ☰, then tap **Setup** to open the phone setup menu.

3 Tap **Show ID** then tap **On** or **Off** to show or hide your caller ID for outgoing calls.

4 Tap **Save** to save your settings.

5 Tap ↵ to exit the phone setup menu.

Tip: Select **Network Controlled** to let the network determine your caller ID status.

cancel incoming call

While the phone is ringing or vibrating, tap **Ignore** to cancel the incoming call.

Depending on your phone settings and/or service subscription, the call may be forwarded to another number, or the caller may hear a busy signal.

emergency calls

Your service provider programs one or more emergency phone numbers, such as 911 or 112, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted.

Note: Check with your service provider, as emergency numbers vary by country. Your phone may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues. Do not solely rely on your wireless phone for essential communications, such as medical emergencies.

1 Tap ⌃ in the global navigation bar to open the phone keypad.

2 Tap the keypad keys to dial the emergency number.

3 Tap Call to make the call.

international calls

Open the phone keypad, tap ☰, tap Insert, then select Insert + to insert your local international access code (indicated by +). Then, tap the keypad keys to dial the country code and phone number.

Shortcut: Tap and hold the **0** key on the phone keypad to insert your international access code.

turbo dial

You can store up to nine phone numbers in the turbo dial list, then dial the numbers by tapping and holding a single keypad number key.

To **turbo dial** a phone number:

1 Tap ⌃ in the global navigation bar to open the phone keypad.

2 Tap and hold a keypad key to dial the phone number assigned to the key.

To **set up** the turbo dial numbers list:

1 Tap ⌃ in the global navigation bar to open the phone keypad.

2 Tap ☰, then tap Setup to open the phone setup menu.

3 Tap Turbo Dialing to open the turbo dial list.

4 Enter phone numbers in the turbo dial list.

dial numbers during a call

1 Tap the keypad button ⠿ to open the phone keypad.

2 Dial the numbers.

3 Tap 📞 to return to the in-call screen.

address book

You can store a contact list of names, phone numbers, and email addresses in your phone's electronic address book.

view contact list

Tap 👤 in the global navigation bar to open the address book. To change the way your contact list is shown, tap ☰, tap **Setup**, then tap the **Default List Display** drop-down menu to select **List View** or **Thumbnail View**.

Tap **Sort Names** by **Last name** or **First Name** to display your contacts. Tap **Default Memory Location** to set **Phone Memory**, **SIM Card Memory** or **Phone/SIM Memory** as the default location to store your contacts.

use category views

Defining categories for your contacts helps you manage address book information. You can classify contacts in different categories according to your communication needs, and see contacts by category. Your phone provides the following basic categories:

- **All** – Lists all contacts stored on your phone and on your SIM card.

- **Unfiled** – Lists contacts stored on your phone that are not assigned to a user-defined category. This is the default category setting for new contacts.

- **SIM Card** – Lists contacts stored on your SIM card.

In the contact list, tap the category button in the bottom button bar and select a category name to see only the contacts in that category.

view and edit contact details

1 In the contact list, tap a contact name to see its details.

2 Tap **Edit** to edit the contact. Your phone shows complete contact details.

3 To edit contact information, tap the direct line in the field you want to edit.

4 When you are finished editing contact information, tap **Done** to store your changes and return to the contact list.

add new contact

Contacts can be stored to phone memory or SIM card memory. To set the default storage location, see page 54.

Note: You can enter only a name and a single phone number for each contact that you store on the SIM card.

1 Tap ⊞ in the global navigation bar to open the address book.

2 Tap ☰, then tap **New Contact**.

3 On the new contact screen (shown at right), tap the **Photo** field to assign a picture ID to the entry. Your phone shows the picture when you receive a call from this contact.

4 Tap the direct line in a field to enter contact details. Pull down the scroll bar to see additional fields.
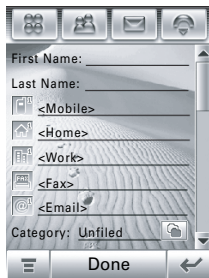
5 To set a distinctive ring tone for the contact, tap the Ring Tone field and select Browse. Scroll to select the desired tone and tap OK. Your phone sounds the tone when you receive a call from this contact.

6 When you are finished entering information, tap Done to store the contact.

create group

You can create a group mailing list consisting of multiple contacts stored in the address book. Groups make it easy for you to send a message to multiple recipients simultaneously.

1 Tap in the global navigation bar to open the address book.

2 Tap , then tap New Distribution List.

3 Tap Messaging or Email to specify the default type of message to send to the group, then tap OK. You

must enter a name for the group, and the group must contain at least one member.

4 When you finish entering information, tap Save to store the group.

call or send message

1 Tap in the global navigation bar to open the address book.

2 Tap a contact name to see its details.

3 In the details list:

• Tap the phone number following the mobile phone indicator to call the contact's mobile phone. Other indicators may identify other numbers stored for the contact (such as home, work, or fax).

- Tap the message indicator ✉ to the **right** of a phone number to send an SMS or MMS message to the number.

- Tap the email address following the email indicator ✉ to send an email message to the address. Alternatively, tap the message indicator ✉ to the **right** of the email address to send an MMS message to the address.

search

1 Tap 👥 in the global navigation bar to open the address book.

2 Tap ☰, then tap Find Contacts.

3 Select Contact's Name, Number, or Other, enter the desired information in the Search Text field, then tap Find.

Your phone shows the search result, or notifies you that no match can be found.

To continue searching, tap Find New.

To return to the contact list, tap ↩.

sort

1 Tap 👥 in the global navigation bar to open the address book.

2 Tap ☰, then tap Setup.

3 Tap the Sort Names By drop-down menu to sort the contact list by First Name or Last Name.

4 Tap Save to save the setting.

delete contact

1 Tap 👥 in the global navigation bar to open the address book.

2 Tap ☰, then tap Delete Contacts.

3 Check the contact(s) you want to delete, then tap Delete.

4 Tap OK to confirm the deletion.

storage location

Contacts can be stored to phone memory or SIM card memory. You can set the default memory location where new address book contacts are stored.

Note: You can enter only a name and a single phone number for each contact that you store on the SIM card.

1 Tap ![icon] in the global navigation bar to open the address book.

2 Tap ![icon], then tap Setup.

3 Tap the Default Memory Location drop-down menu to set the default memory location.

4 Tap Save to save the setting.

copy contacts

You can copy contacts between your phone and SIM card. This procedure does not delete the original contact.

Note: Your SIM card can store only a name and one phone number per contact.

1 Tap ![icon] in the global navigation bar to open the address book.

2 Tap ![icon], then tap Copy to SIM/Phone.

3 Select Phone to SIM or SIM to Phone, then tap OK.

4 Check the number(s) you want to copy. If you copy from the SIM card to phone memory, specify the number type.

5 Tap OK to copy the numbers to the new location.

categories

Your can create user-defined categories to organize your contacts.

create a new category

1 Tap [👥] in the global navigation bar to open the address book.

2 Tap the category button in the bottom button bar, then tap **Edit Category**.

3 Tap ☰, then tap **New** to create a new category.

4 Tap the **Name** field to assign a name to the category, then tap **OK**.

5 Tap **Add Members**, then check the contacts you want to add to the category.

6 Tap **Select** to add the selected contacts to the category.

add members to a user category

1 Tap [👥] in the global navigation bar to open the address book.

2 Tap the category button in the bottom button bar, then tap **Edit Category**.

3 Select the category, tap **Add Members**, then check the contacts you want to add to the category.

4 Tap **Select** to add the selected contacts to the category.

delete a user category

Note: You **cannot** delete the predefined categories in your address book.

1 Tap [👥] in the global navigation bar to open the address book.

2 Tap the category button in the bottom button bar, then tap **Edit Category**.

3 Select the category, tap $\equiv$, then tap Delete.

4 Tap OK to confirm the deletion.

check capacity

You can see the number of address book entries currently stored on the phone and SIM card, and the total number of entries you can store on the SIM card.

1 Tap [☎] in the global navigation bar to open the address book.

2 Tap $\equiv$, tap More, then tap Memory Status. Your phone shows the number of phone and SIM card contacts, and the SIM card capacity (number of contacts).

3 Tap ← to return to the address book.

share contact

You can share contact information with others by sending the data as a vCard to another phone, PC, or hand-held device.

1 Tap [☎] in the global navigation bar to open the address book.

2 Tap the name of the contact you want to send. Your phone shows contact details.

3 Tap $\equiv$, then tap Share.

4 Tap Bluetooth, then tap OK to exchange the data through a Bluetooth wireless connection.

or

Tap Message or Email, then tap OK to send the contact data in an MMS or email message.

5 Complete the setup procedure for the transfer method you selected.

6 Tap OK to send the contact information in a vCard.Tap ☰, then tap Share.

For more information about using a Bluetooth wireless connection, see page 106.

synchronize contacts

You can use MOTOSYNC to synchronize your address book contacts directly with a Microsoft™ Exchange 2003 server. For more information, see page 111.

owner's information

You can store information about yourself in the address book. Then, if you lose your phone, the person who finds it can contact you to return the phone.

1 Tap 📇 in the global navigation bar to open the address book.

2 Tap ☰, tap More, then tap Owner's Information.

3 If owner's information is stored, the phone show the owner's contact details. Tap Edit to edit the owner's information.

4 If owner's information is not stored, the phone shows the owner's information entry screen. Enter information as you would for a new contact (see page 51).

5 When you are finished entering information, tap Done to store the owner's information.

messages

text messages

You can send and receive SMS and MMS messages using the message center.

message center

Tap [✉] in the global navigation bar to go to the message center (shown at right).

Your messages are stored in different folders in the message center. The number to the right of each folder name indicates the
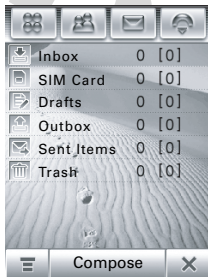
number of messages it contains. Tap a folder to see its contents.

The message center contains the following folders:

Inbox – Stores SMS and MMS messages you have received.

SIM Card – Contains SMS messages stored on your SIM card. You can move these messages to other folders.

Drafts – Temporarily stores messages that you are still writing.

Outbox – Stores your messages that have not yet been sent.

Sent Items – Stores copies of messages you have sent.

Trash – Stores messages you have deleted. If you have not permanently deleted a message, you can retrieve it.

You can create additional personal folders to organize and store your messages.

signature

You can store your signature and manually or automatically append it to the messages you send.

1 Tap 🖂 in the global navigation bar to go to the message center.

2 Tap ☰, then tap **Signature Editing** to open the signature editing screen.

3 Tap the direct line in the **Signature Content** field to enter your signature.

4 If you want your phone to automatically add your signature to all outgoing messages, tap the check

box ☐ below the signature. A check mark d indicates that automatic signature is activated.

5 Tap **Save** to store your signature.

send a text message

You can send an SMS short text message to other wireless phone users, and to email addresses.

To compose and send an SMS message:

1 Tap 🖂 in the global navigation bar to go to the message center.

2 Tap **Compose**.

3 Tap the message field, then tap the text entry method drop-down menu at the bottom of the screen and select an entry method to enter text in the message field. When you are finished, tap 📵 in the lower right corner of the screen to hide the text entry keyboard or pad.

Alternatively, you can tap ☰, tap **Load**, then tap **Quick Text** to insert a prewritten quick text note in the message field.

4 Tap **To** to select contacts from your address book, or tap the direct line in the **To** field to enter a phone number or email address.

5 Tap **Send** to send the message.

send a multimedia message

A Multimedia (MMS) message contains one or more pages with text and embedded media objects (including photos, pictures, animations, sounds, voice records, and/or video clips). You can send an MMS text message to other wireless phone users, and to email addresses.

To compose and send an MMS message:

1 Tap ▢ in the global navigation bar to go to the message center.

2 Tap **Compose**.

3 Tap the message field, then tap the text entry method drop-down menu at the bottom of the screen and select an entry method to enter text in the message field. When you are finished, tap ⌨ in the lower right corner of the screen to hide the text entry keyboard or pad.

Alternatively, you can tap ☰, tap **Load**, then tap **Quick Text** to insert a prewritten quick text note in the message field.

4 Tap a button in the media toolbar at the bottom of the screen to insert media objects on the page or attach files to the message.

- Tap ▣ to insert a picture, video, or new drawing on the page.

- Tap ♫ to insert a sound file or new voice record on the page.

- Tap 🅟 to activate the camera, take a photo or record a video clip, and insert it on the page.

- Tap 🔟 to attach a contact, event, task, or file to the message.

5 To add a new page after the current page, tap 🄳. Repeat steps 3 and 4 to enter contents for the new page.

6 Tap **To** to select contacts from your address book, or tap the direct line in the **To** field to enter a phone number or email addresses.

7 Tap **Cc**, **Bcc**, or **Subject** to enter additional recipients or a message subject. (Use the MMS menu, described below, to show or hide these fields). Tap **Send** to send the message.

8 Tap **Send** to send the message.

receive a text message

When you receive a new message, your phone shows the new message icon 📳 in the global navigation bar, and shows **New Incoming Message** or **Incoming MMS**, along with the sender's name or phone number.

Tap **Read** to read an SMS message, or download an MMS message to your phone. Tap **Cancel** to close the message notification screen without reading the message. The message is stored in the inbox.

To read the message later, tap 📳. Tap the message to see message details (sender, subject, time, and size).

Your phone reads message settings from the USIM card. If you put another USIM card in your phone, your phone sends and receives messages for the phone number on the new card.

features

tips for sending messages

When you enter an SMS text message, a counter at the top right corner of the display shows the number of characters left on the current page, and the number of pages you have written (character #>> page #). Network charges are based on the number of pages sent.

When you enter an MMS multimedia message, a counter at the top of the display shows the current message size in kilobytes. Another counter shows the number of pages.

When you manually enter phone numbers and/or email addresses in the **To** field, you must insert a comma between each entry.

features

unsent messages

Outgoing messages that failed to send or have not yet been sent are stored in the outbox. On the message center screen, tap **Outbox** to see its contents. Messages in the outbox are sorted from newest to oldest. Tap a message to read it. You can edit the message while it is open.

features

read and reply

Messages that you receive are stored in the inbox. On the message center screen, tap Inbox to see its contents. Messages in the inbox are sorted from newest to oldest. Tap a message to read it. Your phone shows the sender's name (if stored in your address book) or phone number, the message contents, and the time it was sent.

To **reply** to the message, tap Reply.

To **call** a phone number in the message, tap and hold the number.

To **copy text** in the message, highlight the text, then tap and hold.

features

deleted messages

Messages that you delete are stored in the trash folder. On the message center screen, tap Trash to see its contents. Tap a message to read it. You can edit the message while it is open.

Tap Delete All to permanently delete all messages in the trash folder.

messages on SIM card

On the message center screen, tap SIM Card to see the messages stored on your SIM card. Tap a message to read it.

store message object

To store a media object contained in a multimedia message, tap and hold the object

to open a pop-up menu, then select **Save** to store the object on your phone.

If the object is contained in a message attachment, tap and hold the attachment to open a pop-up menu, then select **Save** to store the object.

manage messages

sort mesages

On the **Inbox**, **Outbox**, or **Trash** screen, tap ≡, then tap **Sort By** to sort messages by **Time**, **Subject**, or **Name**.

drafts

On the message center screen, tap **Drafts** to see messages that you are still writing. You can edit the message while it is open, and then send it immediately.

create folders

To create personal folders for your messages:

1 Tap ≡, then tap **New Folder**.

2 Tap the direct line in the **Name** field to enter a name for the folder.

3 To lock the folder to prevent unauthorized access, tap the check box □ beside **Protected by Lock Code?** A check mark ☑ indicates that the folder lock feature is activated. If you lock the folder, your phone will prompt you for the unlock code when you open the folder or move messages to it.

4 Tap **Done** to save the folder.

move messages

You can move messages between folders. For example, you can move a message from the inbox to the SIM card folder and take it with you when you use your SIM card in another phone, or move it to a locked personal folder to prevent others from reading it.

To move messages to another folder:

1 Open the folder that contains the message(s) you want to move.

2 Tap ☰, then tap Move.

3 Tap the check box ☐ beside each message you want to move, or tap the check box beside All to select all messages. A check mark ☑ indicates that the message is selected.

4 Tap OK to open the move to folder screen.

5 Tap the destination folder, then tap OK to move the messages.

set up message inbox

1 Tap ☰, then tap Service Setup.

2 Tap Short Message or Multimedia Message to configure your SMS or MMS inbox settings as described in the following sections.

3 When you're finished, tap OK to save your settings.

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

SMS setup options

options	
Server Center Number	Number of the center that handles your outgoing text messages.
Expire After	Number of days your network should attempt to send undelivered text messages.

MMS setup options

options	
Default Profile	Select an MMS network profile. (See next section to edit profile settings or create a new network profile.)
Expire After	Number of days your network should attempt to send undelivered MMS messages.
Max Sending Size	Maximum size of incoming multimedia message to be downloaded to your phone.
Auto Download	Automatically download MMS messages to your phone. You can set this function to be disabled when roaming, and set a maximum file size for auto-downloaded messages.
Show My Number	Send your number with outgoing MMS messages.

options	
Allow Delivery Report	Send a delivery report for an incoming MMS message when requested.
Block Senders	Block incoming MMS messages from specific senders.
Reject Read Reply Request	Do not send a reply to the sender when you read a new received message.
Auto Retry	Automatically attempt to resend messages when delivery fails.

MMS network profile setup

You can edit an existing MMS network profile or create a new MMS network profile.

1 Tap ☰, then tap **Service Setup**.

2 Tap **Multimedia Message** to open the MMS inbox setup editor.

3 Tap the folder tree icon ☐ in the **Default Profile** field to open the MMS profile list.

4 To edit an existing MMS network profile, highlight the profile, tap ☰, then tap **Edit** To create a new MMS network profile, tap **New**.

5 Tap **Save** to save your settings.

You must enter the following configuration settings. If necessary, contact your service provider to obtain the following information:

options	
Profile Name	Enter the profile name.
MMSC	Select the server you want to use (information may be viewable only).
Max Sending Size	Select the maximum file size you want to use.
Network Profile	Select a network connection profile to connect to the Internet. For more information, see page 84.

browser messages

Your network's Web server can send you browser messages that you read in your micro-browser.

Your phone shows the new message icon 📳 in the global navigation bar when you receive a new browser message. Tap **Read** to read the message.

You must activate the feature to receive browser messages.

1 Tap 📨 in the global navigation bar to go to the message center.

2 Tap ☰, then tap **Service Setup**.

3 Tap Browser Message to open the WAP push editor.

4 Tap **Receive All** to receive all browser messages, or **Restricted** to restrict the browser messages you receive.

5 Tap **Save** to save settings.

information services

Information service messages are broadcast
messages that you can receive, such as stock
updates, news headlines, or sports scores.

Your phone shows the new message icon <kbd>!</kbd> in the
global navigation bar when you receive a new
information service message. Tap **Read** to read the
message.

Note: You must set up your information services
message inbox **before** you can receive information
service messages. Usually, your service provider has
already set up the information services message inbox
for you.

1 Tap <kbd>✉</kbd> in the global navigation bar to go to the
message center.

2 Tap <kbd>☰</kbd>, then tap **Service Setup**.

3 Tap **Info Service** to open the info service inbox setup
editor.

4 Tap **Service On** to activate info service on your
phone.

5 Tap **Active Channels...** to set subscription channels.

6 Tap <kbd>☰</kbd>, then tap **New Channel** to add a new channel.
or
Tap <kbd>☰</kbd>, then tap **Delete Channels** to delete one or
more channels.

7 Tap **Save** to save your settings.

8 Tap **OK** to exit the active channels menu.

9 Tap **Languages** to set the languages in which you
receive cell broadcasts.

10 Set the first and second languages, then tap **Save**
to save the language settings.

11 Tap **Save** to save your info service settings.

office applications

email

You can send and receive email messages with your wireless phone. You must have an email account on a Microsoft™ Exchange 2003 server to use MOTOSYNC with Exchange ActiveSync. Otherwise, you must have an email account with a POP3/IMAP-SMTP server on the Internet or your service provider's network.

If you are using MOTOSYNC, email setup is covered as part of the MOTOSYNC configuration process. For more information, see page 111.

For information on how to set up a network connection profile, see page 84.

mailboxes and folders

Note: You must set up your email mailbox before you can send and receive email messages. Usually, your service provider has already set up the email mailbox for you.

Tap P **Email** in the application launcher screen to launch the email application.

Email messages are stored in different folders in your email mailbox:

- **Inbox** – Email messages you have received.

- **Outbox** – Your email messages that have not yet been sent.

You may have additional folders in an email mailbox, such as Drafts, Sent Items, Trash, or personal folders that you create.

Tip: Tap $\equiv$, then tap Display to set a one-line or two-line display for each folder in the email mailbox.

If you have separate mailboxes for different email accounts, tap the Mailbox field at the top of the email message screen to select the mailbox you want to use. Your phone shows the folders associated with the selected mailbox.

send an email

You can send an email message to one or more recipients. You can manually enter each recipient's email address, or select addresses from the address book.

When you manually enter email addresses, you must insert a comma, semicolon, or colon between each address.

To compose and send an email message:

1 Tap Email in the application launcher screen to launch the email application.

2 Tap $\equiv$, then tap New Email to open the email message composition screen.

3 Tap the direct line in the Subject field to enter a subject for the message.

4 Tap the message field, then tap the text entry method drop-down menu at the bottom of the screen and select an entry method to enter text in the message field. When you are finished, tap in the lower right corner of the screen to hide the text entry keyboard or pad.

5 Tap To to select contacts from your address book, or tap the direct line in the To field to enter an email address.

6 Tap Send to send the message.

schedule a meeting

You can send a meeting request message to other email addresses. The meeting is added to your calendar, and to the calendars of the message recipients.

1 Tap 📧 **Email** in the application launcher screen to launch the email application.

2 Tap ☰, then tap **New Meeting Request** to open the meeting request editor.

3 Tap the direct line in a field to enter meeting details. Pull down the scroll bar to see additional fields.

4 When you're finished entering information, tap Send to send the meeting request and add the meeting to your calendar.

Note: To use the calendar application to schedule a meeting, see page 75.

receive an email message

Email messages that you receive are stored on your service provider's email server until you download them to your phone.

Tap 📧 **Email** in the application launcher screen to launch the email application. Tap **Send/Rec.** to download new received messages to your phone.

When you download an email message:

- Tap 🟦 to see message details (sender, subject, time, and size).

- Tap the message to read it.

- Tap **Reply** to send an email reply to the message.

- Tap **é** to perform various operations on the message, including saving attachments, moving the message to another folder, and deleting the message.

office applications **71**

create a personal folder

The procedures for creating and using a personal folder are similar to the corresponding message center procedures. See page 72 for more information.

set up the email inbox

If the phone cannot locate your email mailbox, it opens the mailbox setup screen for you to configure your mailbox settings.

automatic setup

Note: This feature may not be available in all regions.

1 Select your email service provider from the mailbox setup list, then tap **OK**.

2 Enter your User **Name** and **Password** in the appropriate fields, confirm your password in the **Reenter Password** field, then tap **OK**.

3 To edit email sending, receiving, signature, connections options, tap the mail box name you wish to edit. Then enter settings as described in the following section.

manual setup

If your service provider is not listed on the mailbox setup list, you can manually set up your email mailbox as follows:

1 Tap **Setup Manually** on the mailbox setup screen to manually enter email settings, then tap **OK**.

2 Tap the **Mailbox Name** field and enter your mailbox name.

3 Tap **Send Setup** and **Receive Setup** to configure your email sending server and receiving server settings as described below.

4 Tap **Signature Setup**, If you want your phone to automatically append your signature to all outgoing email messages, tap the check box □

beside **Add signature to all outgoing messages**. A check mark ☑ indicates that automatic signature is activated.

5 Tap the signature field and enter your signature.

6 Tap **OK** to save your signature.

7 Tap **Connections Setup**, then select the type of connection desired and tap **OK**.

8 Tap **Done** to store your mailbox settings.

send setup options

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

options	
Server	IP address or host name that handles your outgoing email.

options	
Port	Port number for sending host.
Email	Your email address.
Nickname	Name to be inserted before your return address, if desired.
Authentication	Set **Authentication** to **On** if you need a user name and password to access your outgoing email server.
	Set **Same as Receive** if user name and password are the same as for your incoming email server.
	Otherwise, enter your outgoing email server **User Name** and **Password**, and confirm your password in the **Reenter Password** field.

receive setup options

Note: Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

options	
POP3 or IMAP	Select the protocol to communicate with the receiving host: POP3 or IMAP.
Server	IP address or host name that handles your incoming email.
Port	Port number for receiving host.
User Name	Your user name.
Password	Your user password.
Reenter Password	Confirm your user password.

options	
Incoming Message Size Limit	Maximum size of an email message to be downloaded to your phone.
Keep on Server	Select to save copies of your email messages on the remote server. (For POP3, prevents message deletion on remote server after message is downloaded to your phone. For IMAP, prevents message deletion on remote server after message is deleted on your phone.)
Use SSL	Select to receive your email messages over a secure network connection.

calendar

You can use your phone's calendar to schedule and organize events such as appointments and meetings.

Tap 🗓 **Calendar** in the application launcher screen to schedule or review calendar events. The calendar initially shows the current month. Tap ◀ or ▶ to go to the previous or next month.

Tap the **Month** button in the bottom button bar, then select **Week** to see the week view.

Vertical bars indicate scheduled events for the day. A horizontal bar below the date indicates a full-day event. Tap the day to see the day's events. Tap an event to see event details.

add new event

Note: You must create an event to use the reminder alarm.

1 Tap 🗓 **Calendar** in the application launcher screen to open the calendar.

2 Tap the day to which you want to add an event. Your phone lists the day's events.

3 Tap ☰, then tap New Event to open the new event editor.

4 Tap the direct line in a field to enter event details. Pull down the scroll bar to see additional fields.

5 When you're finished entering information, tap Save to store the event.

Tap ↵ to exit without storing the event.

schedule a meeting

You can send a meeting request message to other wireless phone users, and to email addresses. The meeting is added to your calendar, and to the calendars of the message recipients.

1 Tap 🗓 **Calendar** in the application launcher screen to open the calendar.

2 Tap ☰, then tap **New Meeting Request** to open the meeting request editor.

3 Tap the direct line in a field to enter meeting details. Pull down the scroll bar to see additional fields.

4 When you're finished entering information, tap **Send** to send the meeting request and add the meeting to your calendar.

Note: To use the email application to schedule a meeting, see page 71.

edit an event

1 Tap the event to see event details.

2 Tap **Edit** to open the event editor.

3 Tap the direct line in a field to edit its contents. Pull down the scroll bar to see additional fields.

4 When you're finished editing information, tap **Save** to store the event.

delete an event

1 Tap the event to see event details.

2 Tap ☰, then tap **Delete**.

3 Tap **OK** to confirm the deletion.

dismiss reminder alarm

Tap **Snooze** to turn off reminder alarm for a short period of time. The reminder alarm sounds again when the snooze period expires.

Tap **Cancel** to dismiss the reminder alarm.

change the calendar setup

You can set the calendar's default view (month, week, day), default day view (hour or event), weekly start day, daily start time, reminder snooze period, event storage period, alarm timeout, and lunar calendar.

When you select **Alarm When Power Off** in the calendar setup screen, your phone turns itself on if necessary to remind you about scheduled events.

1 Tap 🗓 **Calendar** in the application launcher screen to open the calendar.

2 Tap ☰, then tap **Setup**.

3 Tap a field to change its setting. Pull down the scroll bar to see additional fields.

4 When you're finished changing settings, tap **Save** to store the settings.

share event information

You can share calendar events with others by sending the data as a vCalendar entry to another phone, PC, or hand-held device.

1 Tap 🗓 **Calendar** in the application launcher screen to open the calendar.

2 Tap the name of the event you want to send. Your phone shows event details.

3 Tap ☰, then tap **Share**.

4 Tap **Bluetooth®**, then tap **OK** to exchange the data through a Bluetooth™ wireless connection.

or

Tap **Message** or **Email**, then tap **OK** to send the event data in an MMS or email message.

5 Complete the setup procedure for the transfer method you selected.

6 Tap **OK** to send the event information in a vCalendar entry.

For more information about using a Bluetooth wireless connection, see page 106.

synchronize calendar entries

You can use MOTOSYNC to synchronize your calendar entries directly with a Microsoft Exchange 2003 server. For more information, see page 111.

tasks

You can create and review a checklist of tasks you need to perform, and set your phone to notify you when task deadlines arrive.

add new task

1 Tap ⋈ **Tasks** in the application launcher screen to open the task list.

2 Tap **≡**, then tap **New**.

3 Tap the direct line in a field to enter task details.

4 When you're finished entering information, tap **Save** to store the task.

view tasks

Tap ⋈ **Tasks** in the application launcher screen to open the task list. Tap a task to see its details. Tap the check box □ beside the task name to indicate that you've completed the task.

Tap and hold on a task to open a pop-up menu from which you can **Share**, **Edit**, or **Delete** the task.

To sort the task list, tap the *sort order* button in the bottom button bar. You can choose to see **All Tasks**, **Unchecked** tasks, **Due Tasks**, or **Completed** tasks.

Tap **≡** to perform various operations on the task list.

notes

You can write and store notes on your phone.

1 Tap ▧ **Notes** in the application launcher screen to open the notes editor.

**2** Tap the text line and enter the information on the keypad you want to record.

3 When you are finished entering information, tap to close the keypad and tap **Save**.

4 Enter a name, storage location, and file type for the note.

5 Tap **Save** to save the note.

To read a note that you have saved, tap ☰, tap **Open**, then select the note you want to open.

my favorites

The my favorites application makes it easy for you to create personal folders to store and manage your files and applications.

Tap ▱ **My Favorites** in the application launcher screen to open the file manager.

Your phone lists the available storage devices (such as **Phone** memory, and an optional removable **MicroSD** memory card). Tap a storage device to see the root directory for the device.

Your phone includes several predefined folders:

MyImages	Stores photos that you take with your phone's 🔴 **Camera**.
MyAudio	Stores ring tones you download to your phone, and sound files you record with the 🎙 **Recorder** application.
MyVideo	Stores video clips that you record with your phone's 🔴 **Camera**.
MyNotes	Stores notes that you write with the 🗒 **Notes** application.
MyPrograms	Stores applications that you download and install on your phone.
My playlists	Stores playlists you can create with the media player (see page 88).

Preload	Stores preloaded media files installed on your phone.

Note: Your phone's files and folders may differ from those listed above.

edit files and folders

Tap and hold a file or folder to open a pop-up menu to perform various operations on the file/folder. The edit menu can include the following options:

options	
Open With	Specify the application your phone should use to open the file (files only).
Share	Send the file to another phone, PC, or hand-held device (files only).
Install	Install the selected file (files only).

options	
Copy or **Cut**	Copy or cut the file or folder to the clipboard. (Tap ☰, then tap **Paste** to paste the clipboard contents in the current folder.)
Move To	Move the file or folder to a new location.
Rename	Rename the file or folder.
Delete	Delete the file or folder.
Properties	See information about the file or folder.

create new folder

1 Tap 📁 **My Favorites** in the application launcher screen to open the file manager.

2 If necessary, tap the folder tree icon 🗀 to select the location (phone or memory card) where you want to create the folder.

3 Tap ☰, then tap New Folder.

4 Enter a name for the folder.

5 Tap Save to save the folder.

view

To change the way your files and folders are shown, tap ☰, then select List View or Thumbnail View.

sort

To change the way your files and folders are sorted, tap ☰, then tap Sort by. You can sort files or folders by Time, Name, Size, or Type.

search

To search for a specific file:

1 Tap ☰, tap More, then tap Search.

2 Enter the name of the file in the File Name field.

3 Specify the file type in the File Type field.

4 Tap Search to begin the search.

If the file is found, the filename is listed. Tap the filename to open the file. Tap and hold the filename to see the file path.

If the file is not found, tap ↩ to return to the file manager screen, or tap Retry to try another search.

folder tree

Tap the folder tree icon ☐ in the file manager screen to see the folder structure and organization of your phone, or a storage device connected to the phone.

removable memory card

You can use an optional removable microSD memory card with your phone to store and retrieve multimedia objects (such as photos, video clips, and music files). To insert a memory card in your phone, see page 19.

Tap ![My Favorites icon] My Favorites, then tap the memory card's name to see its root directory.

Tip: Tap and hold on the memory card's name to open a pop-up menu to Format the memory card or see memory card Properties.

Tap ![menu icon] to perform various operations on the memory card. The storage device menu can include the following options:

options	
New Folder	Create a new folder on the memory card.
List View or Thumbnail View	See memory card files and folders in a text-based List View or graphic icon Thumbnail View.
Share	Send a file to another phone, PC, or hand-held device.
Move	Move a file to a new location.

options	
Paste	Paste the clipboard contents at the current location.
Sort By	Sort memory card files or folders by Time, Name, Size, or Type.
Delete	Delete a memory card file or folder.
More	Search for a memory card file or folder. Tap Properties to see information about a file or folder.

viewer

The viewer application provides an easy way for you to read documents stored on your phone.

Tap ![icon] in the application launcher screen to open the viewer application.

Your phone shows the file folders included on your phone (see page 79 for folder descriptions). Tap a

folder to see its contents. Tap a document to open it in the viewer.

You can scroll through a large document by dragging the stylus across the screen and "dragging" the document in the direction you want to move.

To zoom in or out on a document, tap the center of the screen, release, then quickly tap and hold the screen and drag the stylus up or down to adjust the document size.

To reflow the text or make other view adjustments, tap ≡ to open the menu, tap View, then tap Rotate Screen, Reload the document, Fit to Width, or Fit to Height.

For more information about how to use the viewer, tap ≡ to open the menu, then tap Help.

business card reader

The business card reader lets you use your phone's camera to capture a business card image, then automatically store the card's information as a contact in the phone's address book.

capture business card image

Tap ✎ BC Reader in the application launcher screen to open the business card reader.

Tip: Tap Help to see instructions on how to position and frame the business card that you want to capture.

Tap Capture Business Card to activate the camera and start the viewfinder.

Use the red border in the viewfinder to frame the business card. Position the camera so that the card fills the frame. The framing border and center indicator turn green when the business card is framed properly.
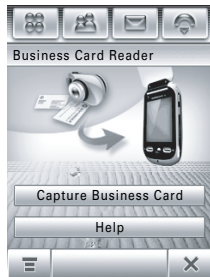
Your phone automatically captures a business card image when the card is properly framed in the OCR viewfinder. (To activate the auto-capture feature, see page 84).

If auto-capture is turned off, tap Capture or press the camera key to manually capture the business card.

business card reader settings

Tap ☰, then tap Setup to adjust business card reader settings.

recognize stored business card

In the business card reader application, tap ☰, tap Open Business Card, then tap the card you want to recognize and add to the contact list.

browser

The browser lets you access Web pages and Web-based applications on your phone. Contact your service provider to set up access, if necessary.

start a browser session

Tap 🌐 Browser in the application launcher screen to start the browser.

If you are unable to establish a network connection with the browser, contact your service provider.

interact with web pages

Pull down the scroll bar to scroll through a text page or option list. Tap an option to select it. Tap ↵ at any time to return to the previous screen.

Tap $\equiv$ to perform various browser operations. The browser menu can include the following options:

options	
Go To Page	Enter a Web address (URL) to go to a Web site.
Home	Go to the homepage of the current Browser profile.
Bookmarks	See a list of your bookmarks. Tap $\equiv$ to add a New bookmark, or Open, Edit, Delete, or Share the highlighted bookmark.
History	See a list of Web sites you have visited. Tap $\equiv$ to Open or Delete the highlighted Web site.
File	Save a file or Save All files in the browser window, Copy a file, tap About Opera to see browser information.

options	
View	Set browser view to Fit to Screen or Full Screen, set text size to Small, Medium, or Large, zoom in or out on the Web page, or select a Custom Zoom setting.
Active Pages	Bookmark the active page, show the security level, or change encoding of the active page.
Setup	Add and edit browser profiles, adjust browser preferences, show SSL and WTLS certificates, empty the cache, and delete cookies.

download files

You can download a file, game, or application from a Web page onto your phone by selecting its link.

You must specify the location where you want to save the file, and your phone must have sufficient memory storage space to store the file.

You can purchase games, applications, and multimedia content for your phone. In most cases, you can download and preview content before you purchase it. After previewing the content, you can choose to discard it, or purchase it and install it on your phone.

Notes:

- Call charges apply during download sessions.

- Some games might make your phone vibrate. Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to a vibrate ring style.

multimedia applications

RealOne media player

Your phone has a RealOne media player that you can use to play audio and video files.

Tap ✆ **Media Player** in the application launcher screen to launch the media player.

When you see the prompt **Refresh "My Library" Now?**, tap **Refresh** to add any new media files located on the phone or memory card to your library list.

play media files

1 Tap **All Audio**, **All Videos**, or another media category to see which files of that type are available on your phone.

Tip: Tap 🔍 and enter a keyword to search for a specific file by name.

2 Tap the check box ☐ beside each file you want to play. A check mark ☑ indicates that the file is selected.

3 Tap **Play Selected** to begin playing the selected file(s).

Tip: To save your selection(s) as a playlist, tap ☰, then tap **Save as Playlist**. For more information, see the following section.

Shortcut: Tap a specific file name to play the file.

In the media player window:

- Tap ⑩ or ⑥ to pause or play a file or playlist.

- Tap ⑩ or ⑩ to play the previous or next file.

- Tap and hold ⑩ or ⑩ to rewind or fast forward through a file.

- Tap ⑥ to adjust or mute sound volume. Tap the volume slider to adjust the volume. (Alternatively, you can press the side volume keys to adjust volume.) Tap ⑥ on the slider bar to mute and unmute the sound

Tip: To operate the media player when the phone flip is closed, see page 36.
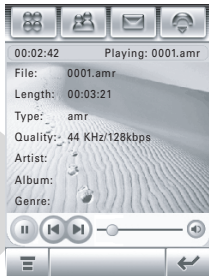
create and use playlists

To **create** a new playlist:

1 Select media files as described in the previous section.

2 Tap ☰, then tap **Save as Playlist** to create a new playlist with the selected files.

3 Enter a name for the playlist, then tap **Save** to save the new playlist.

To **play** a playlist:

1 Tap 𝕮 **Media Player** in the application launcher screen to launch the media player.

2 Tap **My Playlists** to see the playlists stored on your phone.

3 Tap a playlist to select it and see the list of files in the playlist.

4 Tap a file in the playlist to begin playing it.

Your phone plays the playlist files in sequence.

playlist options

Tap ☰ to perform various operations on a selected or active playlist. The playlist menu can include the following options:

options	
Edit	Edit the name or contents of a playlist.
Equalizer	Choose an equalizer setting to optimize audio playback.
Shuffle	Shuffle the order in which the playlist files are played.
Repeat	Replay the playlist when the last file finishes playing.

options	
Delete	Delete stored playlists.
	Deleting a playlist does **not** delete the media files stored on your phone.
Use Bluetooth	Enable a playlist to be sent to a Bluetoothdevice.

camera

Your phone has a 3.2 megapixel camera that can take photos at up to 1536 x 2048 pixels resolution. The camera includes an automatic flash and panoramic mode for taking wide-angle photos.

Shortcut: With the phone flip open or closed, press the camera key to activate the camera. Press the camera key again to take a photo.

To activate the camera from the application launcher screen, tap ⑥ **Camera**.

The active viewfinder image appears in the display.

Press ·Ò· up/down to zoom in/out.

Press ·Ò· left/right to decrease/increase image brightness.

Number of Additional Photos/Minutes of Video Storage Space Left

Tap to open camera menu.

Tap to take photo or record video.
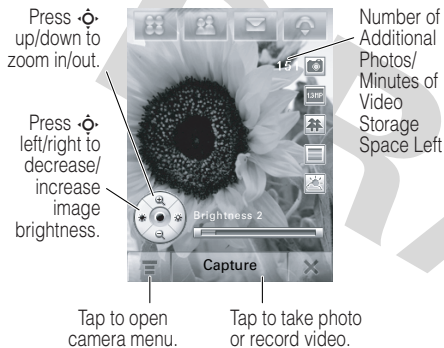
Use the function icons to change the most-used functions (such as image size, camera/video mode, and effects mode). Tap the screen to remove the icons

for an unobstructed view, or tap the screen again to restore the icons.

take a photo

Tap **Capture** to take a photo. Alternatively, you can press the camera key or press in the joystick ·●· to take a photo.

Tip: If the camera is in video mode, tap 🎥 to put the camera in photo mode. The mode indicator in the viewfinder changes to ◘ to show that the camera is in photo mode.

take and combine multiple photos

To take multiple photos with a single key press, tap 〓, then tap Burst mode. Select one of the following burst modes:

• Normal Burst Mode: takes and displays 3 photos

- Matrix Burst Mode: takes and displays 9 photos

- Gif Burst Mode: takes 3-5 photos and displays them in sequence

You can also make panoramic photos by combining separate shots into one panoramic view. Tap ☰, then tap Panorama Mode. Tap **Capture** for the number of photos you want to merge into a single view, then tap **Stitch** to combine the photos into one.

add GPS location information to photos

You can add GPS location information to any photo by enabling the MotoNav application for the camera. Tap é, then tap aGPS&GPS to have the camera add the location information to each photo you take.

The location information is not added until you save a photo. A message confirms that the aGPS&GPS information is being added to the image. Now you can include the photo in a GPS map that you send in a multimedia message. For more information about GPS, see page 103.

change photo storage location

Photos and video clips can require large amounts of storage space. You can save your photos and video clips to an optional removable microSD memory card to avoid using up phone memory space. To insert a memory card in your phone, see page 19.

1 Tap ☰, tap Setup, then tap ○ to open the photo setup menu.

2 Tap the folder tree icon □ in the **Save To** field.

3 Select the folder on the memory card that you want to use, or tap **New** to create a new folder on the memory card.

4 Tap **OK** to set the folder as the new storage location.

5 Tap Save to save the new storage location.

record a video clip

Tap 📷 to put the camera in video mode. The mode indicator in the viewfinder changes to 🎥 to show that the phone is in video mode.

Tap Record to start recording a video clip. Tap Done to stop video recording.

view and delete photos or video clips

To **view** a photo or video clip:

1 Tap ☰, then tap Album to open the folder where your photos or video clips are stored.

2 Tap a photo thumbnail image to see the photo. Tap ▶ on a video clip thumbnail image to play the video clip.

To **delete** photos or video clips:

1 Tap ☰, then tap Album to open the folder where your photos or video clips are stored.

2 Tap ☰, then tap Delete.

3 Tap the check box ☐ beside each photo or video clip you want to delete, or tap the check box beside All to select all items. A check mark ☑ indicates that the item is selected.

4 Tap OK to delete the selected photo(s) or video clip(s).

Tip: To quickly delete a single photo or video clip, tap and hold the thumbnail image to open a pop-up menu, then select Delete.

effects

You can adjust the **size** of your photo or video by tapping the appropriate icon in the viewfinder. Tap other icons to set **lighting** conditions or select a photo **style** (such as Black/White or Sepia tones).

setup options

Tap $\equiv$, tap **Setup**, then tap **ã** to open the photo setup menu.

You can set or adjust the following options:

options	
Photo Size	Set photo size.
Photo Quality	Set photo quality.
Default Name	Apply a date and time stamp, or specify a text prefix for the photos and videos you take.
Shutter Sound	Set the shutter sound.
Save To	Specify the location (phone memory or memory card) where your photos/video clips are saved.
Panorama Mode Setup	Set photo size and order in which photos are combined.

options	
Matrix Burst Mode Setup	Set photo size and interval at which photos are taken.
Gif Burst Mode Setup	Set photo size, interval at which photos are taken, and number of photos.

delay timer

Tap $\equiv$, then tap **Delay Timer** to activate the delay timer. The timer indicator appears in the upper-right corner of the viewfinder.

Tap **Start** to activate the timer. The timer counts down from 10 seconds, and then takes a photo. You can tap **Stop** to stop the timer at any time during the countdown.

Tip: To take a self-portrait, activate the timer, and use the mirror to aim the camera lens.

multimedia applications **93**

edit photo

Use the photo editor to edit photos and images stored on your phone, or create new drawings or illustrations. Tap 📷 **Photo Editor** in the application launcher screen to launch the photo editor. To edit an existing photo or picture, tap ☰, tap **Open**, then select the picture you want to open.

Tap:

- to draw on the photo.

- to add glasses and mask.

- to see a full-screen view.

video

Tap 🎬 **Video** in the application launcher screen to launch the video camera.

record videos

To start recording a video tap **Record**. To stop recording, tap Done. Then tap ì to view the video you have taken.

Before or after viewing the video, you can elect to:

- **Share** to share your video via MMS message, e-mail, or Bluetooth.

- **Save** to save the video file to your phone.

- **Delete to delete the video**.

video setup options

Tap ☰, tap **Setup**, then tap 🎥 to open the video setup menu. You can set or adjust the following options.

options	
Video Size	Set video size.
Video Quality	Set video quality.
Default Name	Apply a date and time stamp, or specify a text prefix for the videos you take.
Shutter Sound	Set the sound effect when recording starts.
Save To	Specify the location (phone memory or memory card) where your video clips are saved.
Record stop sound	Set the sound effect when recording stops.

FM radio

You can use your phone to listen to FM radio stations when an optional Motorola Original™ standard headset or stereo headset is plugged into the phone's headset jack.

Note: You can't listen to the FM radio using a Bluetooth wireless headset.

To activate the FM radio from the application launcher screen, tap 📻 **FM Radio**.

tune a station

Tap ⏮ or ⏭ to go to the previous or next active FM station.

Tap 🔍 or 🔍 to go to the previous or next frequency setting.

use preset channels

Tap 🖼 to assign a channel number to the current tuned station.

Tap ⊙ or ⊙ to select the previous or next channel.

adjust radio settings

Tap the volume slider to adjust the radio volume. Alternatively, you can press the phone's volume keys to adjust radio volume.

Tap ⊛ or ⊕ to mute or unmute the radio.

Tap **Hide** to hide the radio when you want to use the display for other applications. The radio continues to play.

Tap ☰ to edit or clear radio channels, play the radio through your phone's internal speaker, or set the radio to play mono or stereo sound.

send/receive calls with the radio on

Your phone rings or vibrates as usual to notify you of an incoming call, message, or other event. You can answer the call, or ignore the call and continue listening to the radio.

If you answer the call, tap **End** as usual to end the call and resume the FM broadcast.

Note: You don't have to turn off the radio to make a call. The radio is muted automatically when you dial an outgoing call from the phone keypad.

voice recorder

You can record personal messages and phone calls on your phone.

Note: Recording of phone calls is subject to varying State and Federal laws regarding privacy and recording

of phone conversations. Always obey the laws and regulations on the use of this feature.

make a recording

Shortcut: With the phone flip open, press and hold the voice recognition key to activate the voice recorder.

To activate the voice recorder from the application launcher screen, tap 🎙 **Recorder**.

1 Tap ⊙ to start recording.

2 Speak into the phone.

3 Tap ⊙ to stop recording. The voice record is automatically saved to the **MyAudio** folder on your phone.

4 To play back the voice record you just made, tap ⊙. To stop playback, tap ⊙.

play a recording

1 Tap 🎙 **Recorder** in the application launcher screen to activate the recorder.

2 Tap ☰, then tap **Open** to open the **MyAudio** folder.

3 Tap the voice record you want to play, then tap **Open** to play it.

Tip: The voice record name identifies the date and time when the file was recorded. The recording date and time also appears when you play the voice record.

change voice record storage location

1 Tap ☰, tap **Setup**, then tap the folder tree icon 📁 in the **Location** field.

2 Select a folder, then tap **OK** to set it as the new storage location.

3 Tap **Save** to save the new storage location.

extra applications

voice commands

You can use voice commands to make calls, open phone applications, and perform basic phone functions. The phone flip must be open to use voice commands.

Note: You can use some voice commands with the phone flip closed, when a headset is plugged in or paired with your phone.

Note: Not all phone languages support voice recognition and voice commands.

load voice recognition

To use voice commands with your phone, you must load the voice recognition application each time you turn on the phone.

Press and release the voice recognition (VR) key on the side of your phone, and wait for **Loading VR** to appear on the screen.

When your phone shows **Load Successful**, you can start using voice commands. If your phone indicates that loading failed, try again to load the voice recognition application.

make a call

You can dial an entry in your address book by speaking the entry's name, or dial any phone number by speaking its digits.

Tip: Speak numbers at a normal speed and volume, pronouncing each digit distinctly. Avoid pausing between digits.

1 Press and release the VR key.

Your phone prompts you to say a command.

2 Say the name of an entry in your address book.

or

Say "Dial Number" and speak the digits in the phone number.

3 Your phone prompts you to confirm that it correctly interpreted the voice command. Say "Yes" to confirm and make the call.

use phone functions

You can use voice commands to open applications (for example, "Open Camera") or perform many basic phone functions (for example, "Send Message To *<Name>*").

To see a complete list of voice commands, tap **Setup**, tap **Voice Command**, then tap **Commands List**.

To perform a voice command:

1 Press and release the VR key.

Your phone prompts you to say a command.

2 Say the command.

Your phone opens the application or performs the command.

talking phone

You can set your phone to recite incoming caller ID information, read the names of menu features or entries on your contacts list, read messages you receive, and provide audio feedback for other phone functions.

1 Tap **Setup** in the application launcher screen, then tap **Voice Command**.

2 Tap the check box □ beside **Talking Phone** to select it. A check mark ☑ indicates that the message reciting feature is activated.

3 Tap **Save** to save your setting.

STK

Your SIM card may contain additional SIM Toolkit (STK) applications that add features and functionality to your phone.

Tap 🔳 **STK** on the application launcher screen to see a list of STK applications you can use.

For more information about the STK applications available on your SIM card, contact your service provider.

time

Your phone can show the current time and date for multiple cities around the world.

Tap 🕐 **Time** in the application launcher screen to see the time screen (shown at right).

You can reset the time and date for a listed city. Tap the time and/or date field to change it. Tap **OK** to save your changes.

Tap **☰**, then tap **Setup** to adjust date and time display formats, and to manually adjust daylight savings time settings (if necessary).

extra applications **101**

To replace a city listing in the world time screen, tap the city name, then tap **Browse…** to see the time zone map (shown at right). Tap the city name again to see a city list. Select a new city, then tap **OK** to store it.
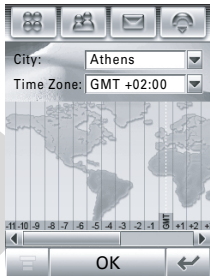
City: Athens
Time Zone: GMT +02:00

-11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 GMT +1 +2

OK

Alternatively, tap a time zone in the time zone map to see a list of cities in that time zone. Select a new city, then tap **OK** to store it.

OCR

You can use your phone to scan words from printed text and, using the Talking Dictionary, provide their definitions and pronunciations as well. To scan a word:

1 Tap 🔍 **OCR** on the application launcher screen to start the optical character recognition (OCR) scanner.

2 Holding the camera at least 10 cm away from the text, use the joystick ·●· to adjust the brightness and zoom.

3 Use the red border in the OCR viewfinder to frame the selected word. When the word is framed properly the framing border turns green, and scanning occurs automatically.

After you scan a word, the OCR application automatically starts the Talking Dictionary (see page 103). Tap **Modify** to change the word that was scanned. Tap **Detail** for the definition and pronunciation of the word.

Tap ☰, then tap **Vertical text** to change the orientation of the scanning box from horizontal to vertical.

You can also manually enter a word into the scanner. To see the information from the Talking Dictionary, tap ☰, then tap **Manual Entry**. To view the list of previously scanned words, tap ☰, then tap **History**.

talking dictionary

Talking dictionary contains definitions and synthesized voice output for thousands of English and Chinese words. The dictionary starts when you scan a word using OCR (see page 102) and provides both Chinese and English definitions for the scanned word.

Tap 🐵 **Talking Dictionary** on the application launcher screen if you want to look up words manually.

To see the 30 most recently scanned words, tap ☰, then tap **History.**

MotoNav GPS

MotoNav GPS is a mobile personal navigation system that helps you plan your route and provides interactive guidance to your destination.

navigate to your destination

To use MotoNav to get to your destination:

1. On the applications screen, tap (icon) aGPS&GPS.

2. Enter your destination using one of these options in the main MotoNav menu:

   • Tap Navigate, tap City-street, enter an address or select from the list.

   • Tap Favorite, tap the group, then tap the destination.

   • Tap Navigate, tap ☰, then tap **History to select a previously navigated address.**

   • Tap Navigate, then tap POI Categories. Tap the category, then tap the point of interest to see its details.

   • Download a location message from your inbox.

3. Tap Go to find a route from your current location to your destination.

4. Follow the MotoNav visual and voice prompts.

add favorite places

You can personalize MotoNav by saving lists of your frequently-visited destinations. To see your groups of favorite places, from the main MotoNav menu tap Favorite. Then tap ☰ and tap Add Group or Delete Group to update your lists of favorites.

To add locations to a favorites list, find the address, intersection, or point of interest as described in the preceding section. Tap the destination to show its details. Tap ☰, then tap Add to Favorites and tap the appropriate favorites group to select it.

Another method of saving favorite destinations is by using QuickNav to bookmark your most visited destinations. To add a location to QuickNav, find it and open its details page. Then tap ☰, tap Add to QuickNav, and tap home, school, office, or parents.

adjust your navigation settings

To adjust your preferences for MotoNav, tap Settings on the main MotoNav menu. You can customize the following types of settings.

- General settings include language, units of distance, volume, whether to use voice prompting, and type of backlighting used.

- Map settings include the GPS map used, view mode, and display of favorites and points of interest.

- Navigation settings include preferred routing, whether to avoid freeways and tollways, and whether to use auto zooming.

view GPS maps

You can view and search GPS maps to show your location and destination. From the main MotoNav menu, tap Map to show the map for your current location. From the current map, tap Search to find a map for a different

location. To display points of interest or favorite locations, tap ☰, then tap Show POI or Show Favorites.

view and share GPS data

To see latitude, longitude, altitude, and speed information from MotoNav, tap GPS from the main MotoNav menu.

To select either GPS or aGPS, tap ☰, then tap GPS or aGPS. To send an SMS message containing your current location data, tap ☰, then tap Send Location.

connections

Bluetooth® wireless

Your phone supports Bluetooth wireless *pairing* (also called *linking* or *bonding*). You can pair your phone with a Bluetooth headset to make handsfree calls, or pair your phone with a phone or computer that supports Bluetooth connections to exchange files.

Tip: Your phone's antenna must be on to use Bluetooth features.

Note: The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving. Additionally, the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

For maximum Bluetooth security, you should always pair Bluetooth devices in a safe, private environment.

turn Bluetooth power on or off

1 Tap Bluetooth in the application launcher screen, then tap .

2 Tap Turn On or Turn Off to activate or deactivate Bluetooth power.

use a headset

Before you try to pair your phone with a handsfree device, make sure the device is **on** and **ready** in pairing mode. You can pair your phone with only one device at a time.

1 Tap ✪ **Bluetooth** in the application launcher screen to see the device list.

2 If necessary, turn Bluetooth power on.

3 Tap **Search** to search for Bluetooth devices.

Your phone shows a list of device(s) located within range of the phone. If your phone is already connected to a device, your phone identifies the connected device.

To connect to a device, select it from the list and tap **Bond**. The device may request permission to bond with your phone. Enter the correct PIN code to create a secure connection with the device.

Auto-Bond Feature: You don't have to enter a PIN code to bond your phone with Motorola accessories. For non-Motorola accessories, you must enter the correct PIN code to bond with the device.

Note: When Bluetooth power is on, your phone can automatically pair with a handsfree device you have

used before. Just turn on the device and move it near the phone.

copy files to another device

You can copy a photo, picture, video clip, sound file, contact, calendar event, or bookmark to another phone or computer that supports Bluetooth connections.

Before you try to copy a file to another device, make sure the receiving device is **on** and **ready** in discoverable mode.

Note: You can't copy a copyrighted file.

1 Tap and hold the object to open a pop-up menu, then select **Share** to see a list of share options.

2 Tap **Bluetooth** to see the device list.

3 Tap the device name on the list, or tap **Search** to locate the device.

4 Tap **Send** to send the object. If necessary, enter the correct PIN code to create a secure connection with the device.

Note: Once you connect your phone to a Bluetooth device, that device can start a similar Bluetooth connection with your phone. Your display shows when a Bluetooth connection is active.

receive files from another device

Before you try to receive a file from another device, make sure your phone's Bluetooth power is **on** (see page 106).

Have the other device send the file to your phone.

If your phone and the sending device don't recognize each other, you must place your phone in discoverable mode so the sending device can locate it:

1 Tap ✪ **Bluetooth** in the application launcher screen to see the device list.

2 If necessary, turn Bluetooth power on.

3 Tap **Discoverable** to put your phone into discoverable mode until a connection is made, or until three minutes elapse.

The device may request permission to bond with your phone. Enter the correct PIN code to create a secure connection with the device.

send a photo to a printer

You can send a photo to a printer that supports Bluetooth connections.

Note: You can print A4 or US Letter size pages. To print another size, copy the object to a linked computer and print it from there.

1 On your phone, take a new photo or scroll to a stored photo that you want to print, tap ☰, then tap **Print**.

2 If available, choose additional objects or print options.

3 Select a recognized printer name, or tap Search to search for an unrecognized printer where you want to send the object.

advanced Bluetooth features

features
pair with recognized device ⊞
Tap **✷ Bluetooth** in the application launcher screen to see device list, tap and hold the device name to open a pop-up menu from which you can choose to Create Bond, Connect, Delete, or Lock/Unlock the device.

features
drop pairing with device ⊞
Tap **✷ Bluetooth** in the application launcher screen to see device list, tap and hold the device name to open a pop-up menu, select Disconnect the drop the connection.

share information

You can share information with another phone, PC, or hand-held device. You can share address book contacts, calendar events, tasks, note pad entries, voice records, pictures, photos, and sound files by sending or receiving the data through a Bluetooth wireless connection, or in an MMS or email message.

share data

1 Locate the data you want to share (such as contact details or a list of files in the My

Favorites), tap **☰**, then tap **Share** to select one or more items to share.

or

Tap and hold an item to open a pop-up menu, then tap **Share** to see a list of share options.

2 Tap **Bluetooth**, then tap **OK** to exchange the data through a Bluetooth wireless connection.

or

Tap **MMS** or **Email**, then tap **OK** to send the data in an MMS or email message.

3 Complete the setup procedure for the transfer method you selected.

4 Tap **OK** to send the data.

For more information about using a Bluetooth wireless connection, see page 106.

receive data

The sending device must establish a transmission link with your phone through a Bluetooth, MMS, or email connection.

If necessary, turn on Bluetooth power on your phone to let the other device establish a wireless link (to turn Bluetooth power on, see page 106).

Your phone alerts you when it receives a data transfer request from the other device. If necessary, tap **OK** to accept the data.

Your phone notifies you when data transfer is complete. If the transfer is not successful, your phone shows the message **Failed to Receive**.

cable connections

Your phone has a micro-USB port so you can connect it to a computer to transfer data.
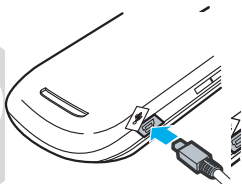
Note: Motorola Original USB data cables and supporting software may be sold separately. Check your computer or hand-held device to determine the type of cable you need.

synchronize phone information

You can use different methods to synchronize information between your phone and a server or PC:

- **Exchange ActiveSync** (over-the-air connection with a Microsoft™ Exchange 2003 server).

- **SyncML** (over-the-air connection with a SyncML server).

- **Tethered Sync** (Bluetooth™ wireless connection or USB cable connection to a PC using the Motorola mobile PhoneTools software accessory product).

Note: You should use only one of the above synchronization methods, to avoid generating duplicate or conflicting information.

MOTOSYNC with Exchange ActiveSync

MOTOSYNC is a secure, always-up-to-date, *over-the-air* (OTA) synchronization capability that lets you synchronize your email, address book contacts, and phone calendar directly with a

Exchange 2003 server, allowing you to stay connected while out of the office. OTA synchronization is accomplished using your service provider's network.

If your Exchange 2003 server has *Service Pack 2* (SP2), a cumulative update that enhances the server's messaging capabilities, the server sends a notification to your phone when new emails arrive at the server, and "pushes" the new emails to your phone.

With MOTOSYNC, you can:

- Synchronize email, address book contacts, and calendar events with the server so that you have the latest information, even when your desktop PC is turned off and you're out of the office.

- Select whether to synchronize using notification (push mail), at timed intervals, or manually.

- Select what type of information is synchronized and control how much information is synchronized.

get started

Configuring your phone to connect to your server requires information from your IT department. If necessary, contact your system administrator to help you connect your phone to the server, or to provide you with the following information:

- Confirm that your email is located on a Microsoft Exchange 2003 server, and verify that the Mobility option is enabled for your server account (this option is set to On by default). Also, verify whether your server has SP2.

- Your User Name

- Your User Password

- Your Exchange Server Name

• Your User Domain Name

Additionally, you should verify with your cellular service provider that you have data service activated with your account (additional fees may apply for this service).

configure MOTOSYNC for Exchange ActiveSync

Using the information described above, you're ready to configure your phone and start synchronizing.

To set up your phone, tap ➡ **Sync** in the application launcher screen, tap ☰, then tap **Exch ActiveSync Setup** to configure the following settings:

options	
Enable contacts sync	Select to sync your primary contacts.
Enable calendar sync	Select to sync your primary calendar.

options	
Enable email sync	Select to sync your primary email.
Email sync type	Select **Two-way sync** to have emails that you read or delete on your phone be marked as read or deleted on the server.
	Select **Server to phone only** to have emails that you read or delete on your phone not be shown marked as read or deleted on the server.
Sync email from past	Set to **1 Day**, **3 Days**, **1 Week**, **2 Weeks**, or **1 Month**.

options	
Limit message size to	Set to **Headers Only**, **0.5k**, **1k**, **5k**, **10k**, **20k**, or **50k**.
	Note: Use a lower setting to reduce the amount of data transferred. For an email message larger than the specified size, you can download the full message when you read it.
Email Address	Enter your email address.
Nick Name	Optional user nickname.
Signature	Optional user email signature.
Server Name	Fully qualified domain name of the Exchange 2003 server. If necessary, please contact your IT administrator.
User Name	Your Windows user name provided by your IT administrator.

options	
Domain Name	Your Windows domain name for your Exchange 2003 server.
Password	Your Windows password.
Re-enter Password	Re-enter Windows password to screen for input errors.
Use HTTPS for security	Select if your IT administrator requires a secure server connection.
Select Data Connection	If there are multiple data service connection profiles, select the preferred profile for synchronization.
Use Proxy	Select if your service provider requires a proxy server for Internet connections. If necessary, get assistance from your service provider.

options	
IP	IP address of your proxy server. If necessary, get assistance from your service provider.
Port	Port number for connection to network provider's proxy server. If necessary, get assistance from your service provider.
Show Notifications	Select to have your phone notify you when new email arrives on the phone. A New Email message or icon notifies you of new email messages.

options	
Enable Auto Sync	Select to have your phone automatically synchronize with the server. If you want to enable notification sync (push mail) or scheduled (time-based) sync, you must select this option. Do not select this option if you want to sync manually from within the email, contacts, calendar, or sync applications.

options	
In busy times, sync	Busy time is the time of day when you expect to receive most emails. Select the automatic sync interval during busy times of the day from: Manually, When notified, Every 5 min, Every 10 min, Every 15 min, Every 30 min, Every hour, Every 2 hours, Every 4 hours, Every 24 hours. **Note:** To enable push mail, select When notified.

options	
In non-busy times, sync	In non-busy times, you may not want or need to sync as often as during busy times. Select the automatic sync interval during non-busy times of the day from: Manually, When notified, Every 5 min, Every 10 min, Every 15 min, Every 30 min, Every hour, Every 2 hours, Every 4 hours, Every 24 hours. **Note:** To enable push mail, select When notified.
Set busy time	Select the busy days of the week using the check boxes.
Start Time	Choose the time that your busy time of the day starts.
End Time	Choose the time that your busy time of the day ends.

options	
When roaming, sync	Choose **Use Schedule** to use the busy and non-busy time schedules when roaming. Choose **Manually** to disable Auto Sync when roaming (to reduce roaming data charges).

When you are finished, tap **Save** to save your settings.

use MOTOSYNC with Exchange ActiveSync

auto sync

No user interaction is required, as your phone automatically synchronizes based on the configuration settings.

The first synchronization may take several minutes, depending on the amount of data in your email, contacts list, and calendar on the Exchange 2003 server.

Notes about using Auto Sync with the **When notified** (push mail) setting:

- To enable push mail, you must enable Auto Sync, and select the **When notified** setting for your busy and/or non-busy times.

- Changes to your contacts or calendar are not pushed, so these changes are not automatically synchronized. However, your contacts and calendar are synchronized every time you send or receive email.

- Your phone and the server maintain a connection that is periodically checked even if there is no new mail. However, if you go out of network coverage, you may experience up to a 20-minute delay before the connection is re-established, depending on your server configuration.

manual sync

To manually synchronize your email, contacts, and calendar, tap ![sync icon] **Sync** in the application launcher screen, then tap **Exch ActiveSync**.

The first synchronization may take several minutes, depending on the amount of data in your email, contacts list, and calendar on the Exchange 2003 server.

errors

Your phone shows an error message when MOTOSYNC cannot successfully synchronize your information. To see more information about the error message, tap ![sync icon] **Sync** in the application launcher screen, tap ![menu icon], tap **View Log**, then tap the information box.

Tip: Some errors can interfere with automatic synchronization. If you suspect that a scheduled automatic synchronization did not occur, you should try to manually synchronize your information.

Successfully completing manual synchronization resets the automatic synchronization timer.

Note: If your phone is configured to Auto Sync **When notified**, and the phone discovers that the server does not support SP2, the phone notifies you that "Sync server does not support notification. Auto Sync has been disabled. To restart Auto Sync, please change the settings in the Sync application.".

When you receive this message, some items in the **Exch ActiveSync Setup** screen are changed automatically:

- **Enable Auto Sync** setting is de-selected.
- **In busy times, sync** setting changes to **Manually**.
- **In non-busy times, sync** setting changes to **Manually**.
- **When roaming, sync** setting changes to **Manually**.

MOTOSYNC with SyncML

The MOTOSYNC framework also includes the standards-based SyncML, so you can

synchronize your contacts, calendar, and tasks over-the-air (OTA) with a SyncML compliant server.

Your phone must be configured to the appropriate settings for your synchronization service provider. Additionally, you should verify with your cellular service provider that you have data service activated for your account (additional fees may apply for this service).

configure MOTOSYNC for SyncML

You must create an Internet sync partner to synchronize your data over a SyncML OTA connection.

Tap ✎ **Sync** in the application launcher screen, tap ☰, then tap **OTA Sync Setup** to configure your SyncML OTA connection settings as follows:

options	
Data Paths: Contacts	Select to provide additional URL address information specific to your **Contacts** folder (beyond the common URL address listed in the **Server Name** field, described below).
Data Paths: Calendar	Select to provide additional URL address information specific to your **Calendar** folder (beyond the common URL address listed in the **Server Name** field, described below).

options	
Data Paths: Tasks	Select to provide additional URL address information specific to your Tasks folder (beyond the common URL address listed in the Server Name field, described below).
Use Proxy	Select if your service provider requires a proxy server for Internet connections. If necessary, get assistance from your service provider.
IP	IP address of your proxy server. If necessary, get assistance from your service provider.
Port	Port number for connection to network provider's proxy server. If necessary, get assistance from your service provider.

options	
Server Name	The URL for your SyncML server (you may omit http://). Use this field to provide the common URL address for your Contacts, Calendar, and Tasks folders (described above).
User Name	User name to log on to the server.
Password	Password to log on to the server.
Re-Enter Password	Re-enter your password to log on to the server.
Select Data Connection	If there are multiple data service connection profiles, select the preferred profile for synchronization.

use MOTOSYNC with SyncML

To synchronize phone data with your Internet sync partner, tap ➋ Sync in the application launcher screen, then tap OTA.

Your phone attempts to make a sync connection with the sync partner. This might take several minutes, if there are many entries to synchronize.

Your phone notifies you when data synchronization is complete. If synchronization is not successful, your phone shows Sync Failed. For connection issues, please contact your synchronization service provider.

MOTOSYNC and PhoneTools

You can use a Bluetooth wireless connection or a USB cable connection to transfer and synchronize data between your phone and a PC.

Note: You may use Motorola PhoneTools software to synchronize contacts, calendar, and task information between your phone and PC. See the PhoneTools user's guide for more information.

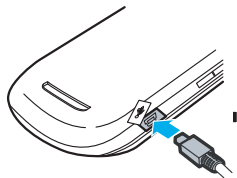Motorola PhoneTools software is designed to synchronize with basic features of many popular

Personal Information Management (PIM) software and hardware products.

To **connect** your phone and PC, you can set up a Bluetooth wireless connection between the two devices. For information about how to set up a Bluetooth connection, see page 106.

Alternatively, you can use a Motorola-Original USB cable to connect your phone and PC. Open the protective cover on your phone's mini-USB port, then plug the USB cable into the phone as shown. Plug the other end of the cable into the USB port on the PC.

Note: Not all devices are compatible with a cable connection. Check your PC to determine the type of cable you need.

To **synchronize** data between your phone and PC, connect your phone to your PC as described above, then select the Sync option from the Motorola PhoneTools software running on the PC.

The Motorola PhoneTools software notifies you when data synchronization is complete. If synchronization is not successful, Motorola mobile PhoneTools notifies you that the synchronization attempt failed.

Note: Due to a known Microsoft™ Windows™ USB driver issue, a PC running Windows 2000 with Service Pack 1 or Service Pack 2 will not recognize a memory card inserted into your phone when you attempt to transfer or synchronize data between your phone and PC through a USB cable connection.

modem

You can use your phone as a modem, to connect your PC to the Internet or transfer data to/from the PC. To use the phone as a modem, you must connect it to

the PC using a Bluetooth wireless connection or USB cable connection.

Tip: To connect your phone to the PC through a Bluetooth connection, make sure that your PC supports Bluetooth connections and has the correct drivers installed.

Motorola PhoneTools software includes a PC modem application that makes it easy to use your phone as a modem, and to set up a USB cable connection without first having to activate your phone's modem application.

Tap **⌂ Modem** in the application launcher screen to see the modem status screen. When your phone shows **Status: Ready**, it's ready to be used as a standard PC modem.

send data call

1   Open the application (such as dial-up-networking) on your PC, and place the call through the

application. You cannot dial data numbers on your phone's keypad. You must dial them through the PC.

2 When data transfer is complete, end the call from the connected PC to close the connection.

receive data call

1 Your phone notifies you when the data call arrives, and transfers the call to the connected PC. Use the application running on the PC to answer the call.

2 When data transfer is complete, end the call from the connected PC to close the connection.

other features

setup

| features |
| --- |
| **language** |
| Set menu language: |
| Tap [88], tap 🌂 Setup, tap Language. |
| **Tip:** Select Automatic to let your phone set the language based on your location. |
| **text size** |
| Set the size of the display text: |
| Tap [88], tap 🌂 Setup, tap Text Size. |

features
USB mode
Set the mode in which you want to use your phone's USB port:
Tap [88], tap 🌂 Setup, tap USB Mode, then select Modem or Mass Storage.
Motorola mobile PhoneTools software can automatically change your phone's USB mode setting as needed.

features
touchscreen calibration
Calibrate the touchscreen if the phone begins to respond incorrectly to your stylus input on the touchscreen display:
Tap [88], tap ⚙ Setup, tap Screen Calibration.
power management
Your phone includes several features designed to help extend battery life.
Tip: To conserve power, leave Bluetooth™ power turned off when not in use.
Tap [88], tap ⚙ Setup, then tap Power Management.
Select Battery Save to automatically adjust phone settings to maximize battery life.
Select Auto Power Off to have your phone automatically turn itself off after a specified period of inactivity.

features
master reset
Reset all default phone settings **except** for the lifetime timer:
Tap [88], tap ⚙ Setup, tap Master Reset.
Tip: Tap Cancel to exit without performing the master reset procedure.

features

master clear

Caution: Master clear **erases all information you have entered** (including address book and calendar entries) **and content you have downloaded** (including photos and sounds) stored in your phone's memory. After you erase the information, you can't recover it.

Clear all settings and entries you made **except** SIM card information, erase downloaded pictures and sound files, and reset all options **except** for the lifetime timer:

Tap [88], tap 🐾 Setup, tap Master Clear.

Tip: Tap Cancel to exit without performing the master clear procedure.

office applications

features

set alarm

Your phone has an alarm clock with two separate alarms that you can set to alert you at the time(s) you specify.

Tap 🕖 Alarm Clock in the application launcher screen to open the alarm clock setup screen. Tap the check box □ beside an alarm to activate it. A check mark ☑ indicates that the alarm is activated. Tap below the alarm name to set the alarm time. Set the desired time, then tap OK to store it. Tap Snooze to set the snooze period. Tap Save to store your settings. When the alarm expires, your phone shows an alarm reminder and sounds an alert.

features

Note: When you select Alarm When Power Off in the alarm clock setup screen, your phone turns itself on, if necessary, to alert you when the alarm expires.

Calculator

You can use your phone as a calculator.

Tap 📓 Calculator in the application launcher screen to open the calculator.

security

features

lock/unlock SIM card

Your Personal Identification Number (PIN) code protects the information stored on your SIM card. When the SIM card is locked, you must enter your SIM card PIN code to unlock the SIM card each time you turn on the phone or insert the SIM card in the phone. Your SIM card PIN code is given to you by your service provider.

Caution: If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your display shows SIM Bocked.

Tap 88 to open application launcher, tap �â€Œ Setup, tap Security, then select SIM PIN Request .

unblock SIM card PIN codes

If you enter an incorrect SIM card PIN code or PIN2 code three times in a row, your SIM card is disabled and your phone shows SIM PIN Blocked. You must enter a PIN unblocking key (PUK) code, which you can obtain from your service provider

Caution: If the unblocking attempt is tried unsuccessfully 10 times, the SIM card is permanently disabled and your phone shows SIM Disabled.

call times & costs

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing ⊙ or tapping End. This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, contact your service provider.

features
call times
See call timers and cost trackers:
Tap ⟨⊙⟩, tap ☰, tap Setup, tap Call Meters.
To reset the call timer, tap Clear Call Time.
To reset the cost tracker, tap Clear Call Cost.
in-call timer
Show time or cost information during a call:
Tap ⟨⊙⟩, tap ☰, tap Setup, tap Call Meters, tap the Display pop-up menu, then select Timer, Cost, Total Cost, Credit, or Off.

features

audible in-call timer 🅰⁾

Set an audible timer to beep at specified intervals during a call:

Tap ⌢, tap ☰, tap Setup, tap Call Meters, tap the Audible Timer pop-up menu, then select Off, 1 Min, 5 Min, 10 Min, or 15 Min.

call cost setup 🅰⁾

Set a credit limit:

Tap ⌢, tap ☰, tap Setup, tap Call Meters, tap Call Cost Setup, enter your SIM PIN2 code when prompted.

You can enter a credit limit, and set the phone to show your remaining credit in time units or as a currency value.

features

credit available (advice of charge option) 🅰⁾

See the amount of credit available:

Tap ⌢, tap ☰, tap Setup, tap Call Meters, tap Available Credit.

service & repairs

If you have questions or need assistance, we're here to help.

Go to **www.hellomoto.com/support**, where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1-800-331-6456 (United States), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

Specific Absorption Rate Data

This model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. 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 or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada 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, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 0.58 W/kg, and when worn on the body, as described in this user guide, is 0.26 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).[2]

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

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Information from the World Health Organization

Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF exposure by limiting the length of calls or by using handsfree devices to keep mobile phones away from your head and body.

Source: WHO Fact Sheet 193

Further information: **http://www.who.int./peh-emf**

Hearing Aid Compatibility with Mobile Phones

Some Motorola phones are measured for compatibility with hearing aids. If the box for your particular model has "Rated for Hearing Aids" printed on it, the following explanation applies.

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 imune your hearing aid is , the less likely you are to experience interference noise from mobile phones.

Privacy and Data Security

Motorola understands that privacy and data security are important to everyone. Because some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

- **Monitor access**—Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.

- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device which updates the device's security, install it as soon as possible.

- **Erase before recycling**—Delete personal information or data from your mobile device prior to disposing of it or turning it in for recycling. For step-by-step instructions on how to delete all personal information from your device,

see the section entitled "master clear" or "delete data" in this user's guide.

Note: For information on backing up your mobile device data before erasing it, go to **www.motorola.com** and then navigate to the "downloads" section of the consumer Web page for "Motorola Backup" or "Motorola Phone Tools."

- **Understanding AGPS**—In order to comply with emergency caller location requirements of the FCC, certain Motorola mobile devices incorporate *Assisted Global Positioning System* (AGPS) technology. AGPS technology also can be used in non-emergency applications to track and monitor a user's location—for example, to provide driving directions. Users who prefer not to permit such tracking and monitoring should avoid using such applications.

If you have further questions regarding how use of your mobile device may impact your privacy or data security, please contact

Motorola at **privacy@motorola.com**, or contact your service provider.

Smart Practices While Driving

Drive Safe, Call Smart [SM]

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. Go to www.motorola.com/callsmart for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.

- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your mobile device

with one of the many Motorola Original handsfree accessories available today.

- **Position your mobile device within easy reach.** Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

- **Do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.

- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while

moving, dial only a few numbers, check the road and your mirrors, then continue.

- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.

- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies.*

- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.*

- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

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* Wherever wireless phone service is available.

index

DRAFT