

EX245  
GSM  
GSG  
6/10/10

**Dummy Page - To be discarded before printing**

**ITC Notes:**

Use this template with A7MotoQSG StructApps.



# congratulations

The MOTO EX245 is a phone with several premium features including personalization, music, photo, Mobile TV, browsing, and more...all in a stylish touchscreen design.

- **Personalization:** Unify your work and personal life with calendar, email and contacts.
- **Photo:** Use a 3MP camera to take photos and send them to your friends.
- **Mobile TV:** Watch your favorite programs of entertainment, news or sports.

We've crammed all the main features of your phone into this handy guide, and in a matter of minutes we'll show you just how easy your phone is to use. You may be surprised at what you discover.

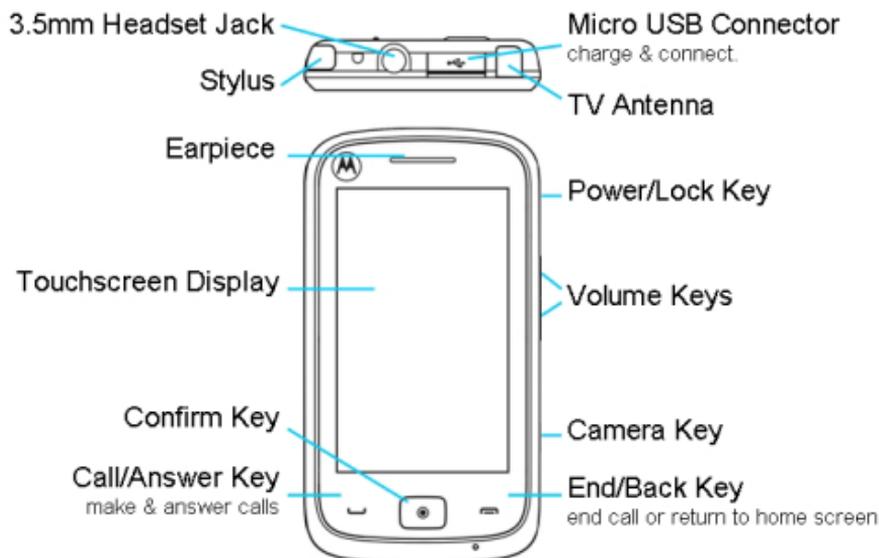
If you'd like to get more information about how to use your new phone, please visit [www.motorola.com](http://www.motorola.com).

**Caution:** Before using your phone for the first time, please read the important **legal and safety information** at the back of the *Getting Started Guide*.

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# my phone



**Note:** All the illustrations, simulated screen and related images used in this manual are for reference only. There may be slight difference between the phone and keys and content of display used in this manual and those of your phone. Please refer to your phone for actuality.

# home screen

*keep you updated at all times...*

The home screen gives you all your latest information in one place. Status indicators appears on the top of the home screen.



Status Indicators

Text and graphic area

Shortcuts

## status indicators



Single Strength



General Profile



Active Voice Call



Meeting Profile



Phone Lock



Outdoor Profile



Alarm Lock



Headset



Roaming Service



Bluetooth



New Messages



Battery

## shortcuts



Main Menu



Messaging



Phonebook



TV



Dial



Trash Can

# menu map



## Call Center

- Call History
- Call Settings



## Phonebook

- Add New Contact
- Contact List



## Tools

- Calculator
- Currency Converter
- Stopwatch
- Ebook Reader
- Calendar
- Tasks
- Alarm
- World Clock
- Synchronization



## Services

- Internet Service
- License Manager



## Messaging

- Write Message
- Inbox
- Drafts
- Outbox
- Sent Message
- Archive
- Delete Messages
- Email
- Broadcast Message
- Templates
- Message Settings



## Social Networks

- Orkut
- Facebook
- MySpace
- Twitter
- YouTube

# menu map



## Multimedia

- MotoID
- Camcorder
- Image Viewer
- Media Player
- Photo Editor
- AB Repeater
- Sound Recorder
- FM Radio
- Schedule FM Record
- Melody Composer
- Slide Show



## TV



## Fun & Games

- Java
- Java Settings
- Java Network
- Games
- Motion Games



## User Profile

- General
- Meeting
- Outdoor
- Indoor
- Headset
- Bluetooth



## File Manager

- Phone
- Memory Card\*



## Settings

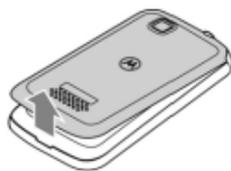
- Call Settings
- Pen Calibration
- Phone Settings
- Network Settings
- Security Settings
- Connectivity
- Restore Factory Settings
- Sound Effects
- License Manager

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

\* Available only when memory card is intalled.

# let's go

**1** open cover



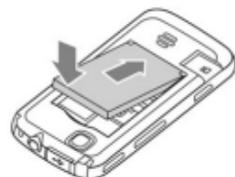
**2** SIM card slot



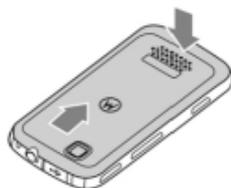
**3** microSD



**4** battery



**5** replace cover



**6** charge



remove battery



remove microSD



**Note:** Your battery is intentionally tight fitting.

*here's a few essentials:*

## turn it on & off

Press and hold the Power/Lock Key  (on the right side of your phone) for a few seconds to turn the phone on and off.

## touch tips

There are three handy ways to navigate

### tap



Gently apply pressure on the touchscreen to select an item.

*Try this:* On the home screen, tap  to open the Main Menu.

# basics

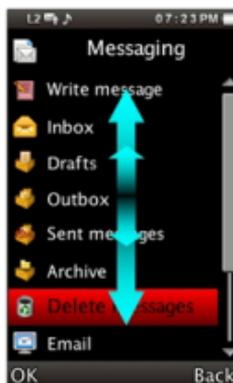
## drag



Tap and hold the scroll bars, or centre of the screen, then drag up/down or left/right.

*Try this:* tap > On the Messaging screen, drag through the item list.

## flick



Similar to dragging, but drag your fingers with lighter and quicker strokes to move up/down or left/right.

*Try this:* On the Messaging screen, flick through the item list.

## access the main menu

- 1 On the home screen, tap  to open the Main Menu.
- 2 Tap any of the onscreen menu buttons.
- 3 You can tap **Back** to move up the previous level. You can also press the End/Back Key  to return to the home screen at any time.

## widgets

On the home screen, you can add a widget such as a clock, a calendar or a memo.

- 1 To open a widget, tap on the home screen for a few seconds until a widget list shows up.
- 2 Check the widget you want, then tap **OK**.
- 3 You can position widgets anywhere on the screen. To move a widget, tap and hold it, then drag the widget where you want it on the home screen.
- 4 The white dots at the bottom right of the screen show that the home screen extends beyond what you see. There are totally three panels to give you more room for adding

widgets. You can flick the home screen left or right to see other panels.

- 5 To delete a widget, tap and hold it, then drag the widget to  at the bottom of the screen.

# calls

*it's good to talk*

## make calls

- 1 On the home screen, tap  to open the onscreen dial keypad.
- 2 Enter a number and press the Call/Answer Key .

## answer calls

Press the Call/Answer Key  when your phone rings or vibrates.

## end calls

Press the End/Back Key  when your phone rings or vibrates.

## redial a number

- 1 On the home screen, Press the Call/Answer Key  to see a list of **All Calls** showing recent missed calls, dialled calls and received calls..
- 2 Scroll to the entry you want to call and press the Call/Answer Key .

## go handsfree

During an active call, tap **H-Free** to turn the handsfree speaker on. Tap **H-Held** to turn the handsfree speaker off.

**Note:** You can also use a wired headset to go handsfree.

## in-call menu

During an active call, you can access the in-call menu by tapping **Options**:

- **New Call:** make a new call during an active call.
- **Background Sound:** select background sound during an active call.
- **DTMF:** switch DTMF (Dual Tone Multi-Frequency) tone dialing system.

You can also access features by tapping the following onscreen buttons:

- **Mute:** silence your microphone.
- **Hold:** put a call on hold.
- **Phonebook:** shortcut to phonebook menu.

# calls

- **Record:** record your conversation during an active call.
- **Messaging:** shortcut to messaging menu.

**Note:** This is the standard main menu layout. **Your phone's menu may be different.**

## emergency calls

To call an emergency number, enter the emergency number and press the Call/Answer Key .

Your service provider programs emergency phone numbers, (such as 112 or 911), that you can call under any circumstances, even when your phone is locked.

Emergency numbers vary by country. Your phone's pre-programmed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

# contacts

*met someone new? save their name*

## save a contact

- 1 On the home screen, tap  to open the onscreen dial keypad and enter a number.
- 2 Tap **Options** > **Save to Phonebook** > **Add New Contact**.
- 3 Enter contact details and tap **Done** > **Yes**.

## call a contact

- 1 On the home screen, tap  to open your phonebook.
- 2 Flick through the list to highlight a contact
- 3 Press the Call/Answer Key  .

*create your personal style*

## user profiles

Your phone provides 6 different profiles to adapt to different environment conditions. In each profile, you can set the desired ring tones and alert types.

- 1 On the home screen, tap  to open the Main Menu, then tap  **User Profiles**.
  - **General:** Standard profile as default setting. After activating this profile, your phone shows an indicator .
  - **Meeting:** Ring tone is set to be off. Only vibrator is activated. After activating this profile, your phone shows an indicator .
  - **Outdoor:** The Volume of ring tone and key tone is set to maximum. After activating this profile, your phone shows an indicator .
  - **Indoor:** Vibrator is set to be off. Only ring tone is activated. After activating this profile, your phone shows an indicator .

# customize

- **Headset:** After plugging a wired headset into your phone, your phone shows an indicator 🎧.
- **Bluetooth:** You can set the desired ring tone and alert type when using Bluetooth headset.

2 Select a profile and tap **Options > Customize** to set the desired ring tones and alert types.

- **Tone Settings:** Set the ring tones of incoming calls and messages. You can also select different types of ring tones for power on/off.
- **Volume:** Adjust the volume of ring tones and key tones.
- **Alert Type:** Select an alert type (Ring only, Vibrate only, Vibrate and Ring, Vibrate then ring).
- **Ring Type:** Select a ring type (Single, Repeat, Ascending).
- **Extra Tone:** Change the switch of Warning, Error, Camp on and Connect.

## display settings

You can set display settings such as Wallpaper, Screen Saver and Power on/off Display by tapping  >  **Settings** > **Phone Settings** > **Display**.

## date & time

You can set date, time, time zone and format by tapping  >  **Settings** > **Phone Settings** > **Time and date**.

## language

You can set menu language by tapping  >  **Settings** > **Phone Settings** > **Language**.

**Note:** This is the standard main menu layout. **Your phone's menu may be different.**

# text entry

*give you comfortable and quick typing*

With your phone's touch screen, you can enter text and create messages or notes.

- 1 When you open the text input field, an onscreen keypad appears at the bottom of the screen.
- 2 You can change the text input method by tapping **Options** > **Input Method**. Your phone provides 4 input methods:
  - **ABC**: Select an appropriate virtual key until the capital letter you want appears on the text input field.
  - **abc**: Select an appropriate virtual key until the lowercase letter you want appears on the text input field.
  - **Numeric**: Select an appropriate virtual key to enter a number.
  - **Insert Symbol**: Select a symbol in the list.
- 3 To delete letters, tap . To enter a space, tap the space key . To enter a symbol, tap .

**Note:** This is the standard input method layout. **Your phone may be different.**

*it's good to text*

## create & send a message

- 1 On the home screen, tap  to open the Main Menu, then tap  **Messaging** > **Write Message**.
- 2 To enter a message, use the onscreen keypad at the bottom of the screen.
- 3 To insert a picture, sound, video or subject, tap **Options**.
- 4 When you finish the message, tap **Options** > **Send to**.  
You can enter one or more recipients or choose from your phonebook.

## receive & read a message

When you receive a message, your phone plays an alert and shows a message indicator  at the top of the screen.

- 1 To read a new message, tap **View** in the message notification area.
- 2 You can read all received messages in your inbox by tapping  >  **Messaging** > **Inbox**

# mobile TV

*watch your favorite programs*

- 1 On the home screen, tap  to open the Main Menu, then tap  TV.
- 2 Tap **Scan** to search for available channels.
- 3 The default view mode is in portrait. To view the current program in full screen mode, tap on the home screen for a few seconds.
- 4 Tap any of the following onscreen buttons function:

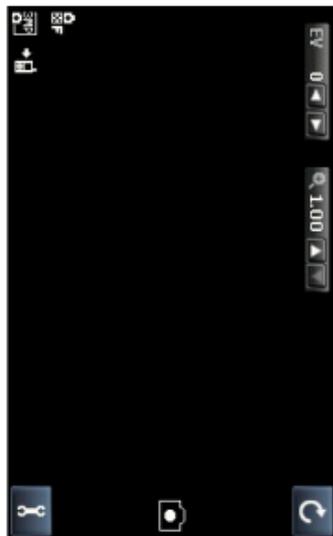
icons	
 Previous Channel	Move up to the previous channel
 Next Channel	Move down to the next channel
 Capture	Capture the onscreen image
 Record	Record the onscreen video
 Replay	Play the buffered video and automatically save it as a video file
 Settings	Set options such as Full Screen Mode, Replay Options, Channel Scan etc.
 Channel List	Display channel list and program guide
 Back	Go back to the Main Menu

**Note:** Available programming and networks may vary depending on your service provider or region

# camcorder

*capture your colorful life!*

- 1 On the home screen, tap  to open the Main Menu, then tap  **Multimedia** > **Camcorder** to see the viewfinder.



- 2 Tap  or press the Camera Key (on the right side of phone) to take the photo.
- 3 You can find your photos by tapping  > **Photo Album**.

**Note:** Before taking your photo, you can tap  to access features, such as **Capture Mode**, **Scene Mode**, **Image Size**, **AF Range**, **Self-timer**, **ISO**, **White Balance**, **Effects Storage**, **Image Quality** etc.

# media player

*make your own media library.*

## playlists

### create a playlist

- 1 On the home screen, tap  to open the Main Menu, then tap  **Multimedia** > **Media Player** > **My Playlists** > **Options** > **New**.
- 2 Enter a name for the playlist, then tap **Options** > **Done**.
- 3 Tap the playlist you want to edit, then tap **Options** > **Add** to add music or video files from your phone or memory card.

### play a playlist

In **My Playlists**, tap the playlist you want to play, then tap a music or video file.

### delete a playlist

In **My Playlists**, scroll to the playlist you want to delete, then tap **Options** > **Delete**.

# media player

## player settings

When using the media player, you can tap **Options > Settings > Player Settings** to set these options.

- **Skin:** Switch your desired player skin.
- **Shuffle:** Set all songs play shuffled or one by one.
- **Repeat:** Repeat all songs or one selected song.
- **Motion Sensor:** Switch the motion sensor.
- **Sound Effects:** Set your desired equalizer modes such as Bass, Classical or Party.
- **Bass Enhancement:** Switch the effect of bass enhancement

## media player tips

You can use other phone features when playing music. But, using applications like **Games** or **FM radio** turns the media player off.

If you receive a call while playing music, the music pauses automatically. You can answer or reject the call and send the caller to voicemail. Playing will resume when you end the call.

# radio

*listen to your favorite channels*

1 Plug a wired headset into your phone.

**Note:** The FM radio works only when a headset is plugged in.

2 On the home screen, tap  to open the Main Menu, then tap  **Multimedia** > **FM radio**.

3 Tap  or  to tune in a station. You can also tap **Options** > **Auto Search** to automatically search for available radio channels.

4 Tap **Options** to set these options:

- **Channel List:** Bookmark up to 9 radio channels.
- **Manual Input:** Key in channel frequency.
- **Auto Search:** Automatically search for available radio channels and store them to the channel list.
- **Settings:** Set FM radio skin, Loudspeaker, Record format, Audio quality, Record storage.
- **Record:** Record your favorite radio programs.
- **Appends:** Resume the previous recorded file and continue to record at the same file.
- **File List:** Manage the previous recorded files.

# personal organizer

*manage your life with these handy tools*

## calendar

- 1 On the home screen, tap  to open the Main Menu, then tap  **Tools > Calendar**.
- 2 Tap **Options** to add, delete or view the event. You can set three types of event including **Reminder**, **Meetings**, and **Course**.
- 3 When you highlight an event in the calendar, more details appear at the bottom.

## tasks

- 1 On the home screen, tap  to open the Main Menu, then tap  **Tools > Calendar**.
- 2 Tap **Add** to add tasks of **Date**, **Call**, and **Anniversary**.

## alarms

- 1 On the home screen, tap  to open the Main Menu, then tap  **Tools > Alarm**.
- 2 You can set the FM radio as your alarm tone by tapping **Edit > Alarm Tone > FM radio**.

*keep your phone secure*

## codes & password

- 1 On the home screen, tap  to open the Main Menu, then tap  **Settings** > **Security Settings**.
- 2 Tap **Phone Lock** and enter a password to turn the lock on. The Phone Lock is originally set to 1122.
- 3 In Security Setting, you can change the password by tapping **Change Password** > **Phone Password**.

## lock & unlock phone

You can lock the screen/phone by quickly pressing the Power/Lock Key . To unlock the screen/phone, quickly press the Power/Lock Key  again, then drag the lock icon from left to right on the screen.

# troubleshooting

*we are here to help*

## crash recovery

In the unlikely event that your phone stops replying to taps and key presses, try a quick reset. Remove the back cover and battery, then replace and turn your phone on as usual.

## reset

From the home screen, tap  to open the Main Menu, then tap  **Settings** > **Restore Factory Settings**. Your phone will be reset to factory settings, and all data on your phone will be deleted.

## Battery Use & Safety

**Important: Handle and store batteries properly to avoid injury or damage.** Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

### DON'Ts

- **Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.**
- **Don't let the phone or battery come in contact with water.** Water can get into the phone's circuits, leading to corrosion. If the phone and/or battery get wet, have them checked by your carrier or contact Motorola, even if they appear to be working properly.
- **Don't allow the battery to touch metal objects.** If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.
- **Don't place your battery near a heat source.** Excessive heat can damage the phone or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
- Do **not** dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- Avoid leaving your phone in your car in high temperatures.

### DOs

- **Do avoid dropping the battery or phone.** Dropping these items, especially on a hard surface, can potentially cause damage.
- **Do contact your service provider or Motorola if your phone or battery has been damaged from dropping or high temperatures.**

**Important: Use Motorola Original products for quality assurance and safeguards.** To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety

protection), Motorola provides holograms on its batteries. Consumers should confirm that any battery they purchase has a “Motorola Original” hologram.

**Motorola recommends you always use Motorola-branded batteries and chargers.** Motorola mobile devices are designed to work with Motorola 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 has a “Motorola Original” hologram;
- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and retry charging it;
- If the message remains, contact a Motorola authorized service center.

**Important:** Motorola’s warranty does not cover damage to the phone caused by non-Motorola batteries and/or chargers.

**Warning:** Use of a non-Motorola battery or charger may present a risk of fire, explosion, leakage, or other hazard.

**Proper and safe battery disposal and recycling:** Proper battery disposal is not only important for safety, it benefits the environment. Consumers may recycle their used batteries in many retail or service provider locations. Additional information on proper disposal and recycling may be found on the Web:

- [www.motorola.com/recycling](http://www.motorola.com/recycling)
- [www.rbrc.org/call2recycle/](http://www.rbrc.org/call2recycle/) (in English only)

**Disposal:** Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling center or national recycling organizations for more information on how to dispose of batteries.



**Warning:** Never dispose of batteries in a fire because they may explode.

## **Battery Charging**

### **Notes for charging your phone's battery:**

- When charging your battery, keep it near room temperature. Never expose batteries to temperatures below  $-30^{\circ}\text{C}$  or above  $55^{\circ}\text{C}$  when charging.
- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

## **Specific Absorption Rate Data (IEEE)**

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  $1.6\text{ W/kg}$ .<sup>1</sup> 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 SAR value for this product in its data transmission mode (body-worn use) is 1.21 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).<sup>2</sup>

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.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://www.phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

## **Software Copyright Notice**

Motorola products may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to

distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

## **Content Copyright**

The unauthorized copying of copyrighted materials is contrary to the provisions of the Copyright Laws of the United States and other countries. This device is intended solely for copying non-copyrighted materials, materials in which you own the copyright, or materials which you are authorized or legally permitted to copy. If you are uncertain about your right to copy any material, please contact your legal advisor.

## **Safety & 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 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.

## 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, keep the mobile device and its antenna at least 1.5 centimeters from your body when transmitting.

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](http://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 healthcare provider.

## Driving Precautions

Using a mobile device while driving may cause distraction. End a call if you can't concentrate on driving. Input information about your destination and route prior to your drive. Do not input data or engage in text messaging while driving. Keep your eyes on the road while driving. Listen to the audible turn-by-turn directions, if available.

Also, using a mobile device or accessory may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products. Responsible driving practices can be found at [www.motorola.com/callsmart](http://www.motorola.com/callsmart) (in English only).

## 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.
	Do not let your battery, charger, or mobile device get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

## Batteries & Chargers

**Caution:** Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see “Battery Use & Safety.”

## Keep Your Mobile Device & Its Accessories Away From Small Children

These products are not toys and may be hazardous to small children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

### 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 tired.

### Caution About High Volume Usage

**Warning:** Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the less time is required before your hearing could be affected. To protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.



- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears, or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked.

For more information about hearing, see our Web site at [direct.motorola.com/hellomoto/nss/AcousticSafety.asp](http://direct.motorola.com/hellomoto/nss/AcousticSafety.asp) (in English only).

## 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.

[Nov0109]

## Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device. See RSS-GEN 7.1.5.

## 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 & 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.



### **shock and vibration**

Don't drop your phone.

## **Motorola Limited Warranty for the United States and Canada**

### **What Does this Warranty Cover?**

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories, and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

## Products and Accessories

<b>Products Covered</b>	<b>Length of Coverage</b>
<b>Products and Accessories</b> as defined above, unless otherwise provided for below.	<b>One (1) year</b> from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
<b>Decorative Accessories and Cases.</b> Decorative covers, bezels, PhoneWrap™ covers and cases.	<b>Limited lifetime warranty</b> for the lifetime of ownership by the first consumer purchaser of the product.
<b>Monaural Headsets.</b> Ear buds and boom headsets that transmit mono sound through a wired connection.	<b>Limited lifetime warranty</b> for the lifetime of ownership by the first consumer purchaser of the product.
<b>Consumer and Professional Two-Way Radio Accessories.</b>	<b>Ninety (90) days</b> from the date of purchase by the first consumer purchaser of the product.
<b>Products and Accessories that are Repaired or Replaced.</b>	<b>The balance of the original warranty or for ninety (90) days</b> from the date returned to the consumer, whichever is longer.

### Exclusions (Products and Accessories)

**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

**Batteries.** Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

**Abuse & Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact

with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

**Use of Non-Motorola Products and Accessories.** Defects or damage that result from the use of non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

**Unauthorized Service or Modification.** Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

**Altered Products.** Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

**Communication Services.** Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

<b>Products Covered</b>	<b>Length of Coverage</b>
<b>Software.</b> Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	<b>Ninety (90) days</b> from the date of purchase.

Exclusions (Software)

**Software Embodied in Physical Media.** No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software

products will be uninterrupted or error free, or that all defects in the software products will be corrected.

**Software NOT Embodied in Physical Media.** Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

## Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

## What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

## How to Obtain Warranty Service or Other Information

<b>USA</b>	<b>Phones:</b> 1-800-331-6456 <b>Pagers:</b> 1-800-548-9954 <b>Two-Way Radios and Messaging Devices:</b> 1-800-353-2729
<b>Canada</b>	<b>All Products:</b> 1-800-461-4575
<b>TTY</b>	1-888-390-6456
For <b>Accessories</b> and <b>Software</b> , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain

service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

## What Other Limitations are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

**Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.**

## 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>

## Product Registration

Online Product Registration:

[www.motorola.com/us/productregistration](http://www.motorola.com/us/productregistration)

Product registration is an important step toward enjoying your new Motorola product. Registering permits us to contact you for product or software updates and allows you to subscribe to updates on new products or special promotions. Registration is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

## Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

## 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 & Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. Do not



dispose of your battery or mobile device in a fire. 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](http://www.motorola.com/recycling)

## Disposal of your Mobile Device Packaging & 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.

## California Perchlorate Label

Some mobile phones use an internal, permanent backup battery on the printed circuit board that may contain very small amounts of perchlorate. In such cases, California law requires the following label:

Perchlorate Material – special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)

There is no special handling required by consumers.

## Privacy & 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 that updates the device's security, install it as soon as possible.

- **Secure personal information**—Your mobile device can store personal information in various locations including your SIM card, memory card, and phone memory. Be sure to remove or clear all personal information before you recycle, return, or give away your device. You can also backup your personal data to transfer to a new device.

**Note:** For information on how to backup or wipe data from your mobile device, go to [www.motorola.com/support](http://www.motorola.com/support)

- **Online accounts**—Some mobile devices provide a Motorola online account (such as MOTOBLUR). Go to your account for information on how to manage the account, and how to use security features such as remote wipe and device location (where available).
- **Location-based information**—Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.
- **Other information your device may transmit**—Your device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola.

If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at [privacy@motorola.com](mailto:privacy@motorola.com), or contact your service provider.

## Smart Practices While Driving

Drive Safe, Call Smart

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 -- for example, handsfree use only. Go to [www.motorola.com/callsmart](http://www.motorola.com/callsmart) (in English only) 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 voicemail 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 (wherever wireless phone service is available).
- **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 (wherever wireless phone service is available), 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 (wherever wireless phone service is available).

Motorola, Inc.  
Consumer Advocacy Office  
600 N US Hwy 45  
Libertyville, IL 60048

**[www.hellomoto.com](http://www.hellomoto.com)**

**Note:** Do not ship your phone to the above address. If you need to return your phone for repairs, replacement, or warranty service, please contact the Motorola Customer Support Center at:

1-800-331-6456 (United States)

1-888-390-6456 (TTY/TDD United States for hearing impaired)

1-800-461-4575 (Canada)

Certain mobile phone features are dependent on the capabilities and settings of your service provider's network. Additionally, certain features may not be activated by your service provider, and/or the provider's network settings may limit the feature's functionality. Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in this user's guide are based upon the latest available information and are believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

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**Caution:** Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

Manual Number: 68000202648-A

U.S. patent Re. 34,976



