

APPLICANT MOTOROLA INC.

FCC ID: IHDT56KP1

INSTRUCTION MANUAL

A representative version of the user's manual follows:



# congratulations!

The **MOTO™** W7 does it all. Use the gesture controls to easily perform many important phone functions, or to play a motion sensed game. Use the cool pedometer and music player to take your workouts to a new level. Or, take photos and video clips, and send them to your friends. All this while you're still connected — take or make voice or video calls or exchange messages.

We've crammed all of 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. So go on, avoid those "I'm not sure how to send a text message" moments and check it out.

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

**Caution:** Before using your phone for the first time, please read the important **legal and safety** information at the back of this guide (page 51).

# this guide

## symbols in this guide



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.



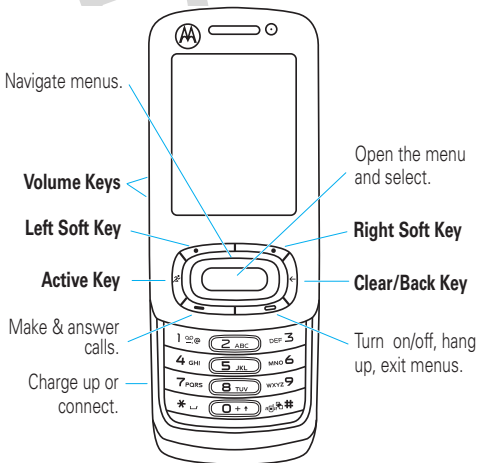
This means a feature requires an optional accessory.

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# your phone

## *the important keys & connectors*



# main menu



## Camera

- Picture mode
- Video mode



## Contacts



## Media player

- Music
- Pictures
- Videos
- Media links



## Call history



## Messaging



## Internet

- Home Page
- Enter URL
- Bookmarks
- History
- Settings



## Tools

- Calendar
- Alarm clock
- Calculator
- STK \*
- Stopwatch
- Sound recorder

## Tools cont.

- World clock
- Unit converter
- Synchronisation \*
- Voice memo



## Games

## Video calls



## Bluetooth



## File Manager



## Settings

- Easy menu
- Profiles
- Ringtones
- Themes
- Display
- Connectivity
- Shortcuts
- Call Setup
- Phone
- Clock
- Security
- Network
- Accessories

\* Network Dependent

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

# main menu

## FM Radio

### Active

- Gesture Control
- Pedometer
- Personal Trainer
- Games
- Stopwatch
- Summary Reports

### Net Links Folder

- Google
- YouTube
- Gmail
- Baidu Search

\* Network Dependent

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



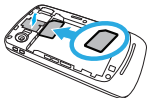
# let's go

## let's get you up & running

**1** cover off:



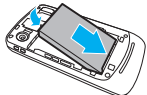
**2** SIM:



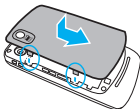
**3** microSD:



**4** battery:



**5** cover on:



**6** charge:



**Caution:** See page 51 for battery use & safety information.

## *a few essential basics*

### turn it on & off

Press and hold  for a few seconds.

### set up & go


Set up the most important features on your phone with the easy-to-follow setup wizard, when you turn your phone on for the first time.

There are four setup options:


- **Basic Setup:** Set up the date and time, your personal profile, and more.
- **Pedometer:** The pedometer counts your steps. But before you can use it, you must first calibrate (fancy word for 'adjust') the settings.
- **Personal Trainer:** Set up a workout.
- **Gesture Control:** Set up to control phone functions (see page 10).

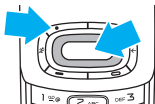
## menu navigation



Press the centre key  to open the Main Menu.



Press the navigation key  up, down, right or left to highlight a menu option.



Press  or **Select** (left soft key) to select the highlighted option.

# gesture control

*enjoy life in motion*

**Find it:**  >  Active > Gesture Control

Six ways to get the best out of your phone:

## shake twice

Shake the phone twice, from side to side, to access your favorite action.

To set up your favorite action, press **Shake Twice**.

## double tap

Tap the display twice to unlock your phone.

## pick up

Pick up the phone, from a still position, to turn on the backlight.

# gesture control

## flip over

Flip the phone over, from a still position, to:

- Silence an incoming call
- Set the alarm to **Snooze**
- Pause the music

## left or right

Shake left or right once, in the Music Player or Photo Album, to switch to the previous/next song or photo.

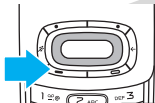
## drop warning

Select a sound to play when you drop your phone.

**Note:** For this feature to work, your phone must not be in **Silent** or **Vibrate** mode.

# calls

*it's good to talk*



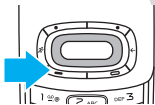
## make a call

**Voice calls** - from the home screen, enter a number and press




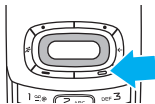
**Video calls** - from the home screen, enter number and press

**Options > Video call.**



## answer a call

When your phone rings or vibrates, press .





## end a call

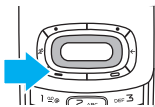
Press .


# calls

## redial a number

- 1 From the home screen, press  and scroll through the tabs to see a list of recently dialled calls.
- 2 Scroll to the entry you want to call and press .

## emergency calls



To call an emergency number, enter the emergency number and press .

Your service provider programs emergency phone numbers, (such as 999, 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.

## go handsfree

To turn the speaker on or off during a call, press **Options > Speaker**.

You can also use an optional mini USB headset to go handsfree.

## voice in-call menu

During a **voice call** you can access the in-call menu by pressing **Options**:

- **Speaker** - turn speakerphone on or off.
- **Mute** - switch your microphone on/off.
- **Hold** or **Resume** - hold the call or return to a held call.
- **Video call** - switch to video call.
- **Main menu** - access the main menu.

## video in-call menu

During a **video call** you can access the in-call menu by pressing **Options**:



# calls

- **Zoom mode** - zoom in/out of video transmission.
- **Mute video** - turn off/on the outgoing video.
- **Mute sound** - silence your microphone.
- **Pause outg.**- pause the outgoing video.
- **Pause inc.** - pause the incoming video.
- **Switch camera** - switch between the secondary camera lens (on the front) and the primary camera lens (on the back).
- **Full/Split screen** - set the screen mode.
- **Frame rate** - choose between a **High** and **Low** frame rate.
- **White balance** - set the white balance for the video.
- **Flicker adjustment** - set the flicker rate to **Off**, **50hz** or **60hz**.
- **Send picture** - send a picture while you are on the call.
- **Send video** - send a video while you are on the call.
- **Speaker** - turn speakerphone on or off.
- **Switch to voice** - switch to a voice call.
- **Add to contacts** - add the person on the video call to your list of contacts.




# contacts

*met someone new? save their number*

## save a contact

- 1 Enter the number on the home screen and press **Options** > **Save** > **To new contact** or **To exist. contact**.
- 2 Choose the number type, then enter the contact details and press **Save**.

## call a contact

- 1 Press  >  **Contacts**.
- 2 Scroll through the list to highlight the contact.
- 3 Press .


# customise

*go ahead, add your personal touch...*

## profiles

**Find it:**  >  **Settings** > **Profiles**

You decide when and how your ringtones and alerts are used.

To **apply** a profile, scroll to the desired profile and press .

To **edit** a profile, scroll to the desired profile and press **Options** > **Change settings**.

**Note:** The **Headset profile** is automatically applied when a headset is connected to your phone.

## ringtones & alerts

There are times when you want to hear your ringtone, and there are times when you don't.

**Find it:**  >  **Settings** > **Ringtones**

- 1 Select the feature that you want to edit, such as **Voice calls** or **Video calls**.
- 2 Press **Melody** > **Settings** > **Sounds**.
- 3 Scroll to a sound and press **Select**.

## themes



Why not load a completely new interface on your phone? A new theme will give you a new ringtone, animation and wallpaper, among other things.

**Find it:**  >  **Settings** > **Themes**, scroll to the theme, and press **Select**.

**Note:** When you apply a new theme, your existing settings may be overwritten.

## wallpaper & screen saver






Change the wallpaper and screen saver to set the look and feel of your phone's display.

**Find it:**  >  **Settings** > **Display** > **Wallpaper** or **Screen saver**

**Tip:** Want your home screen to move? Select an animation as your wallpaper.

# tips & tricks



*make your phone easier to use*

To...	Do this...
access pedometer	Press ?
see recently dialled numbers	Press  .
access voicemail	Press and hold  .
lock keys	Press  > Options > Keylock.
unlock keys	Press <b>Unlock</b> >  .
switch profiles	Press and hold  .

# messages

*sometimes it's better to say it in a message*

## create & send a message

- 1 Press  >  **Messaging** > **Create message**.
- 2 Select a message type and enter the message text (see page 22).
- 3 To insert a picture, video, sound or contact, press **Options** > **Add item**.
- 4 When you finish the message, press **Options** > **Add Recipient**. Choose one or more people to send to.
- 5 Press **Send**.

## receive a message

Press **View** to read the message immediately, or save it in your message inbox for viewing later.

**Find it:**  >  **Messaging** > **Inbox**

## voicemail

When you **receive** a voicemail message, your phone shows an indicator and **Missed Call**.



# messages

Press and hold **1** to call your voicemail, then follow the prompts.

## enter text


To change modes when you are entering text, press **#**:

### entry modes



Multi-tap cycles through the letters and numbers of the key you press.




**T9™** combines your single key presses and predicts each word as you enter it. If the word is not correct, press  down to scroll through the possible combinations.



**Numeric** mode enters numbers only.

**Shortcut:** Press and hold a number key to temporarily switch to numeric mode.

**To quickly enter punctuation or special characters,** press **1**. Press  down to scroll through the options.

**To change capitalization,** press **0**.



# messages

**To accept** a word completion that appears after the letters you entered, press .

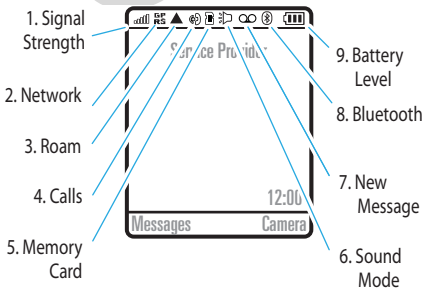
**To enter a space**, press .

**To delete a character**, press  (to delete a whole word, press and hold .

# home screen

*you can always go home*

Status indicators can appear across the **top of the home screen** (your phone's home screen may be different than the one shown):



# ACTIVE

*burn, baby! burn!*

## pedometer

**Find it:**  > Active > Pedometer

The pedometer counts and reports your steps—it's the ideal fitness companion.

**Note:** Before you can use the pedometer, you must first calibrate (fancy word for 'adjust') the settings. If you have not already done this, follow the on screen instructions.

Press **Options** to open the pedometer menu:

option	
Set Goal	Set yourself a steps goal.
Unit	Set the units of measurement.
My Physical Profile	Set your <b>Height</b> , <b>Weight</b> and more.
Reset	Reset today's data.
Pedometer Settings	Set the pedometer to <b>Always On</b> and calibrate by <b>Distance</b> or <b>Stride</b> .

# ACTIVE

## personal trainer

**Find it:**  > **Active** > **Personal Trainer**

Customize your workouts based on **Time**, **Distance** or **Calories** burnt, or press **Just Go!** to start your workout without delay.

To set your workout music playlist, see page 34.

**Tip:** Want to set an alert tone to tell you when your warm up has ended, or when you need to speed up? Press **Options** > **Personal Trainer Settings**.

## summary reports

**Find it:**  > **Active** > **Summary Reports**

View the number of calories burnt today or total number of steps taken in the last week, and more.

You can view summary reports for the **Pedometer** or **Personal Trainer**, or a combination of both.

# set up music

*when music is what you need...*

## what music transfer tools do I need?

To put music on your computer and then load it on your phone, you need:

- A Microsoft™ Windows XP™ or Windows Vista™ PC.
- USB data cable (may be sold separately).

## do I need a memory card?

Simple answer, yes. Your phone does have 8 MB of internal memory, but it also supports removable microSD memory cards with up to 8 GB capacity, allowing you to store much more data.

**Note:** Motorola approved SanDisk cards are recommended for cards greater than 1 GB.

See “USB & memory card” on page 47 for more information on memory cards. A memory card is needed to “drag and drop” music files from a PC.

# set up music

## what music file formats can I play?

Your phone can play many types of files: MP3, MIDI, WAV, AAC, WMV, WMA, XMF, and AMR.

## do I need a USB cable?

To load music from a computer to your phone, you must use a USB data cable, which may be sold separately from your phone.

## what headphones can I use?

Your phone has a mini USB headset jack for wired stereo listening. Or, go wireless and use optional Bluetooth® stereo headphones to listen to your music.

# get music

*load your favorite tunes...*

## rip a CD

Not literally — if you're new to music, this means transferring music from an audio CD to your PC.

To rip an audio CD on your PC, you need Windows™ Media Player version 11 or later. You can download Windows Media Player from [www.microsoft.com](http://www.microsoft.com).

- 1 On your computer**, launch Windows Media Player.
- 2** Insert an audio CD into your computer's CD ROM drive.  
**Note:** Make sure you change the format to MP3, MIDI, WAV, AAC, WMV, WMA, XMF, or AMR in the Rip Settings.
- 3** In the Windows Media Player window, click on the "Rip" tab.
- 4** Highlight the songs you want to import and click "Rip Music".

# get music

The songs are imported to the Windows Media Player Library. Next, transfer the songs from your computer to your phone.

## load music

Transfer files from a PC to a removable memory card.

**Note:** Your phone does not support DRM protected music files. 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.



## PC to phone

Got a USB data cable? Good, let's start loading your music onto your phone:



# get music

- 1 With a memory card inserted and your phone in the home screen, insert the USB cable in your phone and your Windows PC.
- 2 On your phone, press **Yes** to connect your phone as a storage device.
- 3 Now that you've connected, use **Windows Media Player** or **USB drag & drop** to copy your music.

## Windows Media Player

- 1 **On your Windows PC**, open Microsoft Windows Media Player.
- 2 If you are not prompted to rename your phone, on the **Sync** tab, select **More Options**. Under Devices, select "Removable Disk" (memory card) and rename to "W7 Mobile".
- 3 Select **Properties**, check the "Create folder hierarchy on device" box, and click **OK**.

# get music

## USB drag & drop

- 1 Use the “My Computer” window to find “Removable Disk” (memory card).



**Note:** When your phone is plugged into a PC and is being used as a mass storage device, it cannot be used for anything else. To restore the phone to normal use, disconnect it from the PC.

- 2 Drag and drop your music anywhere onto the memory card.

**Note:** A file name (including the path) must be less than 254 characters.

- 3 When you're done, use the **Safely Remove Hardware** feature to finish.

## where can I find the files on my phone?

Your music files are stored in the File manager on your phone. Press  >  **File manager** > **MicroSD card** tab > **Sounds**.

# play music

*listen to your favorite tunes...*

**Find it:**  >  **Media player** > **Music**

**Note:** Your phone may not play MP3 files that have a bit rate higher than 192 kbps. If you try to download or play one of these files, your phone may display an error message or ask you to delete the file.







**Tip:** Connect a stereo or Bluetooth® headset for high quality music playback.

From the **Music** tab, choose an option:

<b>options</b>	
<b>Playlists</b>	Play and manage your playlists.
<b>Recent</b>	Select a recently played song.
<b>All</b>	Select from all saved songs.

# play music

## music player controls


functions	
<b>scroll through song list</b>	Before music playback, press  up or down.
<b>play/pause/resume</b>	Press  .
<b>fast forward</b>	Press & hold  right.
<b>next song</b>	Press  right.
<b>rewind</b>	Press & hold  left.
<b>previous song</b>	Press  left.
<b>turn off</b>	Press <b>Stop</b> .

**Note:** Press the side volume keys to increase or decrease the volume of the song playing.

## playlists

**Find it:**  >  **Media player** > **Music** > **Playlists**

# play music

- To create a new playlist, scroll to **<New playlist>** and press **Select**.
- To edit your workout music, scroll to **Warm Up, Cool Down** or **Workout** and press **Select**.
- To play a playlist, scroll to the playlist and press .

## music playlist options

option	
Play	Play a song or playlist.
Add new tracks	Add a song/s to an existing playlist.
Play on accessory	Select a audio device to play your songs on.
Rename	Rename the playlist.
Delete	Delete the playlist.

## turn off music player

Just press .

# play music

## music player tips



If you receive a call while playing music, the music pauses. To ignore the call and send the caller to voicemail, press **Quiet > Reject**. To answer the call, press **Answer**. Playing resumes when you end the call.


To minimise your music player while a song is playing, press **Options > Minimize**. If the music player is minimized, you can use other phone features.


# photo

*see it, snap it, send it!*

## take & send photos

Find it:  >  Camera > Picture mode

To **take the photo**, press . The photo is automatically saved. Then:

- To **send** the photo in a message, or via Bluetooth, press **Options** > **Send Picture**. 
- To **discard** the video clip and return to the active viewfinder, press **Discard**.

# photo

## photo options

In the viewfinder, press **Options** to open the camera menu:

options	
<b>View Pictures</b>	View the <b>Pictures</b> folder.
<b>Video Mode</b>	Switch to video mode.
<b>Switch Camera</b>	Switch between the primary and secondary camera lens.
<b>Self Timer</b>	Set a 10-second timer.
<b>Picture Settings</b>	Set the <b>Resolution</b> , <b>Default Name</b> , <b>Save Location</b> and <b>White Balance</b> settings.

## do more with your photos

**Find it:**  >  **File Manager** > **Pictures** > *picture name*

To assign the photo to a **contact**, send via **Bluetooth** or apply as your **wallpaper**, and more, open it and press **Options**.





# video

*you just had to be there*

## record & send videos

**Find it:**  >  Camera > Video mode

**Tip:** To send your video in a message, set the video to **Message Mode**: Press **Options** > **Message Mode**. To record the video with sound, press **Options** > **Audio Record**.

**To record** the video, press . Press **Stop** to stop the video. The video clip is automatically saved. Then:

- To **send** the video clip in a message, or via Bluetooth, press **Send**.



# video

- To **view** the video clip, press **Options** > **Play Video**.
- To **discard** the video clip and return to the active viewfinder, press **Discard**.

## video options

In the viewfinder, press **Options** to open the video menu:

options	
<b>View Videos</b>	View the <b>Videos</b> folder.
<b>Picture Mode</b>	Switch to picture mode.
<b>Switch Camera</b>	Switch between the primary and secondary camera lens.
<b>Video Settings</b>	Set the <b>Resolution</b> , <b>Default Name</b> , <b>Save Location</b> , <b>Frame Rate</b> , and <b>Flicker Adjust</b> settings.

## do more with your videos

**Find it:**  >  **File Manager** > **Videos** > *video name*

To send via **Bluetooth** or play using the **full screen**, and more, open it and press **Options**.

*lose the wires and go wireless*

## turn Bluetooth power on or off

If Bluetooth power is **On**, your phone can connect with Bluetooth devices.




**Find it:**  >  **Bluetooth** > **Turn On** or **Turn Off**

**Note:** To extend battery life, set Bluetooth power to **Off** when not in use.


## connect new devices



To connect with a new device, you need to pair with it. You only need to do this once for each device - to connect again, see page 45.

- 1** Make sure the device you are pairing with is in *discoverable* mode.
- 2** Press  >  **Bluetooth Link** > **[Search for all Devices]**.
- 3** Your phone lists the devices it finds within range. Scroll to a device and press .
- 4** If necessary, press **Yes**, **OK** or enter the device passkey (such as **0000**) to connect to the device.

# Bluetooth® wireless

When the device is connected, the Bluetooth indicator  appears in the home screen.

**Tip:** For specific information about a device, check the instructions that came with it.

**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.

## reconnect devices



**To automatically reconnect** your phone with a paired device, simply turn the device on.

**To manually reconnect** your phone with a paired device:

- Press  >  **Bluetooth** > *device name*.
- During a call or while listening to a song, press **Options** > **Play on Accessory** to switch to a recognized headset or car kit.

## disconnect devices



**To automatically disconnect** your phone from a paired device, simply turn the device off.

**To manually disconnect** your phone from a paired device, press  >  **Bluetooth** > *device name* > **Drop**.

## send files




You can use a Bluetooth connection to send a media file or contact from your phone to a computer or other device.

- 1 On your phone, scroll to the item that you want to transfer.
- 2 Press **Options** > **Send** > **Via Bluetooth**.
- 3 Select a recognized device name, or **[Search for all Devices]** to search for the device.



If your phone could not transfer the file to the other device, make sure the device is in *discoverable* mode. Also, make sure the device is not busy with another similar Bluetooth connection.

# Bluetooth® wireless

**Note:** Once you connect your phone to a Bluetooth device, that device can start similar Bluetooth connections with your phone. Your display shows the Bluetooth indicator  at the top when there is a Bluetooth connection.

## receive files



If you do not see the Bluetooth indicator  at the top of your phone display, turn on your phone's Bluetooth feature by pressing  >  **Bluetooth** > **Turn On**.

- 1** Place your phone near the device, and send the file from the device.

If your phone and the sending device don't recognize each other, place your phone in discoverable mode so the sending device can locate it:

press  >  **Bluetooth** > **Options** > **Bluetooth Settings** > **Visible to Others** > **Show**.

- 2** Press **Yes** on your phone to accept the file from the other device.

Your phone tells you when file transfer is complete. If necessary, press **Store** to save the file.

# Bluetooth® wireless




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# personal organiser

*stay on top of things with these handy features*

## add & view calendar event

**Find it:**  >  Tools > Calendar

Scroll to the desired day and press , then scroll to the time slot and press  to add an event, or scroll to the event and press  to view it.



**Note:** When an event reminder occurs, press  to view it. Press **Off** or **Snooze** to dismiss it.

## set alarm

**Find it:**  >  Tools > Alarm clock

## calculator

**Find it:**  >  Tools > Calculator

**Note:** To convert currency, press  >  Tools > Unit Converter > Currency.



# USB & memory card

*connect your phone and PC, then drag & drop*

## format

You need to format a memory card, **using the phone**, before using it for the first time. This essential procedure creates the **Games, Miscellaneous, Pictures, Sounds** and **Videos** folders and ensures your phone can read the contents of the card. Your phone will prompt you if you need to format your memory card.

**Caution:** Formatting the memory card erases all content on the card.

## drag & drop

**Note:** Please download the USB charging driver onto your PC, at [www.motorola.com/support](http://www.motorola.com/support).

- 1 With a memory card inserted and your phone in the home screen, insert the USB cable in your phone and your Windows PC.

**Note:** Your supports Microsoft™ Windows XP™ and Windows Vista™. Other operating systems may not be compatible with your phone.

# USB & memory card

- 2 On your phone, press **Yes** to connect your phone as a storage device.
- 3 Use the “My Computer” window to find “Removable Disk” (memory card).

**Note:** When your phone is plugged into a PC and is being used as a mass storage device, it cannot be used for anything else. To restore the phone to normal use, disconnect it from the PC.

- 4 Drag and drop your music anywhere onto the memory card.

**Note:** A file name must be less than 122 characters and, including the path, must be less than 244 characters.

- 5 When you're done, use the **Safely Remove Hardware** feature to finish.

**Note:** Motorola Phone Tools are not supported.


# internet

*surf the Web from your phone*

Find it:  >  Internet

option	
Home Page	Open the preset Home Page.
Enter URL	Enter and go to a Web page URL.
Bookmarks	Create and manage bookmarks.
History	Access a list of recently viewed Web sites.
Settings	Change your Web settings.

## open a Web page

- 1 Press **Enter URL** and enter the Web address, such as **www.motorola.com**.
- 2 Press .

# security

*keep your phone secure*

## PIN codes & passwords

Your phone's PIN **code** is set to **1234** or to the last four digits of your phone number by your service provider.



**To change the PIN codes:**

**Find it:**  >  Settings > Security > PIN Codes

## lock & unlock phone

You can lock your phone to keep others from using it.

**To lock/unlock your phone:**

**Find it:**  >  Settings > Security > Pin Codes > Pin Control

Enter the PIN code and press **OK**.

### 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.rbc.org/call2recycle/](http://www.rbc.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 0°C (32°F) or above 45°C (113°F) 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.

DRAFT

# ***Specific Absorption Rate Data***

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## **The 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  $1.6 \text{ W/kg}^1$ . 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  $1.38 \text{ W/kg}$ , and when worn on the body, as



described in this user guide, is 0.32 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.

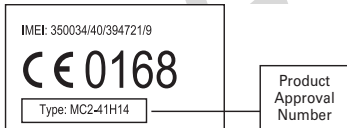
Additional Information can be found on the websites of the World Health Organization (<http://www.who.int/emf>) or Motorola, Inc. (<http://www.motorola.com/rfhealth>).

1. The tests are carried out in accordance with international guidelines for testing. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.
2. Please see the *Safety and General Information* section about body worn operation.

## 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



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](http://www.motorola.com/rtte). To find your DoC, enter the Product Approval Number from your product's label in the "Search" bar on the Web site.

# 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.

## 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 2.5 centimeters (1 inch) 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

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.

Responsible driving practices can be found in the "Smart Practices While Driving" section in this guide (or separate guide).

## 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 the “battery use & safety” section in the user’s guide.

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

These products are not toys and may be hazardous to 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 [www.motorola.com/hearingsafety](http://www.motorola.com/hearingsafety) (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.

[Mar0108]

## 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.

### **dust and dirt**

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

### **extreme heat or cold**

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

### **cleaning solutions**

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

### **microwaves**

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







**the ground**  
Don't drop your phone.

## 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>

## 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](http://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.

## 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](http://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](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.



TM

- **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.

Motorola, Inc.  
Consumer Advocacy Office  
1307 East Algonquin Road  
Schaumburg, IL 60196

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

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: 68XXXXX359-A

U.S. patent Re. 34,976