MOTO**SMART** ™

LIFE. POWERED.

CONGRATULATIONS

MOTOSMART™

Your MOTO**SMART** phone gives you music and the Internet in your pocket.

- **Music dashboard:** Easy access to all your favourite music, see "**MUSIC**" on page 24.
- **High-speed Internet:** Browse the web and pinch-to-zoom on the high resolution touch display in "**WEB**" on page 21.

Note: Certain apps and features may not be available in all countries.

> **Caution:** Before assembling, charging or using your phone for the first time, please read the important safety, regulatory and legal information provided with your product.

SAR This product meets the applicable limit for exposure to radio waves (known as SAR) of 2.0 W/kg (ICNIRP). The limits and guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The highest SAR values measured for this device are listed in the regulatory information packaged with your product.

Note: When using the product while worn on your body, either use an approved accessory, such as a holster, or maintain a distance of 2.5 cm (1 inch) from the body to ensure compliance with SAR requirements. Note that the product may be transmitting even if you are not making a phone call.

WANT MORE?

More help, more accessories, more free stuff. We're here to help.

- **Updates:** Smartphone updates, PC software, user guides, online help and more at www.motorola.com/mymotosmart.
- **Accessories:** Find more for your phone at www.motorola.com/products.
- **Social:** The latest news, tips & tricks, videos and so much more—join us on:
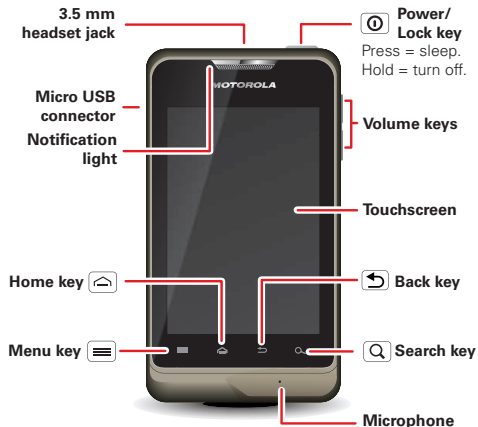
  YouTube™ www.youtube.com/motorola

  Facebook™ www.facebook.com/motorola

  Twitter www.twitter.com/motomobile

YOUR PHONE
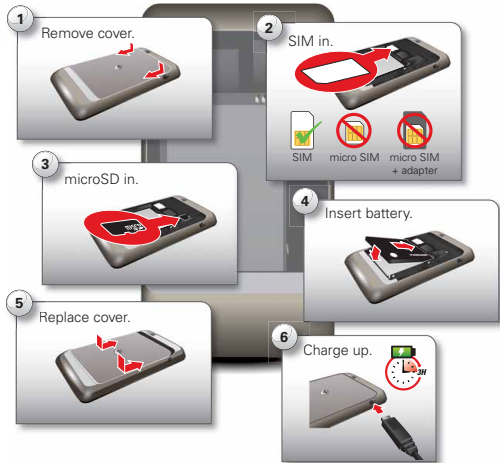
the important keys & connectors

3.5 mm headset jack

Power/Lock key
Press = sleep.
Hold = turn off.

Micro USB connector

Notification light

Volume keys

Touchscreen

Home key

Back key

Menu key

Search key

Microphone

CONTENTS

LET'S GO

let's get you up and running

ASSEMBLE & CHARGE

1 Remove cover.

2 SIM in.

SIM   micro SIM   micro SIM + adapter

3 microSD in.

4 Insert battery.

5 Replace cover.

6 Charge up.

Caution: Please read "**BATTERY USE & SAFETY**" on page 37.

Tip: To save battery life, see "**BATTERY TIPS**" on page 32.

SET UP & GO

1 Turn on.

2 Select a language.

Welcome to MOTOROLA

Please choose a lang

English (United Kingd

3 Complete initial setup steps.

Data settings

The phone settings will be adapted to the data plan you have subscribed to.

4 Add accounts.

Set up accounts

If you use any of the services below, tap the icon to set it up.

Corporate Sync   Google

Note: This phone supports apps and services that use a lot of data, so make sure your data plan meets your needs. Contact your service provider for details.

WI-FI CONNECT

To use a Wi-Fi network for even faster Internet access, touch the status bar at the top of the home screen and drag it down. Touch the **Wi-Fi networks available** notification to select a preferred network.

You can also touch Menu 🔲 > **Settings** > **Wireless & networks** > **Wi-Fi settings** to search for and connect to wireless networks. There's more in "**WI-FI NETWORKS**" on page 28.

COOL CONTENT & MORE

Browse and download thousands of the coolest apps on the planet from Google Play™.

Download new apps with "**BROWSE & INSTALL APPS**" on page 8. An optional microSD memory card can be installed in your phone—you can fill it with photos, videos and music from your computer (see "**CONNECTIONS**" on page 27).

TOUCHSCREEN & KEYS

a few essentials

SLEEP & WAKE UP

Your screen sleeps when you hold it to your ear during a call or when it is inactive. To change the sleep delay, touch Menu 🔲 > **Settings** > **Display** > **Screen timeout**.

To turn phone **sounds** on or off from a locked screen, flick the toggle switch ⬤ .

To **unlock** the screen, press the Power/Lock key ⬤ then touch ⬤ and flick to 🔒.
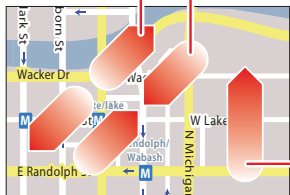
TOUCH TIPS

It's all in the touch:

- **Touch:** Choose an icon or option.
- **Touch & hold:** Show options.
- **Drag:** Scroll or move slowly.
- **Flick:** Scroll or move quickly.
- **Zoom:** Slide fingers apart or together to zoom in or out on Google Maps™, webpages and photos.
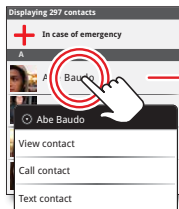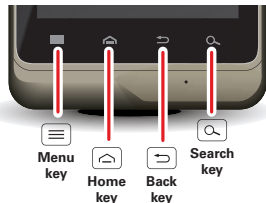

Touch & hold
to show options.

Slide two fingers
apart or together
to zoom in or out.

Drag or flick to scroll.

KEY TIPS

MENU, HOME, BACK & SEARCH

Touch Home to close any menu or app and return to the home screen. On the home screen, touch and hold Home to show the most recent apps used, then touch an app to open it.

Menu key

Home key

Back key

Search key

Touch Menu to open menu options.

Touch Back to go back.

Touch Search for text search, or touch and hold for voice search.

POWER KEY MENU

Press and hold to turn off your phone (**Power off**), **Reboot** your phone, or turn **Flight mode** or **Silent mode** on or off.

ADJUST VOLUME

Press the volume keys to change ring volume (on the home screen) or earpiece volume (during a call).

When playing music or video files, press the volume keys to adjust media volume.

Volume keys

ROTATE THE SCREEN

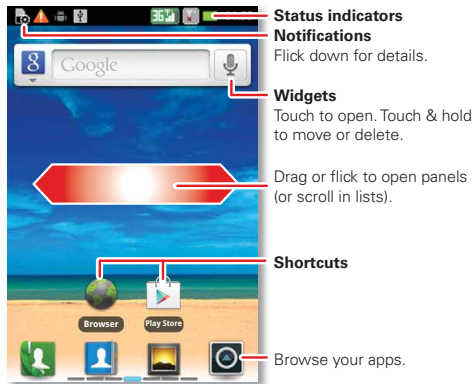When you turn your phone, the touchscreen can rotate to stay right-side up:

Find it: Menu ▤ > **Settings** > **Display** > **Auto-rotate screen**

HOME SCREEN

quick access to the things you need most

QUICK START: HOME SCREEN

The *home screen* gives you all your latest information in one place. It's what you see when you turn on the phone or touch Home ⌂ from a menu. It's basically like this:

Status indicators

Notifications
Flick down for details.

Widgets
Touch to open. Touch & hold to move or delete.

Drag or flick to open panels (or scroll in lists).

Shortcuts

Browse your apps.

Browser   Play Store

Note: Your home screen might look a little different.

The home screen extends left and right to give you more room for adding shortcuts, widgets and more. Flick the home screen left and right to see more *panels* or to add widgets or shortcuts. Or, touch Home ⌂ and touch a thumbnail to go to the panel.

USE & CHANGE YOUR HOME SCREEN

On your home screen, *shortcuts* are icons that open your favourite apps, web bookmarks, contacts, mail labels or music playlists. *Widgets* show you news, weather, messages and other updates.

• To **open** something, touch it. Touch Home ⌂ to return to the home screen.

  Tip: When you open a widget, touch Menu ≣ to see any options or settings.

• To **resize** widgets, touch and hold a corner until you feel a vibration, then drag.

• To **add** something or change your wallpaper, touch and hold an empty spot until you see the **Add to Home** menu.
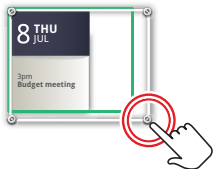
  Tip: You can add a folder to organise your shortcuts.

• To **move** or **delete** something, touch and hold it until you feel a vibration, then drag it to another spot, another panel or the rubbish bin 🗑 at the top of the screen.

Shortcuts in the *dock* at the bottom of the home screen appear in all panel views. You can change these (except the app shortcut ◉). Touch and hold a shortcut, then select the shortcut you want to replace it

To change your ringtone, display brightness and more, touch Menu ≣ > **Settings** > **Audio profiles** or **Display**. For details, see "**PERSONALISE**" on page 10.

Tip: From the home screen, touch Menu ≣ > **Themes** to design different home screens for **Work**, **Home** and the **Weekend**. Your changes are stored in each theme.
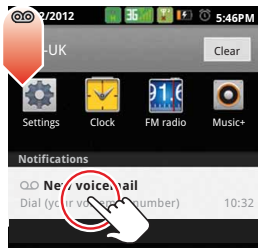
SEARCH

Touch Search 🔍, then use the window that appears.

Touch here to enter text.

Touch 8 for more search options.

Touch 🎤 to search by voice.
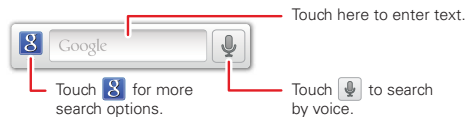
PHONE STATUS & NOTIFICATIONS

In the status bar at the top of your screen, the right side shows phone status. The left side shows new messages or events (for details, flick the bar down).

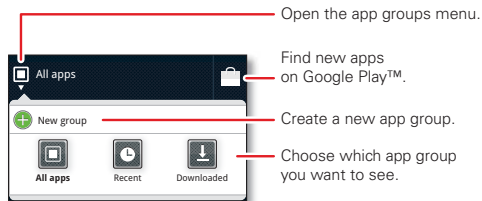|			
▲	network strength	⚡	battery strength
∞	new voicemail	☻	new text message
◘	Bluetooth™ on	◉	Bluetooth connected
➧	Wi-Fi connected	✈	flight mode
⬍	USB connected	☑	alarm set
◀×	silent ringer	⬍	silent ringer, vibrate on
⬤	mute call	➡	speakerphone

APPS & UPDATES
get the app you want

QUICK START: APPS & UPDATES

You can find all of your apps in one place. From the home screen, touch ◉ to open the app menu. To see all of your apps, flick up and down.

From the app menu, touch ▣ **All apps** to view or create app groups.

Open the app groups menu.

Find new apps on Google Play™.

Create a new app group.

Choose which app group you want to see.

To close the app menu, touch Home ⌂ or Back ↰.

BROWSE & INSTALL APPS

Get all the fun games and cool apps you want! Google Play™ provides direct access to apps, games and books that you can download and install on your phone.

Find it: ⬛ > ▶ **Play Store**

Scroll to and touch the app you want to install. Then, touch **Install** (if app is free) or **Buy**.

New apps that you install are added to the app menu.

Tip: Choose your apps and updates carefully from trusted sites, such as ▶ **Play Store**, as some may affect your phone's performance—see "**CHOOSE CAREFULLY**" on page 9.

Note: When installing an app, make sure you read the alerts that tell you what information the app will access. If you don't want the app to have access to this information, don't install it.

RECENT APPS

Your phone remembers the apps that you used most recently. From the home screen, touch and hold Home ⌂ to show the most recent apps. Or, touch ▣ > **Recent**.

MANAGE & RESTORE APPS

From the home screen, touch Menu ▤ > **Manage apps**.

Touch an app in the list, then touch **Uninstall** (for apps you downloaded), **Clear cache** or other options.

To reinstall apps from Google Play, touch ⬛ > ▶ **Play Store**, then touch Menu ▤ > **My apps**. Apps that you have previously purchased from Google Play are listed and available for download.

CHOOSE CAREFULLY

Apps are great. There's something for everyone. Play, communicate, work or have fun. But remember, choose your apps carefully. Here are a few tips:

- To help prevent spyware, phishing or viruses from affecting your phone or privacy, use apps from trusted sites, like ▶ **Play Store**.

- In **Play Store**, check the apps' ratings and comments before installing.

- If you doubt the safety of an app, don't install it.

- Like all apps, downloaded apps will use up memory, data, battery and processing power—some more than others. For example, a simple battery level widget will use less than a streaming music player app. After installing an app, if you're not happy with how much memory, data, battery or processing power it's using, uninstall it. You can always install it again later.

- Just like web browsing, you may want to monitor children's access to apps to help prevent exposure to inappropriate content.

- Certain apps may not provide completely accurate information. Take care, especially when it comes to personal health.

UPDATE MY PHONE

You can check, download and install phone software updates using your phone or your computer:

• Using your phone:

  You may get an automatic notification of an available update on your phone. Simply follow the instructions to download and install.

  To manually check for updates, touch Menu ≡ > **Settings** > **About phone** > **System updates**.

  Your phone downloads any updates over your mobile network. Remember, these updates can be quite large (25 MB or more) and may not be available in all countries. If you don't have an unlimited data plan, or mobile network updates are not available in your country, you can update using a computer.

• Using your computer:

  On your computer, go to www.motorola.com/support and check the "Software" links. If an update is available, follow the installation instructions.
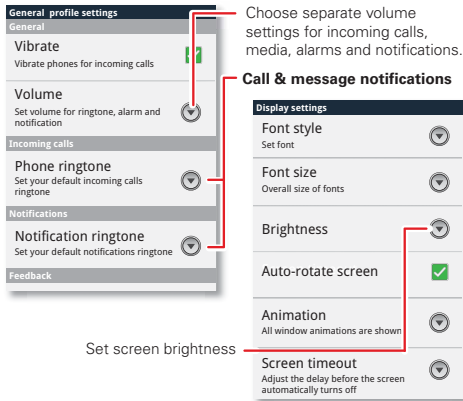
PERSONALISE

add your personal touch

QUICK START: PERSONALISE

Customise your phone's sounds and appearance to make it unique to you:

Find it: Menu ≡ > **Settings** > **Audio profiles** or **Display**.

Choose separate volume settings for incoming calls, media, alarms and notifications.

Call & message notifications

Set screen brightness

To show quick settings from the home screen, touch Menu ☰ > **Settings** > **Menu** ☰ > **Quick settings**.

- To change your quick settings, touch Menu ☰ > **Edit**.
- To return to advanced settings, touch Menu ☰ > **Advanced settings**.

WIDGETS

ADD WIDGETS

1 Touch and hold an empty spot on your home screen.

   Tip: Flick left or right to see other panels.

2 Touch **Motorola widgets** or **Android widgets** and choose a widget.

SET UP WIDGETS

You can customise some widgets. Touch a widget to open it, then touch Menu ☰.

Your home screen may already have these widgets:

- **Favourite contacts**: Quickly access your favourite contacts. To add contacts to your Favourites list, touch and hold an empty spot on your home screen, then touch **Motorola widgets** > **Social graph**.
- **Favourite apps**: Quickly access your favourite apps. To add apps to your Favourites list, touch and hold an empty spot on your home screen, then touch **Motorola widgets** > **Activity graph**.

- **Calendar**: Sync your calendars and review upcoming events at a glance with the scrollable calendar widget. To add calendar events, see "**CALENDAR**" on page 33.

SHORTCUTS

To add shortcuts for apps, bookmarks and more to the home screen, touch and hold an empty spot on the home screen, touch **Shortcuts** and select a shortcut.

Tip: To change one of the dock shortcuts at the bottom of the home screen, touch and hold the shortcut, then select the shortcut you want to replace it.

RINGTONES

To choose a ringtone or vibration for calls and messages:

Find it: Menu ☰ > **Settings** > **Audio profiles**, choose a profile (**General**, **Silent**, **Meeting** or **Outdoor**), then touch **Phone ringtone**, **Notification ringtone** or **Vibrate**

WALLPAPER

Apply a new wallpaper:

1 Touch and hold an empty spot on your home screen.

2 Touch **Wallpapers**.

3 Touch **Gallery**, **Live wallpapers** or **Wallpapers**, and choose a wallpaper.

SOUNDS

- To change the volume, touch Menu ▤ > **Settings** > **Audio profiles**, choose a profile (**General**, **Silent**, **Meeting** or **Outdoor**), then touch > **Volume**.

- To turn dial pad sounds on or off, touch Menu ▤ > **Settings** > **Audio profiles**, choose a profile (**General**, **Silent**, **Meeting** or **Outdoor**), then touch **Audible touch tones**.

- To turn menu selection sounds on or off, touch Menu ▤ > **Settings** > **Audio profiles** choose a profile (**General**, **Silent**, **Meeting** or **Outdoor**), then touch **Audible selection**.

DISPLAY SETTINGS

- To control whether some apps rotate the screen when you rotate your phone, touch Menu ▤ > **Settings** > **Display** > **Auto-rotate screen**.

- To turn animations that make your menus look smoother on or off, touch Menu ▤ > **Settings** > **Display** > **Animation**.

DATE & TIME

Set date, time, time zone and formats:

Find it: Menu ▤ > **Settings** > **Date & time**

LANGUAGE & REGION

Set your menu language and region:

Find it: Menu ▤ > **Settings** > **Language & keyboard** > **Select language**.

CALLS
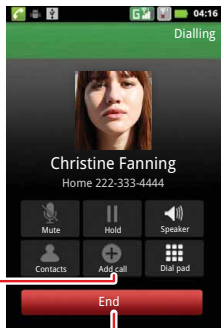
it's good to talk

QUICK START: CALLS

From the home screen, touch 🔧.

Open a list, then touch an entry to call.

Call.

Start a conference call.

Hang up.

- To **make** a call, touch 🔧, enter a number, then touch 🔧.

  When dialling, touch Menu ☰ to add a pause (pauses two seconds), or wait (waits for your confirmation). To enter the international dialling code, touch and hold `0+`.

  Note: Using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

- To **answer** a call, touch 🔘 and flick to 🟢.

- **During** a call, touch Menu ☰ to switch to a Bluetooth **headset** (see "**CONNECTIONS**" on page 27). Touch Home ⌂ or Back ↩ to hide the active call display (to reopen it, touch 🔧).

- To use the **speakerphone** during a call, touch **Speaker**.

- To **enter numbers** during a call, touch **Dial pad**.

- To **mute** or **unmute** a call, touch **Mute**.

- To put a call on **hold**, touch Menu ☰ **> Hold**.

- To **end** a call, touch **End**.

- To **ignore** an incoming call, touch 🔘 and flick to 🔴.

Tip: For quick access to contacts, see "**FAVOURITES**" on page 16.

RECENT CALLS

To show recent calls, touch 📇 > **Call log**.

- To call, text, open or save an entry, touch and hold it.
- To clear the list, touch Menu 🢃 > **Clear call log**.

CONFERENCE CALLS

To start a conference call, call the first number. After they answer, touch **Add call** and call the next number. When the next number answers, touch **Merge calls**. To remove individual callers, touch **Conference call**.

CALL WAITING

If you are on a call and a new call arrives:

- With call waiting on, you can touch 🎯 and flick to 🟢, to answer the new call and put the old call on hold. Then, touch **Swap** to switch between calls, or **Merge calls** to combine them.
- With call waiting off, the new call goes straight to your voicemail.

To turn on call waiting, touch Menu 🢃 > **Settings** > **Call settings** > **Voice call** > **Additional settings** > **Call waiting**.

CALL FORWARDING

To forward calls, touch Menu 🢃 > **Settings** > **Call settings** > **Voice call** > **Call forwarding**. You can forward calls all the time, or only when your phone is busy, unanswered or unreachable (not on the network)

RESTRICTED CALLS

To restrict your phone so that it can only dial a few numbers, touch Menu 🢃 > **Settings** > **Call settings** > **Other settings** > **Fixed dialling numbers**.

- To turn fixed dialling on, touch **Enable FDN**.
- To add or delete the allowed numbers, touch **FDN list**.

YOUR PHONE NUMBER

To show your phone number, touch Menu 🢃 > **Settings** > **About phone** > **SIM status** > **My phone number**.

TTY MODE

Your phone can use an optional teletypewriter (TTY) device, for people who are hard of hearing or have a speech impairment.

1 Plug the TTY device into the phone's headset jack.

2 Touch Menu 🢃 > **Settings** > **Call settings** > **Other settings** > **TTY settings** and choose a TTY setting.

YOUR CALLER ID

To hide your number from the people you call, touch Menu ☰ > **Settings** > **Call settings** > **Voice call** > **Additional settings** > **Caller ID**.

EMERGENCY CALLS

Note: Your service provider programs one or more emergency phone numbers that you can call under any circumstances, even when your phone is locked. Emergency numbers vary by country. Your 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.

1 Open the phone, then touch 📞 (if your phone is locked, touch **Emergency call**).

2 Enter the emergency number.

3 Touch **Call** to call the emergency number.

Note: Your phone can use location based services (GPS and AGPS) to help the emergency services find you. See ("**LOCATION SERVICES**" in your legal and safety information.

COOL DOWN

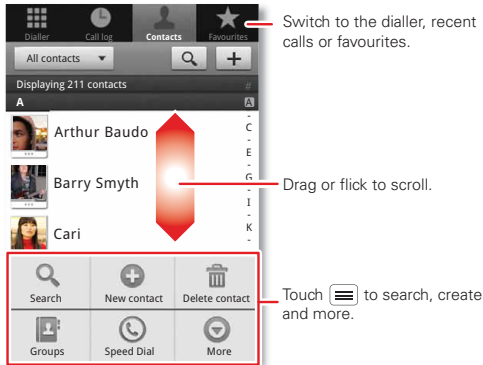In very limited circumstances, such as where your phone has been exposed to extreme heat, you may see "Cool down" messages. To avoid possible damage to your battery and phone, you should follow these instructions until the phone is within its recommended temperature range. When your phone is in "Cool down" mode, only emergency calls can be made.

CONTACTS

contacts like you've never had before

QUICK START: CONTACTS

From the home screen, touch ⚡ **Phone** > **Contacts**.

Switch to the dialler, recent calls or favourites.

Drag or flick to scroll.

Touch ☰ to search, create and more.

- To **create** a contact, touch ⚡ **Phone** > **Contacts** > Menu ☰ > **New contact**, choose where you want to store the contact, then enter details (to close the display keyboard, touch Back ⬅).

  Contacts shows the contacts from your Google™ account, which you can open from any computer at

www.contacts.google.com (or open your contacts within www.mail.google.com). To stop synchronising with your account, touch ⚡ **Phone** > **Contacts** > Menu ☰ > **More** > **Accounts**, touch your Google account, then deselect **Sync contacts**.

- To **call**, **text** or **email** a contact, touch ⚡ **Phone** > **Contacts**, touch the contact, then touch 📞 (call), 💬 (text) or @ (email).

- To **edit** or **delete** a contact, touch ⚡ **Phone** > **Contacts**, touch the contact, then touch Menu ☰ > **Delete contact**.

FAVOURITES

For quick access to a favourite contact, open the contact, then touch the star next to their name. To show your favourites, touch ⚡ **Phone** and touch **Favourites** at the top.

To add a shortcut to your favourites, touch and hold a blank spot on your home screen, then touch **Folders** > **Starred contacts**. You can also add a shortcut for an individual contact: Touch and hold a blank spot on your home screen, then choose **Shortcuts** > **Contact**.

STORAGE & TRANSFER

When you create a new contact, your phone asks if you want to store it in your Google™ account, phone memory or SIM card. Contacts in all three places appear in your **Contacts** list, but if you change phones:

- Contacts in your Google™ account can download when you log into your Google account on a new Android™ device. You can open these contacts from any computer at www.contacts.google.com.

- Contacts on your SIM card can load to a new device when you insert your SIM card.

- Contacts in your phone memory stay in your old phone, unless you export them.

To import or export contacts between your phone memory and a SIM or memory card, touch **Phone** > **Contacts**, then touch Menu ☰ > **More** > **Import/export**.

MESSAGING

sometimes it's better to text or email...

QUICK START: TEXT MESSAGING

From the home screen, touch 📩 **Messaging**.

Drag or flick to scroll.

Touch ☰ to change settings and more.
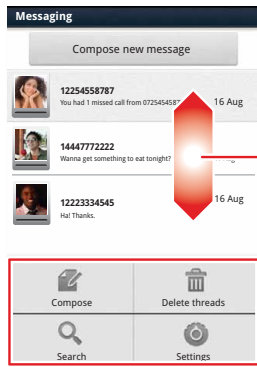
Tip: To see more messages, flick or drag up.

- To **create** a text message, touch 📩 **Messaging** > **Compose new message**. For options like attaching files, touch Menu ☰.

- To **open** text messages, touch ★ **Messaging**, then touch the sender's name.

  When you see 😃 in the status bar at the top of your screen, flick down the status bar and touch the new message to open it.

- To **respond** to a text message, just touch it and enter your response in the text box at the bottom.

- To **forward**, **copy** and more, touch ★ **Messaging**, touch the sender's name, then touch and hold the message.

ATTACHMENTS

To send a file in a text message, touch ★ **Messaging** > **Compose new message**, then touch Menu ☰ > **Attach**.

When you open a message with an attachment, touch **Download** to download it. Touch the downloaded attachment to open it, then touch it again to save it, share it and more.

Tip: To send and receive large attachments faster, use "**WI-FI NETWORKS**" on page 28.

EMAIL

- To **set up** Google or **Corporate** (Microsoft™ Exchange server) accounts, touch Menu ☰ > **Settings** > **Accounts & sync** > **Add account**. For details, contact the account provider.

  To set up other email accounts (not Gmail™ or Microsoft™ Exchange), touch ◙ > 📧 **Email** and follow the wizard. To add more standard accounts, open 📧 **Email** and touch Menu ☰ > **Accounts** > Menu ☰ > **Add account**. For details, contact the account provider.

- To **open** email, touch ◙ > 📧 **Email** or 📧 **Gmail**. Touch a message to open it.

  Tip: Touch Menu ☰ for options like **Refresh** or **Search**.

- To **create** an email, touch ◙ > 📧 **Email** or 📧 **Gmail**, then touch Menu ☰ > **Compose**.

  Tip: Touch Menu ☰ for options, like **Attach** or **Add Cc/Bcc**.

Gmail synchronises with your Google™ account mail, which you can open from any computer at mail.google.com. To stop synchronising with your account, touch Menu ☰ > **Settings** > **Accounts & sync**, touch your Google account, then deselect **Sync Gmail**.

GOOGLE TALK™

From the home screen, touch 🔘 > <img> **Talk**.

Google Talk instant messaging lets you chat with other Google Talk users.

Touch Menu ☰ to see a list of your Google Talk friends, send invitations to add new friends and much more.

VOICEMAIL

When you have a new voicemail, ∞ shows in the status bar at the top of your screen. To hear voicemails, touch <img> **Phone** then touch and hold **1**.

If you need to change your voicemail number, on the home screen touch Menu ☰ > **Settings** > **Call settings** > **Voice call** > **Voicemail**. For your voicemail number or other details, contact your service provider.

TEXT ENTRY

keys when you need them

TOUCHSCREEN KEYPAD

You can open a keypad on your screen by touching a text box. To close the keypad, touch Back ⬑.

Touch and hold an empty spot to open a menu.

Delete

Symbols/numbers

You can choose to change the keyboard, touch and hold a blank spot in a text box. A menu opens, where you can choose **Input method** > **Android keyboard**.

INPUT METHODS

To select an input method, touch and hold a text entry area on the screen to open the **Edit text** menu. Touch **Input method**, then touch the method you want.

ANDROID KEYBOARD

Enter text a letter at a time. As you type, your phone suggests words from your dictionary and chosen language. The phone also automatically enters apostrophes in some words, like "dont".

To add a word to your dictionary, touch and hold the word, then select **Add "word" to dictionary**.

TYPING TIPS

To...	
Enter **one capital** letter	Touch Shift ⇧.
Enter **only capital** letters, until you touch Shift ⇧ again	Touch Shift ⇧ twice. Touch again to revert to lowercase.
Move the text entry cursor	Touch the text where you want the cursor to go.
Select text	Touch and hold text, then touch **Select word** or **Select all**.

To...	
Cut or **Copy** selected text	Touch and hold text, then touch **Cut** or **Copy**.
Paste cut or copied text at cursor location	Touch and hold location to paste, then touch **Paste**.
Delete character to left of cursor	Touch Delete ⌫ (hold to delete more).

TEXT INPUT SETTINGS

Find it: Menu ☰ > **Settings** > **Language & keyboard**

- To edit your dictionary, touch **User dictionary**.
- To change the language and the style for your touchscreen keypad, touch **Select locale**.

WEB

surf the web with your phone

QUICK START: WEB

From the home screen, touch ⊙ > 📄 **Browser**.

Connection
Mobile network: 📶
Wi-Fi: 📶

Enter a webpage URL.

Drag or flick to scroll.

Touch 🔲 to open bookmarks, windows and more.
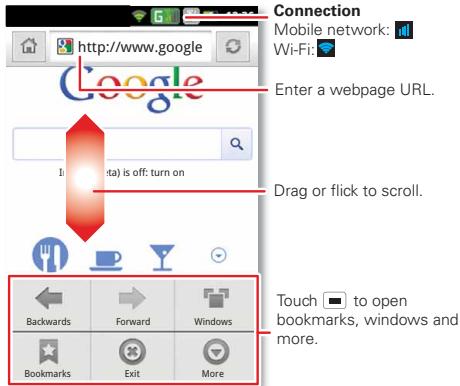
- To enter a **website address** in the browser or on your home screen, just touch Search Q.

- To **zoom** in or out, pinch two fingers together or apart.

- To **send** the website address in a message, touch Menu ☰ > **More** > **Share page**.

Note: Your phone automatically uses your mobile phone network to connect to the web. Your service provider may charge to surf the web or download data. If you can't connect, contact your service provider.

Tip: You can connect to the web with "**WI-FI NETWORKS**" on page 28.

DOWNLOADS

To download files in your browser, touch a file link or touch and hold a picture to choose **Save image**.

To show the files you downloaded, touch ⊙ > ⬇ **Downloads**. Touch and hold an item to open it, see details or remove it from the list.

You can download "**APPS & UPDATES**" on page 8.

LOCATION

where you are, where you're going

Open **Maps** or just touch Search $\boxed{Q}$ to find an address, then get directions, check in or save the location.

QUICK START: LOCATION

From the home screen, touch 🔘 > 🗺 **Maps**.

⊕ Show your location.

◈ Show layers on the map.

📍 Find nearby places.

Drag or flick to scroll.

Touch to open, then touch ⭐ to add to **My Places**.

Touch 🗏 to get directions, open your Starred Places, windows and more.
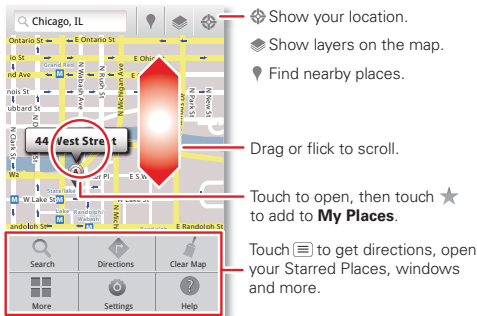
Google Maps™ offers powerful, user-friendly mapping technology and local business information—including business locations, contact information and driving directions.

- To find an **address**, enter it in the search box at the top. The map moves to show the address.

Tip: You can touch and hold a spot on the map to show the nearest address.

- To find shops, restaurants and other **places** near you, touch 📍 at the top.
- To get **directions**, find an address on the map, touch it, then touch 🔷.
- To **save** an address for later, touch it, then touch the star by its name to add it to your **Starred Places**.
- For **help**, touch Menu 🗏 > **More** > **Help**.

GOOGLE MAPS™ WITH NAVIGATION (BETA)

Google Maps™ with Navigation (Beta) is an Internet-connected GPS navigation system with voice guidance.

To open navigation, touch 🔘 > 🧭 **Navigation**. Follow the prompts to speak or type your destination.

For more, go to www.google.com/mobile/navigation.

PHOTOS & VIDEOS

see it, capture it, share it!

QUICK START: PHOTOS & VIDEOS

From the home screen, touch ⓞ > 🔘 **Camera**.

Open your last photo or video.

Choose camera or camcorder.

Take photo.

Open options.

1442

Zoom in/out.

- To take a **photo**, touch 🔘.
- To record a **video**, open the camera, then touch ▢ > **Camcorder** to switch to the camcorder. Touch 🔘 to start and stop recording.
- To **open** photos and videos, touch ⓞ > 🖼 **Gallery**, then touch **Menu** for options, like **Share**.

Tip: For the clearest photos and videos, clean the lens with a soft, dry cloth.

VIEW & SHARE PHOTOS & VIDEOS

From the home screen, touch ⓞ > 🖼 **Gallery**.

Flick left and right to show folders. Touch a folder, then touch a thumbnail image to open, share or delete it.

Tip: From the viewfinder, you can touch the thumbnail in the top right to open your last photo or video.

- To **zoom** in, touch the screen with two fingers and then drag them apart. To zoom out, drag your fingers together.
- To **send** or **post** the photo or video, touch **Menu** > **Share**.

  To use a Bluetooth or cable connection, see "**CONNECTIONS**" on page 27.
- To **delete** the photo or video, touch **Menu** > **Delete**.
- To **set** a photo as your wallpaper, touch **Menu** > **More** > **Set as wallpaper**.
- To **play** a video, touch ▶.

Tip: Turn the phone sideways for a widescreen view.

YOUTUBE™

The YouTube user-generated content website lets you share videos with YouTube users everywhere. You don't need a YouTube account to browse and view videos.

From the home screen, touch ◉ > 📺 **YouTube**.

- To **watch** videos, touch Search 🔍 to find a video. Touch a video to watch it.

  For more video categories, touch Menu ☰ > **Browse**.

  To watch a video in high quality, touch Menu ☰ > **Settings** > **High quality on mobile**.

- To **share** a video, touch it to open it, touch **More** at the top, choose **Share**, then choose how you want to share it.

- To **upload** a video from your phone to your YouTube account, touch ◉ > 📺 **YouTube** > Menu ☰ > **Upload**. Touch the video, then touch **Upload**.

To sign into your YouTube account, touch ◉ > 📺 **YouTube** > Menu ☰ > **My Channel**.

Note: If you don't have an account, touch the link to create one. For more, visit www.youtube.com.

MUSIC

when music is what you need...

QUICK START: MUSIC DASHBOARD

Touch, touch, play—instant music. Just open your Music dashboard (◉ > **Music dashboard**) or music library, then select what you want to play.
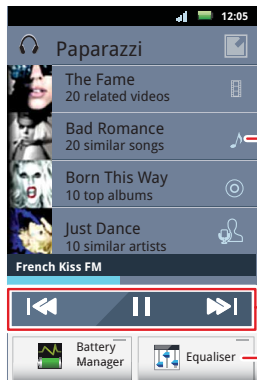
Touch what you want to play.

Music controls

Change Equaliser settings.

MY MUSIC

From the home screen, touch 🔘 > 🔘 **Music+** > **My music**.
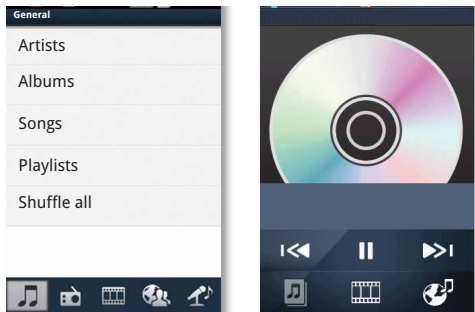
Your music is stored by artists, albums, songs and playlists. Touch a category, then touch the song or playlist you want to play.

- To adjust **volume**, use the volume keys.
- When a song is playing, you touch Menu 📋 > **More** to add it to a **playlist** or use it as a **ringtone**.

  To edit, delete or rename playlists, touch 🔘 > 🔘 **Music+** > **My music** touch the **Playlists** tab, then touch and hold the playlist name.

- To **hide** the player and use other apps, touch Home 🏠. Your music keeps playing. To return to the player, flick down the status bar and touch ▶️.

  Tip: For quick music player controls, touch and hold an empty spot on your home screen, then choose **Android widgets** > **Music**.

- To **stop** the player, touch ⏸️.
- Before a **flight**, turn off network and wireless connections so that you can keep listening to music: Press and hold ⏻ > **Flight mode**.

You can use your phone's 3.5 mm headset jack to connect wired headphones, or go wireless with a Bluetooth headset.

To listen to FM **radio** stations, plug in a 3.5 mm headset and touch 🔘 > 📻 **FM Radio**. Your phone uses the headset wire as the radio aerial.

MUSIC FILES

To get songs for your music player, you can download them from online services or copy them from your computer. Your music player can play these file formats: AMR, MP3, AAC, AAC+, eAAC+ or MIDI.

Note: Copyright—do you have the right? Always follow the rules. See "Content copyright" in your legal and safety information.

To copy files **from your computer** to your phone, use a USB cable. There's more in "**CABLE CONNECTIONS**" on page 29.

Note: Your phone does not support any DRM-protected files.

YOUR MUSIC COMMUNITY

Listen to the radio, watch videos, read music news and more.

From the home screen, touch ◙ > ◙ **Music+**.
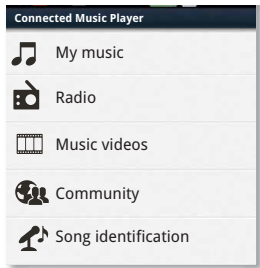
My music. Listen to your tunes.

Radio. Surf the airwaves for fresh music. There's something for everyone. You need a headset for the Radio. Check out SHOUTcast™ Radio for music from all generations and types.

Music videos. Watch videos from YouTube™, pre-recorded TV programmes and your own videos.

Community. Find songs, see what people are listening to all around the world and see what's hot on the music charts.

Song identification. Get information about a song that is playing. Select **Tell me what is playing** and hold your phone close to the source of the music.

Note: Recognition will not take place if the music is from a live concert or a musical performance where digital recording is not even.

Configuration data. Some features in Connected Music Player, such as Music videos and news, Community, Song identification and Song lyrics, require data traffic. Set the data mode: Touch Menu ▤ > **Settings** > **Data usage**.

CONNECTIONS

home, office or hotspot

QUICK START: CONNECTIONS

From the home screen, touch Menu ▤ > **Settings** > **Wireless & networks**, then **Bluetooth settings** or **Wi-Fi settings**.

Turn Bluetooth power on & scan, or turn off.

Change your phone's Bluetooth device name.

Connect a device found by the scan.

Re-scan.

Connect a network found by the scan.

Turn Wi-Fi power on & scan, or turn off.
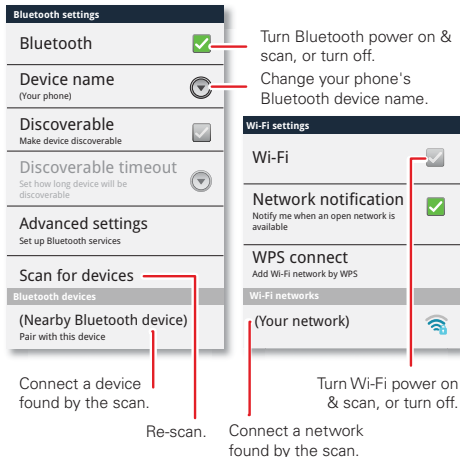
- To connect **Bluetooth devices**, touch Menu ▤ > **Settings** > **Wireless & networks** > **Bluetooth settings** > **Scan for devices** (or touch **Bluetooth**, if it is off). Touch a device that your phone found, to connect it.

  Note: Due to French regulatory restrictions regarding possible interference, you should not use Bluetooth in France when outdoors.

- To connect **Wi-Fi networks**, touch Menu ▤ > **Settings** > **Wireless & networks** > **Wi-Fi settings** (touch **Wi-Fi**, if it is off). Touch a network that your phone found, to connect it.

  Note: Due to French regulatory restrictions regarding possible interference, you should not use Wi-Fi in France when outdoors.

- To use a **cable connection**, connect your phone's micro USB port to a standard USB port on your computer, then use a computer program to transfer files to and from your phone's memory card. Your phone supports microSD cards up to 32 GB.

  On your phone, flick down the status bar and touch 🔌 to enable your phone's memory card.

  You can download your phone's driver files from www.motorola.com/support.

- To make your phone a **hotspot** that other devices can use to connect to the Internet, touch Menu ▤ > **Settings** > **Wireless & networks** > **Wi-Fi direct**.

Note: Keep it secure. To protect your phone and hotspot from unauthorised access, it is strongly recommended that you set up hotspot **Security** (**WPA2** is the most secure), including password.

BLUETOOTH™ DEVICES

Note: This requires an optional accessory.

You can connect your phone to other Bluetooth devices for hands-free calls, file transfers and more:

1 Make sure the device you are pairing with is in discoverable mode.

   Note: For questions about a Bluetooth device, check the manufacturer's manual or website.

2 Touch Menu ☰ > **Settings** > **Wireless & networks** > **Bluetooth settings**.

3 Touch **Scan for devices** (or touch **Bluetooth** if it is turned off). Your phone scans and lists nearby devices.

4 Touch a device to connect.

5 If necessary, touch **Pair** or enter the device passkey (like **0000**) to connect to the device. When the device is connected, the Bluetooth connected indicator ⓑ appears in the status bar.

   To reconnect a device you've connected before, just turn it on.

   To disconnect a device, just turn it off.

Note: Using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

Tip: Touch and hold an empty spot on your home screen, then choose **Android widgets** > **Power control** for a widget that lets you turn on or off **Wi-Fi**, **Bluetooth**, **Use GPS satellites** and more.

WI-FI NETWORKS

You can connect to Wi-Fi networks for even faster Internet access and to download data:

1 Touch Menu ☰ > **Settings** > **Wireless & networks** > **Wi-Fi settings**.

2 Touch Menu ☰ > **Scan** (touch **Wi-Fi**, if it is off). Your phone scans for nearby networks.

   To see your phone's MAC address or other details, touch Menu ☰ > **Advanced**.

3 Touch a network to connect.

4 If necessary, enter details from the network administrator. When your phone is connected, the Wi-Fi indicator ⬤ appears in the status bar.

   When power is on and your phone finds a network you've used, it automatically reconnects and shows ⬤ in the status bar.

Tip: Touch and hold an empty spot on your home screen, then choose **Android widgets** > **Power control** for a widget that lets you turn on or off **Wi-Fi**, **Bluetooth**, **Use GPS satellites** and more.

WI-FI MODES

For those who like to get a bit more technical, your phone supports the following Wi-Fi modes: 802.11b, g, n.

CABLE CONNECTIONS

You can use a cable connection to transfer songs, pictures or other files between your phone and computer. You will need a:

• Microsoft™ Windows™ PC or Apple™ Macintosh™.

• Data cable with a standard USB connector on one end and a micro USB connector on the other end.

• MicroSD memory card (up to 32 GB) inserted in your phone, as shown in "**ASSEMBLE & CHARGE**" on page 3.

   Tip: To see the available memory on your memory card, from the home screen touch Menu ▤ > **Settings** > **Storage**.

To connect your phone and computer with a cable:

1 Insert a memory card in your phone, then connect your phone's micro USB port to a USB port on your computer.

   Note: If your computer asks for your phone's driver files, you can download them from www.motorola.com/support.

2 Your phone should show 🔌 in the status bar. Flick down the status bar, touch the 🔌 to enable your phone's memory card.

3 On your computer, open a program (like Windows™ Media Player for music files, or Microsoft™ Windows™ Explorer to drag and drop other files) and use it to transfer your files.
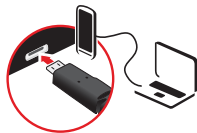
MANAGEMENT

stay in control

WIRELESS MANAGER

Find it: Menu ▤ > **Settings** > **Wireless & networks**

Manage all your wireless connections: Wi-Fi, Bluetooth™, Flight mode and mobile networks.

FLIGHT MODE

Use flight mode to turn all your wireless connections off—useful when flying. Press and hold Power/Lock key ⏻ > **Flight mode**.

Note: When you select flight mode, all wireless services are disabled. You can then turn Wi-Fi and/or Bluetooth back on, if permitted by your airline. Other wireless voice and data services (such as calls and text messages) remain off in flight mode. Emergency calls to your region's emergency number can still be made.

NETWORK

You should not need to change any network settings. Contact your service provider for help.

From the home screen, touch Menu ▤ > **Settings** > **Wireless & networks** > **Mobile networks** to show options for roaming networks, network selection, operator selection and access point names.

Note: To make any call, the phone must be connected to a mobile voice network enabled for the region that you are in.

SECURITY

help keep your phone safe

QUICK START: SECURITY

From the home screen, touch Menu ▤ > **Settings** > **Security**.
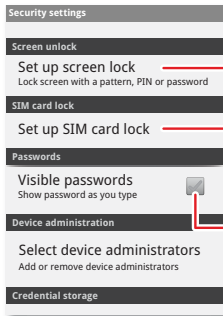
Security settings	
Screen unlock	
Set up screen lock	Set a lock pattern, PIN or
Lock screen with a pattern, PIN or password	password required to wake up
SIM card lock	the screen.
Set up SIM card lock	Choose a number code required
Passwords	to turn your phone on.
Visible passwords	
Show password as you type	
Device administration	Show password letters and
Select device administrators	numbers when you enter them
Add or remove device administrators	(rather than ***).
Credential storage	

- To set a **lock pattern**, **PIN** or **password** that you must enter whenever you wake up the screen, touch Menu ▤ > **Settings** > **Security** > **Set up screen lock**. Follow the prompts to enter and confirm the pattern, PIN or password.

Note: You can make emergency calls on a locked phone ("**CONTACTS**" on page 16). A locked phone still rings, but you need to unlock it to answer.

- To set a **SIM card PIN** that you must enter when you turn on your phone, touch Menu ▤ > **Settings** > **Security** > **Set up SIM card lock** > **Lock SIM card**. Enter your SIM PIN code. To change your code, choose **Change SIM PIN**.

  Caution: If you enter an incorrect PIN code three times, your phone locks your SIM card. To unlock it, you need a PUK code from your service provider.

RESET

To reset your phone to factory settings and erase all the data on your phone, touch Menu ▤ > **Settings** > **Privacy** > **Factory data reset** > **Reset phone**.

Warning: All downloaded apps and user data on your phone will be deleted.

TIPS & TRICKS

a few handy hints

GENERAL TIPS

- Touch **Search** [Q] on the home screen to search across your apps, contacts, web and maps—or just enter the address for a place or a webpage. Touch Search [Q] in **Play Store**, **Messaging**, **Music** and other apps to search within the app.

- Use **folders** to organise shortcuts and contacts on your home screen.

  Touch and hold a blank spot on your home screen, then touch **Folders**. To move shortcuts into a **New folder**, touch and hold a shortcut, then drag it to the folder icon.

- Touch and hold Home [⌂] to show your most **recent apps**.

- Touch and hold the status bar at the top of your phone to show the **date**.

- To change which **location** information your phone uses, touch Menu [≡] > **Settings** > **Location**.

- To **back up** your app data, passwords and other settings to Google servers, touch Menu [≡] > **Settings** > **Privacy** > **Back up my data**.

BATTERY TIPS

Your phone is like a small computer, giving you a lot of information and apps, at 3G speed, with a touch display! Depending on what you use, that can take a lot of power.

To start getting the most out of your battery, touch [◯] > > **Battery manager** > **Battery mode**. Choose **Performance mode** for constant data transfer and battery use, **Maximum battery saver** when your battery is low, or **Night-time saver** if you want to limit your data and wireless connections during off-peak hours.

Choose **Music mode** to turn everything off except your music player and enjoy your music to the last minute.

To save even more battery life between charges, you could reduce:

- Recording or watching videos, listening to music or taking pictures.

- Widgets that stream information to your home screen, like news or weather.

- Bluetooth™ use: touch Menu [≡] > **Settings** > **Wireless & networks** > **Bluetooth** (turn off).

- Wi-Fi use: touch Menu [≡] > **Settings** > **Wireless & networks** > **Wi-Fi** (turn off).

- GPS use: touch Menu [≡] > **Settings** > **Location** > **Use GPS satellites** (deselect).

- **network searching**: to stop your phone looking for networks when you have no signal, press and hold Power/Lock key ⓞ > **Flight mode**.
- **Display brightness**: touch Menu 🗐 > **Settings** > **Display** > **Brightness** > *(dimmer setting)*.
- **Display timeout delay**: touch Menu 🗐 > **Settings** > **Display** > **Screen timeout** > *(shorter setting)*.

TOOLS

stay on top of things

CALENDAR

From the home screen, touch 🔘 > 📅 **Calendar**.

Colour indicates events.

Drag or flick to scroll.

Touch 🗐 to choose the calendar view. Choose **More** to create an event or change settings.
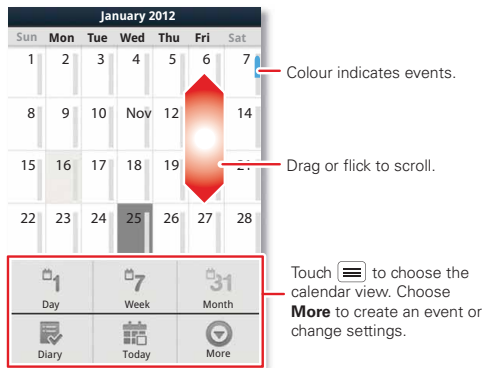
- To **create** an event, touch 🔘 > 📅 **Calendar** > Menu 🗐 > **More** > **New event**, enter details, then touch **Done**.

  Your phone's **Calendar** synchronises with your Google account calendar, which you can open from any

computer at www.calendar.google.com (or open your calendar within www.mail.google.com). To stop synchronising with your account, touch Menu ▤ > **Settings** > **Accounts & sync**, touch your Google account, then deselect **Sync calendar**.

- To **edit** or **delete** an event, touch ◉ > 📅 **Calendar**, touch the event to open it, then touch Menu ▤ > **Edit event** or **Delete event**.

ALARM CLOCK

To set an alarm, touch ◉ > 🕗 **Clock**, then touch 🕗.

- To turn an alarm **on** or **off**, touch 🕗 next to it.
- To **add** an alarm, touch **Add alarm**, then enter alarm details.
- To **change** an alarm, touch the time.
- To set a **snooze** period, in the **Alarms** list touch Menu ▤ > **Settings** > **Snooze duration**.

When an alarm sounds, touch **Dismiss** to turn it off or **Snooze** to delay it. To cancel a snoozed alarm, drag down the status bar and touch the alarm name.

DATE & TIME

To set the date, time, time zone and formats, touch Menu ▤ > **Settings** > **Date & time**.

ACCESSIBILITY

See, hear, speak, feel and use. Accessibility features are there for everyone, helping to make things easier.

Note: For general information, accessories and more, visit www.motorola.com/accessibility.

VOICE RECOGNITION

Use your voice—just touch and speak.

- **Dialling and commands**: Touch ◉ > 🎤 **Voice commands**. To dial, say "**Call**" and then a contact name or phone number. Or, say a command from the list shown, like "**Send message**" or "**Go to**".
- **Search**: 🔍 Touch and hold Search , then say what you want to search for, like "Motorola accessories".
- **Text entry**: Touch a text entry field to open the touchscreen keyboard. Touch 🎤, then say what you want to type.

Tip: Speak naturally, but clearly. Use the microphone in a similar way to a speakerphone, so no need to shout or hold the phone close to your mouth.

To change your voice settings, see "**VOICE SETTINGS**" on page 35.

CALLER ID

When you want to hear who's calling:

Ringtones: Assign a unique ringtone to a contact—touch ![phone icon] **Phone** > **Contacts**, touch the contact, then touch Menu ![menu icon] > **Options**.

To change your voice settings, see "**VOICE SETTINGS**" on page 35.

VOICE SETTINGS

Personalise your voice settings:

- **Voice recognition**: Touch Menu ![menu icon] > **Settings** > **Voice input & output** > **Voice recogniser settings**. From here, you can set options like language and censorship.
- **Voice commands**: Touch ![icon] > ![icon] **Voice commands** > Menu ![menu icon] > **Settings**. From here, you can refine recognition of your voice (**Adaptation**) and set options like prompts and shortcuts.
- **Text-to-speech**: Touch Menu ![menu icon] > **Settings** > **Voice input & output** > **Text-to-speech settings**. From here, you can set options like speed and language.

VOLUME & VIBRATE

To set your ringer volume or vibration, touch Menu ![menu icon] > **Settings** > **Audio profiles** > choose a profile (**General**, **Silent**, **Meeting** or **Outdoor**), then touch **Vibrate** or **Volume**.

Tip: To set separate volumes for calls and notifications (like new messages), choose **Volume** and deselect **Use incoming call volume for notifications**.

DISPLAY BRIGHTNESS

To change display brightness, touch Menu ![menu icon] > **Settings** > **Display** > **Brightness**.

TOUCHSCREEN & KEYS

You can hear or feel when you touch the touchscreen: Touch Menu ![menu icon] > **Settings** > **Audio profiles** choose a profile (**General**, **Silent**, **Meeting** or **Outdoor**):

- **Touchscreen**: To hear screen touches (click), select **Audible selection**.
- **Keys**: To feel screen keyboard touches (vibrate), select **Haptic feedback**.
- **Screen lock**: To hear when you lock/unlock the screen (click), select **Screen lock sounds**.

TTY

You can use your phone in TTY mode with standard teletype machines. Touch Menu ![menu icon] > **Settings** > **Call settings** >**Other settings** > **TTY setting** and select the mode you need:

- **TTY full**: Type and read text on your TTY device.

- **TTY HCO**: Hearing-Carry-Over—type text on your TTY device and listen to voice replies on your phone's speaker.
- **TTY VCO**: Voice-Carry-Over—speak into your phone and read text replies on your TTY device.

Note: You'll need a cable/adapter to connect your TTY device to the headset jack on your phone.

Refer to your TTY device guide for mode and usage information.

APPS

Want more? No problem. Google Play™ provides access to thousands of apps and many provide useful accessibility features.

Find it: ◎ > 📄 **Play Store**

Select a category or touch Search ⟨Q⟩ to find the app you want.

Tip: Choose your apps carefully, from trusted sites like 📄 **Play Store**, as some may impact your phone's performance.

TROUBLESHOOTING
we're here to help

CRASH RECOVERY

In the unlikely event that your phone stops responding to touches and key presses, try a quick reset. Remove the back cover and battery ("**ASSEMBLE & CHARGE**" on page 3), then replace and turn on your phone as usual.

SERVICE & REPAIRS

If you have questions or need assistance, we're here to help.

Go to www.motorola.com/mymotosmart, where you can select from a number of cusomter care options. You can also contact Motorola Customer Support Centre on 0870-9010-555 (UK) or 1850 909 555 (Ireland).

Safety, regulatory & legal

Battery use & safety

The following battery use and safety information applies to all Motorola mobile devices. If your mobile device uses a non-removable main battery (as stated in your product information), details related to handling and replacing your battery should be disregarded — the battery should only be replaced by a Motorola-approved service facility and any attempt to remove or replace your battery may damage the product.

Important: Handle and store batteries properly to avoid injury or damage. Most battery safety 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 use tools, sharp objects or excessive force to insert or remove the battery as this can damage the battery.**
• **Don't let the mobile device or battery come in contact with liquids.*** Liquids can get into the mobile device's circuits, leading to corrosion.
• **Don't allow the battery to touch metal objects.** If metal objects, such as jewellery, stay in prolonged contact with the battery contact points, the battery could become very hot.
• **Don't place your mobile device or battery near a heat source.*** High temperatures can cause the battery to swell, leak or malfunction.
• **Don't dry a wet or damp battery with an appliance or heat source**, such as a hair dryer or microwave oven.

DOs
• **Do avoid leaving your mobile device in your car in high temperatures.***
• **Do avoid dropping the mobile device or battery.*** Dropping these items, especially on a hard surface, can potentially cause damage.*
• **Do contact your service provider or Motorola if your mobile device or battery has been damaged in any of the ways listed here.**

* Note: Always make sure that any battery, connector and compartment covers are closed and secure to avoid direct exposure of the battery to any of these conditions, even if your product information states that your **mobile device** can resist damage from these conditions.

Important: Motorola recommends you always use Motorola-branded batteries and chargers for quality assurance and safeguards. Motorola's warranty does not cover damage to the mobile device caused by non-Motorola batteries and/or chargers. To help you identify authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. You should confirm that any battery you purchase has a "Motorola Original" hologram.

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 try charging it again;
• If the message remains, contact a Motorola authorised service centre.

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 also benefits the environment. You can recycle your used batteries in many retail or service provider locations. Additional information on proper disposal and recycling can be found at www.motorola.com/recycling

Disposal: Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling centre or national recycling organisations 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 product's battery:
• During charging, keep your battery and charger near room temperature for efficient battery 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.

Third party accessories

Use of third party accessories, including but not limited to batteries, chargers, headsets, covers, cases, screen protectors and memory cards, may have an impact on your mobile device's performance. In some circumstances, third party accessories can be dangerous and

may void your mobile device's warranty. For a list of Motorola accessories, visit www.motorola.com/products

Driving precautions

Responsible and safe driving is your primary responsibility when behind the wheel of a vehicle. Using a mobile device or accessory for a call or other application whilst driving may cause distraction, and may be prohibited or restricted in certain areas—always obey the laws and regulations on the use of these products.

While driving, NEVER:
• Type, read, enter or review texts, emails, or any other written data.
• Surf the web.
• Input navigation information.
• Perform any other functions that divert your attention from driving.

While driving, ALWAYS:
• Keep your eyes on the road.
• Use a hands-free device if available or required by law in your area.
• Enter destination information into a navigation device **before** driving.
• Use voice-activated features (such as voice dial) and speaking features (such as audible directions), if available.
• Obey all local laws and regulations for the use of mobile devices and accessories in the vehicle.
• End your call or other task if you cannot concentrate on driving.
Remember to follow the "Smart practices whilst driving" at www.motorola.com/callsmart (in English only).

Seizures, blackouts & eyestrain

To reduce eyestrain and avoid headaches, it is always a good idea to hold the screen at a comfortable distance from your eyes, use in a well-lit area, and take frequent breaks.

Some people may be susceptible to seizures or blackouts (even if they have never had one before) when exposed to flashing lights or light patterns, such as when playing video games, or watching videos with flashing-light effects.

Discontinue use and consult a doctor if any of the following symptoms occur: seizures, blackout, convulsion, eye or muscle twitching, loss of awareness or disorientation.

If you or someone in your family has experienced seizures or blackouts, please consult your doctor before using an application that produces flashing-light effects on your mobile device.

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 get your hearing checked.

For more information about hearing, see our website at 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 doctor.

Children

Keep your mobile device and 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.

Supervise access for older children. Similar to a computer, if an older child does use your mobile device, you may want to monitor their access to help prevent:
• Exposure to inappropriate apps or content.
• Improper use of apps or content.
• Loss of data.

Glass parts

Some parts of your mobile device may be made of glass. This glass could break if the product 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 centre.

Operational warnings

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

Potentially explosive areas

Potentially explosive areas are often, but not always, posted and can include blasting areas, fuelling stations, fuelling 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, unless it is a radio product type especially qualified for use in such areas and certified as "Intrinsically safe" (for example, Factory Mutual, CSA or UL approved). 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 dispose of your battery or mobile device with your household waste. See "Recycling" for more information.
⊘	Do not use tools.

Symbol	Definition
🏠	For indoor use only.
⚠	Listening at full volume to music or voice through a headset may damage your hearing.

Radio frequency (RF) energy

Exposure to RF energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate using 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.

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:

- 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 accessory (e.g. clip, holder, holster, case or arm band). If you do not use a body-worn accessory supplied or approved by Motorola, ensure that whatever product is used is free of any metal and that it positions the mobile device at least 2.5 cm (1 inch) away from the body.
- Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our website at: www.motorola.com.

RF energy interference/compatibility

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

Follow instructions to avoid interference problems

Turn off your mobile device in any location where posted notices instruct you to do so, such as hospitals or healthcare facilities.

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

Medical devices

If you have a medical device, including an implantable medical device such as a pacemaker or defibrillator, consult your healthcare provider and the device manufacturer's directions before using this mobile device.

Persons with implantable medical devices should observe the following precautions:
• ALWAYS keep the mobile device more than 20 centimetres (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 minimise the potential for interference.
• Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Regulatory information

Your Motorola mobile device is designed to comply with national and international regulatory requirements. For full compliance statements and details, please refer to the regulatory information in your printed product guide.

Specific absorption rate (ICNIRP)

YOUR MOBILE DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines. The guidelines were developed by an independent scientific

organisation (ICNIRP) and include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The radio wave exposure guidelines use a unit of measurement known as the Specific absorption rate, or SAR. The SAR limit for mobile devices is 2 W/kg.

Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands*. The highest SAR values under the ICNIRP guidelines for your device model are listed below:

| Head SAR | UMTS 900, Wi-Fi, Bluetooth | 0,939 W/kg |
| Body-worn SAR | GSM 900, Wi-Fi, Bluetooth | 0,92 W/kg |

During use, the actual SAR values for your device are usually well below the values stated. This is because, for purposes of system efficiency and to minimise interference on the network, the operating power of your mobile device is automatically decreased when full power is not needed for the call. The lower the power output of the device, the lower its SAR value.

If you are interested in further reducing your RF exposure then you can easily do so by limiting your usage or simply using a hands-free kit to keep the device away from the head and body. Additional information can be found at www.motorola.com/rfhealth.
* The tests are carried out in accordance with [CENELEC EN50360] [IEC standard PT62209-1].

European Union directives conformance statement

The following CE compliance information is applicable to Motorola mobile devices that carry one of the following CE marks:

C€0168

C€0168①

[Only indoor use allowed in France for Bluetooth and/or Wi-Fi]

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

For products that support Wi-Fi 802.11a (as defined in your product information): This device is restricted to indoor use when operating in the 5.15 to 5.25 GHz (802.11a) Wi-Fi frequency band.

The following gives an example of a typical product approval number:

IMEI: 350034/40/394721/9

$C \in 0168$

Type: MC2-41H14

Product approval number
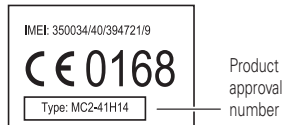
You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte (in English only). To find your DoC, enter the Product approval number from your product's label in the "Search" bar on the website.

FCC notice to users

The following statement applies to all products that bear the FCC logo on the product label.

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. See 47 CFR Sec. 15.105(b). 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.

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(a)(3).

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.

For products that support Wi-Fi 802.11a (as defined in your product information): This device is restricted to indoor use when operating in the 5.15 to 5.25 GHz (802.11a) Wi-Fi frequency band.

Software notices

Warning against unlocking the bootloader or altering a product's operating system software: Motorola strongly recommends that you do not alter a product's operating system, which includes unlocking the bootloader, rooting a device or running any operating software other than the approved versions issued by Motorola and its partners. Such alterations may permanently damage your product, cause your product to be unsafe and/or cause your product to malfunction. In such cases, neither the product nor any damage resulting therefrom will be covered by warranty.

Important FCC information: You must not make or enable any changes to the product that will impact its FCC grant of equipment authorisation. The FCC grant is based on the product's emission, modulation and transmission characteristics, including: power levels, operating frequencies and bandwidths, SAR levels, duty-cycle, transmission modes (e.g., CDMA, GSM), and intended method of using the product (e.g., how the product is held or used in proximity to the body). A change to any of these factors will invalidate the FCC grant. It is illegal to operate a transmitting product without a valid grant.

Location services

The following information is applicable to Motorola mobile devices that provide location-based functionality. Location sources can include GPS, AGPS and Wi-Fi.

Your mobile device can use *Global Positioning System* (GPS) signals for location-based applications. GPS uses satellites controlled by the U.S. government that are subject to changes implemented in accordance with the Department of Defense policy and the Federal Radionavigation Plan. These changes may affect the performance of location technology on your mobile device.

Your mobile device can also use *Assisted Global Positioning System* (AGPS), which obtains information from the mobile network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your mobile device can also use *Wi-Fi* signals to determine your approximate location, using information from known and available Wi-Fi networks.

Your location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices that are connected to a wireless network transmit location-based information. Devices enabled with location 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.

Emergency calls

When you make an emergency call, the mobile network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location.
AGPS has limitations and **might not work in your area**. Therefore:
• Always tell the emergency responder your location to the best of your ability; and
• Remain on the phone for as long as the emergency responder instructs you.

Navigation

The following information is applicable to Motorola mobile devices that provide navigation features.

When using navigation features, note that mapping information, directions and other navigational data may contain inaccurate or incomplete data. In some countries, complete information may not be available. Therefore, you should visually confirm that the navigational instructions are consistent with what you see. All drivers should pay attention to road conditions, closures, traffic and all other factors that may impact driving. Always obey posted road signs.

Privacy & data security

Motorola understands that privacy and data security are important to everyone. Given that 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. Use your device's security and lock features, where 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. Make sure you remove or clear all personal information before you recycle, return or give away your device. You can also back up your personal data to transfer to a new device.
  Note: For information on how to back up or wipe data from your mobile device, go to 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).
• **Applications and updates**—Choose your apps and updates carefully and install from trusted sources only. Some apps can impact your phone's performance and/or have access to private information including account details, call data, location details and network resources.
• **Wireless**—For mobile devices with Wi-Fi features, only connect to trusted Wi-Fi networks. Also, when using your device as a hotspot (where available) use network security. These precautions will help prevent unauthorised access to your device.
• **Location-based information**—Mobile devices enabled with location based technologies such as GPS, AGPS or Wi-Fi, can transmit location-based information. See "Location services" for more details.
• **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, or contact your service provider.

Use & care

To care for your Motorola mobile device, please observe the following:

liquids
Don't expose your mobile device to water, rain, extreme humidity, sweat or other liquids.

drying
Don't try to dry your device using a microwave oven, conventional oven or dryer, as this may damage the device.

extreme heat or cold
Don't store or use your mobile device in temperatures below -10°C (14°F) or above 60°C (140°F). Don't recharge your mobile device in temperatures below 0°C (32°F) or above 45°C (113°F).

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

cleaning
To clean your device, use only a dry soft cloth. Do not use alcohol or other cleaning solutions.

shock and vibration
Don't drop your mobile device.

protection
To help protect your mobile device, always make sure that any battery, connector and compartment covers are closed and secure.

Recycling

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

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

Open source software information
For instructions on how to obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device, you may send your request in writing to the address below. Please make sure that the request includes the model number and the software version number.
MOTOROLA MOBILITY, INC.
OSS Management
600 North US Hwy 45
Libertyville, IL 60048
USA
The Motorola website opensource.motorola.com (in English only) also contains information regarding Motorola's use of open source.
Motorola has created the opensource.motorola.com website to serve as a portal for interaction with the software community-at-large.
To view additional information regarding licences, acknowledgements and required copyright notices for open source packages used in this Motorola device, please press Menu Key
> **Settings** > **About phone** > **Legal information**
> **Open source licences**. In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.

How to obtain service or other information

1. Please access and review the online Customer support section of Motorola's consumer website prior to requesting warranty service.
2. If the Product is still not functioning properly after making use of this resource, please contact the Warrantor listed at the Motorola website or the contact information for the corresponding location.
3. A representative of Motorola, or of a Motorola Authorised repair centre, will help determine whether your Product requires service. You may be required to download or otherwise obtain and accept software updates from Motorola or a Motorola authorised repair centre. You are responsible for any applicable carrier service fees incurred while obtaining the required downloads. Complying with the warranty process, repair instructions and accepting such software updates is required in order to receive additional warranty support.
4. If the software update does not fix the problem, you will receive instructions on how to ship the Product to a Motorola Authorised repair centre or other entity.
5. To obtain warranty service, as permitted by applicable law, you are required to 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) your address and telephone number. In the event the Product is not covered by the Motorola Limited Warranty, Motorola will inform the consumer of the availability, price and other conditions applicable to the repair of the Product.

To obtain service or other information, please access and review the online Customer Support section of Motorola's consumer website at www.motorola.com.

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www.motorola.com

Certain features, services and applications are network-dependent and may not be available in all areas; additional terms, conditions and/or charges may apply. Contact your service provider for details.

All features, functionality and other product specifications, as well as the information contained in this guide, are based upon the latest available information and 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.

Note: The images in this guide are examples only.

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Caution: Motorola does not take responsibility for changes/modification to the transceiver.

Product ID: MOTO**SMART**

Manual number: 68016919007

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