


## 7.1.2 Turning on the Data Service

1. Touch  > **Settings**.
2. Touch **Wireless & networks** > **Mobile networks**.
3. Select the **Data enabled** check box to turn on the data connection.

 If you do not need a wireless network, you can uncheck the **Data enabled** check box to save data traffic costs.


## 7.2 Wi-Fi

Wi-Fi gives you wireless access to broadband Internet access. To use Wi-Fi on your mobile phone, you need to have an access to wireless access points (hotspots). Obstacles that block the Wi-Fi signal will reduce its strength.

### 7.2.1 Turning On Wi-Fi

1. Touch  > **Settings**.
2. Touch **Wireless & networks**, and then select the **Wi-Fi** check box to turn on Wi-Fi.

### 7.2.2 Connecting to a Wireless Network

1. After turning on Wi-Fi, touch  > **Settings**.
2. Touch **Wireless & networks** > **Wi-Fi settings**. You will see a list of detected Wi-Fi networks in the **Wi-Fi networks** section.
3. Touch a Wi-Fi network to connect to it.
  - If you select an open network, you will be automatically connected to the network.
  - If you select a network that is secured with Wired Equivalent Privacy (WEP) and connect to it for the first time, enter the password, and then touch **Connect**. If you connect to a secured wireless network that you have already used, you will not be prompted to enter the password again unless you reset your mobile phone to its default settings.

 On the **Wi-Fi settings** screen, touch **Add Wi-Fi network** to add a new Wi-Fi network.


## 7.3 Sharing Your Phone's Data Connection

You can share your mobile phone's data connection with a single computer via a USB cable: USB tethering. You can share your mobile phone's data connection with devices at the same time, by turning your phone into a portable Wi-Fi hotspot.


### 7.3.1 Sharing Your Phone's Data Connection via USB

To use USB tethering in different operating systems, you may need to prepare your computer to establish a network connection via USB.

❗ You can not share your mobile phone's data connection and SD card via USB at the same time.

1. Touch  > **Settings**.
2. Touch **Wireless & networks** > **Tethering & portable hotspot**.
3. Select the **USB tethering** check box to share your data connection.

### 7.3.2 Sharing Your Phone's Data Connection as a Portable Wi-Fi Hotspot

1. Touch  > **Settings**.
2. Touch **Wireless & networks** > **Tethering & portable hotspot**.
3. Select the **Portable Wi-Fi hotspot** check box to share your data connection.

🔍 When **Portable Wi-Fi hotspot** is selected, you can touch **Portable Wi-Fi hotspot settings** to change its network name or secure it.


## 7.4 Browser


Your mobile phone comes with a browser. You can use **Browser** to access and browse the Internet.

🔍 Your browser supports Flash applications.

## 7.4.1 Opening the Browser

Touch  > **Browser** to open the home page.

-  When the known or open Wi-Fi networks and the mobile networks are present at the same time, your phone will preferably select a Wi-Fi network for internet access.

Open the browser options menu and perform one of the following operations, touch  :

- **New window:** Touch to open a new window.
- **Bookmarks:** Touch to display bookmarks.
- **Windows:** Touch to go to the web preview screen. You can switch to another web page or open a new web page on this screen.
- **Refresh:** Touch to refresh the current page.
- **Forward:** Touch to browse the next web page.
- **More:** Touch to open other menus and perform operations such as searching, selecting text, downloading, or setting options.

## 7.4.2 Opening a Web Page

1. In a browser window, touch the URL field at the top of the screen.
2. Use the keyboard to enter the web page address. You can touch  to enter the web page address by voice.
3. As you enter the address, matching web page addresses will appear on the screen. If you see the address you want, touch it and go directly to that web page or complete entering the address of the web page you want.


## 7.4.3 Setting a Home Page

1. In a browser window, touch .
2. Touch **More** > **Settings** > **Set home page**.
3. Enter the address of the desired home page, and then touch **OK**.

## 7.4.4 Managing Bookmarks

You can store as many bookmarks as you want on your mobile phone.

## Adding a Bookmark

1. In a browser screen, go to the web page you want to save as a bookmark.
2. Touch , and then touch **Bookmarks > Add**. The add bookmark screen opens.
3. Edit the bookmark name as needed and then touch **OK**.

## Opening a Bookmark

1. In a browser window, touch , and then touch **Bookmarks**.

On the **Bookmarks** screen, touch the **History** tab to view the pages you have visited. Or touch the **Most visited** tab to view the pages you have visited most frequently.

2. Touch the bookmark of the website you want to open.


## 7.4.5 Customizing the Browser Settings

Customize the browser to suit your browsing style. Use **Browser** to set page content, privacy, and security preferences. In the browser screen, touch , and then touch **More > Settings**.

# 7.5 Bluetooth

Your mobile phone has Bluetooth, which allows you to create a wireless connection with other Bluetooth devices so you can share files with your friends, talk hands-free with a Bluetooth headset, or even transfer photos on your phone to your PC. If you are using Bluetooth, remember to stay within 10 meters (33 feet) of other Bluetooth devices. Be aware that obstacles like walls or other electronic equipment may interfere with your Bluetooth connection.

## 7.5.1 Turning On Bluetooth

1. Touch  > **Settings**.
2. Touch **Wireless & networks**, and then select the **Bluetooth** check box to turn on Bluetooth. When Bluetooth is turned on, the Bluetooth icon appears in the notification bar.
3. Touch **Bluetooth settings**, and then select the **Discoverable** to make your mobile phone visible to other Bluetooth devices.

## 7.5.2 Pairing and Connecting a Bluetooth Device

Your mobile Bluetooth lets you do the following:

- Hands Free Profile (HFP): allows you to use a hands-free Bluetooth device.
- Headset Profile (HSP): allows you to use a mono Bluetooth headset.
- Object Push Profile (OPP): allows you to transfer files through Bluetooth.
- Advanced Audio Distribution Profile (A2DP): allows you to use a stereo Bluetooth headset.
- AV Remote Control Profile (AVRCP): allows you to control what plays through the Bluetooth headset remotely.

Before you use Bluetooth, you need to pair your mobile phone with another Bluetooth device as follows:


1. Ensure that the Bluetooth function on your mobile phone is enabled.
2. Touch  > **Settings** > **Wireless & networks** > **Bluetooth settings**. Your mobile phone will then scan for Bluetooth devices in range.
3. Touch the device you want to pair with your mobile phone.
4. Enter the pairing password to complete the connection if necessary.

## 7.5.3 Sending Files via Bluetooth

With Bluetooth, you can share pictures, videos, or music files with your family and friends. To send files via Bluetooth, do as follows:

1. Touch and hold the file to be sent. The active options menu is displayed.
2. Touch **Share**, and then touch **Bluetooth** to select a paired device.

## 7.5.4 Disconnecting or Unpairing a Bluetooth Device

1. Touch  > **Settings** > **Wireless & networks** > **Bluetooth settings**.
2. Navigate to the **Bluetooth devices** section, and then touch and hold the connected device.

You can also just touch a connected device to disconnect it.

3. Touch **Unpair** to disconnect the device.



# 8 Entertainment

In addition to being a communication device and personal assistant, your mobile phone also provides you with a multitude of entertainment possibilities. You can take photos, create videos and audio clips, and download and listen to music.

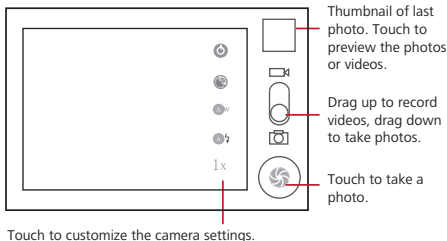
## 8.1 Taking Photos and Recording Videos

The camera is a combination of camera and camcorder that you can use to shoot and share pictures and videos.

### 8.1.1 Opening Your Camera

- Touch  > **Camera** to open the camera. The camera opens in landscape mode, ready to take a picture or record a video.
- Touch  to close the camera.

#### Capture Screen



On the capture screen, touch  to show the capture panel.

### 8.1.2 Taking a Photo

1. Open your camera and switch to the camera mode.
2. If necessary, change the camera settings. The preview changes as you change the settings.



3. Compose your photo within the photo capture screen.
4. Touch and hold  . When the frame turns green, the image is in focus.
5. Release  to take your photo.

The photo you just took is displayed for a moment. You can take another photo or preview your photos.

### 8.1.3 Viewing Your Photos

1. After taking a photo, a thumbnail of the photo you have just taken is shown in the upper right corner of the capture screen. Touch the thumbnail to view it.
2. Touch the onscreen button to do any of the following:
  - Touch **Share** to send the photo in a message or post it online.
  - Touch **Delete** to delete the photo.
  - Touch **More** > **Set as** to set a picture as contact icon or wallpaper.

### 8.1.4 Recording a Video

1. Open the camera, and then switch to camcorder mode.
2. If necessary, change the camcorder settings.
3. Frame the scene which you want to start your video.
4. Touch  to start recording a video.
5. Touch  to stop recording.

### 8.1.5 Viewing Your Videos

After recording a video, a thumbnail of the video you have just recorded is shown in the upper right corner of the Capture screen. Touch the thumbnail to view it.

On the video playing screen, touch the controls to skip forward or back or to play or pause the video.

## 8.2 Using the Gallery

Your **Gallery** application can automatically search for pictures and videos on your mobile phone and microSD card. Use **Gallery** to sort photos and videos into folders, view and edit pictures, watch videos, and set a picture as wallpaper or as a photo for a contact.


## 8.2.1 Opening the Gallery

Touch  > **Gallery** to open the viewer.


The **Gallery** application categorizes your pictures and videos by storage location and stores these files in folders. Touch a folder to view the pictures or videos inside.

## 8.2.2 Viewing a Picture


1. In the **Gallery**, touch the folder that contains the pictures you want to view.
2. Touch the picture to view it in full-screen mode.
3. Touch the screen. Then the zoom panel appears. You can zoom in or zoom out on the picture.

 The picture viewer supports the automatic rotation function. When you rotate your mobile phone, the picture adjusts itself to the rotation.

## 8.2.3 Rotating a Picture

1. When viewing a picture, touch  to display the operations panel.
2. Touch **More**.
3. Select either **Rotate Left** or **Rotate Right**. The picture is saved with the new orientation.

## 8.2.4 Cropping a Picture

1. When viewing a picture, touch  to display the more operations panel, and then touch **More > Crop**.
2. Use the cropping tool to select the portion of the picture to crop.
  - Drag from the inside of the cropping tool to move it.
  - Drag an edge of the cropping tool to resize the image.
  - Drag a corner of the cropping tool to resize the image without changing the length to width ratio.
3. Touch **Save** to save the cropped picture. Touch **Discard** to discard the changes.



## 8.3 Enjoying Music

You can download music files to your PC or insert a CD and copy the files to your microSD card so you can listen to music on your mobile phone.

### 8.3.1 Copying Music to the microSD Card

1. Connect the phone to your computer with a USB cable and mount the microSD card.
2. On the PC, navigate to the USB drive and open it.
3. Create a folder in the root directory of the microSD card (for example, **Music**).
4. Copy the music from your computer to the folder you have created.
5. After copying music, unmount or eject the drive as required by your PC's operating system to safely remove the mobile phone.
6. Disconnect the mobile phone from the PC.


### 8.3.2 Opening the Media Library

Touch  > **Music** to display the media library.

The **Music** application organizes your music files by storage location. It contains four tabs: **Artists**, **Albums**, **Songs** and **Playlists**.

### 8.3.3 Playing Music

1. Touch a category on the music library screen.
2. Touch the song you want to play.

 When you are listening to music, touch , to use another application. Your music continues to play. To return to the music controls, open the notification panel and then touch the song.

### 8.3.4 Adding Music to a Playlist

1. Touch a category on the music library screen.
2. In the list that appears, select the song you want to add to the playlist.
3. Touch and hold the song, and then touch **Add to playlist** in the options menu.
  - Touch **Current playlist** to add the song to an existing playlist.

- Touch **New** to create a playlist and add the song to it.

## 8.3.5 Playing a Playlist

1. Touch the **Playlists** tab on the music library screen.
2. Touch and hold the playlist you want to play.
3. Touch **Play** to play the playlist.

# 9 Google Services

❗ Availability of Google applications, services, and features may vary according to your country or carrier. Please follow the local laws and regulations to use them.

When you turn on your mobile phone for the first time, touch a Google services such as **Talk**, **Gmail**, or **Market**, and you will be prompted to sign in to your Google account.

❗ Ensure that your mobile phone has an active data connection (3G/GPRS) before you sign in to your Google account.


If you already have a Google account, touch **Sign in** and enter your username and password.

## 9.1 Creating a Google Account

If you do not have a Google account, you can create one:

1. After reading the setup information, touch **Next**.
2. Touch **Create**.
3. Enter a first name, last name, and user name for your Google account, and then touch **Next**. The mobile phone will connect to the Google server to check whether the username is available. If the username you entered is already in use, you will be prompted to choose another one or select one from a list.
4. Enter and confirm your Google account password.
5. Select a security question from the drop down menu, and then enter the answer.
6. Touch **Create**.
7. When the **Google Terms of Service** screen appears, touch **I agree**, **Next**.

8. Enter the characters that appear on the screen, and then touch **Next**.

 To use another Google account, go to the **Accounts & sync** screen, and touch **Add account** to select which type of accounts you want to add.

## 9.2 Using Gmail

**Gmail** is Google's web-based email service. When you first set up your phone, you may have configured it to use an existing **Gmail** account or create a new account. The first time you open the **Gmail** application on your phone, your **Inbox** will contain the messages from your **Gmail** account on the web.

### 9.2.1 Opening Gmail


Touch  > **Gmail**. The **Inbox** mail list appears. Any emails you decide to keep on your mobile phone will go to your **Inbox** folder.

### 9.2.2 Switching Between Accounts


1. In the mail list, touch , and then touch **Accounts**.
2. Touch the account that contains the email you want to read.

### 9.2.3 Creating and Sending an Email

1. In the mail list, touch , and then touch **Compose**.
2. Enter the message recipient's email address in the **To** field. If you are sending the email to several recipients, separate the email addresses with commas. You can add as many message recipients as you want.



If you want to send a copy (Cc) or a blind copy (Bcc) of the email to other recipients, touch , and then touch **Add Cc/Bcc**.

3. Enter the email subject and write your message.



If you want to add a picture attachment, touch , and then touch **Attach** to select the picture you want to attach.

4. After composing your email, touch  .

## 9.2.4 Replying To or Forwarding an Email

1. In the mail list, touch the email that you want to reply to or forward.
2. Touch , and then touch **Reply**, **Reply all**, or **Forward**.
3. Do one of the following:
  - If you selected **Reply** or **Reply all**, enter your message.
  - If you selected **Forward**, specify the message recipients and add any additional text you want to include with the forwarded message.
4. Touch .

## 9.2.5 Searching for an Email

1. In the mail list, touch , and then touch **Search**.
2. Enter the search keywords in the box, and then touch .


## 9.2.6 Customizing Your Gmail Settings

In the mail list, touch , and then touch **More > Settings** to customizing your **Gmail**.

# 9.3 Using Talk


**Talk** is Google's instant messaging service. You can use it to communicate in real time with other people using **Talk** on a phone or on the web.

## 9.3.1 Opening Talk

Touch  > **Talk** to open the application.

 Your **Talk** account is based on the Google account you set up with your mobile phone.

## 9.3.2 Adding a Friend

1. In the friends list, touch , and then touch **Add friend**.
2. Enter the **Talk** instant messaging ID or Google email address of the friend you want to add.

3. Touch **Send invitation**.


### 9.3.3 Accepting an Invitation

1. If you have invited anyone to chat or if someone else has invited you to chat, this information will appear in the friends list.
2. Touch a pending invitation, and then touch **Accept**.

### 9.3.4 Starting a Chat

1. In the friends list, touch a friend's name in the friends list.
2. Use the onscreen keyboard to enter text and chat with your friend.
3. After entering your message, touch **Send**.

### 9.3.5 Setting Notifications for New Instant Messages

Whenever you receive an instant message, your mobile phone can play a sound, vibrate, or display an icon. To set up one of these handy notifications, start in the friends list, and then touch . Then touch **Settings**. Now choose from one of the following:

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**IM notifications**

Select the check box to receive a notification on the notification bar when you receive an instant message.

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**Select ringtone**

Touch to choose the ringtone used for a new instant message. You will hear a short sample of the ringtone when you select it. To turn the ringtone off, select **Silent**.

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**Vibrate**

Select the check box to make your mobile phone vibrate when you receive a new instant message.

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### 9.3.6 Signing Out of Talk


In the friends list screen, touch , and then touch **Sign out** to quit **Talk**.

## 9.4 Using Maps

**Maps** lets you find your current location, view real-time traffic conditions (depending on availability in your locale), and get detailed directions to various destinations on a satellite, traffic, or other kind of map.

### 9.4.1 Enabling Location Source


Before you open **Maps** to find your location or search for places of interest, you must enable "location source".

1. Touch  > **Settings**.
2. Touch **Location & security**.
3. In the **My Location** section, select the **Use wireless networks** check box, **Use GPS satellites** check box, or both.


### 9.4.2 Opening Maps


Touch  > **Maps** to open the application.

### 9.4.3 Searching for Places of Interest

1. On the map, touch , and then touch **Search**.
2. Enter the place you want to search for in the search box, and then touch the Search icon.
3. Your search results will then be displayed. Touch a place you are interested in and the application will show where it is on the map.

### 9.4.4 Getting Directions



1. While viewing a map, touch , and then touch **Directions**.
2. Enter the starting point in the first text box, and then enter your destination in the second text box.
3. Touch the icon for car, public transit, or walking directions.
4. Touch **Go**. Your directions will appear in a list.
5. Touch a direction item on the list to show it on the map.

6. When you finish viewing or following the directions, touch  and touch **Clear Map** to reset the map.


## 9.5 Using YouTube

**YouTube** is Google's free online video streaming service for viewing, searching for, and uploading videos.

### 9.5.1 Opening YouTube

Touch  > **YouTube**. You will then see the YouTube screen. You can touch  > **Browse** > **All**, and then the videos will be grouped into categories, such as **Most viewed**, **Most discussed**, **Top rated**, and more.

### 9.5.2 Searching for a Video

1. On the **YouTube** screen, touch , and then touch **Search**.
2. Enter a search keyword, and then touch the Search icon.
3. You will see a number of search results displayed below the notification bar. Scroll through the results and touch a video to watch it.


### 9.5.3 Sharing a Video

1. While watching a video, touch **More**, and then touch **Share**.
2. Compose a message if you like, address the email, and send it.

## 9.6 Using Market

Android Market provides direct access to applications and games which you can download and install on your phone.

### 9.6.1 Opening Market

1. On the Home screen, touch  > **Market**.
2. When you open **Market** for the first time, the **Android Market Terms of Service** window will appear. Touch **Accept** to continue.

## 9.6.2 Searching for Applications

There are a few different ways to find applications on the **Market** home screen, including:

- Featured applications
- List of games
- Search function
- My apps

## 9.6.3 Installing an Application

❗ If you want to install a non-Market application, touch  > **Settings** > **Applications**, and then select the **Unknown sources** check box to allow installation of the non-Market application.

1. In the **Market**, touch **Apps**.
2. Touch a category, and then touch the item you want to download.
3. On the item details screen, read more about the application, including its cost, overall rating, and user comments. If you scroll down to the **Developer Info** section, you can see other applications from the same developer, link to the developer's website, or can send the developer an email.
4. To install the item, touch **FREE** (if the item is free) or touch the button with a price (if the item is not free), and then touch **OK**.
5. To check the progress of a download, open the notification panel. Most applications are installed within seconds. To stop an item from downloading, touch **Cancel**.
6. After the application has been downloaded and installed on your mobile phone, the content download icon appears in the notification bar.

## 9.6.4 Uninstalling an Application

1. On the **Market** screen, touch **My apps**.
2. Touch the application you want to uninstall, and then touch **Uninstall**.
3. When prompted, touch **OK** to remove the application from your mobile phone.
4. Choose the reason for removing the application, and then touch **OK**.



# 10 Synchronizing Information

Some applications on your mobile phone give you access to the same personal information that you can add, view, and edit on your computer. If you add, change, or delete your information in any of these applications on the web, the updated information also appears on your mobile phone.

This is made possible through over-the-air data synchronization. The process occurs in the background and does not interfere with use of your mobile phone. When your phone is synchronizing, a data synchronization icon will be shown in the notification bar.


## 10.1 Managing Your Accounts


You can synchronize contacts, email, and other information on your mobile phone with multiple Google accounts or other kinds of accounts, depending on the applications installed on your mobile phone.

For example, you can start by adding your personal Google account, so your personal email, contacts, and calendar are always available. You could then add a work account, so your work-related emails and work contacts are handy. If you like, you may add multiple Google accounts or other accounts.

### 10.1.1 Adding an Account

When you add an account, **Contacts** compares contacts from the newly synchronized account with contacts from your existing mobile phone accounts and attempts to merge duplicates into a single entry in **Contacts**. While it is presented as a single contact entry, the contact data itself is not merged.

1. Touch  > **Settings** > **Accounts & sync**. The screen displays your current synchronization settings and a list of your current accounts.

 In some cases, you may need to obtain account details from an IT support. For example, you may need to know the account's domain or server address.

2. Touch **Add account**.

3. Touch the kind of account to add.

4. Follow the onscreen steps to enter the required and optional information about the account. Most accounts require a username and password, but the details depend