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Liquid Jade



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Acer Liquid Jade User's Manual

Model: S55

This revision: August 2014

Sign up for an Acer ID and enjoy great benefits

Open the *Acer Portal* app from the *Start* screen to sign up for an Acer ID or sign in if you already have an Acer ID.

There are three great reasons for you to get an Acer ID:

- Build Your Own Cloud with Acer BYOC.
- Get the latest offers and product information.
- Register your device for warranty service.

For more information, please visit the AcerCloud website:

www.acer.com/byoc-start



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Acer Liquid Jade Smartphone

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

TABLE OF CONTENTS

Setting up	5	Using the browser	34
Unpacking your smartphone.....	5	Setting up Email.....	35
Getting to know your smartphone.....	5	Google services	35
Views	5	Setting up your Google email	36
Charging the battery	6	Voice search	36
Installing a SIM or microSD card	7	Play Store	37
SIM card lock	9	Google Hangouts.....	38
Using your smartphone	10	Maps, Navigation, Places and Latitude	39
Turning on for the first time.....	10	Using the Camera	40
Sign in to or create a Google account ...	10	Camera/camcorder icons and indicators	40
Entering your PIN.....	10	Mode selector	42
Activating a new SIM card	10	Settings.....	43
Locking your smartphone	10	Taking a photo	44
Waking your smartphone	11	Taking a panoramic photo	45
Navigating through menus and options .	11	Shooting a video	45
Using the touchscreen.....	12	Supported formats	46
Onscreen keyboards	12	Viewing photos and videos	46
Changing the text input method	12	Geotagging	46
Swype	13	Advanced settings	47
Google keyboard.....	14	Putting your smartphone in Airplane	
Predictive text	15	mode	47
The Home screen	16	Turning Airplane mode on or off	47
Change your Home screen interface	16	Restarting your phone	48
Search.....	17	Adjusting settings.....	49
The extended Home screen.....	18	Activating or deactivating connections.....	49
Personalizing the Home screen	18	Phone network settings	51
The Apps menu.....	21	Phone settings	52
Notification and status area	21	Sound	53
Multitasking.....	22	Audio profiles	53
Managing contacts	23	Display	54
Managing your contacts	23	Setting the date and time.....	54
Adding a contact	23	Setting alarms.....	54
Making calls	25	Changing language and text options	55
Before making a call	25	Connecting to a PC.....	55
Making a call.....	26	Synchronization	55
Dialing a number from Call History	26	FM radio.....	56
Viewing missed calls.....	27	Applications (apps)	57
Making a call to one of your contacts.....	27	Closing an app.....	57
Dialing an international number	27	Uninstalling an app	57
Direct dial widget.....	28	Restoring to factory settings	57
The voice call screen.....	28	Accessories and tips	59
Answering or declining a call	29	Using the headset.....	59
Conference calls	30	Using a Bluetooth headset.....	59
Messaging	31	Creating a new access point.....	59
Creating a new message.....	31	Inserting a microSD card	60
Replying to a message	32	Managing your SIM cards	61
Multimedia messages.....	33	SIM Management	61
Receiving multimedia messages	33	Appendix	64
Going online	34	FAQ and troubleshooting.....	64
Browsing the internet.....	34	Other sources of help	66

Warnings and precautions	67	Multimedia	72
Medical devices	68	USB connector.....	72
Vehicles	69	Connectivity	73
Potentially explosive environments.....	69	Camera	73
Emergency calls.....	70	Expansion	73
Taking care of your smartphone	70	Battery	73
Specifications	72	Dimensions	74
Performance	72		
Display	72	End User License Agreement	75

SETTING UP

Unpacking your smartphone

Your new smartphone comes packed in a protective box. Carefully unpack the box and remove the contents. If any of the following items is missing or damaged, contact your dealer immediately:

- Your new Acer smartphone
- Quick Guide
- USB cable
- AC adapter
- Headset

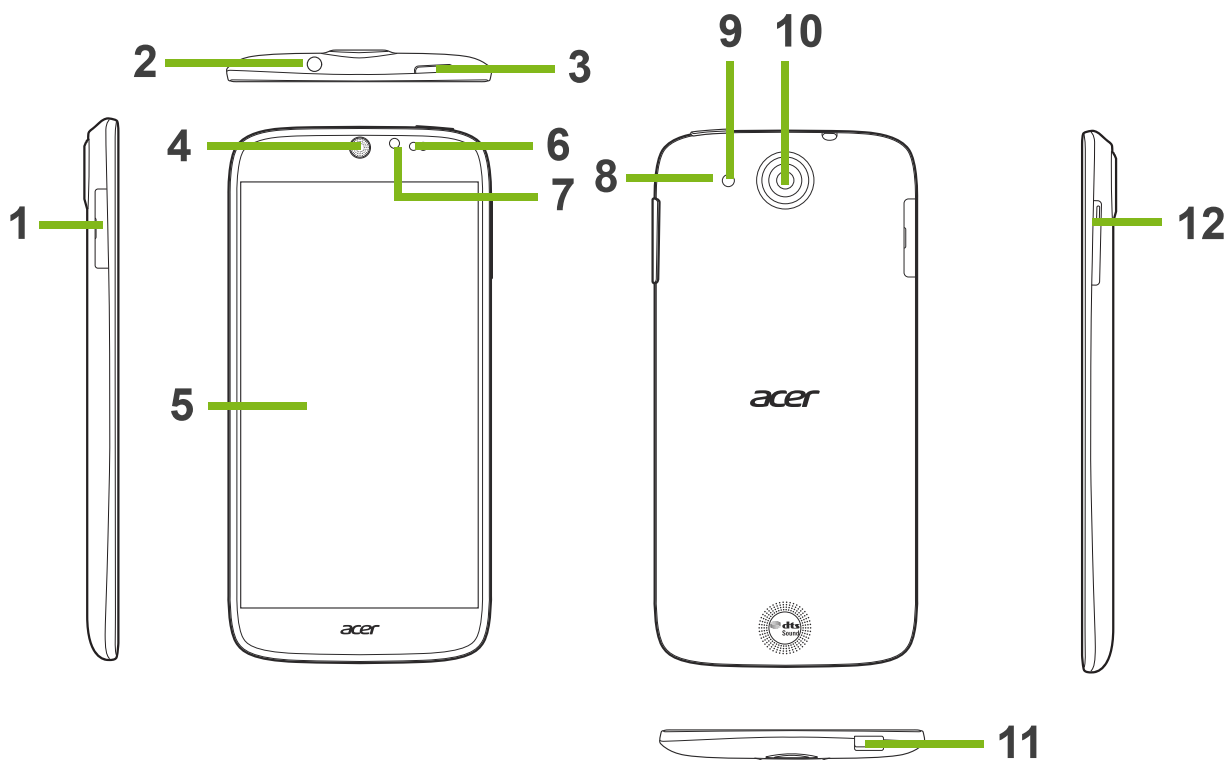


Note

In-box content varies depending on country and region.

Getting to know your smartphone

Views

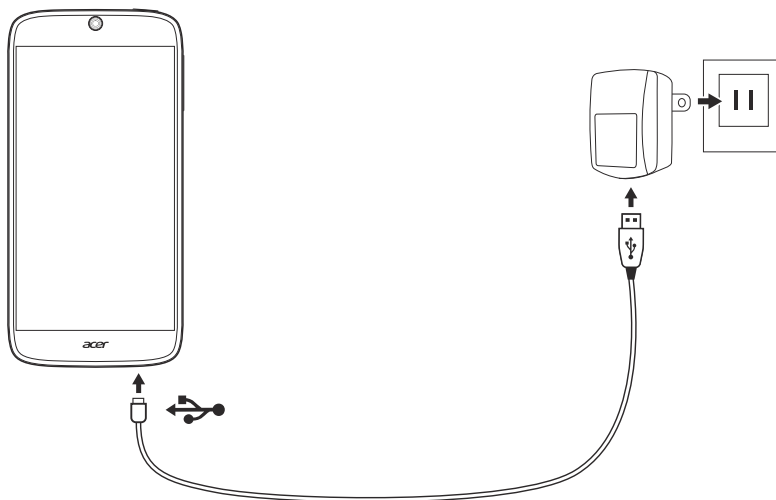


No.	Item	Description
1	microSD card / SIM card tray	Accepts a microSD card and one or two SIM cards (depends on model purchased). <i>Note: The microSD card replaces a SIM card in models that support two SIMs.</i>
2	3.5 mm headphone jack	Connects to stereo headphones.
3	Power button	Press to turn the screen on/off or enter sleep mode; press and hold to turn the smartphone on or off.
4	Phone speaker	Emits audio from your smartphone; suitable for holding to your ear.
5	Touchscreen	Touchscreen to display data, phone content and enter information.
6	Ambient light and proximity sensors	
7	Front camera	Front-facing camera suitable for video chats and self-portraits.
8	Microphone	Internal microphone.
9	Flash	LED flash for taking photos in low-light environments.
10	Camera	A camera for taking high-resolution images.
11	Micro USB connector	Connects to a USB cable/charger.
12	Volume up/down button	Increases or decreases the phone volume.

Charging the battery

For initial use, you need to charge your smartphone for eight hours. After that you can recharge the battery as needed.

Connect the AC adapter cord to the micro USB connector on your smartphone.



Installing a SIM or microSD card



Note

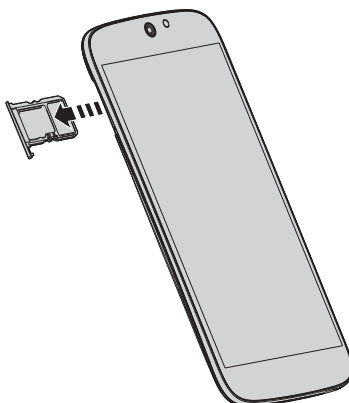
The information in this UM may vary according to the number of SIMs you are using.

To take full advantage of your smartphone's telephony capabilities, you must install a SIM card.

Your new phone has multiple SIM card holders; install any combination of SIM cards.

Additionally, you may wish to increase your smartphone's storage by inserting a microSD card into the labeled slot.

1. Turn off the phone by pressing and holding the power button.
2. Pull out the SIM / microSD card carrier.

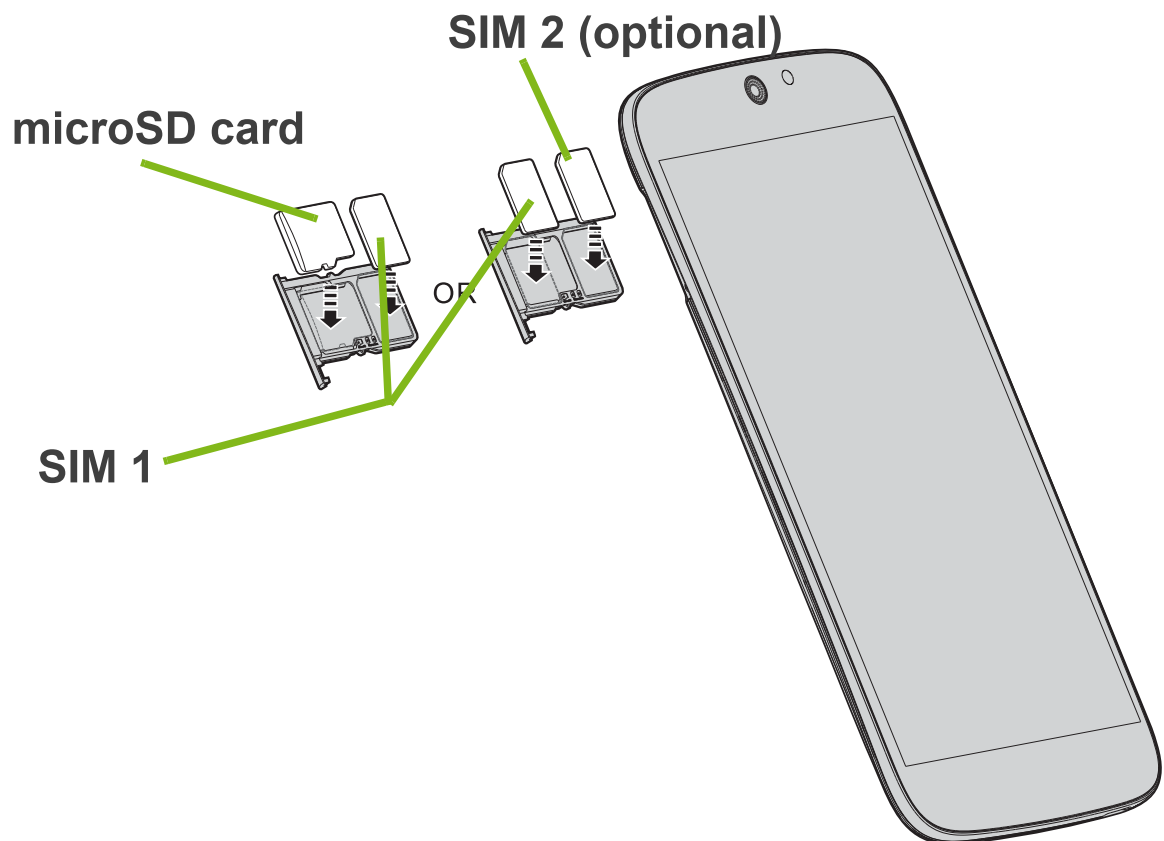


3. Insert the SIM and/or microSD card as shown.

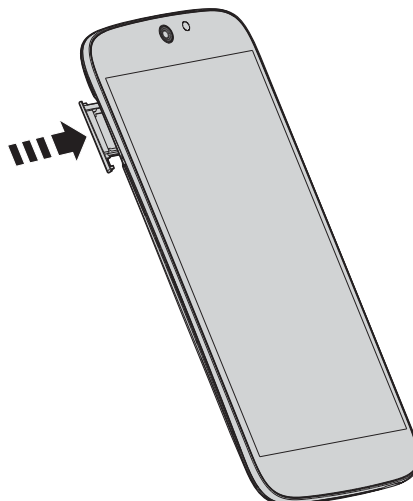


Note

Your phone can accept one nano SIM and one microSD card, OR two nano SIMs. Take care not to damage your cards when you reinsert the carrier. Specifications vary depending on model purchased.



4. Insert the carrier, taking care to ensure that the card(s) remain correctly seated in the carrier.



SIM card lock

Your smartphone may come with a SIM card lock, i.e., you will only be able to use the SIM card provided by your network operator.

To cancel the SIM lock, contact your network provider.

USING YOUR SMARTPHONE

Turning on for the first time

To turn on your smartphone for the first time, press and hold the power button until the screen turns on. You will then be asked to configure some settings before you can use your smartphone.

Follow the onscreen instructions to complete setup.

Sign in to or create a Google account

If you have Internet access, your smartphone allows you to synchronize information with a Google account.

You may create or sign in to an existing Google account, which will be used to synchronize your contact list, email, calendar and other information. Open the *Apps menu* and then tap **Settings** > **Add account**. Tap the type of account you want to add (e.g. Google). You will need internet access to complete the synchronization process. You can create and easily access multiple Google accounts.

Entering your PIN

When you install a SIM card for the first time, you may need to enter a PIN using the onscreen number pad.



Important

Depending on your settings, you may be required to enter your PIN each time you switch on the phone function.

Activating a new SIM card

If you are using your SIM card for the first time, it may require activation. Contact your network operator for details on how to do this.

Locking your smartphone

If you will not use your smartphone for a while, briefly press the power button to lock access. This saves power and ensures your

smartphone does not unintentionally use any services. Your smartphone will lock automatically if it is not used for one minute.

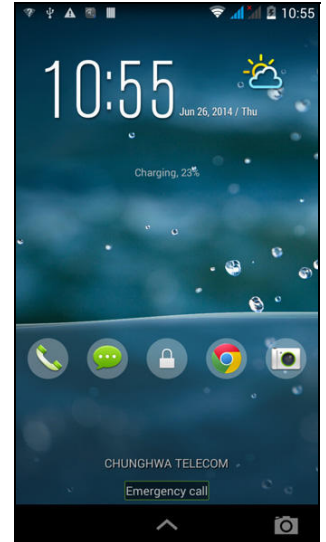
Waking your smartphone

If the screen is off and the smartphone does not react to any taps on the screen or front panel button, then it has been locked and is in sleep mode.

Press the power button to wake your smartphone. Unlock your smartphone by sliding your finger from one side of the screen to the other (it works both ways).

For additional security, you may set an unlock pattern, a set of dots that must be touched in the correct order to access the phone. Open the *Apps menu* and then tap **Settings > Security > Screen lock**. If you forget your unlock pattern, please refer to [Unlock pattern on page 66](#).

You may also directly enter the lock screen apps. Tap and hold the lock screen icon, move your finger slightly in any direction, and release. The phone unlocks and opens that app.



Navigating through menus and options

To navigate through menus and options, there are three buttons beneath the screen.



Back

Tap this button to go to the previous page, or to go up one level in a menu.

Home

Tap this button to go directly to the *Home screen*. Tap and hold this button to open *Search*.

Menu

Tap this button to see recently opened apps. Tap an app to open it. At the bottom of the *Menu* screen are Acer Float apps. Tap a Float app to open the app in its own window while keeping what you were doing visible. You can customize which apps appear. Swipe to the right in the Acer Float apps bar and tap the gear icon. Choose from float *Browser*, *Buttons*, *Calculator*, *Camera*, *Maps*, *Notes*, *Stopwatch*, and *Text*.

Tap and hold the *Menu* button to open a menu of actions that are valid for the current app or screen. Tap anywhere on the screen to return to the *Home* screen. **See Multitasking on page 22.**

Using the touchscreen

Your smartphone uses a touchscreen for selecting items and entering information. Use your finger to tap the screen.

Tap: Touch the screen once to open items and select options.

Drag: Hold your finger on the screen and drag across the screen to select text and images.

Tap and hold: Tap and hold an item to see a list of actions available for that item. On the pop-up menu that appears, tap the action you want to perform.

Scroll: To scroll up or down the screen, simply drag your finger up or down the screen in the direction that you want to scroll.

Onscreen keyboards



Note

The keyboard layout varies slightly, depending on the application and information that is required.

Your new phone has the Swype keyboard set as the default for entering text. **See Swype on page 13.**

Changing the text input method

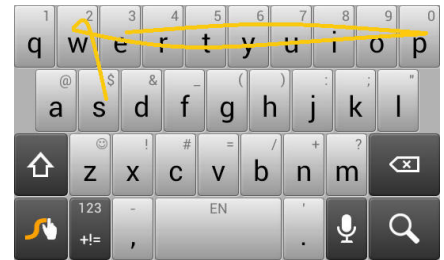
To change the input method:

1. Open the *Apps menu*.

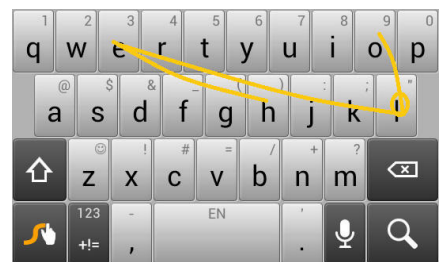
2. Tap **Settings > Language & input > Default**.
3. Tap your preferred input method(s) from the list (if only one method is selected, all options will be grayed out).
4. Uncheck the method(s) you do not wish to use.
5. Tap **Default** to set one method as your default.

Swype

Swype is a fast way to enter text. It allows you to type with one continuous motion across the screen keyboard; you create a word by drawing through letters.

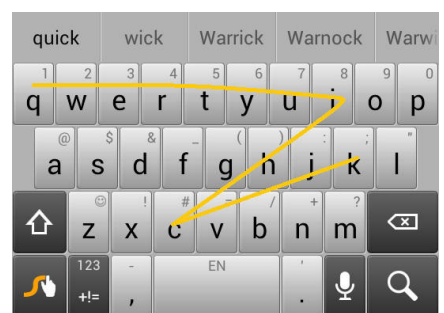


Put your finger on the first letter of the word and draw a path from letter to letter, lifting up only after the last letter. Swype will insert spaces where necessary.



Swype will usually add a double letter in a word when needed, but you can help Swype recognize you want a double letter by scribbling slightly or making a loop on the letter. For example, to get the "ll" in "hello", scribble (or make a loop) on the "l" key.

When there are multiple suggestions for the word you want to enter, Swype displays a Word Choice List. To accept the default word in the Word Choice List, just keep Swyping. Otherwise, scroll through the list by dragging your finger, and tap the word you want.



Press and hold the Swype key to access settings, features, updates, preferences, and help.



Tap the **+!=** button to see numbers and special characters; tap the page (shift) key to see even more.

Additional keys vary depending on the type of text you enter, e.g. a key to add a smiley is available when typing a text message. Like other keys, tap and hold for additional options.

To change the input method, open the **Notification** area ([see Notification and status area on page 21](#)) and tap **Choose input method**.

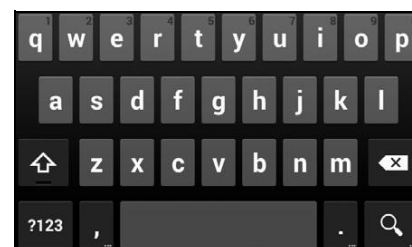
Text assistance

The Swype keyboard has various features that assist you to enter correct text. In the *Application menu*, tap **Settings > Language & input** and then tap the **Settings** button to the right of **Swype**. You can also tap and hold the Swype key . From here you can enable or disable the following:

Function	Description
How to Swype	Learn how to use the Swype keyboard.
Gestures	Use how to use Swype gestures.
Preferences	Change your text input preferences.
Language Options	Set the language used by the keyboard.
Swype Connect	Add contact names and words used in posts to your personal dictionary. Change data settings.
Personalization	Change keyboard theme, edit your personal dictionary and personalize your experience by signing in to Facebook, Twitter or Gmail to populate your dictionary.
Updates	Check for app and dictionary updates.

Google keyboard

This is a standard onscreen QWERTY keyboard that allows you to enter text. Tap and hold a key with numbers at the top to select alternative characters, such as letters with accents.



Tap the **?123** button to see numbers and special characters, and then tap the **=\<** key to see even more.

You can choose another input language by tapping and holding the forward slash key. Alternatively, you can open the *Apps menu* and then tap **Settings > Language & input**. Then tap the **Settings** button

next to *Google keyboard* > **Input languages**. The keyboard layout changes according to the selected language.

After setting up more than one language, the world button appears next to the space bar. Tap this button to quickly toggle between multiple input languages.



Text assistance

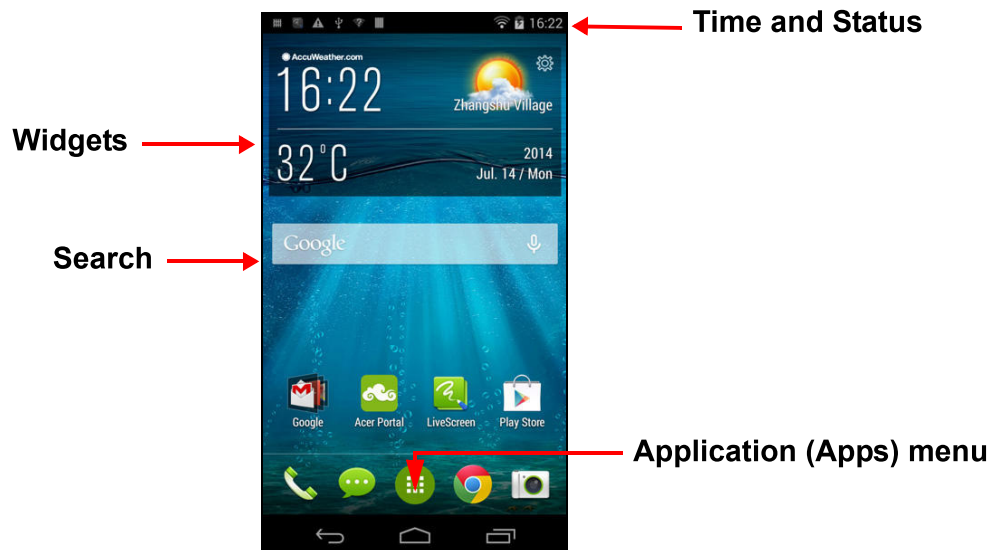
The Google keyboard has various features that assist you to enter correct text. In the *Apps menu*, tap **Settings** > **Language & input**. Then tap the **Settings** button next to *Google keyboard*. From here you can enable or disable several keyboard-related settings.

Predictive text

Google keyboard provides predictive text input for the browser. As you tap the letters of a word, a selection of words are displayed above the keyboard that continue the sequence of letters tapped, or are a close match allowing for errors. The word list changes after every key press. If the word you need is displayed, you can tap on it to insert it into your text.

The *Home* screen

The *Home* screen gives you quick access to information and simple controls with widgets or shortcuts. These display information such as the time and weather, or provide additional controls and direct access to apps and other frequently used features of your smartphone.



At the bottom of the screen is the *application dock* which displays default apps. Tap an icon to open the app. Tap the *Apps menu* icon in the middle of the *application dock* to view your apps. To change apps, **see [Changing application dock icons on page 20](#)**.

Change your *Home* screen interface

Your new smartphone offers a *Quick Mode* user interface that provides three customized layout options that are designed for specific groups of users.

Standard Mode

Provides easy-to-understand icons for commonly used functions on the phone and three themes to choose from.

Easy Mode

Provides large icons for commonly used functions and two themes to choose from. This mode is ideal for older users and users who have reduced vision and/or mobility.

Basic Mode

This provides photo-based dialing and messaging options that are ideally suited to younger and/or inexperienced smartphone users.

Turning Quick Mode on

To turn *Quick Mode* on:

1. Open the *Apps menu* > **Quick Mode**.
2. Select the mode you would like to use, then tap **Next**.
3. Choose whether you would like to add more content or not.
4. Choose your theme, and set the widgets.

Set a passcode for Quick Mode

Once you have activated *Quick Mode* you have the option of setting a passcode to prevent unauthorized changes.

1. Swipe down from the top of the screen to open the *Notification area*.
2. Tap the *Settings* icon in the lower right-hand corner of the screen.
3. Enter the passcode twice and tap **OK**.

Turning Quick Mode off

To turn *Quick Mode* off:

1. Swipe down from the top of the screen to open the *Notification area*.
2. Tap the *Settings* icon in the lower right-hand corner of the screen.
3. Set a passcode if you have not previously set one.
4. Tap **OK**.
5. Tap the *Settings* icon in the lower right-hand corner of the screen.
6. Tap **Exit Quick Mode**.

Search

To search for apps, files or for information on the Internet, tap the **Google** icon.



Simply enter the text you want to find and tap  or tap one of the suggestions, apps or files shown in the list.

In order to search or browse the Internet, you must be connected to a cellular data (if available) or wireless network. **See Going online on page 34.**

Voice search

If voice search is available, tap the microphone and speak your search request. **See Voice search on page 36.**



The extended *Home screen*

The *Home screen* extends to either side of the screen, giving you more room to add icons, widgets or features. To view the extended screen, slide your finger to the left or right.



Personalizing the *Home screen*

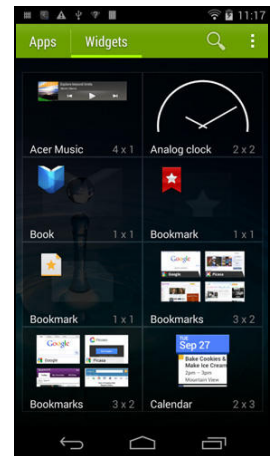
You may personalize your *Home screen* by adding or removing app shortcuts or widgets, and by changing the wallpaper.

Adding and removing shortcuts and widgets

To add shortcuts or widgets, tap the *Apps menu* icon in the bottom-center of the *Home screen*.

Tap **Apps** to see a list of shortcuts to apps you can drag to a *Home screen*.

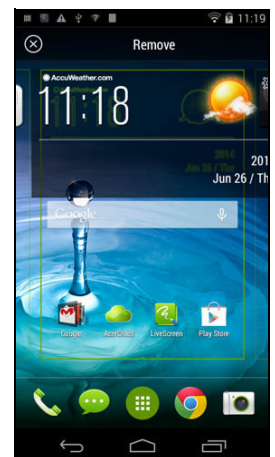
Tap **Widgets** to see small apps and links (such as custom shortcuts, contacts or bookmarks) that you can add to a *Home screen*. Widgets are small apps that display constantly-updated information or quick shortcuts to apps or special functions.



To move an app or widget to the *Home screen*, tap and hold an item until it is selected. The *Home screen* will open. Drag the item to any free area on the screen. To view information about the app or widget, drag it to the icon at the top of the screen.

To move the item to a different *Home screen*, drag it to the side of the screen, the *Home screen* will switch to the screen in that direction. Release the item when it is positioned correctly.

To remove a shortcut or widget from the *Home screen*, tap and drag it to **Remove** at the top of the screen.



Resizing widgets

Some widgets can be resized. As soon as you place a widget on the *Home screen*, you can resize it by dragging the corners.

To resize a widget that is already on the *Home screen*, tap and hold the widget. Once the Remove icon appears, release the widget. If the widget is resizable, you will be able to drag the sides of the widget to resize it.

Adding or removing folders

You can also add folders to your *Home screen*. To create a new folder drag and drop an app icon onto another app icon in the *Home screen*.

This will create an Unnamed Folder. Tap the folder icon and then tap the name of the folder to rename it.



To delete an app shortcut from a folder, tap on the folder icon to display the apps inside and then tap and hold the app icon that you want to remove. Drag and drop the icon on **Remove** that will appear at the top of the screen.

To delete a folder, tap and hold on the folder and then drag and drop the folder on **Remove** that will appear at the top of the screen.

Changing application dock icons

You can set icons for installed apps in the *application dock*. Open the *Apps menu* and find the app you want to add. Tap and hold the icon, then drag it to any open position in the dock. Dragging the new app to an existing dock icon will create a folder for both icons.

To remove an icon from the dock, tap and hold the icon to select it. Either drag the icon to a different location outside the dock or to **Remove** at the top of the screen.

Changing the wallpaper

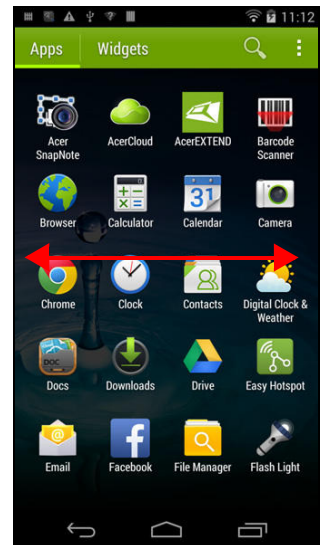
In the *Apps menu*, tap **Settings > Display > Wallpaper**. Choose from images stored in the *Gallery*, *Live Wallpapers* (featuring animated or interactive backgrounds), *Photos*, *Video Wallpaper* (enabling you to use videos as your background), or *Wallpapers*.

The *Apps menu*

To access the *Apps menu*, on the *Home screen* tap  in the center of the dock.

Apps are displayed in alphabetical order. Swipe the page to the left or right to see more apps. When you are on the last page of apps, swipe to the left to see widgets available on your tablet, or tap **Widgets** at the top of the page.

To quickly jump to apps or widgets, tap **Apps** or **Widgets** at the top of the *Apps menu*.



Notification and status area

Notification and status icons are shown at the top of the screen. The top-right area displays a variety of status information, such as Wi-Fi connectivity, signal strength, battery status, and time. The top-left area displays event icons, such as a new message.

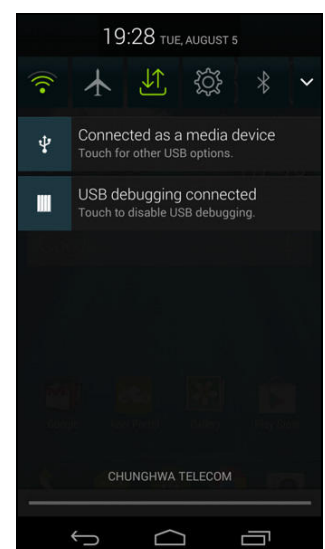
- Dual-SIM models:



- Single-SIM models:

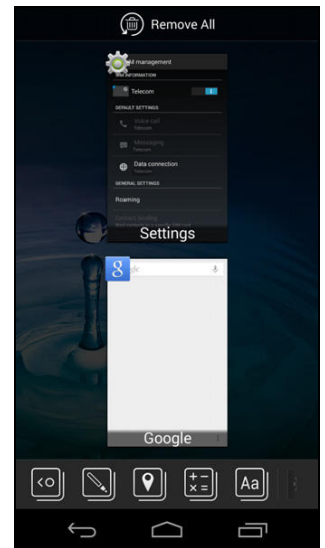


Drag the **Notification** area down the screen to view more information about new events and access *Quick Settings*.



Multitasking

You can have multiple apps open at the same time. To open a new app, tap the home button to return to the *Home screen*, then start the new app. Tap the Menu button to quickly navigate back and forth between previously-opened apps.



Note

*To prolong battery life, it is better to close an app when you've finished using it. Do this by either pressing the **Back** key or the **Menu** button and selecting **Exit** (if available).*

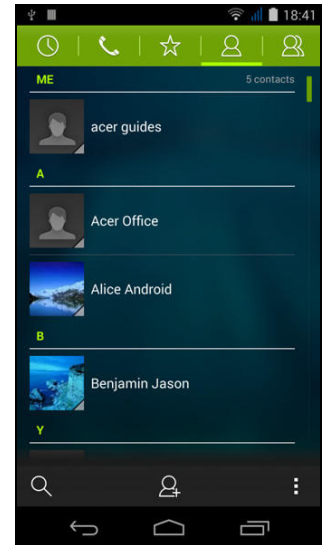
MANAGING CONTACTS

Managing your contacts

Your smartphone features an address book that allows you to save contacts to either the internal memory or onto your SIM card.

Tap the **Contacts** app from the *Apps menu* or tap **All contacts** from the *Dialer* to view your contacts.

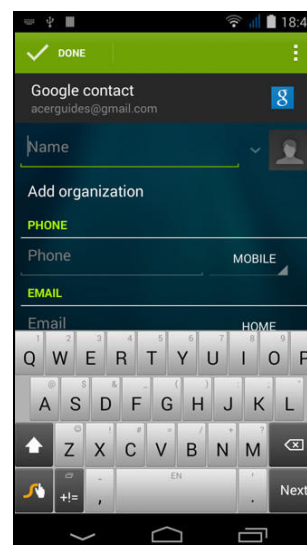
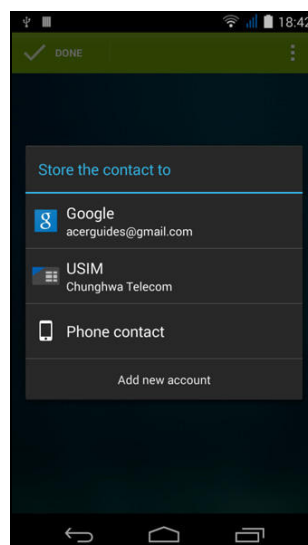
If you don't have any contacts stored on your phone, you can import your Google account contacts, add a new contact or import contacts from your SIM or SD card. Open the **People** app from the *Apps menu* and then tap  to add a contact,  to search for a contact, or tap the **Menu** button to open the menu.



Adding a contact

Tap  to add a new contact. You may also scan a person's profile barcode to add the person to your contact list or group.

To create a contact, first choose where you want to store the contact's information. You will then be asked to enter the contact's information, such as name, address, and phone number.



You may scroll down the page and tap **Add another field** to add things such as:

- IM addresses.
- Add any personal notes about the contact.
- Phonetic name
- Link a website

To assign an image to your contact, tap the silhouette and select whether to take a photo or select an image from your smartphone's picture gallery.

When done, click **Done** at the top of the screen.

Tapping on the contacts name will bring up their profile. Tap  while viewing a contact's profile to edit, share, delete, or print the contact. You may also set a ringtone for the contact, block incoming calls from this contact, or place the contact on your *Home* screen.

You may also create a contact from an already dialed or received number, **see Saving a dialed number to contacts on page 30.**

MAKING CALLS

This chapter shows you how to make phone calls, and the various options available to you during your call.

Before making a call

Check that the phone function is on before you make a call. You can confirm the phone status from the Notification area.



Note

Status and notification icon colors may vary. You will see an indicator icon for each SIM card inserted.

Icon	Description
	Connected to the network: You may make a call.
	Airplane mode: Wireless connectivity disconnected (Wi-Fi, Bluetooth, 2G and 3G). Please disable airplane mode before trying to make a call.

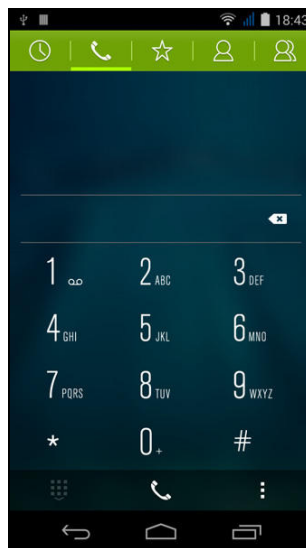
Making a call



Note

If you have multiple SIMs inserted in the phone, you will be asked which SIM to use before the call is connected. To select a SIM, just tap the name of the carrier.

1. From the *Home* screen tap **Phone** to open the onscreen number pad.



2. Enter the number you wish to dial.
3. Tap  to make the call.
4. To end the call, tap .

If the contact you need is displayed, simply tap the contact name to make a call.

Dialing a number from Call History

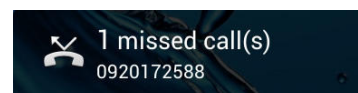
Your call history can be viewed by tapping the *Call History*  button. It displays recent received, dialed, and missed calls.

Tap the phone icon to redial. To view call details and other options, tap the number or contact's name.

Viewing missed calls

Missed call notifications are displayed in the following three areas:

1. The Notification area with the missed call  icon. Open the **Notification** area and tap the missed call notification to display the missed call details.
2. By the Phone icon (the number in the box is the number of missed calls). Tap **Phone** from either the *Home screen* or the *Apps menu* to directly display the missed call details.
3. On your phone's lock screen. Tap the notification and slide to the left or right to display the missed call details.



Making a call to one of your contacts

Calling a contact from the Contacts tab

1. Tap the **All contacts** to view your contacts.
2. Tap on a contact to call them.

Calling a contact from the Contacts app

1. Tap the **People** icon the *Apps menu* to view your contacts.
2. Tap on a contact to open their profile.
3. Tap on the contact's phone number to call them.

Dialing an international number

When dialing international numbers, there is no need to enter the international direct dialing prefix ('00' etc.) before the country code.

Simply tap and hold 0+ on the onscreen number pad until + appears onscreen.



Important

International call rates can vary greatly depending on the country you are calling and your network provider. We suggest you check all call rates with your network provider, to avoid excessive phone bills. If you are using your smartphone abroad, roaming charges will apply. Consult your network provider for roaming rates specific to the country you are visiting before you leave.

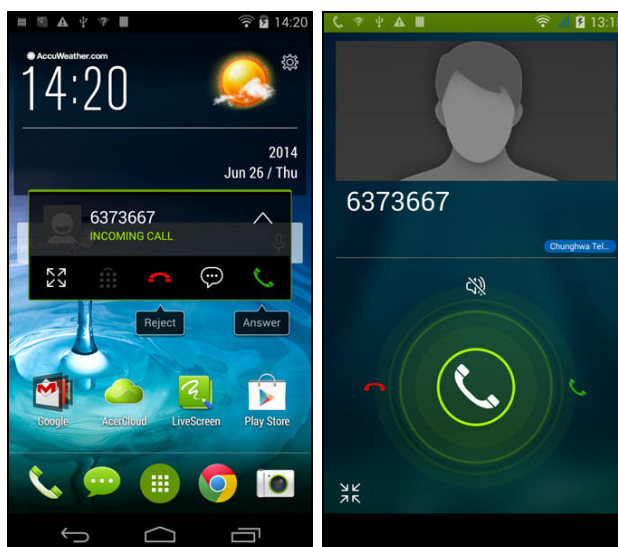
Direct dial widget

You may add a direct dial widget for a contact on your *Home screen*. Open the *Apps menu*, then tap the **Widgets** tab. Tap and hold **Direct dial** and you will be able to place the widget on your *Home screen*. Once placed, you will be able to select a contact to associate with that particular widget on your *Home screen*.

The voice call screen

You can minimize the call window to appear as a movable dialog instead of a whole screen by tapping the  icon. You can even set this "floating" dialog box as the default voice call screen. To do so, open the **Notification** area and tap the down arrow to display more *Quick Settings* options(see **Notification and status area on**

page 21). Tap the **Float caller** button to activate (green means *Float caller* is "ON").



Answering or declining a call

When you have an incoming call, the number will be shown on the screen. To accept or decline the call, tap the appropriate icon and slide your finger across the screen.

Ending a call

To end a call, tap  from the voice call screen.

Voice call options

Icon	Description
	Place the call on hold.
	Mute a call.
	Speakerphone.
	Access the keypad while a call is in progress.
	Two options: • Add a second call • Record the conversation.

Saving a dialed number to contacts

You can save a number you have dialed to your contacts for future use.

1. From the *Call History* , tap the number and then tap **Add to contacts** .
2. Tap **Create new contact** and enter the information. **See Adding a contact on page 23.**

Conference calls

If you have one call on hold and another on line, you can combine both calls to create a conference call.

After the first call is established, tap  to add a second call. Tap  to start the conference call.

MESSAGING

This chapter shows you how to set up and use the **Phone messages**, **Social messages** and **Social events** functions of your smartphone.

All SMS and MMS messages are accessed via **Messaging**. Messaging automatically arranges received and sent messages into threads.

To access Messaging, open the *Apps menu* and tap **Messaging** on the *Home screen*.



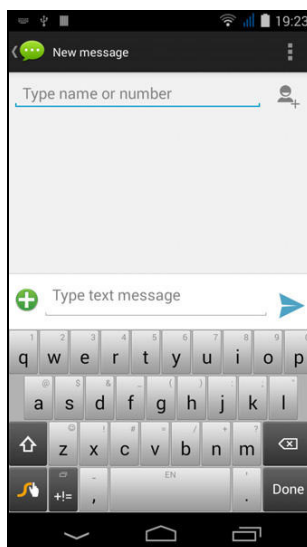
Note

If you have multiple SIMs inserted in the phone, you will be asked which SIM to use before the message is sent. To select a SIM, just tap the name of the carrier.

Creating a new message

You can use your phone to compose text (SMS) and multimedia (MMS) messages.

Tap  to compose a new message.



Tap  to add contacts from your contacts list (*People*), or tap the **Type name or number** field to enter the recipient's phone number or name directly. Suggested contacts will be displayed in a drop-down list below the text field. To select a suggested contact, tap the contact's name.

Enter your message in the text box labeled **Type text message**.



Note

Text messages may be up to 160 characters long. If your message is longer than 160 characters, it will be sent as multiple linked messages. Most phones will automatically join the linked messages to present the recipient with a single long message, however, some older phones do not have this ability.

Tap the Menu button to see what options are available when creating a new message. The options change depending on the status of the message.

Option	Description
Insert quick text	Insert pre-defined text content.
Insert contact	Add a contact to the recipients list.
Add subject	Add a subject to the message.
Discard	Discard the message.

Replying to a message

When a new text message arrives a message icon appears in the Notification area and the message icon at the bottom of the phone displays the number of unread text messages.

Tap **Messaging** from the *Apps menu* to view the message list or open the **Notification** area to see a summary of the message. Tap the summary to open the message list.

To reply to an SMS or MMS message, open the message from the message list. Enter your text in the text box labeled **Type text message**. Tap the Menu button to see available options.

Option	Description
Select message	Select multiple messages.
Insert quick text	Insert pre-defined text content.
Insert contact	Add a contact to the recipients list.
Add subject	Add a subject to the message.
Add to contacts	Add the other contact to your contacts list.
Chat settings	Modify various messaging settings.

Multimedia messages

Multimedia messages are similar to text messages but also allow you to attach files such as pictures, audio or video clips. Each message can be up to 300 kB in size.



Note

You need to set up an MMS profile before you can send MMS messages. Normally, your smartphone will set up the profile for you based on information retrieved from your provider.

Ask your network provider for the necessary information if you need to manually set up the MMS profile.

Receiving multimedia messages

When a new multimedia message arrives, a message icon appears at the top of the screen and a notification message is displayed.

1. The notification message displays a summary of the message. Tap **View** to view a summary of the message.
2. Tap **Download** to download the message content. Downloads can take a long time, depending on your connection quality. If you reply or open another app, the download will be stopped.



Important

You may be charged to download message content, especially if you are roaming. Please contact your provider if you have any questions.

3. Tap the message to view the content.
4. To reply to the message, enter **your text in the text box labeled Type message and tap the Send icon**. Simple text replies will be sent as SMS messages. If you wish to attach a file, tap . You will be presented with a menu of options.
5. When you have finished composing the message, tap the **Menu** button and tap **Send**.

GOING ONLINE

Browsing the internet

In order to browse the internet with your smartphone, you must be connected to a data or wireless network.

Using the browser



To start browsing, open the *Apps menu* and tap the **Chrome** or **Browser** icon.



Note

Reference images use the Chrome browser.

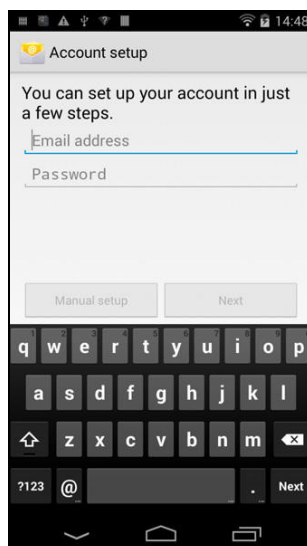
To open a new website, tap the address box at the top of the page. Enter the address using the keyboard and tap **Go**. You can zoom in or out of pages by pinching or reverse pinching.

To navigate forward and backward in your browser's history, view your bookmarks, adjust browser settings, and perform other tasks, tap the **Menu** button.

Chrome enables you to open multiple pages. Tap  at the top of any webpage to display all of your open tabs (tap again to close). Tap a tab from the list to open it. To open a new tab, tap **New tab**. The number in the icon represents the number of open tabs.

Setting up Email

Your smartphone enables you to access your email. Most popular ISPs can be set up in two steps. In the *Apps menu* tap **Email** to start setting up your email account.



If necessary, enter your email address and tap **Manual setup** to enter the parameters manually. Tap **Next** to finish the setup process.

Google services



Note

Apps may not be available in all countries and regions.

You must activate a Google account before using Google services. The first time you access Google services, you must read and accept the Terms of Service.

Setting up your Google email

1. Make sure your smartphone is connected to a data or Wi-Fi connection.

2. From the *Apps menu* tap **Gmail**.

If you did not enter your Gmail account address and password when you first started your phone, follow the onscreen instructions.

Composing an email

1. Make sure your smartphone is connected to a data or Wi-Fi connection.

2. From the *Apps menu* tap **Gmail**.

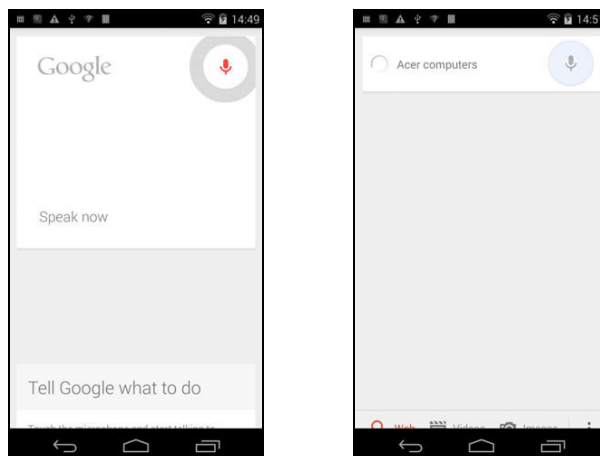
3. Tap .

4. Enter the recipient's email address, the subject and message.

5. When you are finished composing your message, tap .

Voice search

With voice actions, you can send text messages, place calls, send emails, find directions of establishments, automatically call establishments, search the internet and even send a note to yourself using your voice. Tap **Voice Search** from the *Apps menu*, or tap the *microphone* icon on the *Home screen*.



Play Store



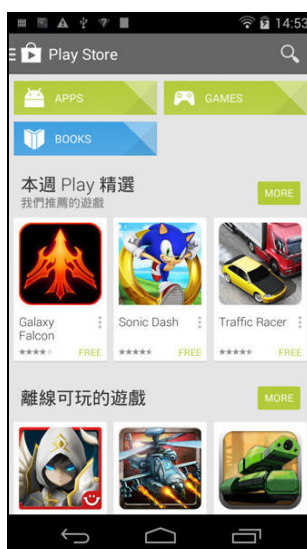
Important

For connection issues with Play Store, see [FAQ and troubleshooting](#) on page 64

Tap **Play Store** from the *Apps menu* to open the Google Play. Here you can obtain a variety of add-on programs and apps to enhance the functionality of your smartphone.

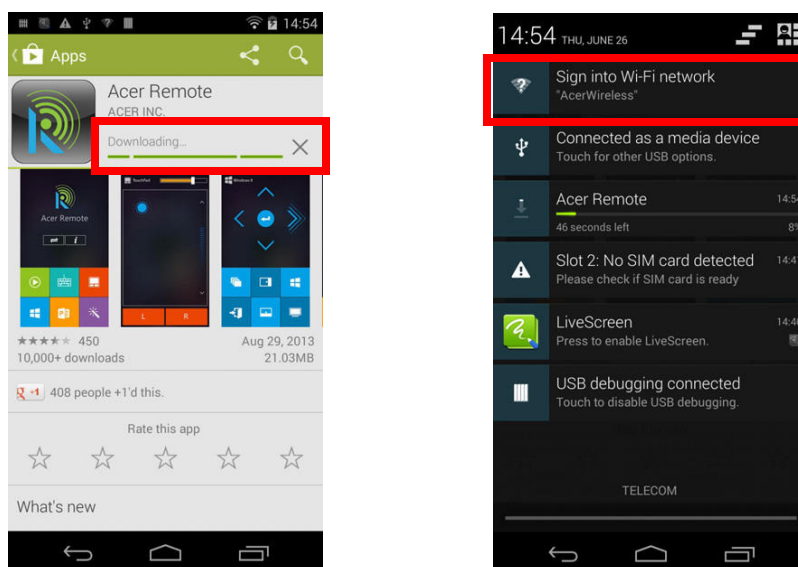
The contents and design of Google Play varies by region. For example, in some regions, you can also browse for and purchase movies, books, magazines, or music. Updates may add new categories or change how to navigate Google Play at any time.

You can browse the store by category or tap the search icon to search for a specific app.



Once you have selected an app, tap the **Install** button to download and install the app. You will be told which services the app requires access in order to function correctly (e.g. contact information, wireless access, GPS). If none of these services seem unusual, tap **Accept & download** to proceed with the installation.

You may keep track of the download progress from both the app's page and the notification area.



Important

Some apps may require payment before you can download them. You will need to have a **Google Wallet** account in order to pay for these apps, or a credit card number associated with your Google account.

Using downloaded apps

Once you've downloaded and installed an app, you may find it in the *Apps* or *Widgets* sections of the *Apps menu*.

Certain apps provide both an App and widget, or only provide a widget (with no app icon). See [Personalizing the Home screen on page 18](#).

Uninstalling downloaded apps

Once you've downloaded and installed an app, you may uninstall the app by opening the *Apps menu* and tapping **Settings** > **Apps**. In the downloaded tab, select the app you wish to uninstall and tap **Uninstall**. Deleting an app icon from the *Home screen* only deletes the shortcut.

Google Hangouts

Tap **Hangouts** from the *Apps menu* to open Google Hangouts. Here you can see a list of your contacts connected to Google Hangouts

services. Tap on a contact to open a chat session. After you have connected, you can open a video chat session.

Maps, Navigation, Places and Latitude

Get easy-to-follow directions using Google Maps, view real-time traffic condition and navigate by using spoken, turn-by-turn driving instructions. Also, view where your friends are, places of interest, and local businesses.



Note

*Maps does not have information about every location.
Some locations may not have all zoom levels.*

Using the map

Tap the **Maps** icon in the *Apps menu*. Drag the map with your finger to move the map around.

To zoom in or out:

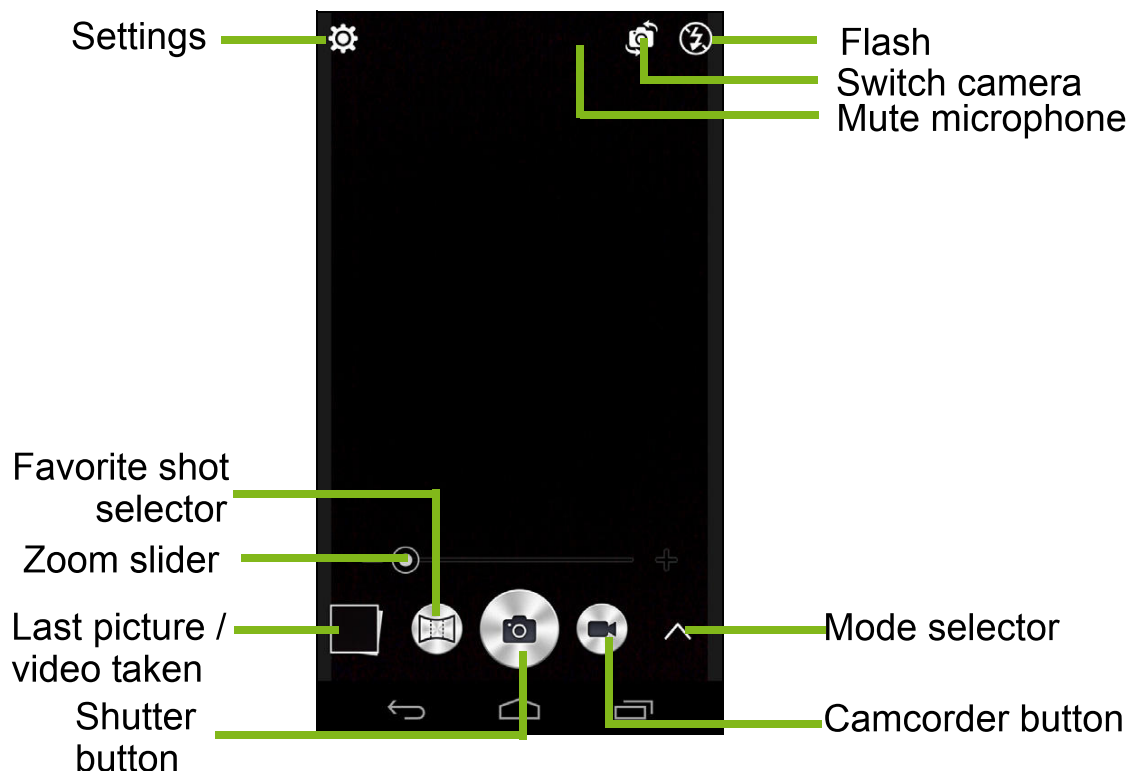
1. Double tap a location on the map to zoom in on the location, and tap once to zoom out, or
2. Touch an area with two fingers at once and spread them apart to zoom in, and pinch them together to zoom out.

USING THE CAMERA

Your smartphone features two digital cameras mounted on the front and on the rear. This section will take you through all the steps in taking photos and videos with your smartphone.

To activate the camera, open the *Apps menu* and tap **Camera**.

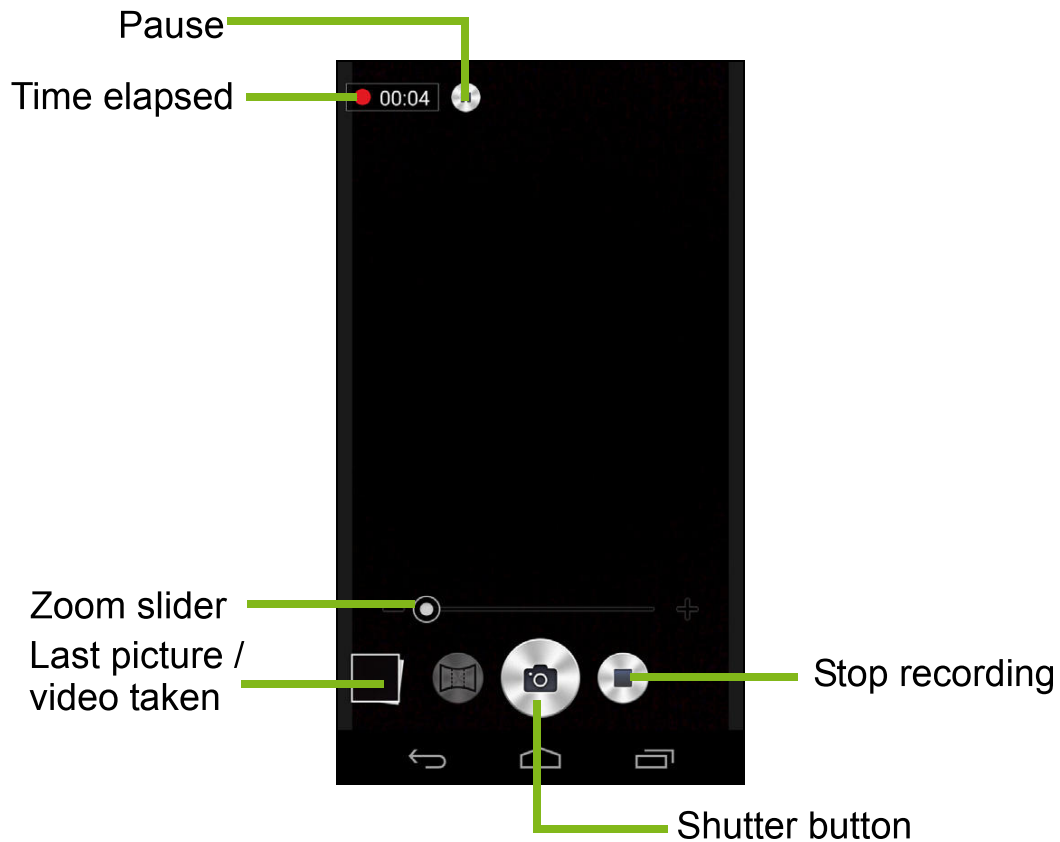
Camera/camcorder icons and indicators



The camera window provides multiple controls on the image screen. Tap the area of the image you want to be the point of focus for the auto-focus lens (only available on the rear camera). Zoom in or zoom out using the zoom slider.

Tap the **Shutter** button or press the **volume** key to take a picture. Tap the thumbnail in the bottom-right corner to open the gallery. Tap the flash button to cycle the settings between *off*, *automatic*, and *on*.

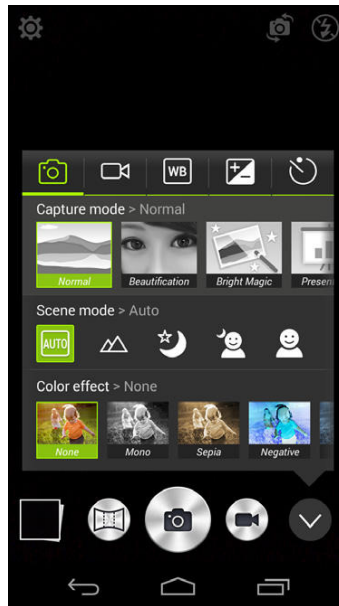
Tap the **Camcorder** button and the camcorder immediately begins filming. While filming, you are unable to access camera/camcorder settings; however, you can still take pictures.



Tap the **Pause** button to temporarily stop recording and tap it again to restart recording. Tap the red **Stop recording** button to stop filming.

Mode selector

Tap the *Mode selector* icon to open the list of modes you can choose from. Tap the icons along the top to select different items.



Camera

Capture mode: Select a capture mode.

Normal	Multi angle view
Beautification	ASD
Bright Magic	Smile Shutter
Presentation	AEB
HDR	Live Photo
Panorama	Best Shot

Color effect: Applies a color effect to the image.

None	Negative
Mono	Aqua
Sepia	

Scene mode: Adjust photo parameters for a particular environment.

Auto	Night portrait
Landscape	Portrait
Night	

Camcorder

Record mode: Select from *Normal* or *Time lapse*.

White balance

Compensate for different lighting environments.

Auto	Cloudy
Incandescent	Twilight
Daylight	Shade
Fluorescent	Warm fluourescent

Image properties

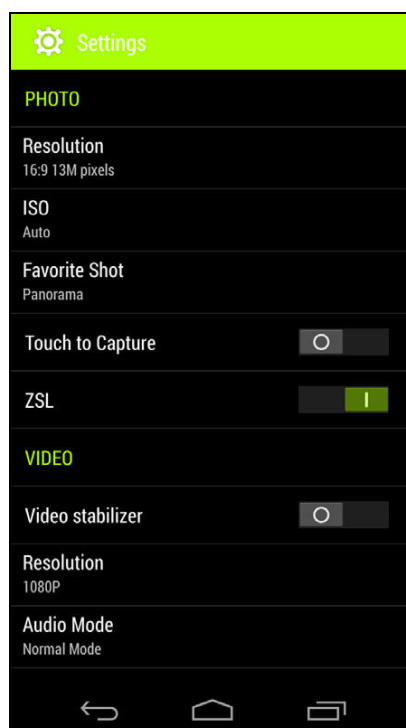
Adjust the Sharpness, Hue, Saturation, Brightness, and Contrast.

Self-timer

Set the delay before the shutter is activated.

Settings

Tap the *Settings* icon to open the settings menu; scroll up or down the list to view more settings



Photo

You may adjust the following:

- **Resolution:** Set the picture resolution.
- Set a mode as your Favorite Shot.
- Turn **Touch to Capture** on or off: If enabled, the camera will focus on the spot where you tap and automatically take the photo.
- Turn **ZSL** (zero shutter lag) on or off: If enabled, the camera takes the photo immediately when you tap the shutter button.

Video

You may adjust the following:

- Turn **Video stabilizer** on or off.
- Set the Resolution.
- Set the **Audio mode**.

Other



Note

Some of the following settings are not available for the front camera.

You may adjust the following:

- Turn GPS **Location** info on or off: Stores GPS information in the image information.
- **Grid:** Turn the composition grid on or off.
- **Storage:** Choose between *Internal storage* and *SD card*.
- **Reset to default.**

Taking a photo

1. Ensure you have adjusted the settings described above.
2. Frame your subject and steady your smartphone.
3. Zoom in or out as needed.
4. Tap the **Shutter** button to take a picture.

Taking a panoramic photo

Panoramic mode allows you to take a series of up to nine photos that the camera app will 'stitch' together to make a single extended image.

1. To take a panoramic photo, select Panorama mode.
2. Align the camera to take a photo of one end of the panoramic scene (the furthest left, right, top or bottom).
3. Press the camera button to take the first image; then slowly and smoothly turn the camera to the other end of the image.
 - Two lines display on the screen: a flashing white line and a solid blue line. As you move the camera, align the blue line to the unmoving white line.



Note

If your photo needs fewer than nine images, tap the tick icon to stop the selection process and process the captured images.

Panoramic images work best with static outdoor scenes. Objects too close to the camera or large straight edges may confuse the detection process.

The camera app will process the images and save a single extended image to your smartphone's gallery.

Shooting a video

1. Frame your subject and steady your smartphone and zoom in or out as needed.
2. Tap the **Camcorder** button to start taking a video. The icon will turn red to indicate that recording is in progress. Tap the icon again to stop recording.

Supported formats



Note

To see supported image, video, and audio formats, see **Multimedia on page 72**.

Viewing photos and videos

After you have taken your photo or video, it is automatically saved. Once you have taken a photo or video, you can view it in Gallery by tapping the thumbnail in the corner of the image screen. Alternatively, open the *Apps menu* and tap **Gallery**. From Gallery you can share the file directly using various services. Services vary depending on the file type.

You may also edit individual photos you have taken by tapping the pencil icon in the lower left-hand corner of the screen.

Geotagging

Geotagging allows you to store the location where a photo or video was taken right in the photo or video itself.

For the geotag to display, pictures must be taken with **GPS location info** turned on.

ADVANCED SETTINGS

Putting your smartphone in Airplane mode

You can enable Airplane mode (also known as flight mode) to turn off telephone and Bluetooth functions and use your smartphone as a handheld device during a flight. Check with your airline to make sure this is permitted onboard.

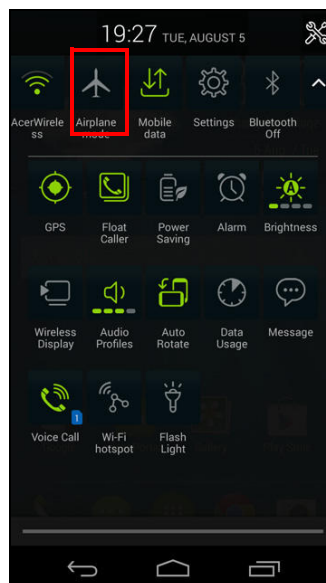
Switch your smartphone off during takeoff and landing as it may interfere with aircraft electronic systems.

Turning Airplane mode on or off

1. Open the **Notification** area and tap the grid icon in the upper right-hand corner.

2. Tap  .

AIRPLANE MODE



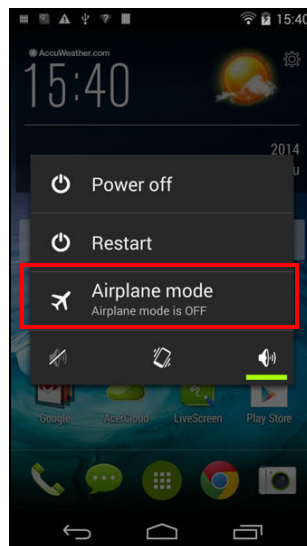
-OR-

1. Press and hold the power button until you get the phone options menu.
2. Tap **Airplane mode** to switch it *ON* or *OFF*.



Note

When Airplane mode is active, the ✈ icon will be displayed in the Notification area.



Restarting your phone

You can restart (reboot) your phone if you find apps are not responding.

1. Press and hold the power button until you get the phone options menu.
2. Tap **Restart**.

Adjusting settings

Activating or deactivating connections

Open the *Apps menu* and tap **Settings** to manage your connection settings.

Item	Description
SIM management	Set a default SIM for particular functions (such as voice calling or messaging), turn the data connection on or off, set roaming preferences and associate contacts with a SIM.
Wi-Fi	Turn the Wi-Fi function on or off.
Bluetooth	Turn the Bluetooth function on or off.
Data usage	View an estimate of the mobile data used for each SIM.
Call Settings	Change Voice Call settings. Change Internet Call settings. Adjust Other settings. Turn Float Caller on or off. Set Proximity Sensor. Turn Flip Mute on or off.

Item	Description
More...	Access additional connection settings: Airplane mode: Disable all wireless connections so you can safely use this device onboard an aircraft. Default SMS app: Choose which app serves as the default SMS app. Tethering & portable hotspot: Share your phone's mobile data connection via USB or as a portable Wi-Fi hotspot. VPN: Set up and manage Virtual Private Networks. Mobile networks: Set your options for connecting to mobile networks. USB Internet: Share your computer's internet connection via a USB cable. See Internet sharing on page 51.

If your phone is in Airplane mode, the option to turn Bluetooth on will be disabled. Please refer to **Putting your smartphone in Airplane mode on page 47** for instructions on turning Airplane mode on or off.

Adjusting Bluetooth settings

You can use Bluetooth to exchange information between your smartphone and other mobile devices.

Bluetooth connections

For all Bluetooth settings, open the *Apps menu* and tap **Settings > Bluetooth**. Here you can switch Bluetooth on or off, set a device name and discoverability. Tap **SEARCH FOR DEVICES** to scan for available devices.

To connect to a device, tap the device in the list of available devices. You may be asked to enter a PIN on both devices to establish the connection.

To simply turn on or off Bluetooth, open the **Notification** area and tap the **Bluetooth** button.

Internet sharing

Tethering via USB

If you wish to share your mobile internet connection with a computer, you can connect your phone to a PC using the supplied USB cable.

1. Plug the USB sync cable into the micro USB connector on your smartphone.
2. Plug the USB client connector into an available USB port on your computer.
3. Push the **Menu** button and then tap **Settings** > **More..** > **USB Internet**.

Wi-Fi hotspot

You can turn your smartphone into a portable Wi-Fi hotspot to share your mobile internet connection with up to 8 clients.

1. Push the **Menu** button and then tap **Settings** > **More...** > **Tethering & portable hotspot**. Turn *Wi-Fi hotspot* **ON**. Tap **Wi-Fi hotspot** > **Set up Wi-Fi hotspot**.
2. Set the Network SSID and adjust security between None and WPA2 PSK. Tap **Save** to finish.



Note

When your smartphone is serving as a Wi-Fi hotspot, you can't use your phone's apps to access the internet via its Wi-Fi connection.

Phone network settings

In the *Apps menu* tap **Settings** > **More...** > **Mobile networks** to adjust your network settings. You can turn data connection on or off when roaming, choose a preferred network mode, specify a network operator and define access point names.

Selecting a network

Your phone will automatically detect your carrier/network settings when you insert a new SIM card. However, you may prefer to manually select a network. This may be a good idea when roaming.



Note

When you are traveling, manually selecting a network may help to reduce your roaming charges. Check with your home service provider for the network offering the most competitive rates at your destination.

1. Open the *Apps menu* and tap **Settings** > **More...** > **Mobile networks** > **Network operators** > **Select Manually**.
2. Your phone will search for available networks.
3. Select your preferred network from the list generated. Your phone will attempt to register on the selected network.
4. Tap **Select automatically** to connect to the available network with the strongest signal. This may lead to your phone jumping between networks when you move around.



Note

Contact your service provider should you have any problems obtaining voice mail and the text message service center numbers.

Data usage control settings

Data usage controls let you monitor total usage by network type and app and then set limits if needed.

Ensure Wi-Fi or mobile data is enabled before setting a limit. Access data usage settings from the *Apps menu* by tapping **Settings** > **Data usage**.

Phone settings

Many phone settings are automatically configured by your smartphone when you insert a SIM card. The device will communicate with your provider and automatically obtain all necessary settings, such as network name, voice mail and text message center numbers.

You can also view and modify these settings manually through the Call settings screen.

From the *Apps menu*, tap **Settings**, then tap **More...** under **WIRELESS & NETWORKS**, then tap **Call settings**.

Sound

To adjust your phone's sound settings, in the *Apps menu* tap **Settings** > **Sound**.

Item	Description
Vibrate	Vibrates the device for incoming calls.
Volumes	Adjust the <i>Ringtone</i> , <i>Notifications</i> , and <i>Alarm</i> volumes.
Phone ringtone	Sets your default voice calls ringtone.
Default notification	Set your phone's default notification sound.
Dial pad touch tones	Play tones when using dial pad.
Touch sounds	Play sounds when touching certain UI elements.
Screen lock sound	Play sound when locking and unlocking the screen.
Vibrate on touch	Vibrate when pressing soft keys and on certain UI interactions.

Adjusting the volume

Adjust the volume of your phone using the volume button on the side of the phone. Alternatively, you can set the Ringtone, Notifications, and Alarms volume by opening the *Apps menu* and tapping **Settings** > **Sound** > **Volumes**.

Audio profiles

To adjust your phone's sound settings, in the *Apps menu* tap **Settings** > **Audio profiles**. Choose from *General*, *Silent*, *Meeting*, or *Outdoor*.

Display

To adjust your phone's display settings, in the *Apps menu* tap **Settings > Display**.

Item	Description
Theme	Change the <i>Home screen's</i> theme.
Brightness	Adjust screen brightness.
Auto-rotate screen	Enable rotation of the screen when device is tilted.
Sleep	Adjust the delay before the screen automatically turns off.
Daydream	Controls what happens when the phone is docked and/or sleeping.
Font size	Change the default font size for the UI.
Wireless Display	Mirrors your phone's display on a compatible monitor or display. <i>Pairing your phone to the display is required before use and may require a dongle. See the instructions that came with your display or dongle to pair.</i>

Setting the date and time

To set the date and time, open the *Apps menu* and tap **Settings > Date & time**.

If you travel frequently or live in an area that uses daylight saving time, activate **Automatic date & time > Use network-provided time** from this menu. This will enable your smartphone to set the date and time based on information it receives from the network.

Setting alarms

There are two predefined alarms on your phone by default. Tap **Clock** in the *Apps menu*, and then tap  to edit alarm settings. You may:

- Turn the alarm on or off.
- Set the alarm time.
- Set which days to repeat the alarm.

- Set a ringtone.
- Enable or disable vibrate.
- Give it a label.

Changing language and text options

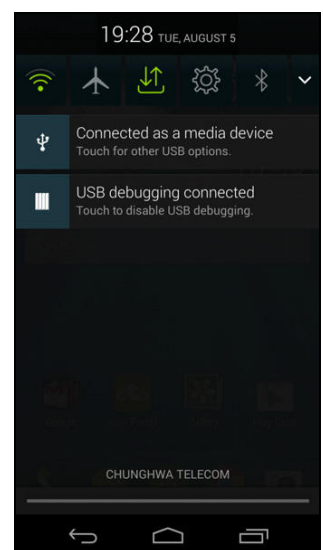
Set your location and language input preferences by opening the *Apps menu* and going to **Settings** > **Language & input**.

Connecting to a PC

If you wish to transfer information between your device and your computer (either the microSD card in your device or the device's internal memory), you can connect your device to a PC using the supplied USB cable.

1. Plug the USB sync cable into the micro USB connector on your phone.
2. Plug the USB client connector into an available USB port on your computer.
3. Open the notification area and tap **Connected as a media device** to choose whether to connect as a Media device (MTP) (the default option) or Camera (PTP).

Your device will now be available as a drive in your computer's file explorer.



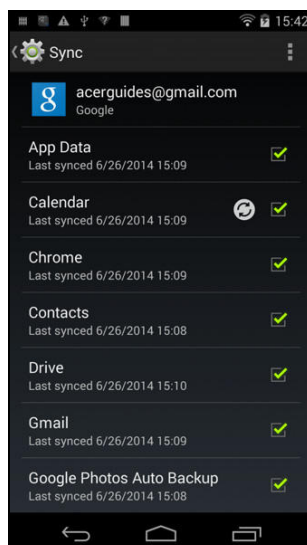
Note

After turning on USB storage, you will not be able to access the files in the microSD card or apps such as Gallery or Music.

Synchronization

You can sync your calendar, email and contacts on your phone and never worry about losing them again. Sync in real time or adjust it as you please. In the *Apps menu*, tap **Settings**. Under ACCOUNTS, tap

the appropriate account and again under **ACCOUNTS** tap that account's email address to access the synchronization settings.



To add a new account, tap **Add account**. Select the type of account and then follow the onscreen instructions.

Google Sync

In Google, you can set synchronization for Google services. In your Google account's synchronization settings menu, tap the checkmark next to the item you would like to have auto-sync. Tap again to uncheck any for manual synchronization.

To manually synchronize an item, make sure the item is checked, tap the **Menu** button and then tap **Sync now**.



Note

You need a Google account to sync your calendar and appointments.

FM radio

The FM radio allows you to listen to your favorite stations while on the move. Headphones must be inserted to the 3.5 mm jack as the cable functions as an antenna.

You can access the radio by tapping **FM Radio** from the *Apps menu*.

Tap the back icon to turn the radio off.



Applications (apps)

Closing an app

To close an active app, in the *Apps menu* tap **Settings > Apps**. Swipe over to the **Running** tab, then tap the program you wish to close. Select **Stop** to close the program.

Uninstalling an app

You can remove programs installed on your smartphone to free up extra storage memory.

1. In the *Apps menu* tap **Settings > Apps**.
2. Swipe over to the **Downloaded** tab.
3. Find the app in the list and tap on it.
4. Tap the **Uninstall** button and then tap **OK**.



Important

You should only remove programs if you are familiar with the Android operating system.

Restoring to factory settings

You may perform a clean boot to restore your smartphone to the factory settings. Before performing a clean boot, ensure that your

smartphone is not locked. Press any key or tap the screen to see if the phone responds.



Important

You should only perform a clean boot when all other options have failed to restore your smartphone to an operational state.

This will erase all your personal information, any contacts stored on your phone and any programs you installed.

If your phone is responding to screen input, then open **Settings** from the *Apps menu*. Tap **Backup & reset** > **Factory data reset** > **Reset phone** and then **Erase everything** to format your phone.

ACCESSORIES AND TIPS

This chapter shows you how to use accessories with your smartphone, as well as provide useful tips for when you are using your smartphone.

Using the headset

Your smartphone is compatible with headsets with built-in microphone for handsfree use when making calls.

To use the headset, plug it into the 3.5 mm headphone jack at the top of the phone.

When the headset is plugged in, all audio is routed to the headset, and the speakers are turned off.

- To answer an incoming call, press the button on the microphone.
- Adjust the volume using the volume up/down button on the smartphone.
- End the call by pressing the button again.

Using a Bluetooth headset

Your smartphone's Bluetooth functions make it fully compatible with all Bluetooth headsets. This allows you to use the unit handsfree when making calls, without the inconvenience of wires.

Creating a new access point

When you need to add another GPRS/3G/EDGE connection on your phone, obtain the access point name and settings (including username and password if required) from your wireless service provider.

1. Open the *Apps menu* and tap **Settings** > **More...** > **Mobile networks** > **Access Point Names**, and select an operator.
2. Tap the **Menu** button and then tap **New APN**.
3. Enter the APN settings. Tap an item to adjust it.

4. When you have finished tap the **Menu** button and then tap **Save**.



Important

Some providers and countries do not allow the use of a smartphone as a modem over HSDPA. Please check with your provider before attempting to do so.

Inserting a microSD card

Your smartphone features a memory expansion slot that accepts a microSD card to expand memory and storage capacity.

Please refer to [Installing a SIM or microSD card on page 7](#) for instructions on installing a microSD card.

MANAGING YOUR SIM CARDS



Note

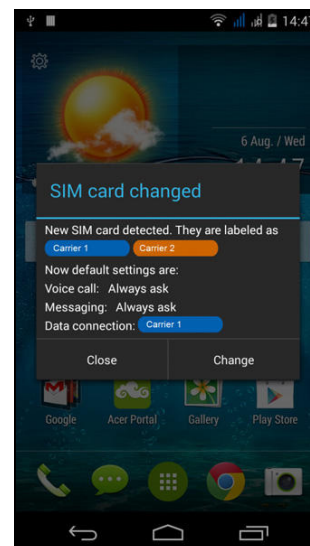
This chapter is for models with more than one SIM card.

If your phone detects a new SIM card, you will be asked to confirm the preferred SIM to use for each action.

It indicates the following information:

1. The color used for each SIM card and its network name.
- The preferred SIM for outgoing calls.
- The preferred SIM for sending messages.
- The preferred SIM for 3G data.

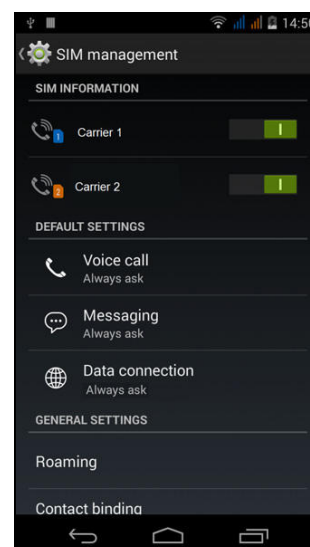
Tap **Change** to edit these settings from the *SIM Management* screen. You can also access the *SIM Management* functions by opening the *Apps menu* and tapping **Settings > SIM management**.



SIM Management

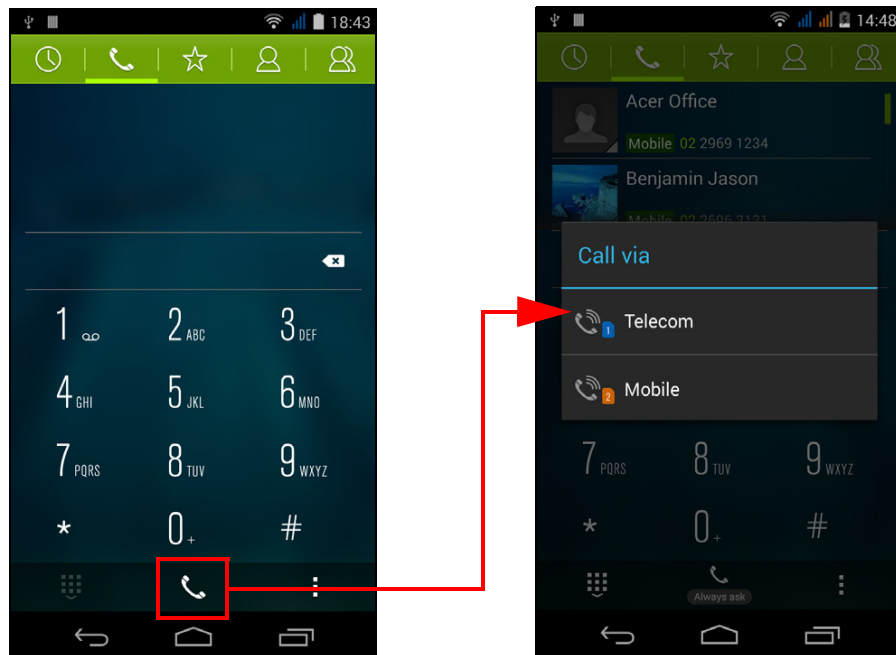
Open the *Apps menu* and tap **Settings > SIM management**. From this screen, you can:

1. Enable or disable each SIM.
2. Configure each SIM's name, phone number, display numbers, and assign a color to each SIM (allowing you to quickly and easily recognize which SIM is active).
3. Set the default SIM for *voice calls*, *messaging*, *data connection*, and *3G service*.
4. General settings for each SIM.



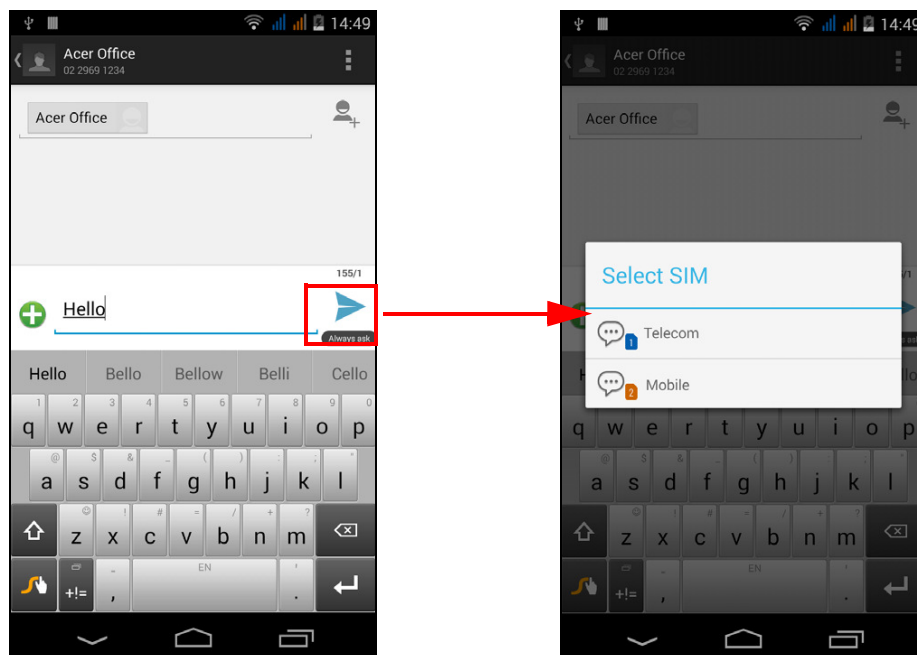
Selecting which SIM to use when making a call

If you have set *Voice call* to **Always ask**, you will be asked which SIM to use each time you make call. Enter the number, then tap . A dialog opens; tap the SIM to use and the call will be connected.



Selecting which SIM to use when sending a text message

If you have set *Messaging* to **Always ask**, you will be asked which SIM to use each time you send a text message. Enter the message and recipient information, then tap **Send**. A dialog opens; tap the SIM to use and the message will be sent.



Identifying calls

Whenever you receive a call, the caller's number will be shown using the color defined for the SIM that the call is being received on. You will also be shown the name of the SIM receiving the call.

In the call log, the name of the SIM will be shown beneath the number of the call -- whether the call was missed, answered or was an outgoing call -- in the color you defined for that SIM.

Limitations when using multiple SIMs

When a SIM is:	Other SIM cannot:
In a call	Dial out
Ringing	Receive a call (caller will get a "number not available" message)
Sending or receiving a message	Send or receive a message
Using a data connection	Use a data connection



Note

If you are using data on one SIM and you make or receive a call, or send or receive a text message on another SIM, the first SIM's data connection will be temporarily halted.

APPENDIX

FAQ and troubleshooting

This section lists frequently asked questions that may arise during the use of your smartphone, and gives easy answers and solutions to these questions.

Aspect	Question	Suggestions
Audio	Why is there no sound coming from the device?	If the headset is plugged into the device, the speaker is automatically shut off. Disconnect the headset. Check that the device volume setting is not muted. Check that the volume control is not at its lowest setting.
	Why can't I view my picture files?	You may be trying to view an image that is not supported. See Multimedia on page 72.
Multimedia files	Why can't I view my video files?	You may be trying to view a video that is not supported. See Multimedia on page 72.
	Why can't I play my music files?	You may be trying to play a file that is not supported. See Multimedia on page 72.

Aspect	Question	Suggestions
Google Play Store	Why can't I connect to the Play Store?	1. First check that you have a Wi-Fi or data connection (some Wi-Fi "hotspots" require you to log in before accessing the internet) and then try again. 2. If you still cannot connect, try adjusting your date/time settings. Open the <i>Apps menu</i> and tap Settings > Date & time > Automatic date & time set to <i>off</i>. 3. Manually adjust the time and then try to reconnect to the Play Store.
System information and performance	How do I check the OS version of my device?	Tap Settings > About phone to check the OS version (Build number) and other hardware and software information.
Power	I can't turn on the device.	The battery power may be depleted. Recharge the device. See Charging the battery on page 6 for more information.
RAM / ROM	How do I check the RAM and ROM memory status?	To check the ROM status, tap Settings > Storage . To check RAM status, tap Settings > APPS > RUNNING .
Internal storage	My device's available internal storage is full or almost full.	Uninstall apps to increase available storage. See Uninstalling an app on page 57 .

Aspect	Question	Suggestions
Unlock pattern	I forgot my unlock pattern.	After a certain number of wrong entries, you will be presented with an option to reset your pattern. Tap Forgot pattern? and enter your Google account username and password. <i>You must have an active Google account on the smartphone.</i> <i>Alternatively, you restore your smartphone to factory settings. See Restoring to factory settings on page 57.</i>
Heat	The phone heats up when charging or making long duration calls.	It is normal for the phone to heat up when charging. When charging is complete, it will return to its normal temperature. It is also normal for the phone to heat up during long periods of use, such as watching a video or a long phone conversation.

Other sources of help

For information on	Refer to ...
Up-to-date information regarding your smartphone	www.acer.com mobile.acer.com
Service enquiries	www.acer.com/support

WARNINGS AND PRECAUTIONS

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use this product when engaging in sporting activities, exercising, or in any vibrating environment which may cause a short circuit or damage, and even a risk of explosion from the battery pack.

Protecting your hearing

To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.

Additional safety information

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

Operating environment



Important

For safety reasons, turn off all wireless or radio transmitting devices when using your smartphone device under the following conditions. These devices may include, but are not limited to: wireless LAN (WLAN), Bluetooth and/or 3G.

Remember to follow any special regulations in force in any area, and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. To successfully transmit data files or messages, this device requires a good quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure that the above separation distance instructions are followed until the transmission is completed. Parts of the device are magnetic. Metallic materials may be attracted to the device, and persons with hearing aids should not hold the device to the ear with the hearing aid. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF transmissions.

Pacemakers. Pacemaker manufacturers recommend that a minimum separation of 15.3 cm (6") be maintained between wireless devices and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should do the following:

- Always keep the device more than 15.3 cm (6") from the pacemaker.

- Not carry the device near your pacemaker when the device is switched on. If you suspect interference, switch off your device, and move it.

Hearing aids. Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, and air bag systems. For more information, check with the manufacturer, or its representative, of your vehicle or any equipment that has been added. Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed, and the air bag inflates, serious injury could result. Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots,

storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmospheres are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

Follow any restrictions. Do not use the device where blasting is in progress.

Emergency calls



Important

Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. Consult this guide or your service provider for more information.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end the call until given permission to do so.

Taking care of your smartphone

1. **DO** take care not to scratch the screen of your smartphone. Keep the screen clean. When working with your smartphone, use your finger or fingernail. Never use an actual pen or pencil or other sharp object on the screen surface.
2. **DO NOT** expose your smartphone to rain or moisture. Do not let water enter the circuitry through the front panel buttons or expansion slots. In general, treat your smartphone as you would a mobile phone or other small electronic device.

3. **DO** be careful not to drop your smartphone or subject it to any strong impact. Do not place your smartphone in your back pocket.
4. **DO NOT** expose your smartphone to extreme temperatures. For example, do not leave your smartphone on the dashboard of a car on a hot day or when temperatures are below freezing point. Also, keep it away from heaters and other sources of heat.
5. **DO NOT** use or store your smartphone in any location that is dusty, damp or wet.
6. **DO** use a soft, damp cloth to clean your smartphone. If the surface of the screen becomes soiled, clean it with a soft cloth moistened with diluted window-cleaning solution.
7. **DO NOT** press down on the screen with force, otherwise you may crack the screen.

Specifications



Note

Specifications may vary depending on region and configuration.

Performance

- 1.3 GHz quad-core processor
- System memory:
 - 1 GB or 2 GB of RAM (depending on model)
 - 8 GB or 16 GB of ROM (depending on model)
- Android operating system

Display

- 5" TFT LCD, capacitive touchscreen
- 1280 x 720 resolution

Multimedia

Formats supported:

Type	Formats
Image	JPEG, GIF, PNG, BMP
Audio playback	MP3, AMR, AAC LC, AAC+, eAAC+, Vorbis, FLAC, MIDI, WAVE
Ringtone	MP3, AMR, AAC LC, AAC+, eAAC+, Vorbis, FLAC, MIDI, WAVE
Video recording	H.263, H.264, MPEG4
Video playback	H.263, H.264, MPEG4, VP8

USB connector

- Micro USB connector
- USB client
- DC power-in (5 V, 2 A)

Connectivity

- Bluetooth 4.0
- IEEE 802.11b/g/n
- * GSM 850 / 900 / 1800 / 1900 MHz
- UMTS 900 / 2100 MHz
- HSPA+ / GPRS / EDGE
- GPS

* Frequencies depend on model.

Camera

- 13 MP rear camera
 - Auto-focus
 - LED flash
- 2 MP front camera
 - Fixed focus

Expansion

- microSD memory card slot (up to 32 GB)

Battery

- 2100 mAh Lithium-ion battery (not user-replaceable)



Note

Length of battery operation will depend on power consumption which is based on system resource use. For example, constantly using the backlight or using power-demanding apps will shorten battery life between charges.

Dimensions

Height	140.5 mm
Width	69 mm
Thickness	7.5 mm
Weight	125 g (with battery)

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