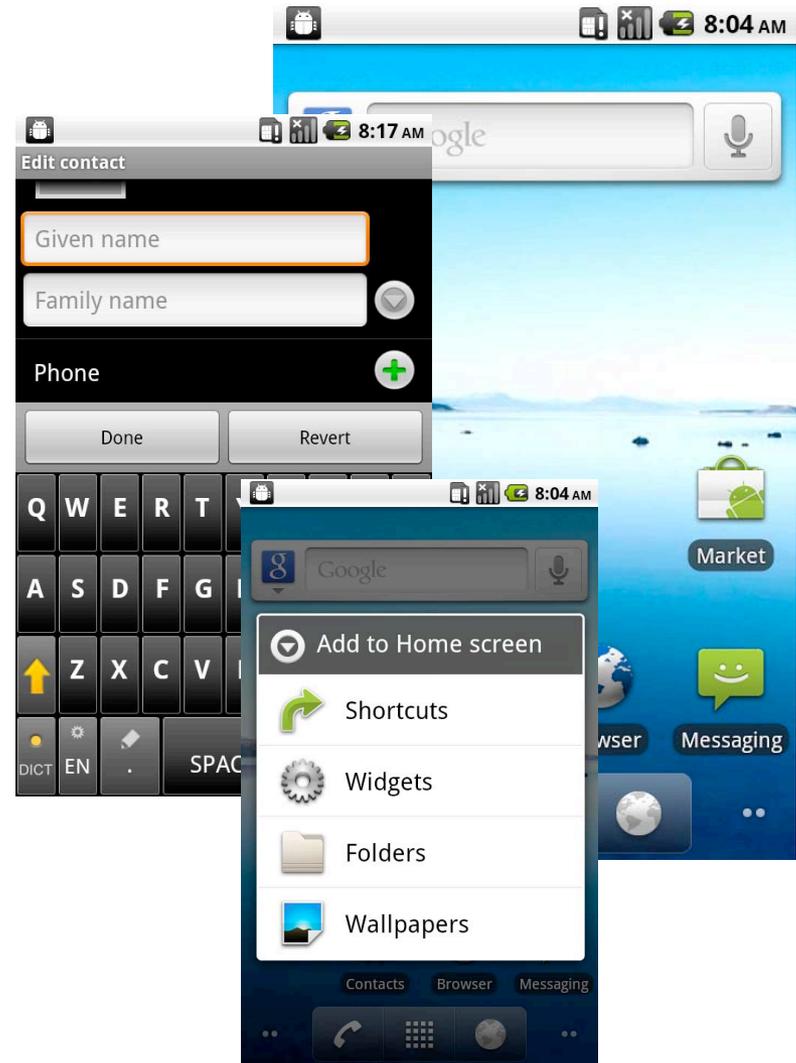




ANDROID: User's Overview and Tutorial





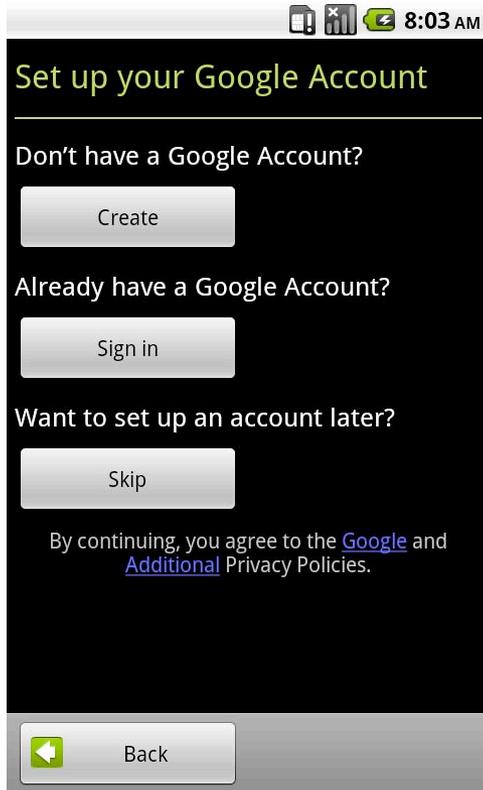
When you power up your Android device for the first time, you will see a Welcome screen.

Touch the Android image to proceed through a brief set-up process.





Android: Log In to Google Account



The first thing you will do is link your device to your Google Account, which is how Android manages your e-mail, contacts and Android Market downloads.

Your Google Account gives you access to other Google Mobile Services, such as Google Maps, Google Talk, Google Books, Google Earth and much more.

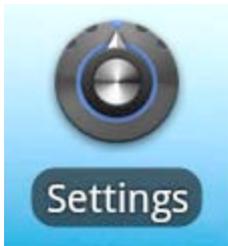
If you do not have a Google account, you will need to create one during the set-up process.



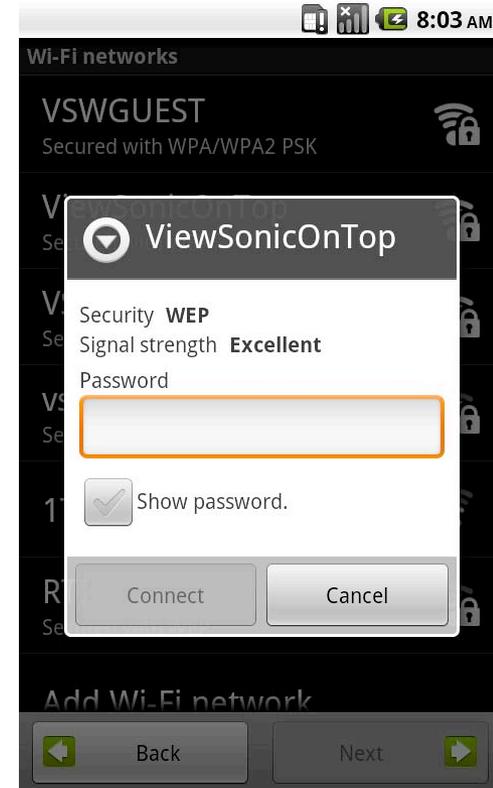
Android: Connect by 3G or WiFi

If you are using a SIM card enabled device, you should be automatically connected to the Internet via your carrier's data connection.

Alternately, you may connect via WiFi. Android will scan for available WiFi connections and connect automatically, or prompt you for a password if required.



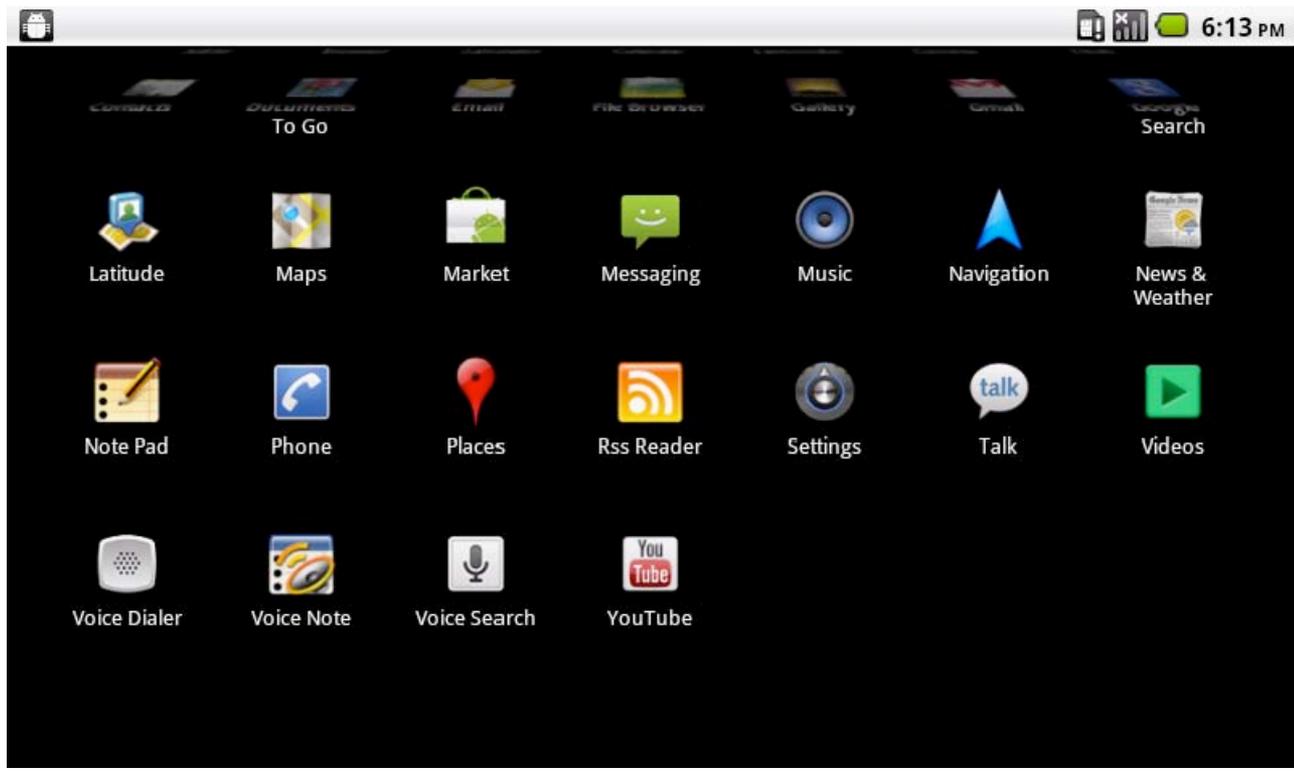
You can also change your connection settings in the Settings application under the Wireless & Network Settings menu.





Android: Connectivity Settings

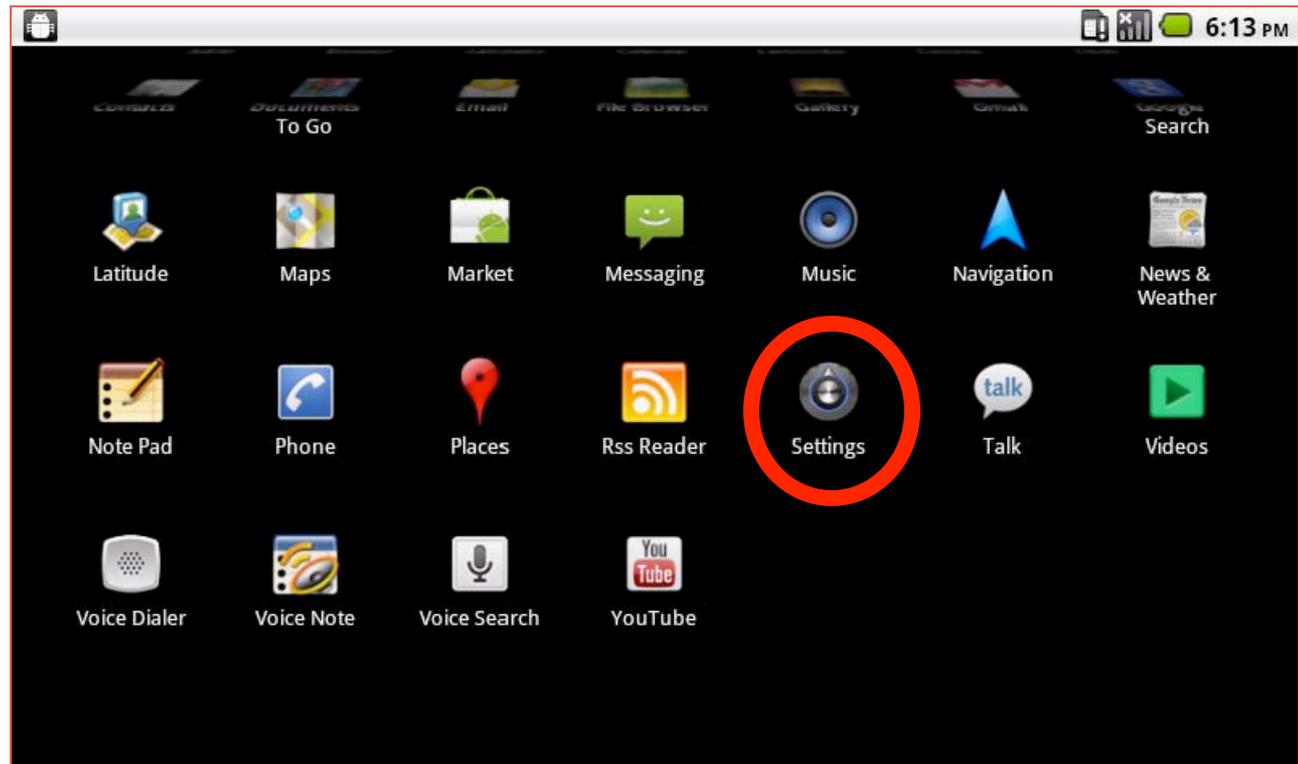
- Let's take a closer look at configuring a wi-fi connection.





Android: Connectivity Settings

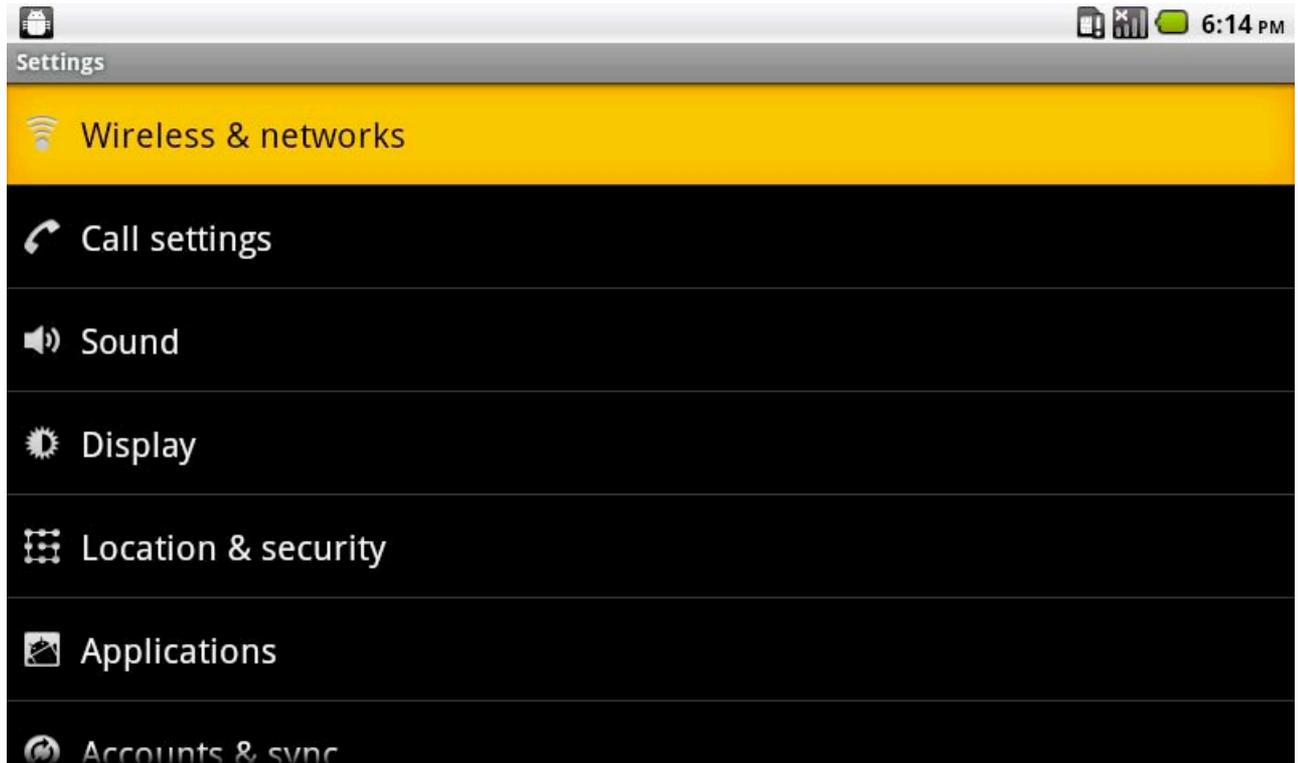
- Let's take a closer look at configuring a wi-fi connection.
- First, open up the app launcher and select Settings.





Android: Connectivity Settings

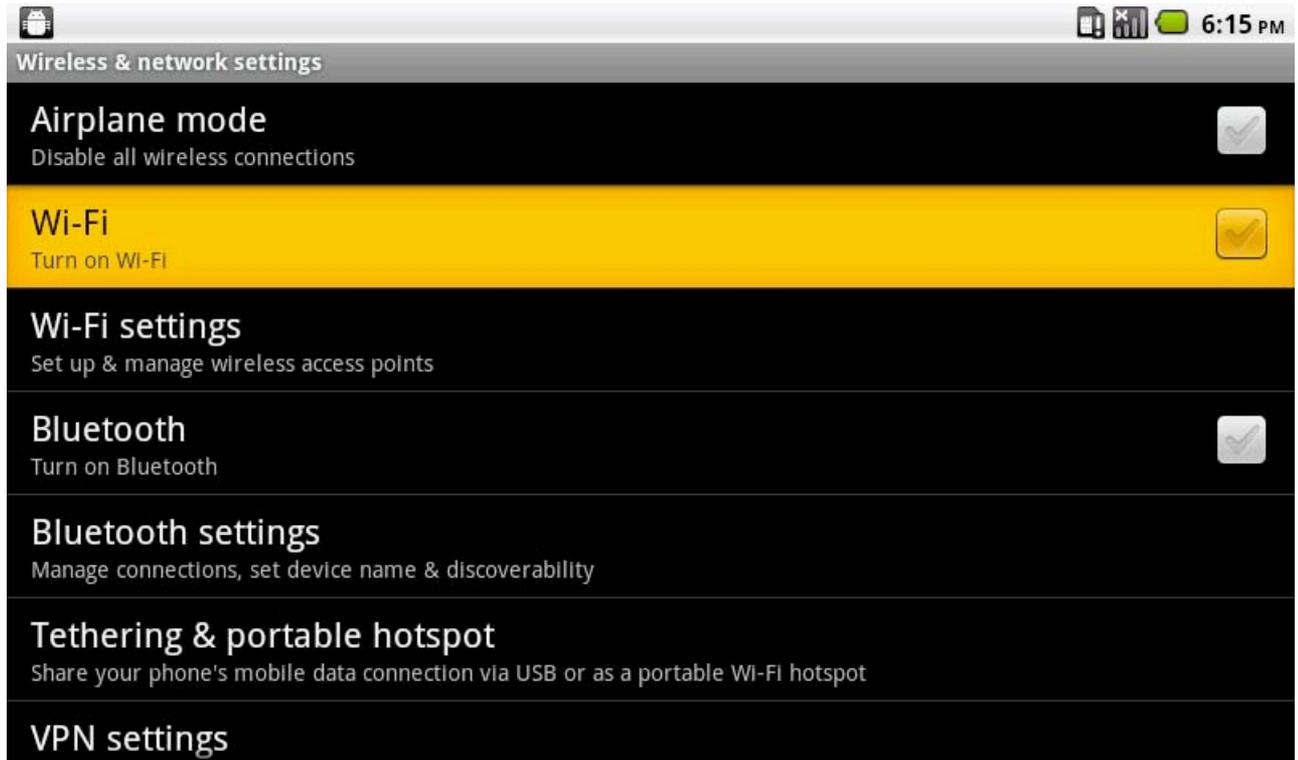
- From the Settings menu, select Wireless & networks.





Android: Connectivity Settings

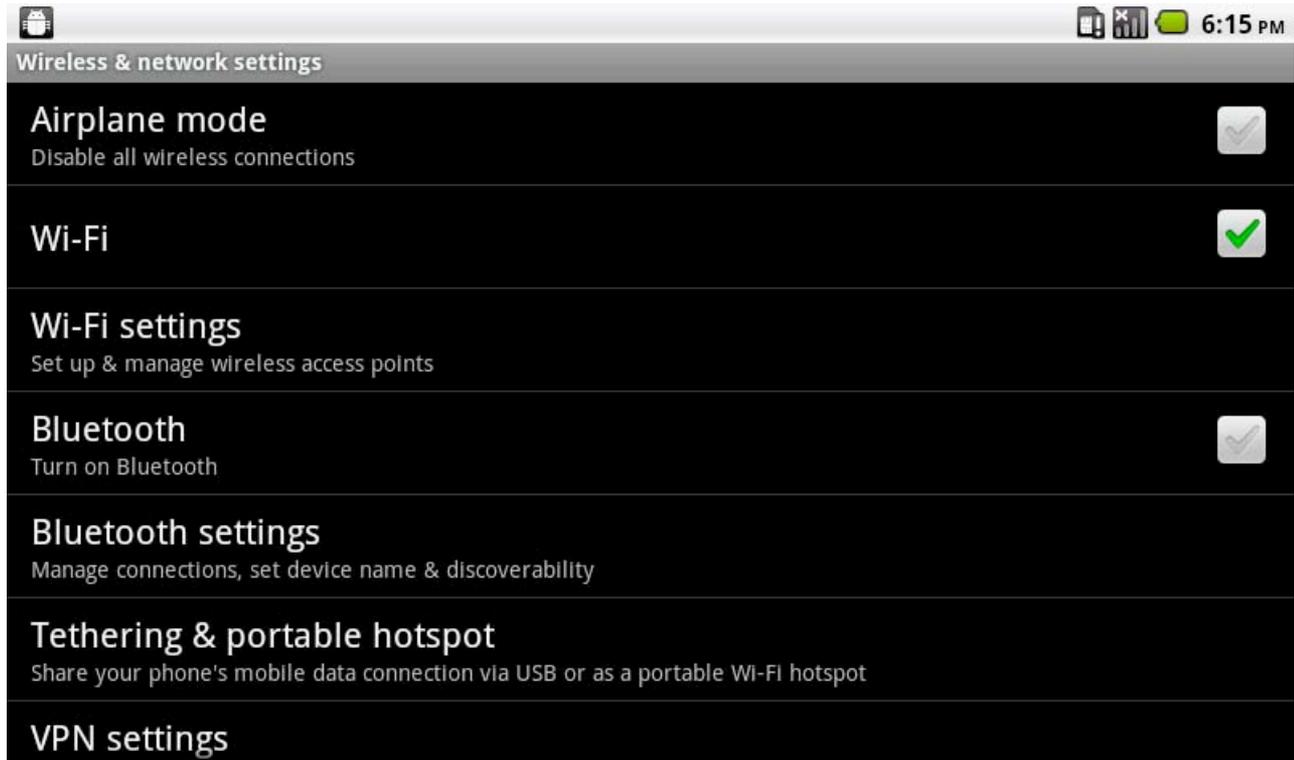
- From the Wireless & networks menu, select Wi-Fi: Turn on Wi-Fi.





Android: Connectivity Settings

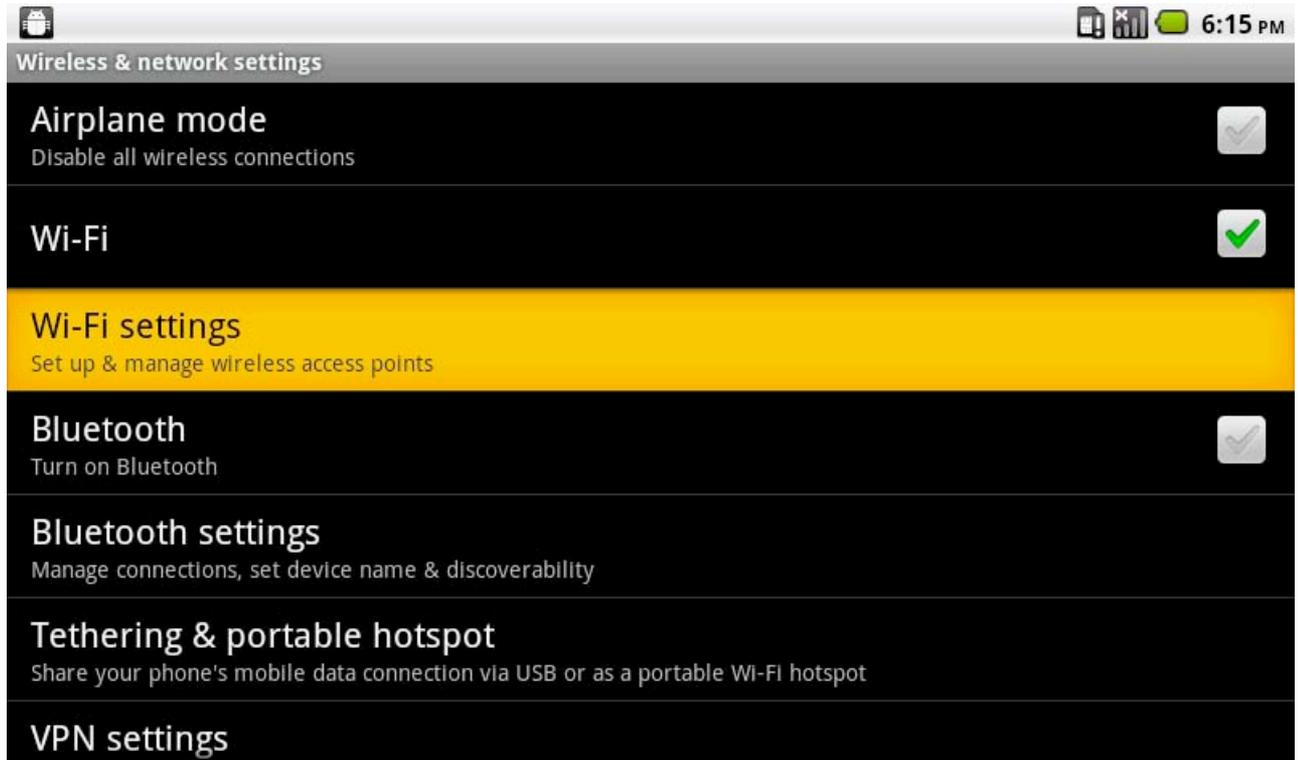
- From the Wireless & networks menu, select Wi-Fi: Turn on Wi-Fi.
- A green check appears when Wi-Fi is turned on.





Android: Connectivity Settings

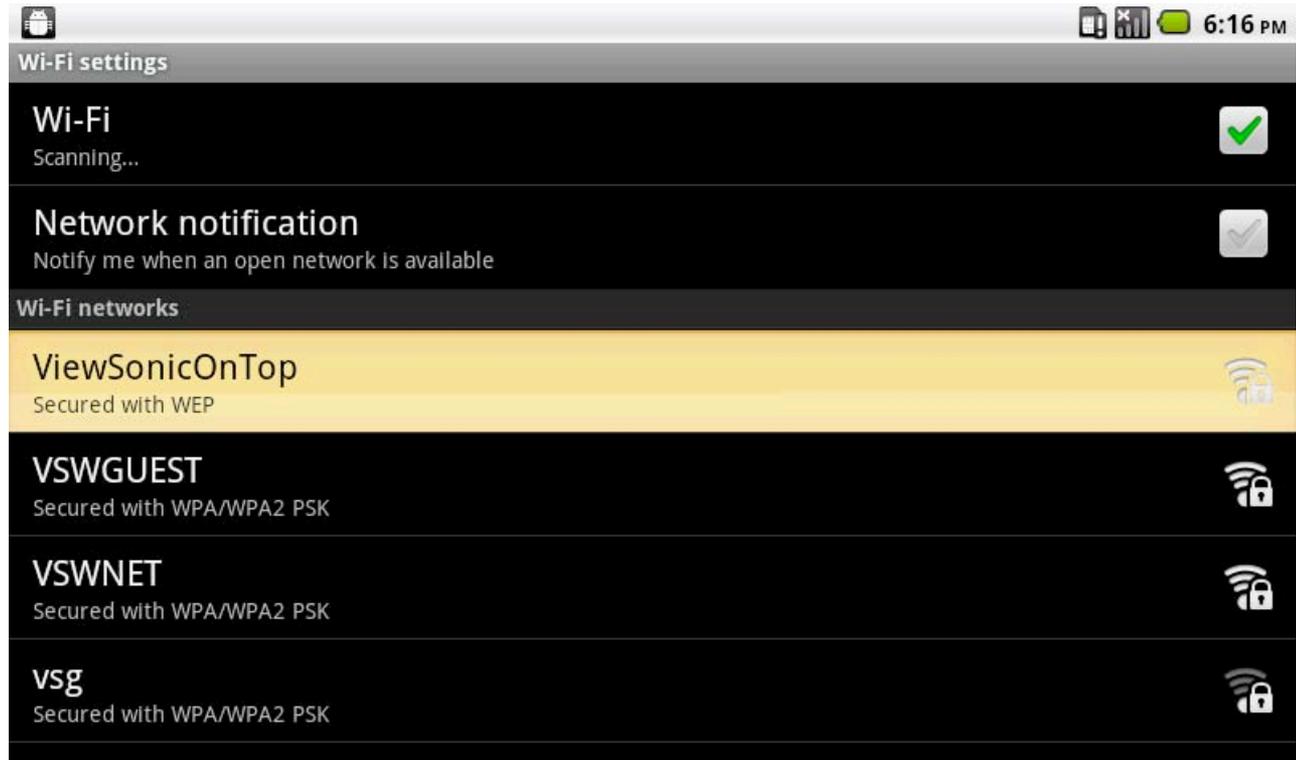
- Now select Wi-Fi settings.





Android: Connectivity Settings

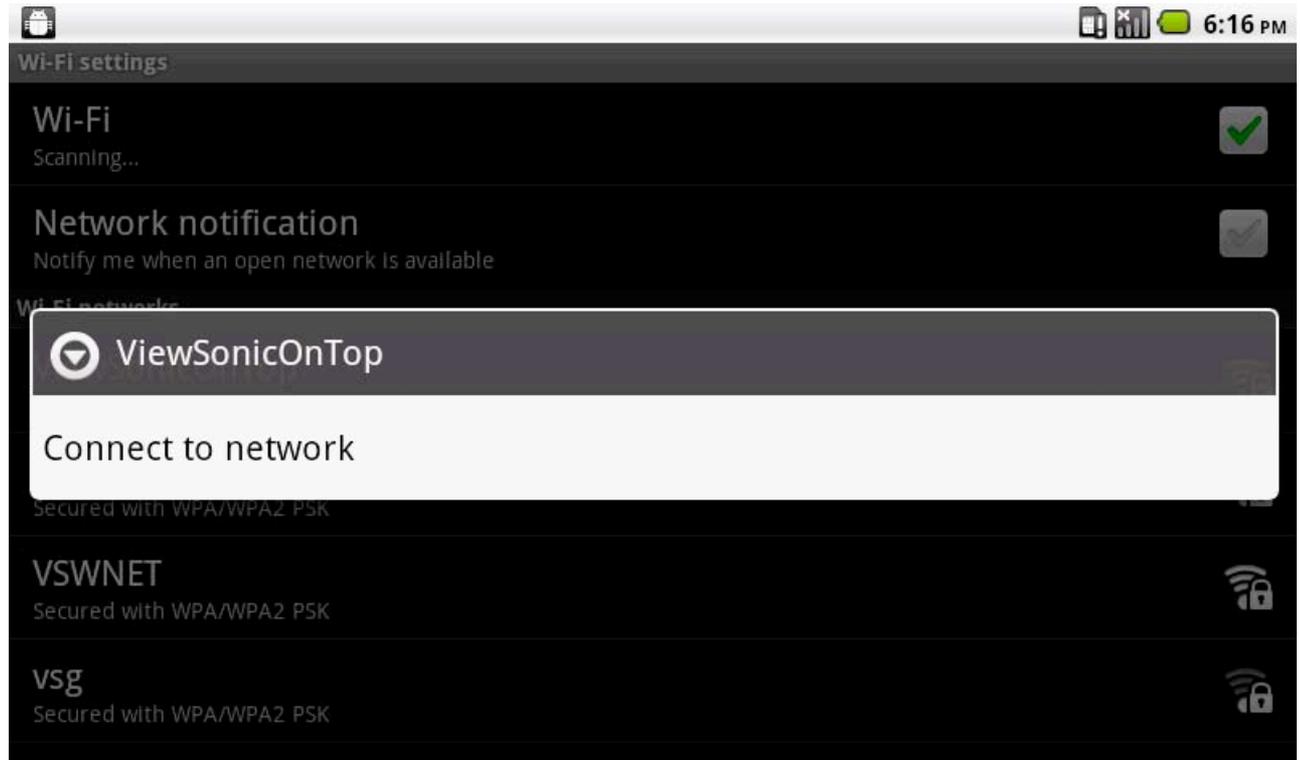
- Your Android device will try to scan for and connect to a network automatically.
- You can select a network from the Wi-Fi settings menu to manually connect.





Android: Connectivity Settings

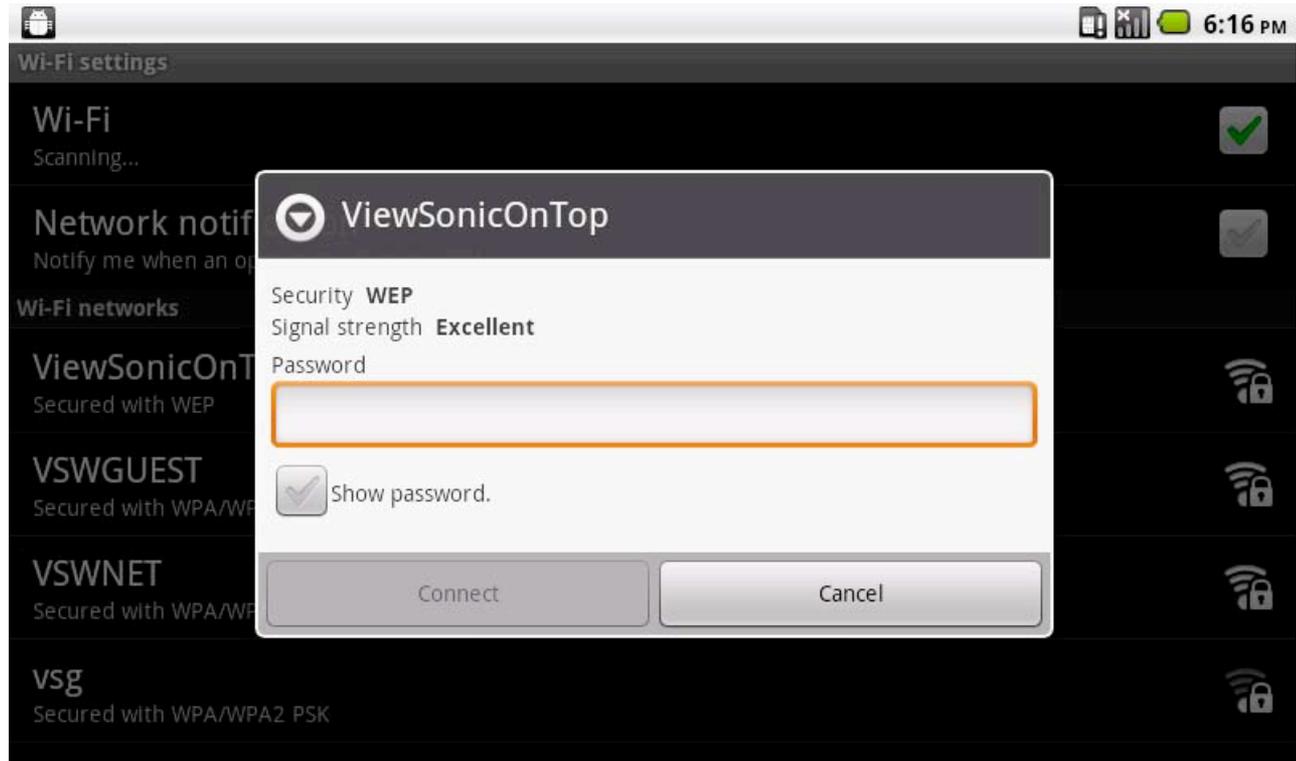
- Your Android device will try to scan for and connect to a network automatically.
- You can select a network from the Wi-Fi settings menu to manually connect.
- Tap the network name and then tap Connect to network.





Android: Connectivity Settings

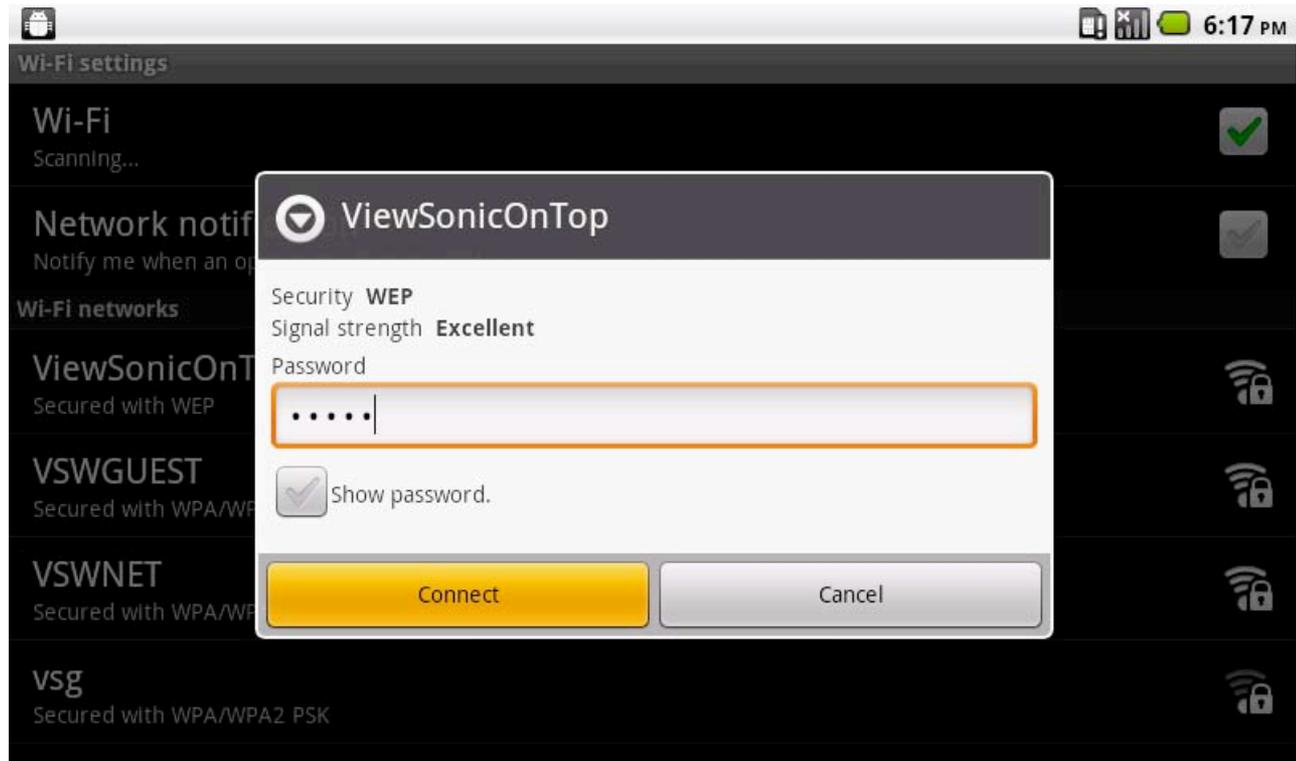
- If required, you will be prompted for a password.





Android: Connectivity Settings

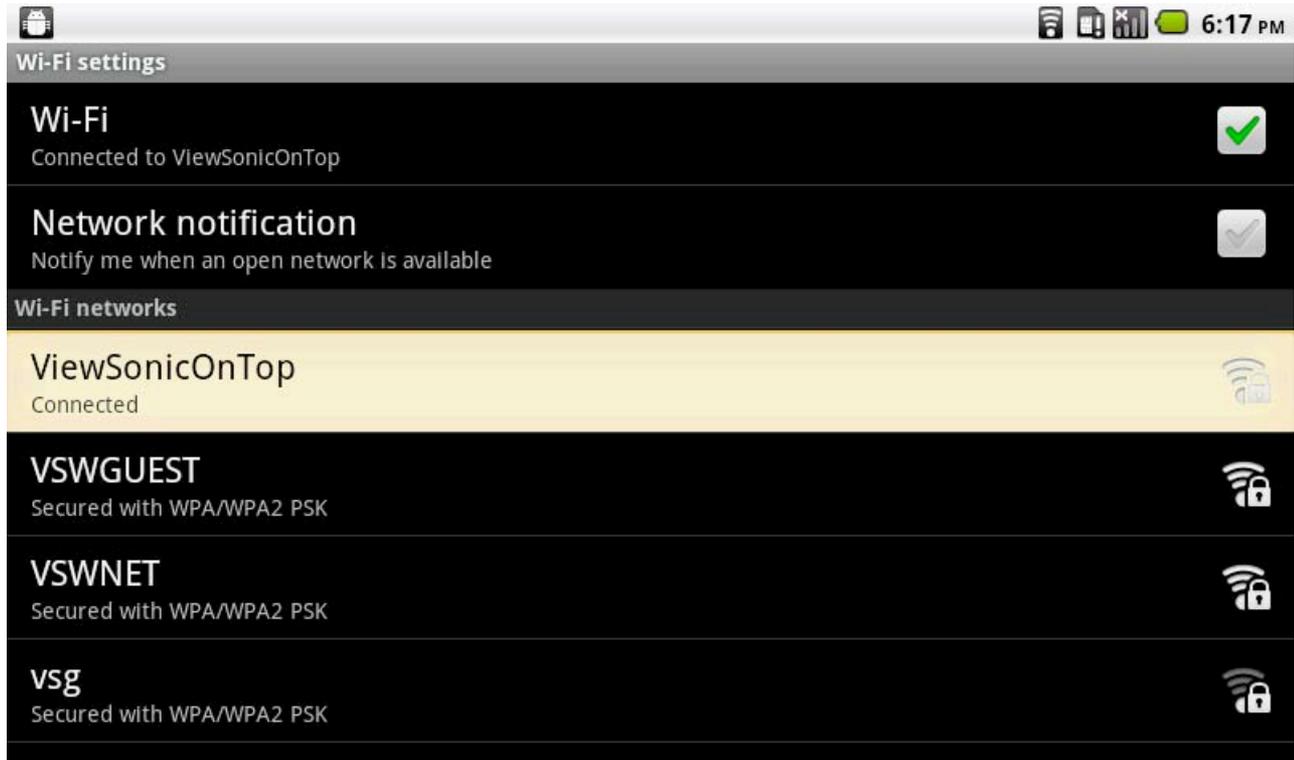
- If required, you will be prompted for a password.
- Enter the network password and tap Connect.





Android: Connectivity Settings

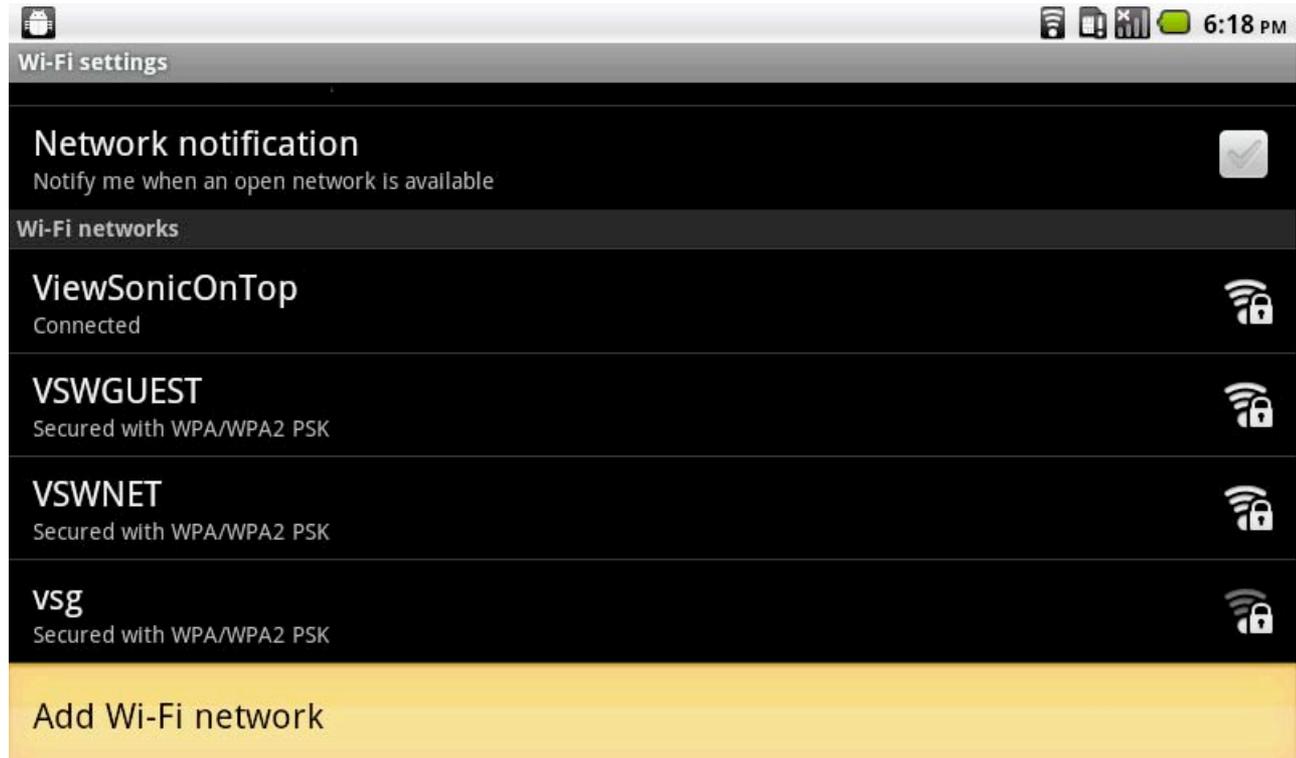
- Now the Wi-Fi settings menu will show that you are connected.





Android: Connectivity Settings

- To add a network that is not automatically detected, select Add Wi-Fi network.
- You will need the name and address of the network you wish to add.





Android Buttons: Navigation

- Before we dig deeper into the Android operating systems, let's take a look at how you can navigate using the built-in buttons. These may appear on screen or on the case of your device.

- The four common buttons you will most likely find on an Android phone or tablet are:



» **Home** – Returns you to the home screen from any other screen.



» **Back** – Returns you to the previous screen or menu. When on the first screen of an app, this will take you back to the Home screen.



» **Search** – Opens a search box into which you can input a search query.



» **Menu** – Within certain apps, opens a menu offering additional options.

- *Please note: the design and placement of buttons will vary by device, and not all devices will have all of these buttons.*



Android Buttons: Volume

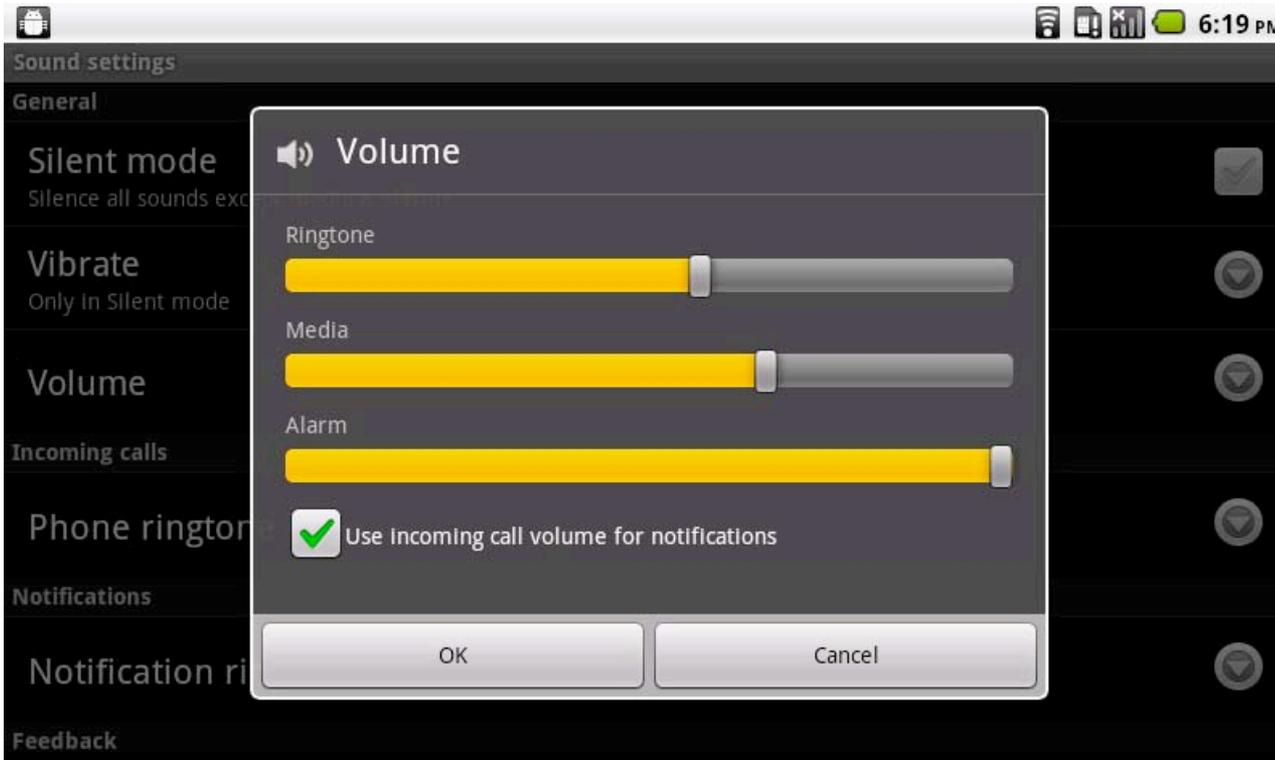
- Most Android devices will also have Volume Up and Down buttons somewhere along the edge of the device.
- On phone-enabled devices, pressing the Volume buttons from the home screen will change the ringer volume.
- Pressing the Volume buttons while in an app will change the “media” volume for music, video, and other application sounds.





Volume Settings

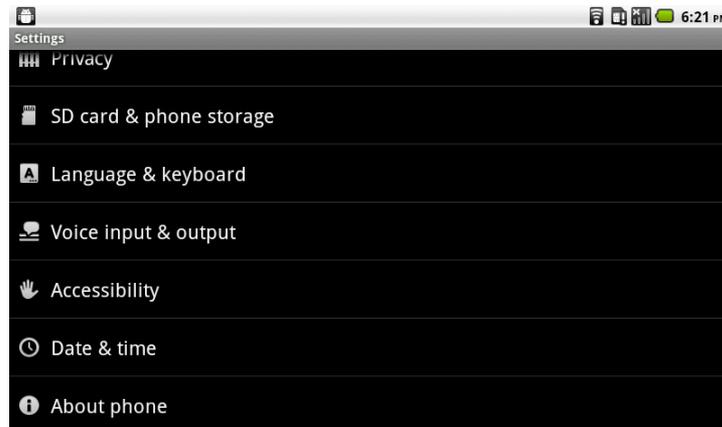
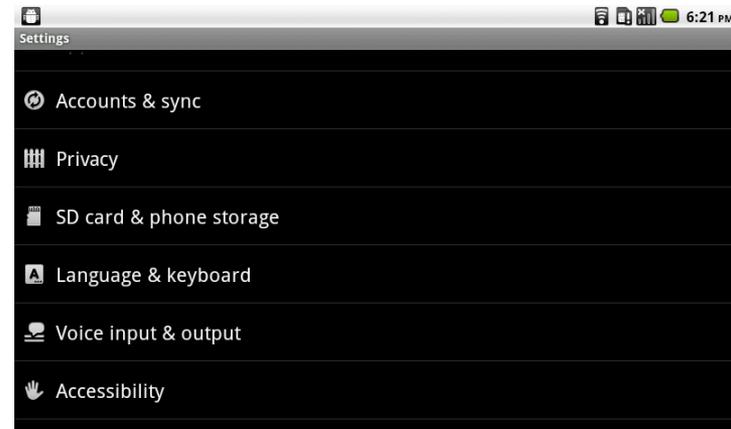
- You can also change your volume from the Settings menu.
 - Select Settings > Sound > Volume
 - You can adjust volume settings for Ringtone, Media and Alarm.





Android Settings

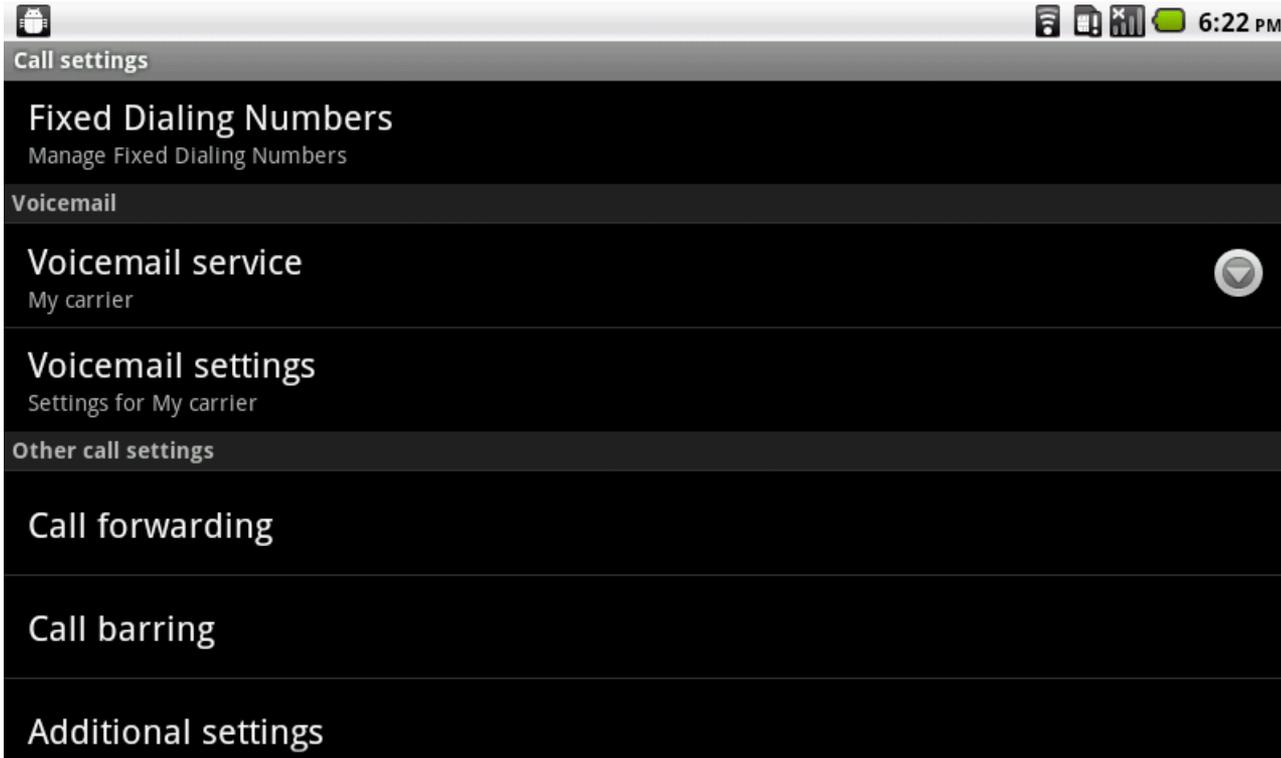
- You have already seen a couple of examples of the Settings menu. From here you can view and change a wide variety options for controlling your Android device, operating system and applications.
 - Scroll up and down to view all available options.





Android Settings

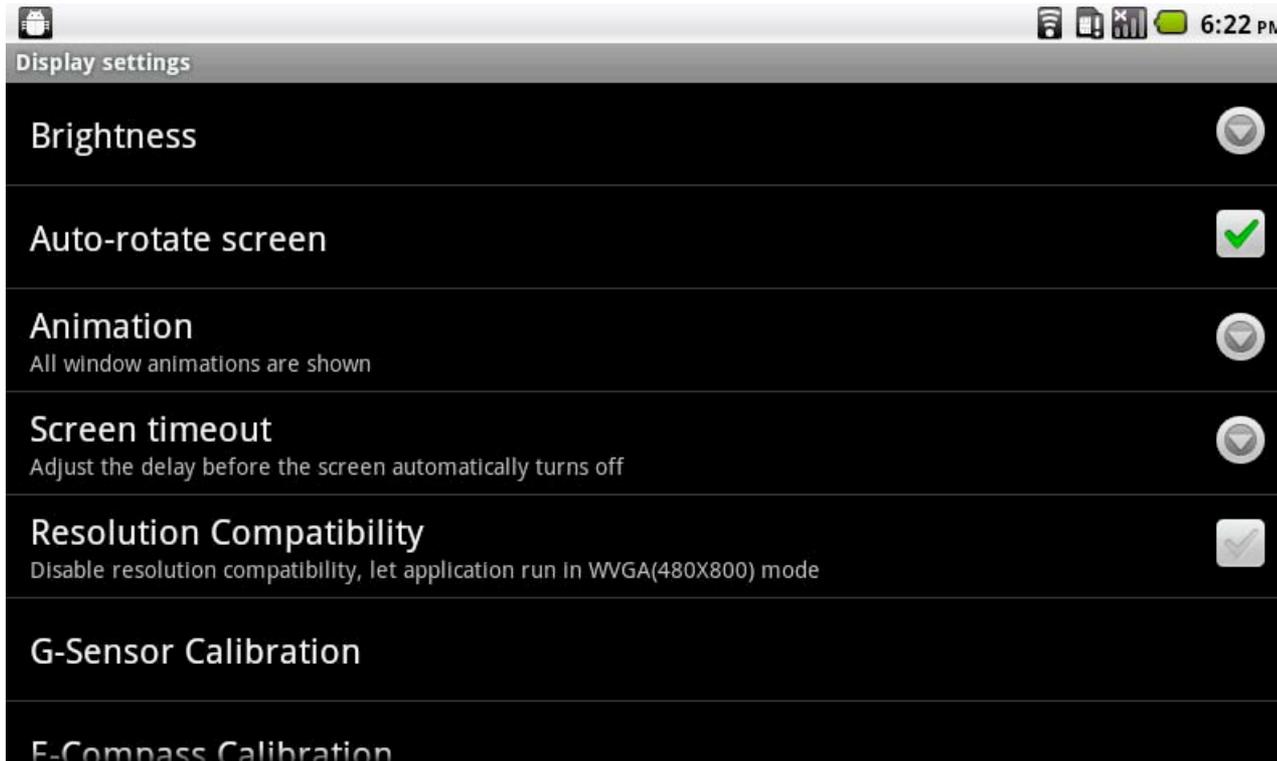
- The Call Settings menu allows you to set various options related to phone functionality. (Only available on phone enabled devices.)





Android Settings

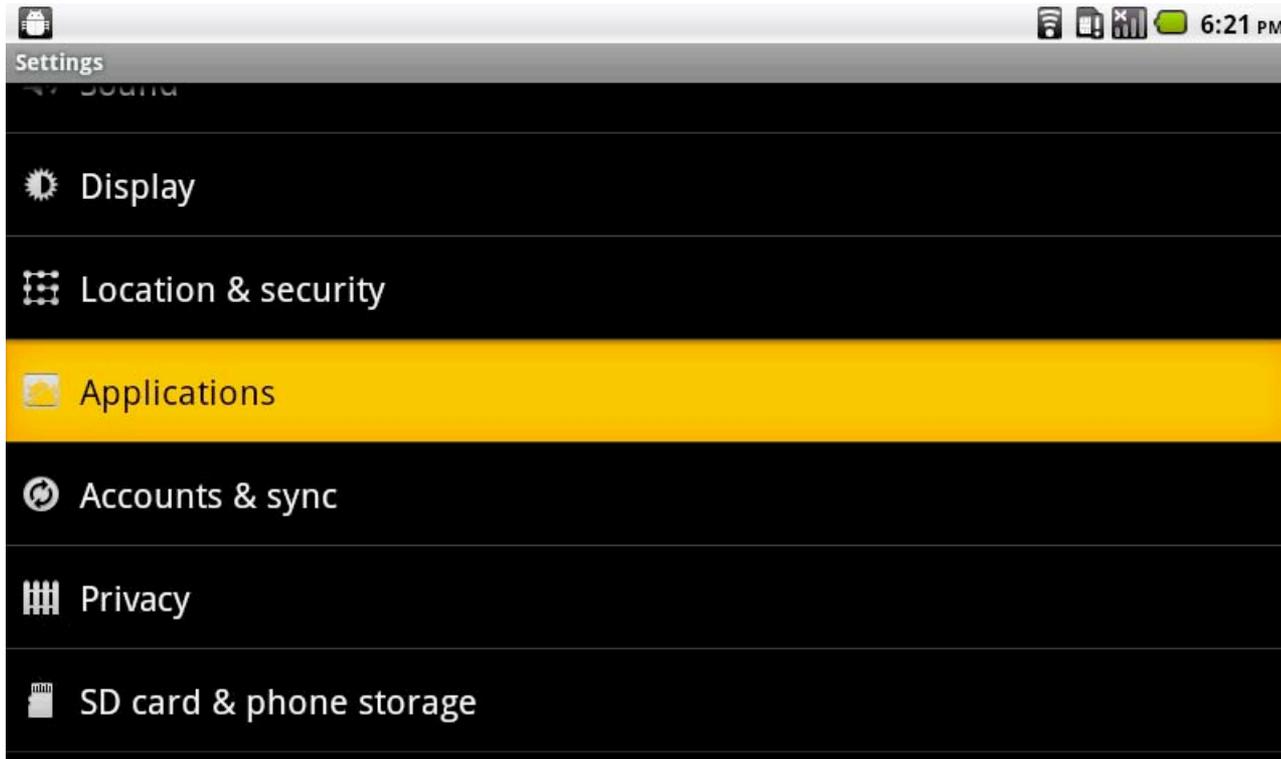
- Display settings allows you to change the brightness, screen timeout, and other display settings.





Android Settings

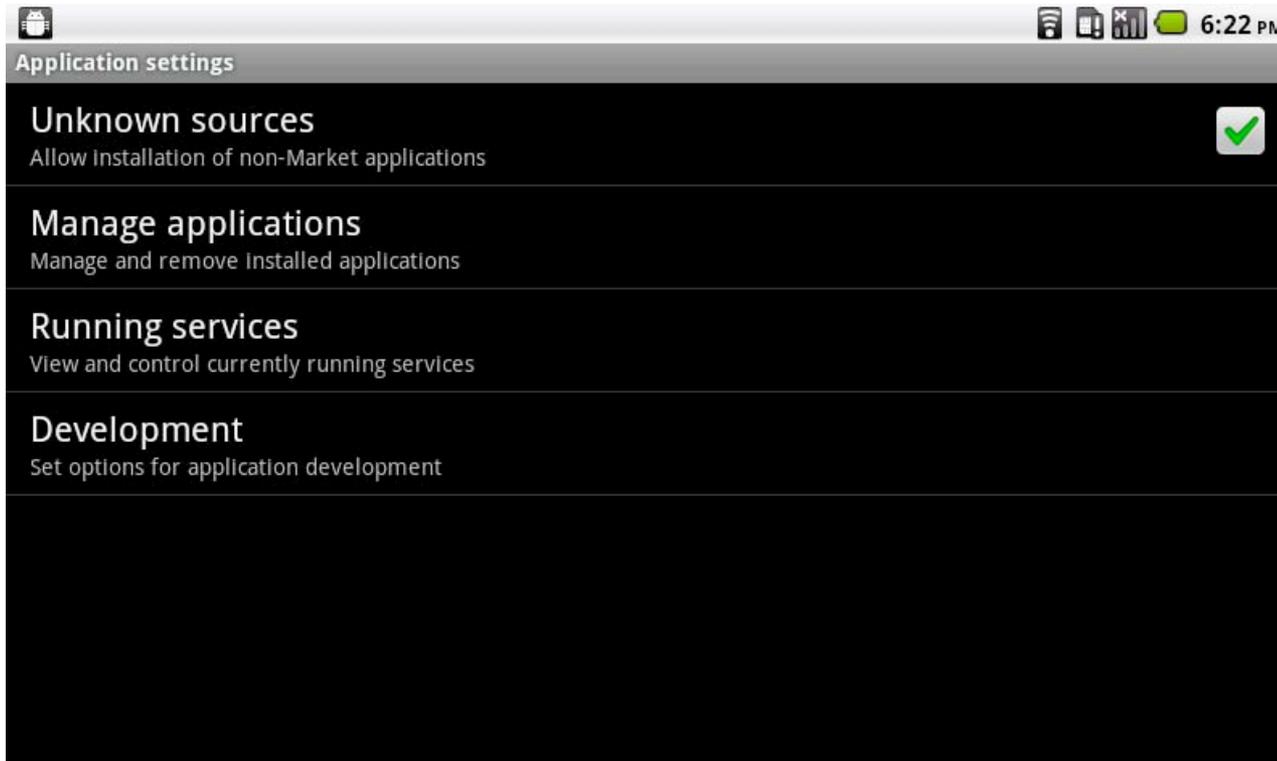
- Select the Applications menu to modify and manage your installed apps.





Android Settings

- Check Unknown sources if you will be installing apps from sources other than Android Market.
- The Manage applications menu allows you to view, update and uninstall apps.
- Running services allows you to view and control running apps and services.
- Development offers additional options for application developers.





Android: Connected and Configured

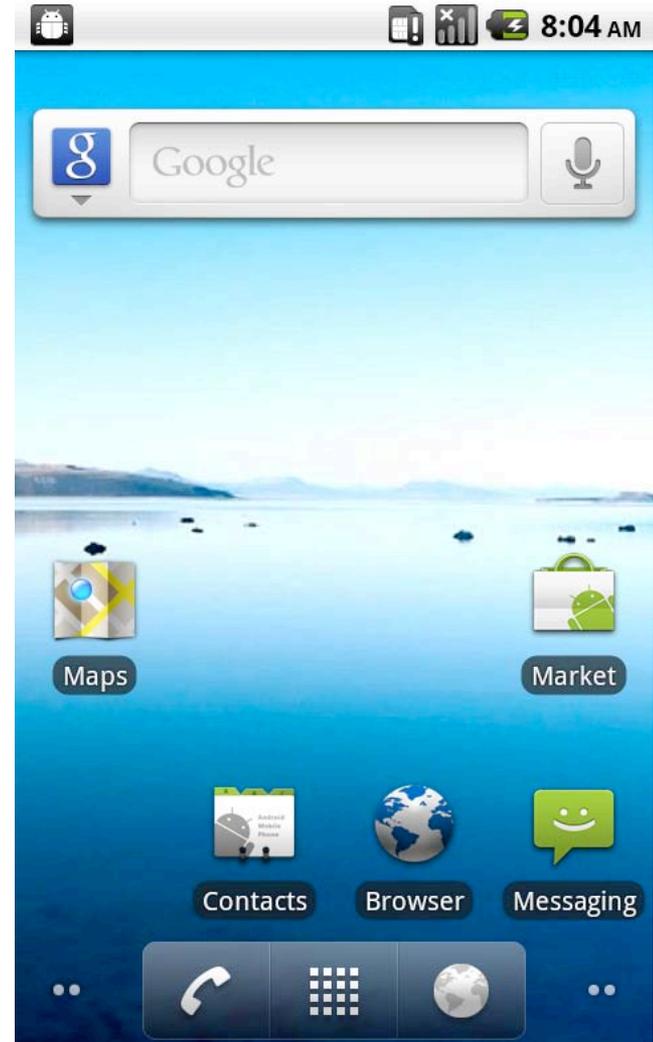
- Now that you have learned how to connect your Android device to a network and control the various settings, let's take a look at how you use the operating system.



Android: Welcome Home

Your Android Home screen offers quick access to the program launcher, application shortcuts, desktop widgets and status bar notifications.

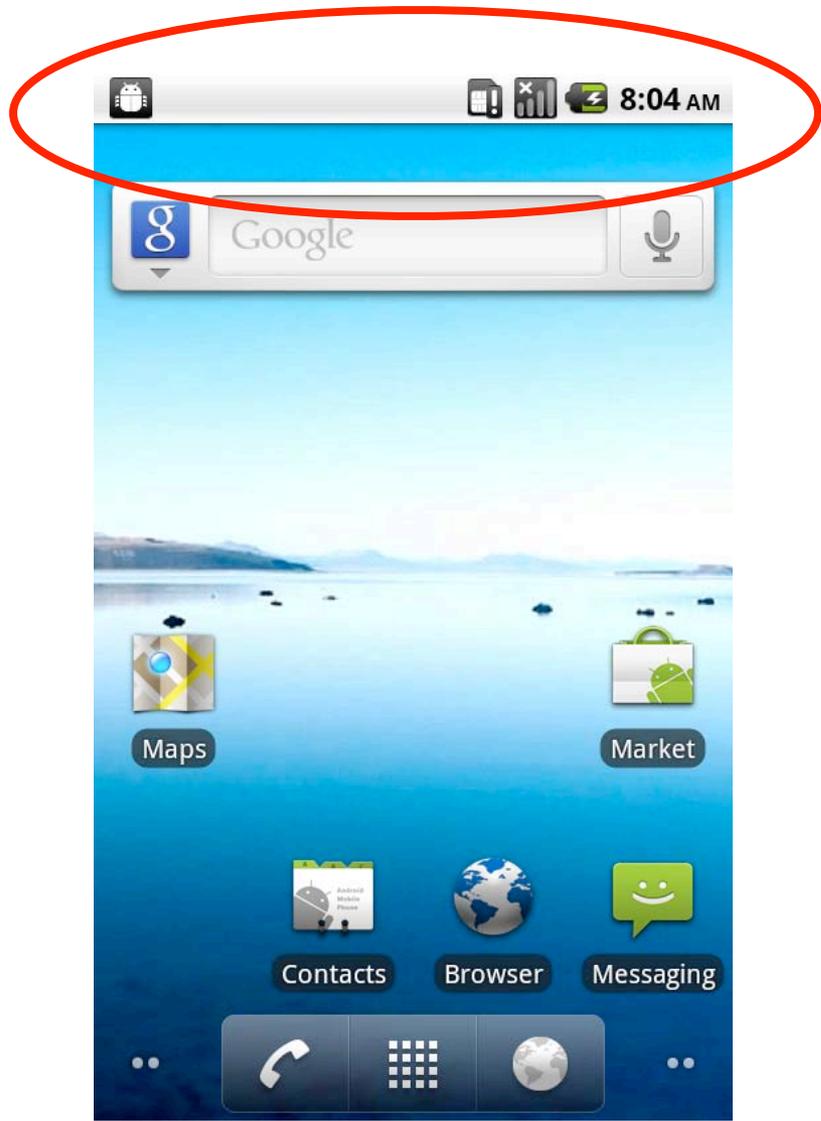
Please note: The Android home pictured is a ViewPad4 screen shot. Different devices are used to illustrate Android screens throughout this presentation. What you see may differ based on your device and configuration, but the concepts and usage will remain the same across all Android devices.





Android: Welcome Home

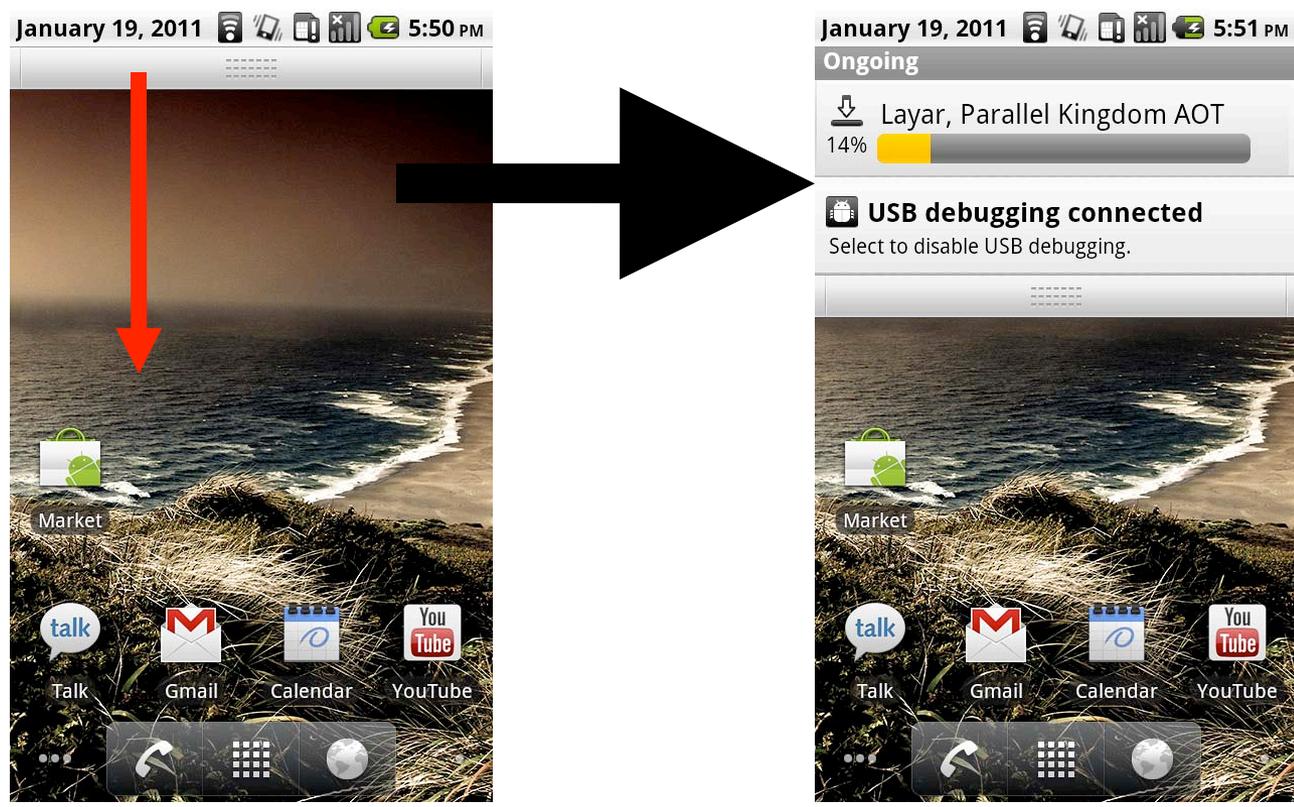
The Status Bar displays important information including the current time, battery life, connection strength, and notification icons.





Android: Welcome Home

Touch the Status bar and swipe down to drag open the notifications window. Here you will see any notifications such as files downloaded, updates available, etc.



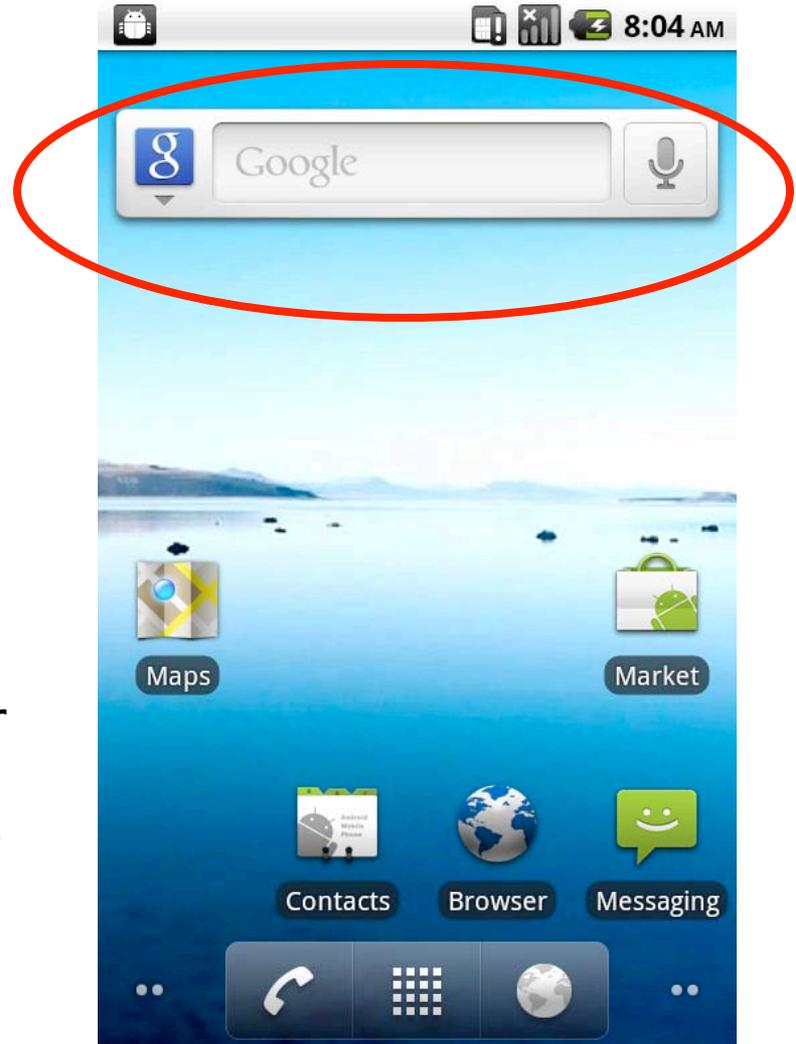


Android: Welcome Home

Widgets are applications that run right on your Home Screen.

In this example, the Google Search widget allows you to search the Web.

Touch the search box to enter your query by text, or touch the microphone button to use Voice Search.

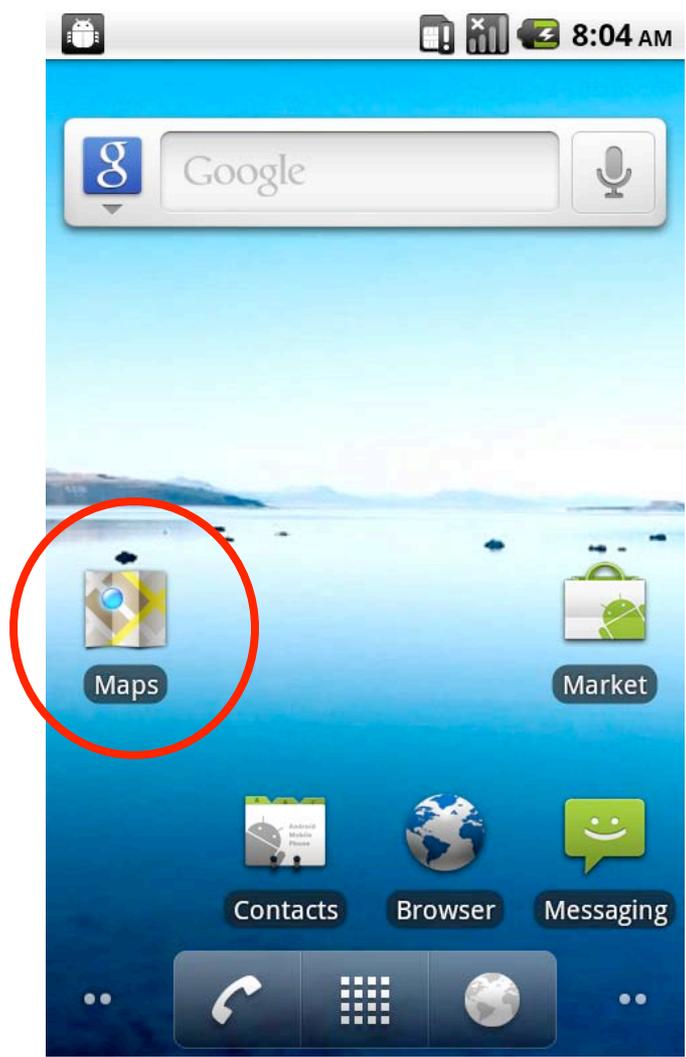




Android: Welcome Home

Application icons offer instant access to your favorite programs.

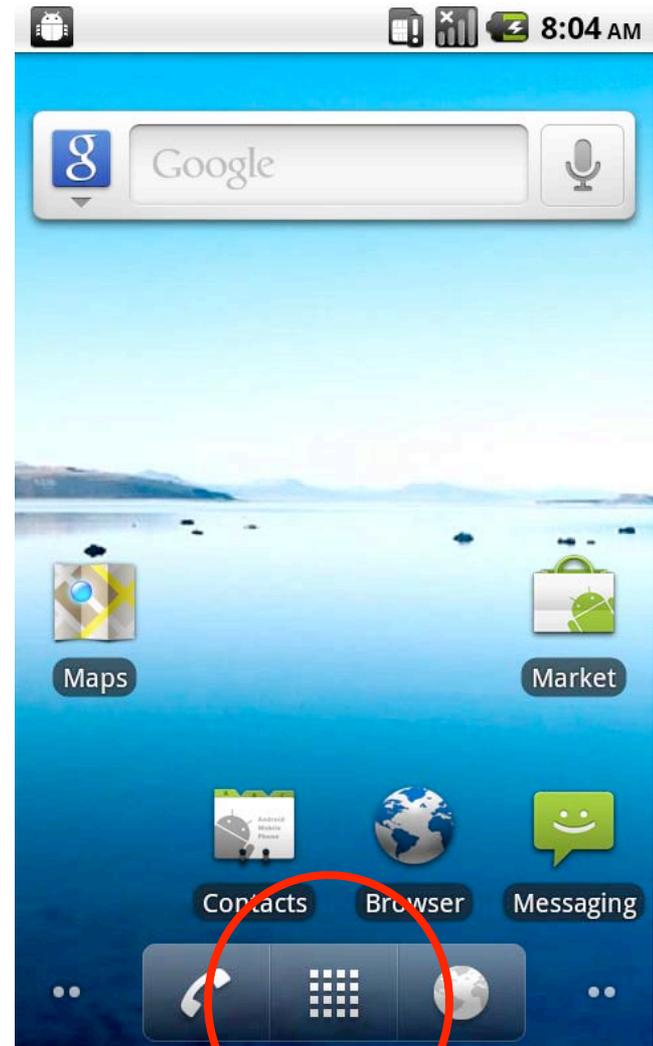
Simply tap the icon on the screen to launch the app.





Android: Welcome Home

The Launcher icon opens up the Application Launcher.



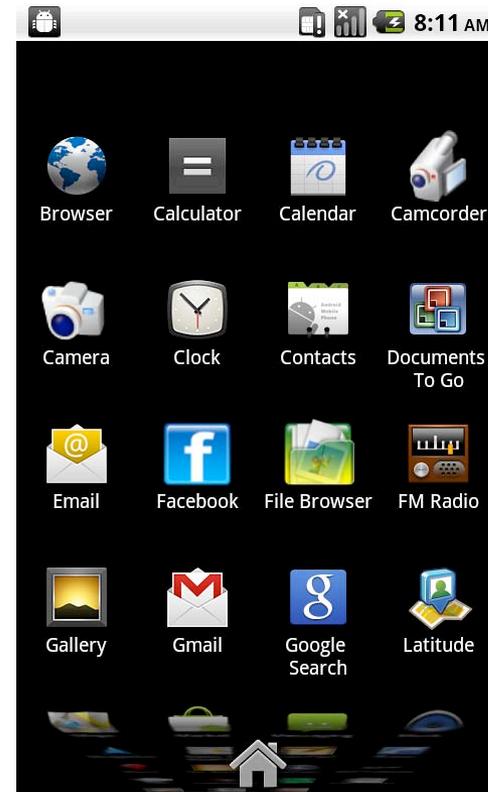


Android: Welcome Home

Your Launcher displays all apps installed on the device.

Swipe up and down to scroll through the available applications.

Simply touch an icon to open the app.





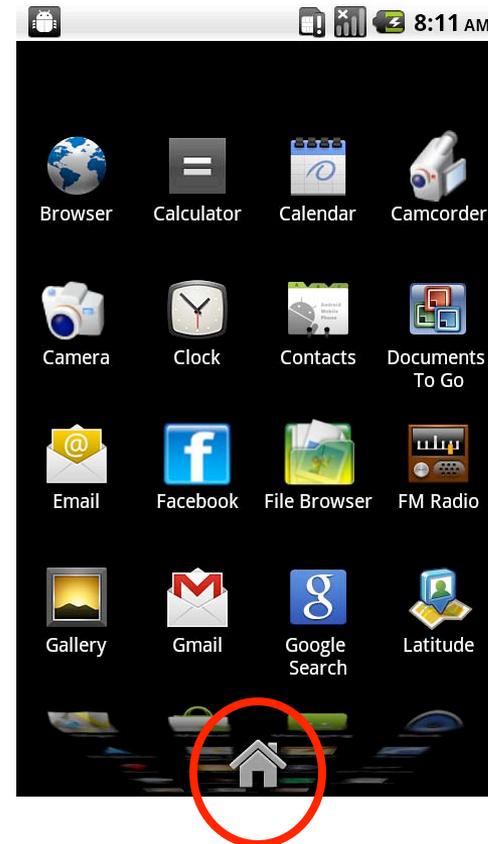
Android: Launcher

Your Launcher displays all apps installed on the device.

Swipe up and down to scroll through the available applications.

Simply touch an icon to open the app.

Tap the Home icon to close the Launcher and return to your Home screen.





Android: When One Home Isn't Enough

Android offers multiple Home Screens. Swipe right or left across the screen to change Home Screens.





Android: When One Home Isn't Enough

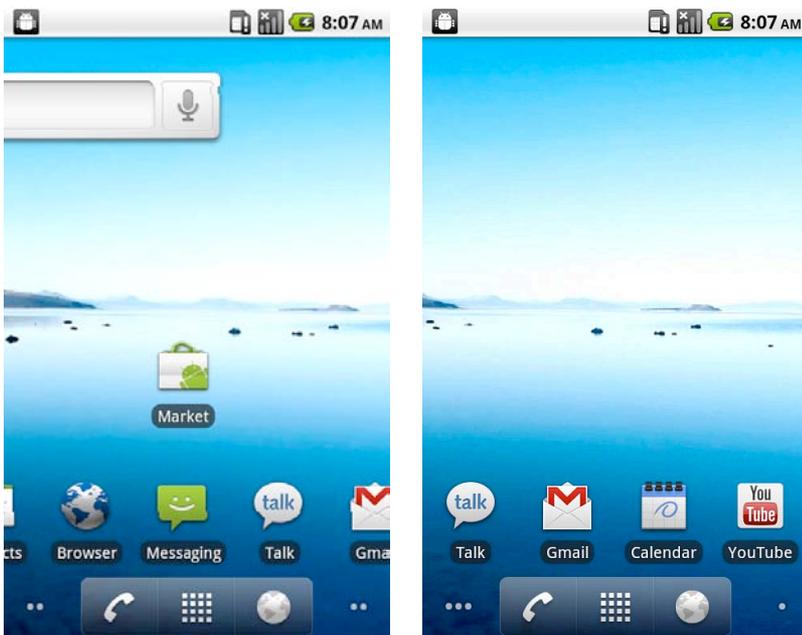
Android offers multiple Home Screens. Swipe right or left across the screen to change Home Screens.





Android: When One Home Isn't Enough

Android offers multiple Home Screens. Swipe right or left across the screen to change Home Screens.





Android: When One Home Isn't Enough

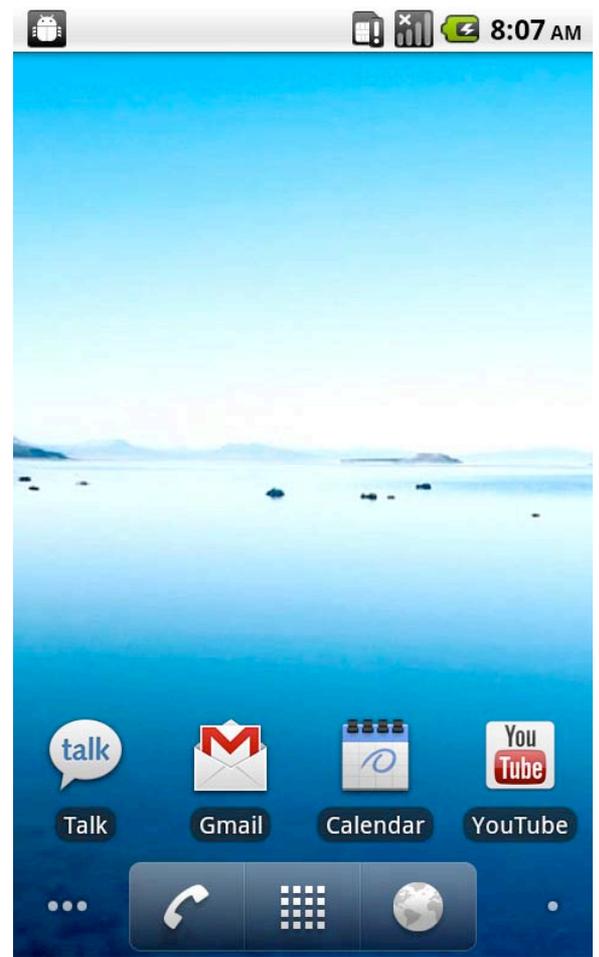
Android offers multiple Home Screens. Swipe right or left across the screen to change Home Screens.





Android: When One Home Isn't Enough

The tiny dots at the bottom of the screen indicate which Home Screen you are on and how many are available.





Android: When One Home Isn't Enough

The tiny dots at the bottom of the screen indicate which Home Screen you are on and how many are available.



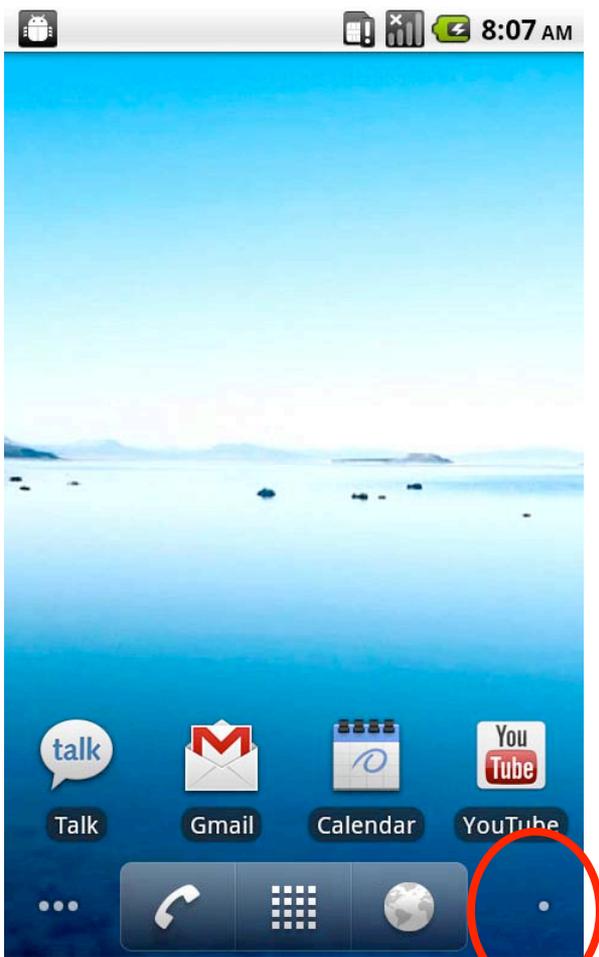
In this example, we are on the fourth of five screens.

The dots indicate:



Android: When One Home Isn't Enough

The tiny dots at the bottom of the screen indicate which Home Screen you are on and how many are available.



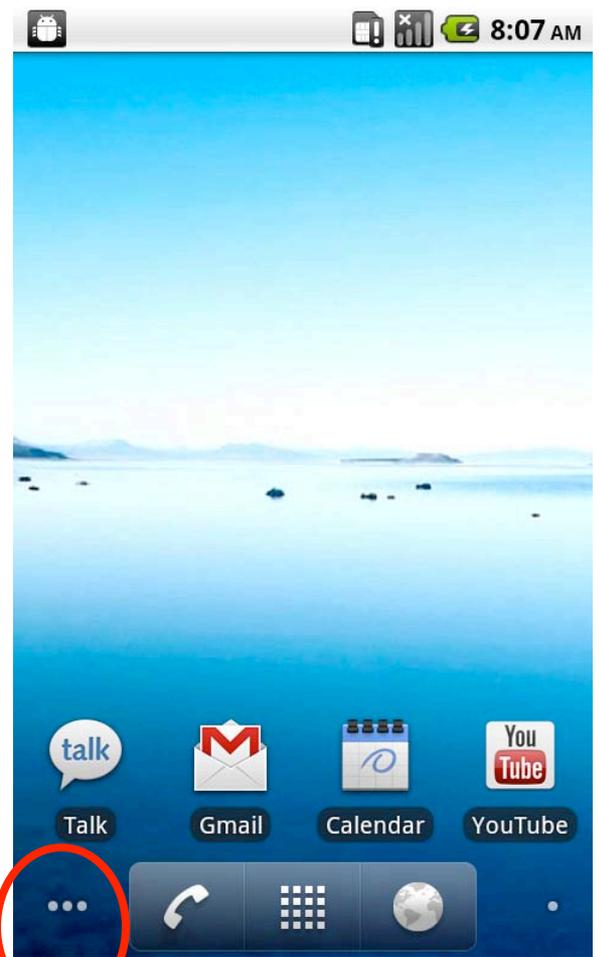
In this example, we are on the fourth of five screens.

The dots indicate:
1 screen to the right



Android: When One Home Isn't Enough

The tiny dots at the bottom of the screen indicate which Home Screen you are on and how many are available.

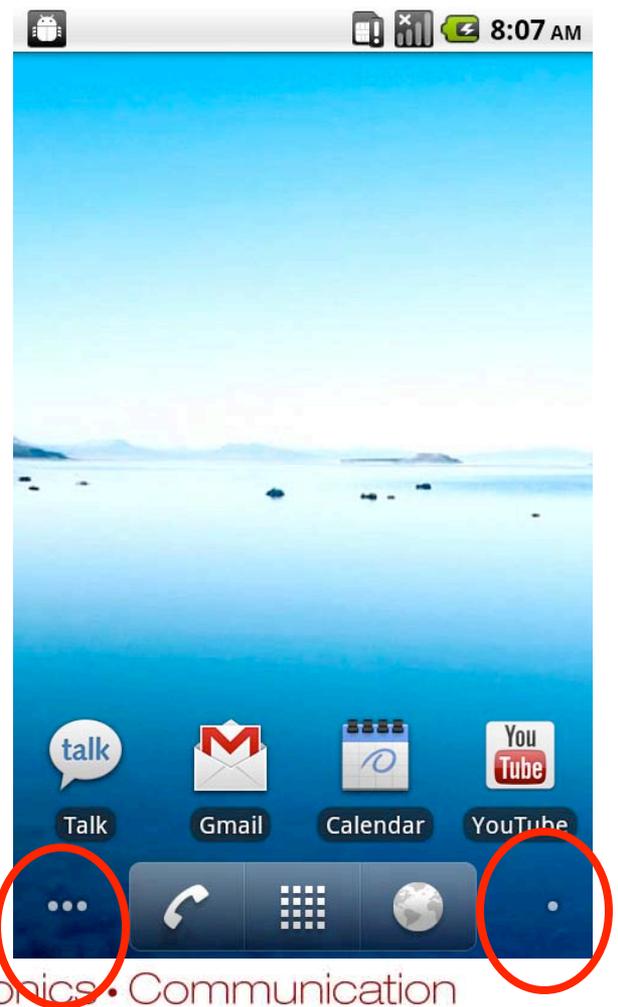


In this example, we are on the fourth of five screens.

The dots indicate:
1 screen to the right
3 screens to the left



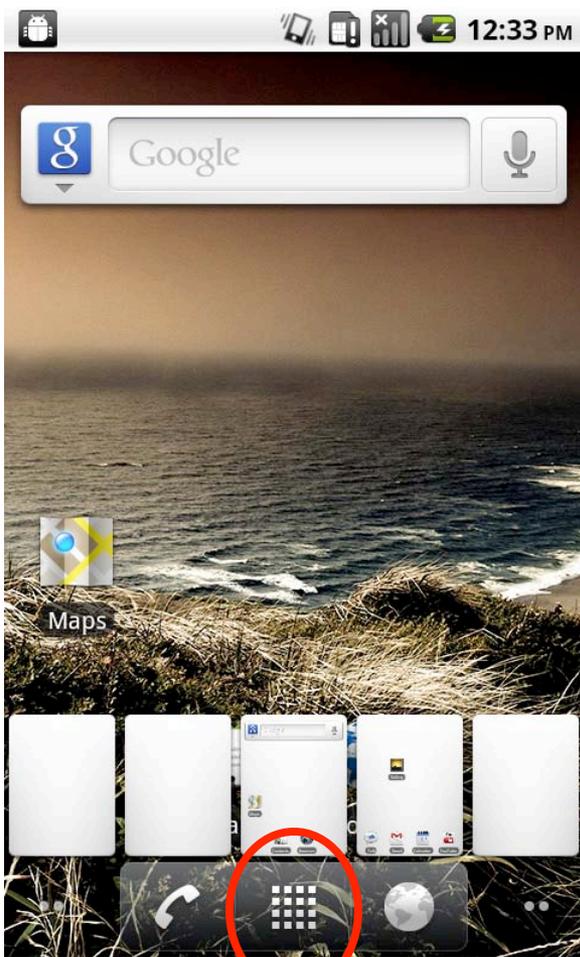
Android: When One Home Isn't Enough



You can also tap on the dots to scroll right and left between the screens.



Android: When One Home Isn't Enough

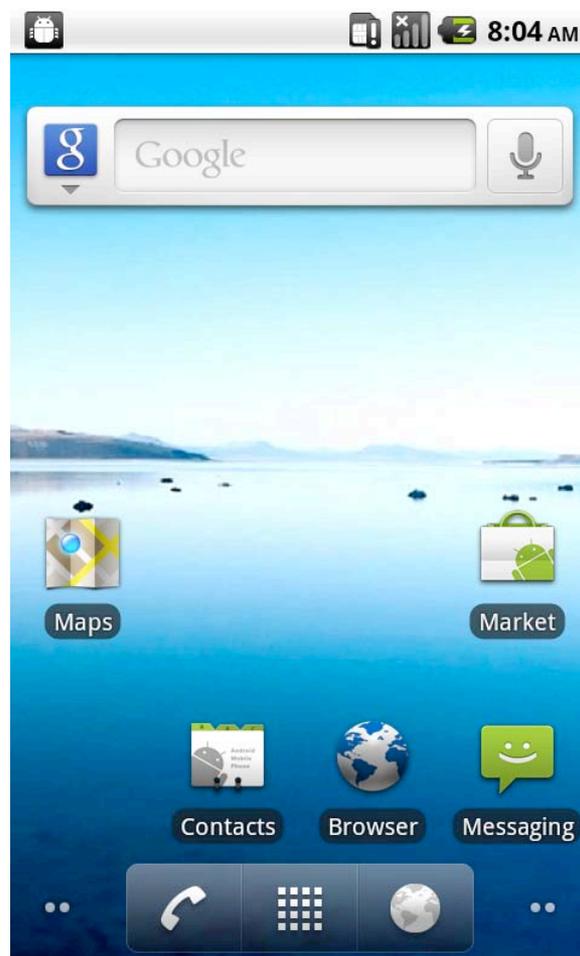


Press and hold the Launcher button to display icons of each Home Screen. Tap a screen icon to switch to that Home Screen.



Android: A Home of Your Own

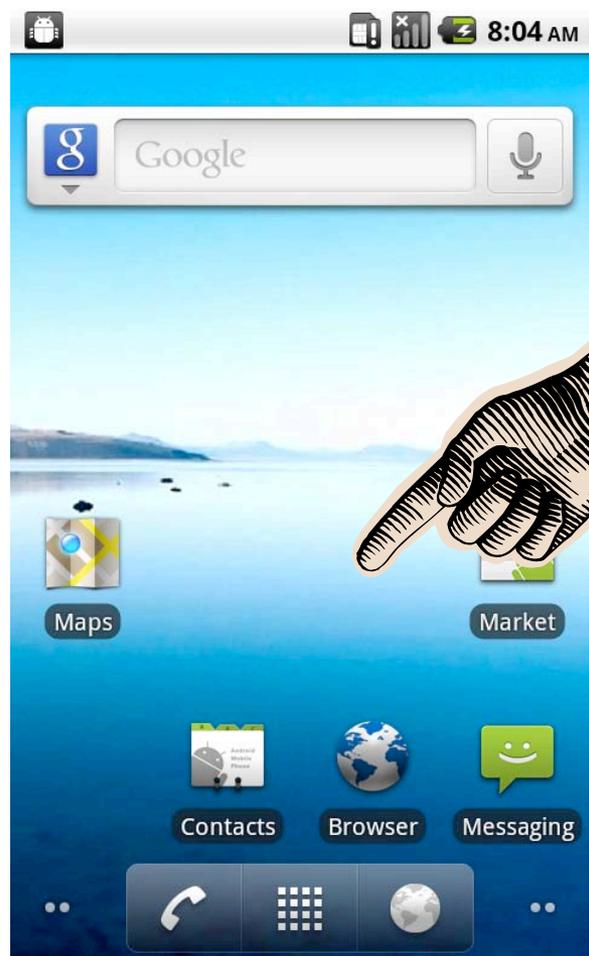
You can easily customize your Home Screen by adding Widgets, Shortcuts, Folders and Wallpapers.





Android: A Home of Your Own

Touch and hold any blank space on the home screen to open up a context menu.





Android: A Home of Your Own

Touch and hold any blank space on the home screen to open up a context menu.

Context menus are available for many Android objects, including icons and menu items. Press and hold any item to open a menu, if available, offering additional options.

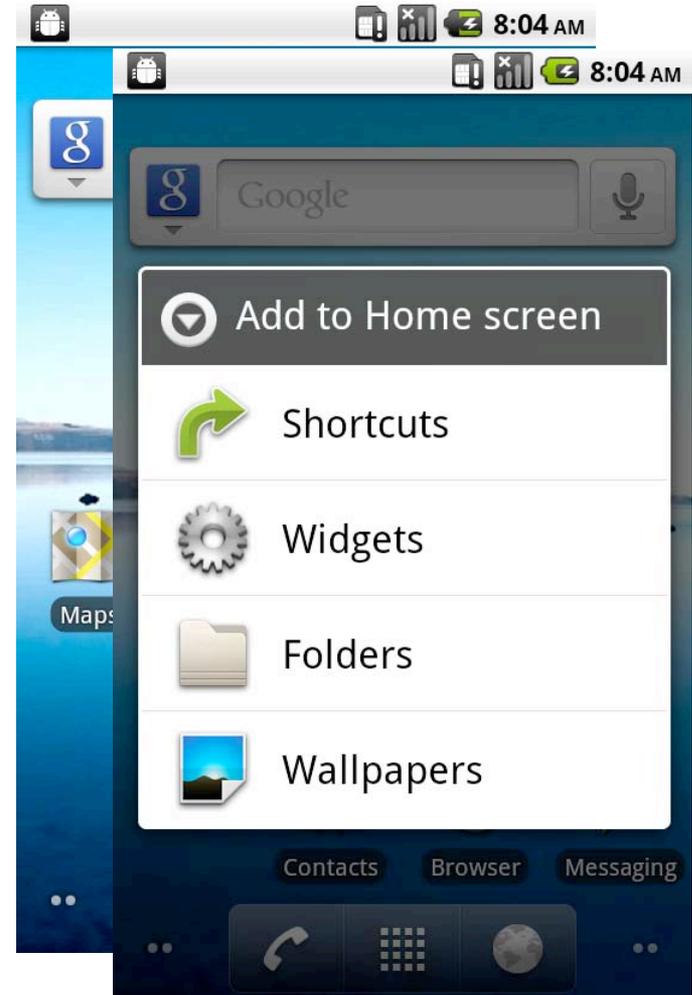




Android: A Home of Your Own

The Home Screen context menu offers the following options:

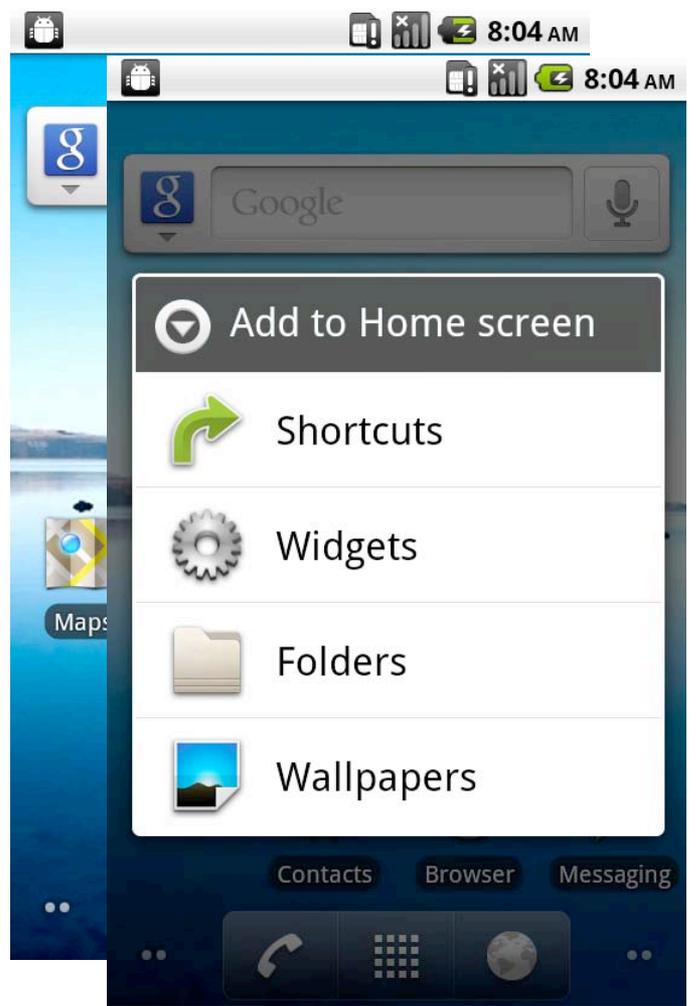
- **Shortcuts:** Apps, Bookmarks, Contacts and more.
- **Widgets:** Apps that can run right on your Home Screen.
- **Folders:** Create folders to organize your files.
- **Wallpapers:** Backgrounds for your Home Screen.





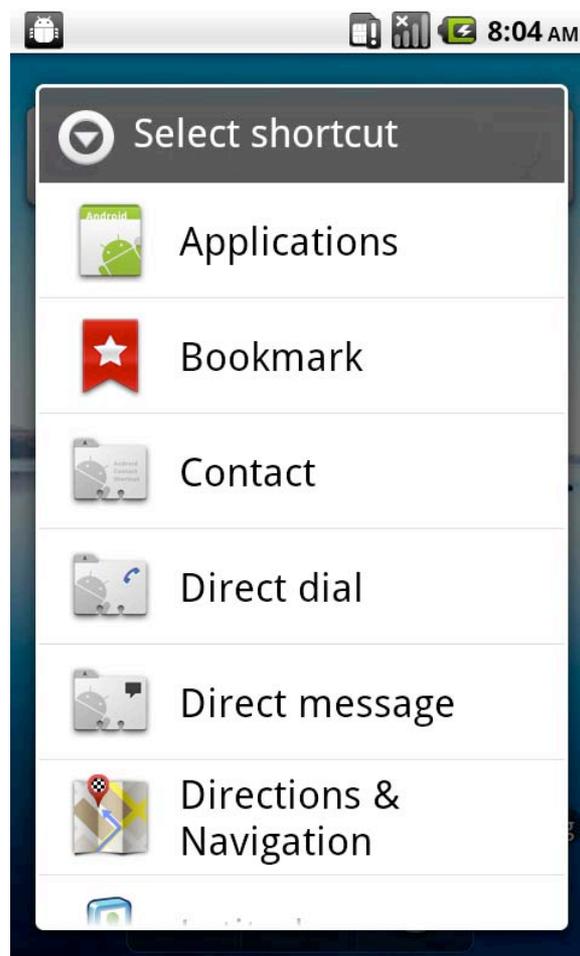
Android: A Home of Your Own

Select **Shortcuts** to see a menu of the different types of shortcuts available.





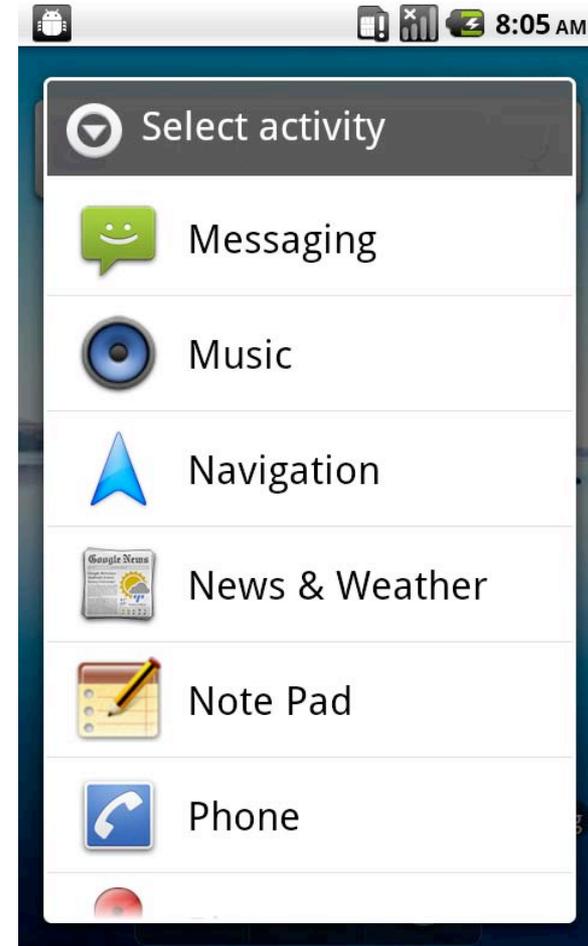
Select **Applications** to see options for Application Shortcuts.





Android: A Home of Your Own

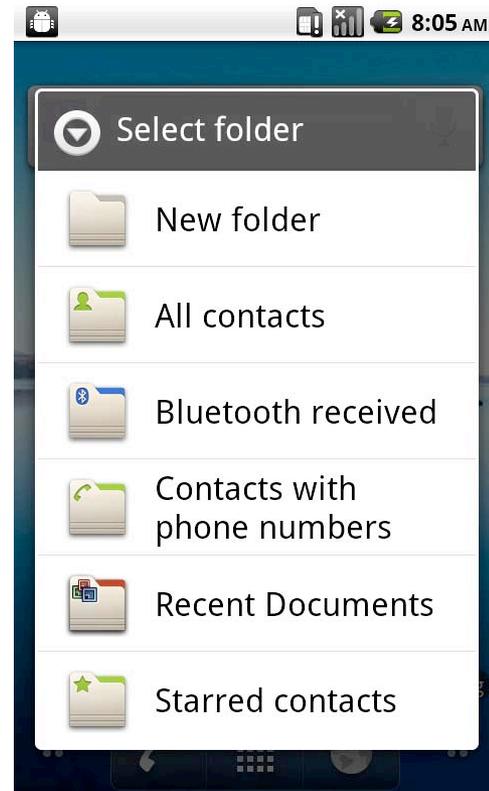
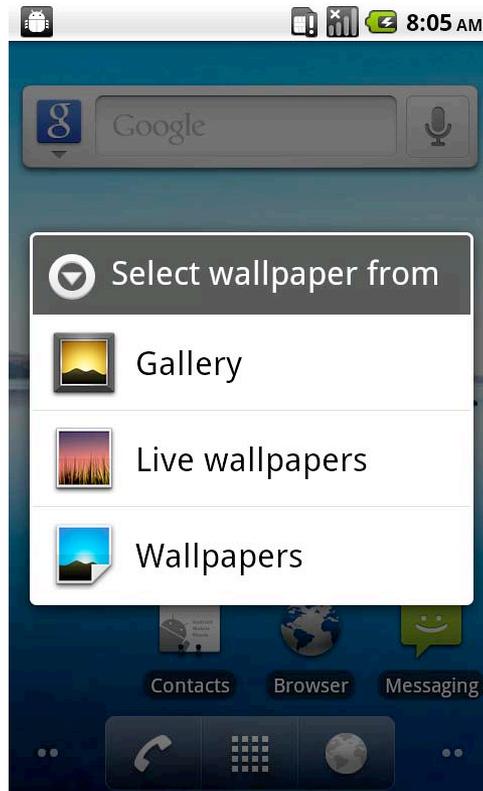
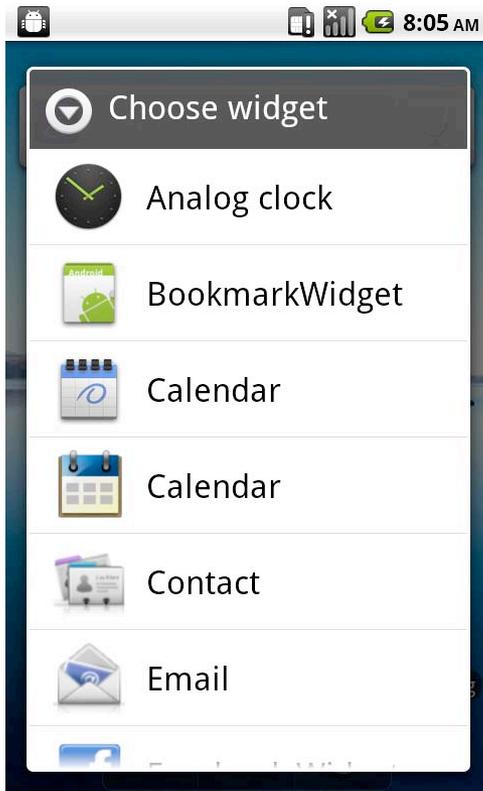
Select the application activity for which you want a shortcut.





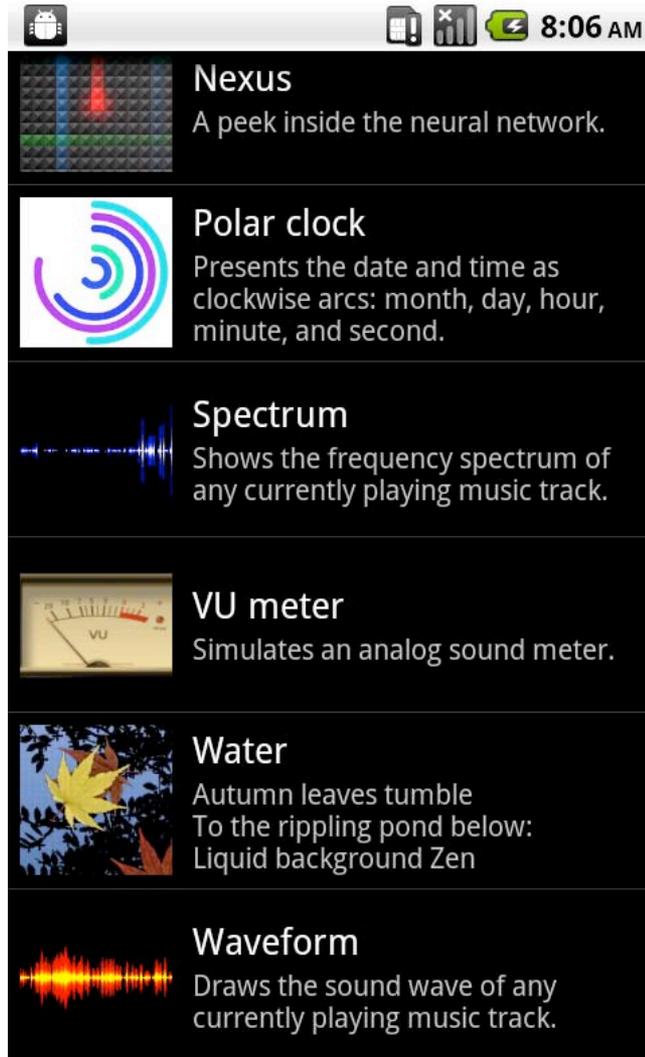
Android: A Home of Your Own

Add Widgets, Folders and Wallpapers from the appropriate menus.





Android: A Home of Your Own



Live Wallpapers are dynamic, animated backgrounds.

Live Wallpapers can respond to music that is playing or pull data from the Web.



Android: A Home of Your Own

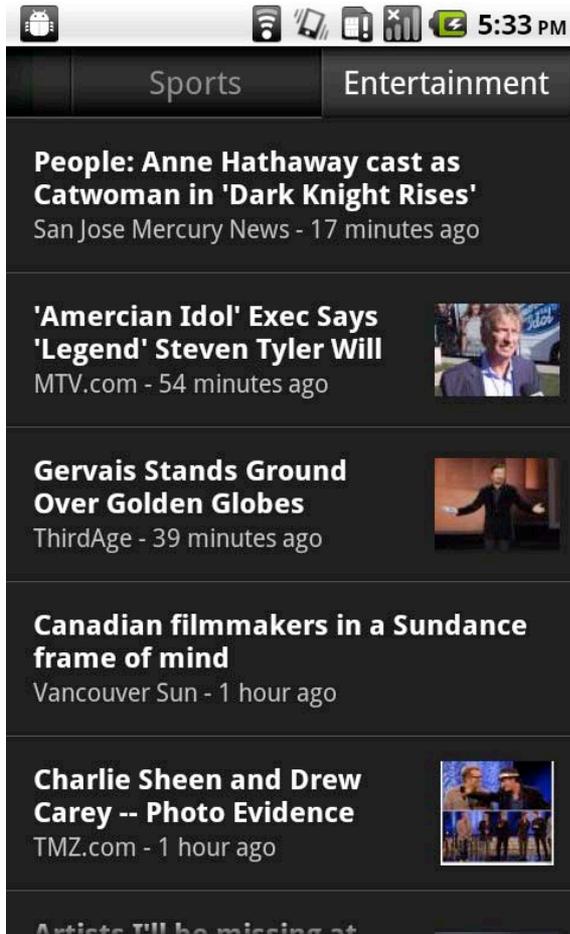


This example demonstrates the Stock Ticker and News Reader widgets.



Android: A Home of Your Own

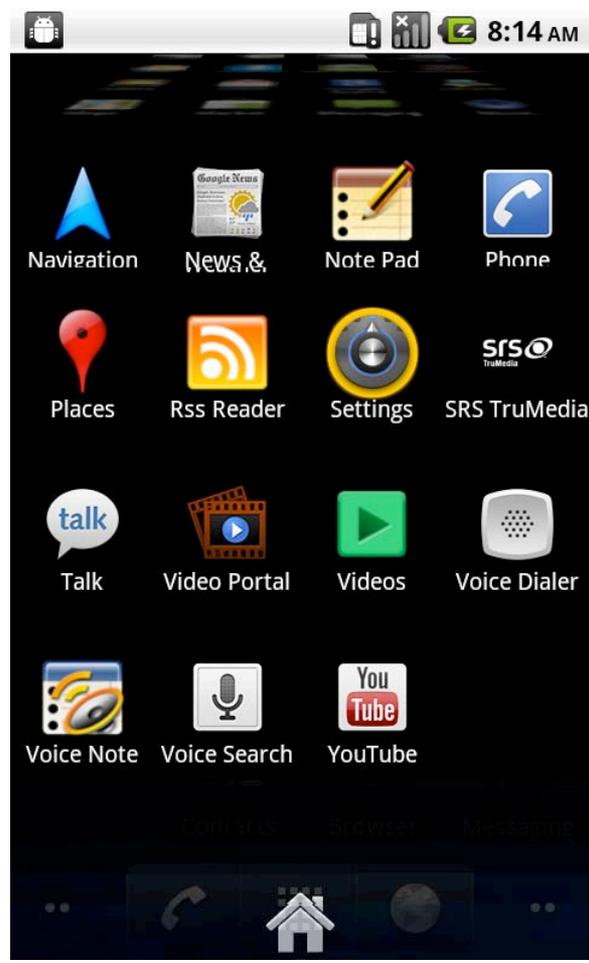
Tapping a widget will open the application in full screen mode – for example, the News and Weather apps:





Android: A Home of Your Own

You can also add shortcuts directly from the Launcher menu.

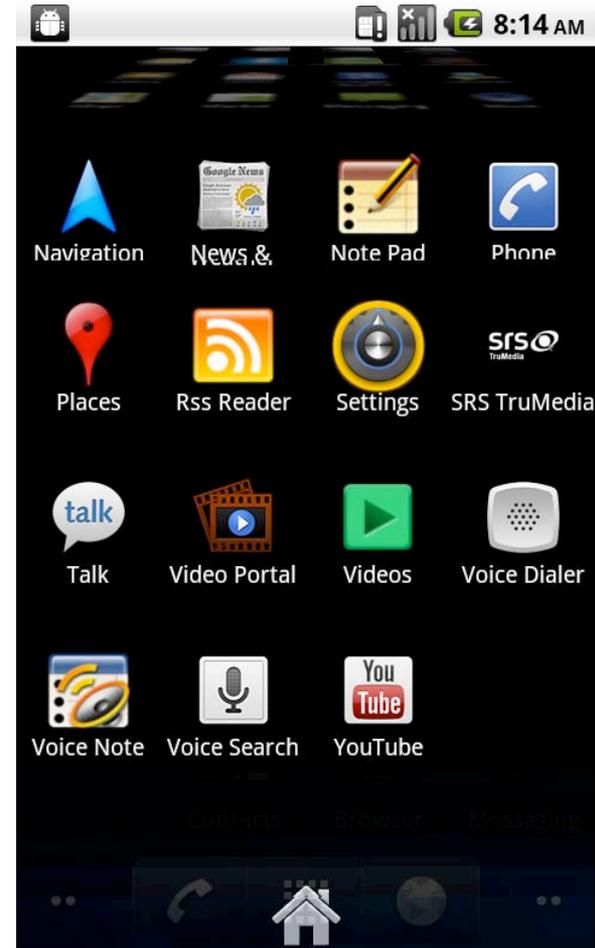




Android: A Home of Your Own

You can also add shortcuts directly from the Launcher menu.

Simply touch and hold an icon until it “floats” out of the launcher and onto the Home Screen.





Android: A Home of Your Own

You can also add shortcuts directly from the Launcher menu.

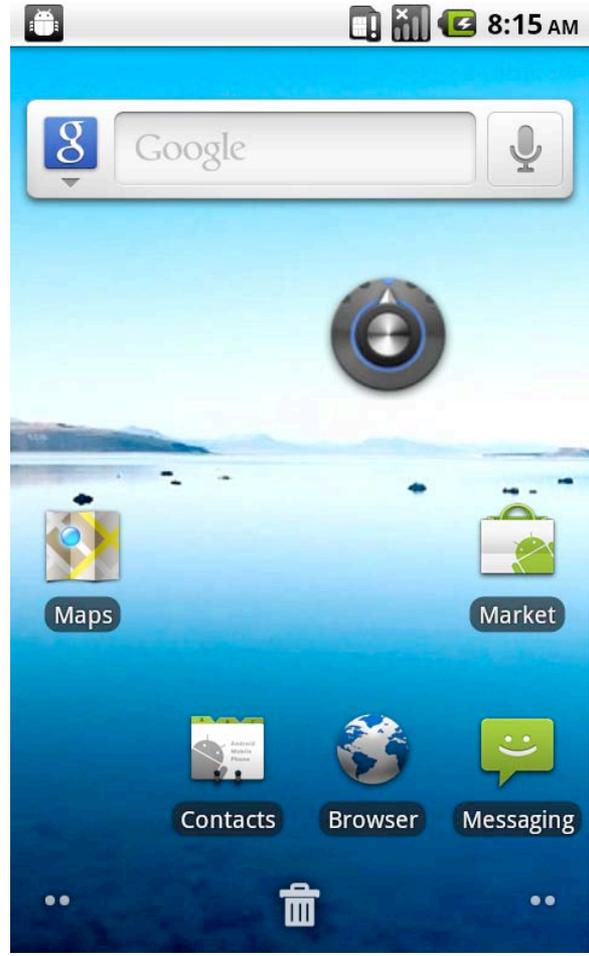
Simply touch and hold an icon until it “floats” out of the launcher and onto the Home Screen.





Android: A Home of Your Own

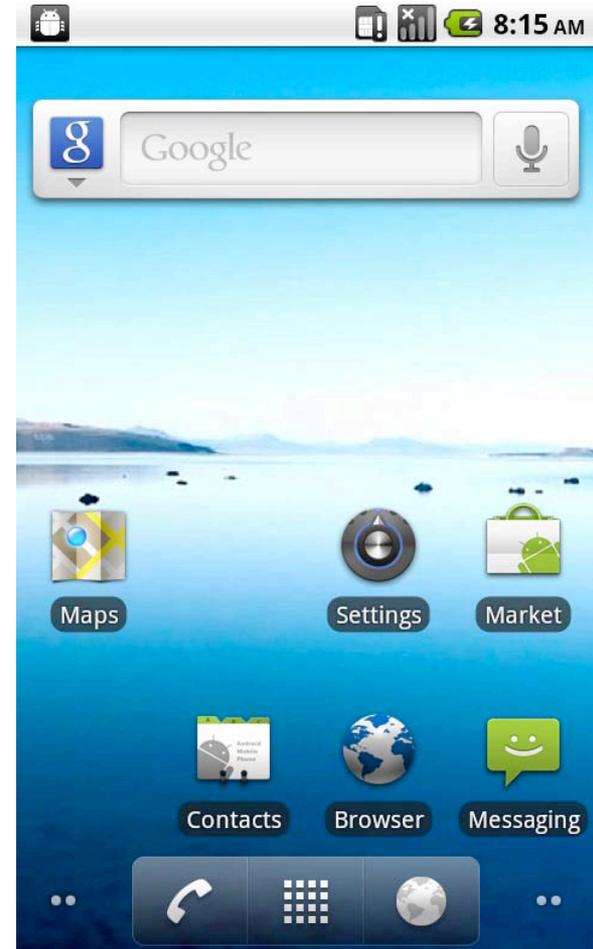
Now you can drop the Shortcut icon anywhere on the Home Screen.





Android: A Home of Your Own

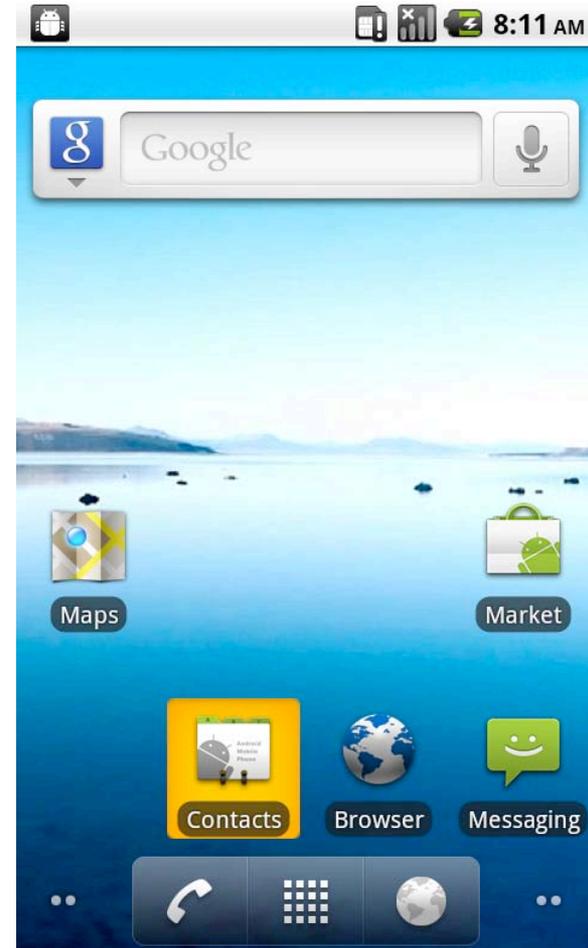
Now you can drop the Shortcut icon anywhere on the Home Screen.





Android: A Home of Your Own

To move icons around on the Home Screen, also touch and hold.



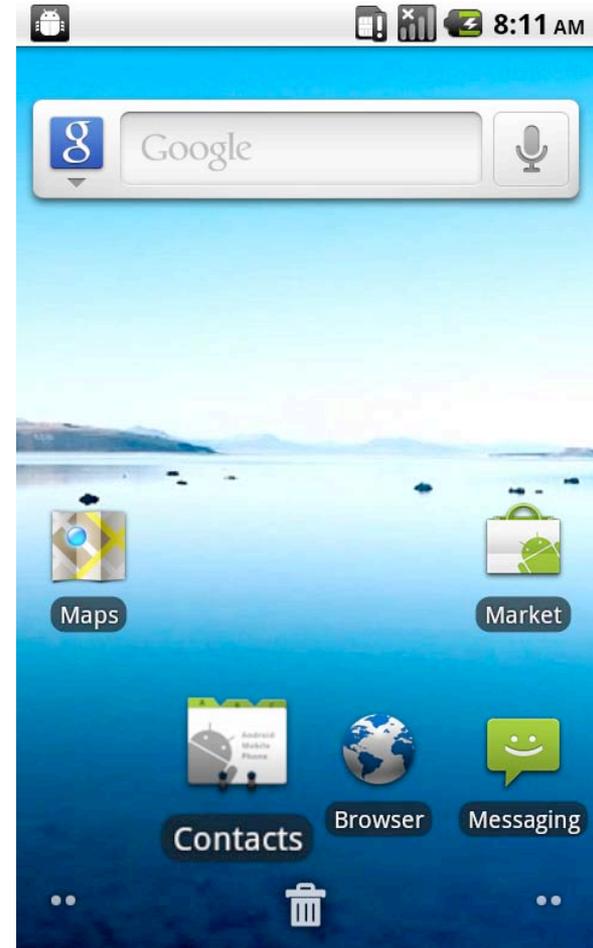


Android: A Home of Your Own

To move icons around on the Home Screen, also touch and hold.

The icon appears larger once it is “lifted” from the screen.

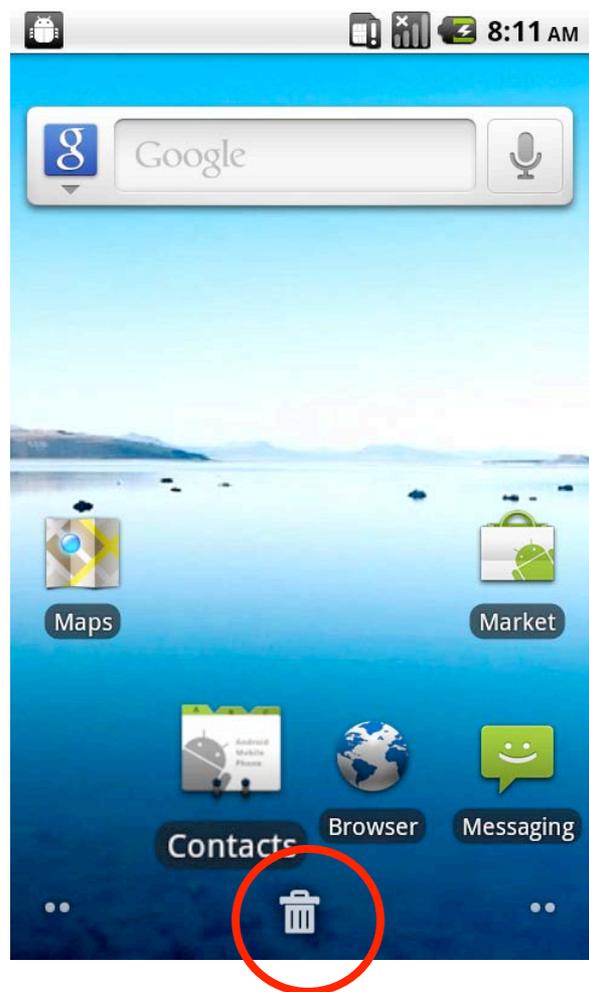
You may drag and drop the icon wherever you like.





Android: A Home of Your Own

Drop it in the trash to remove the icon from the Home Screen. The app will still be available from the Launcher.

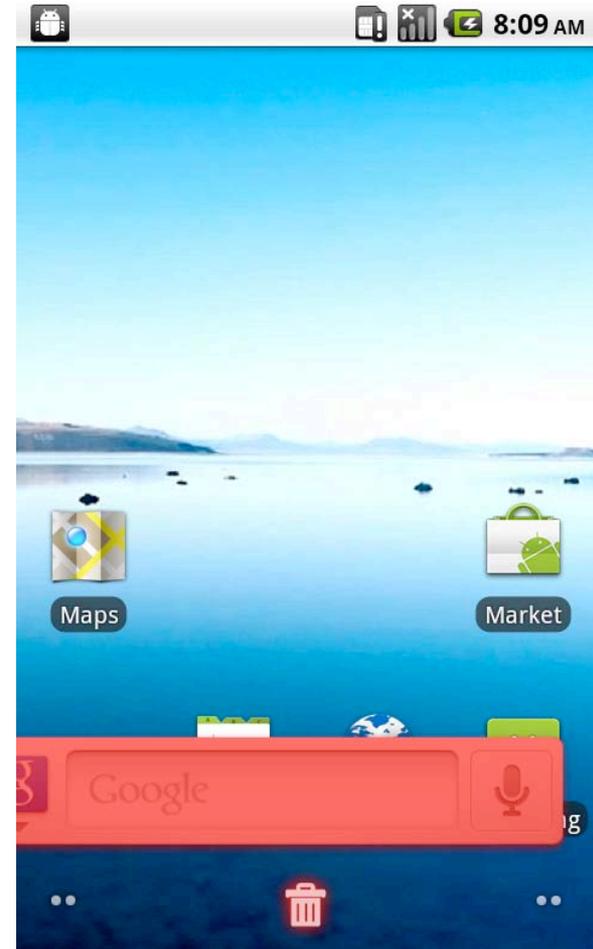




Android: A Home of Your Own

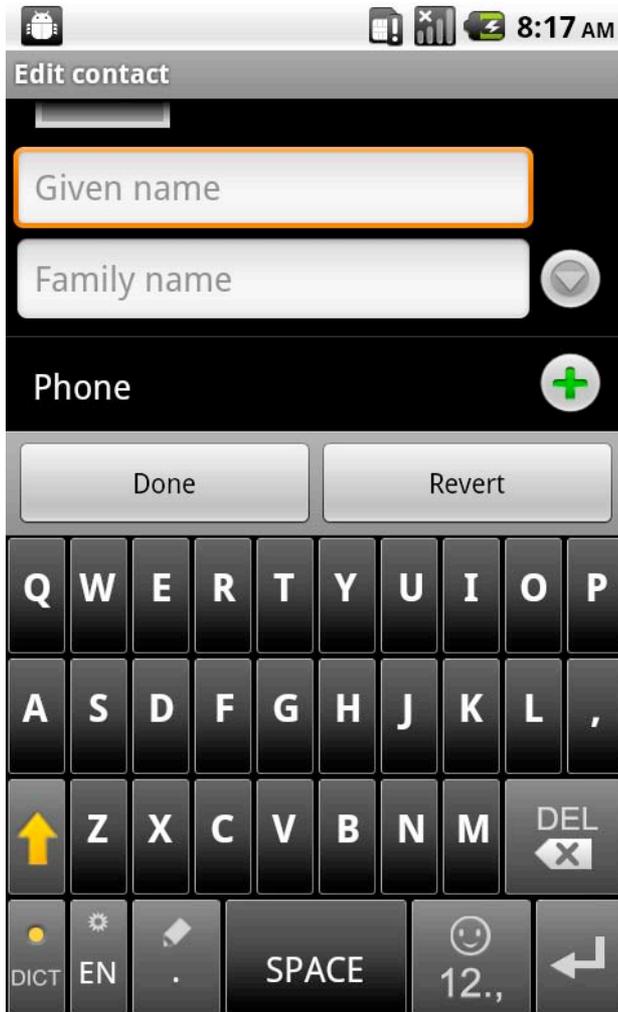
Widgets work the same way.

Touch and hold, then drag to the desired place on screen or drop in the trash.





Android: Input Text



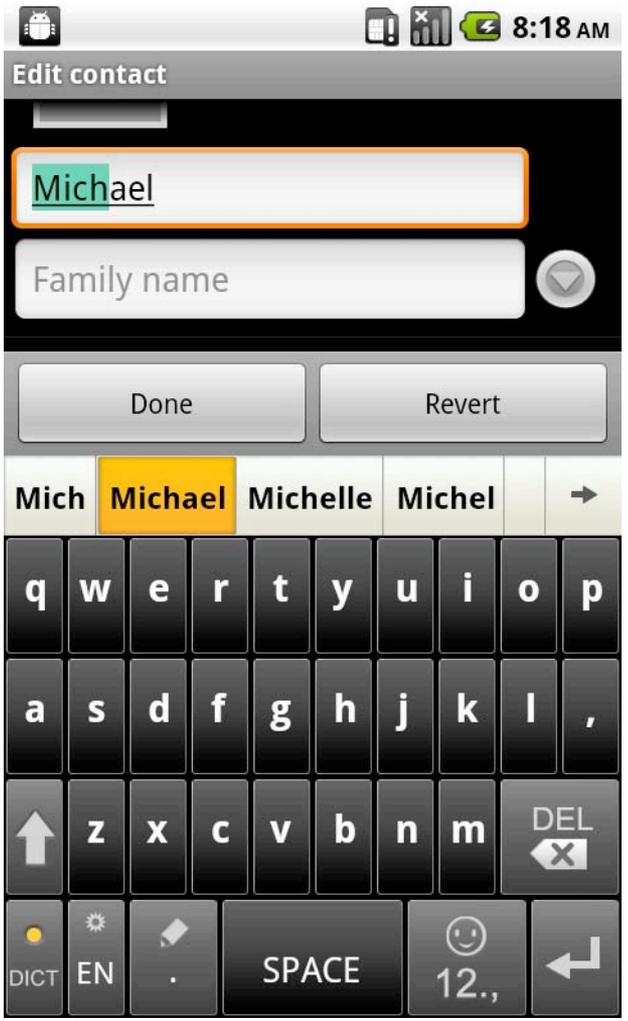
The soft keyboard is your primary means of inputting text to your Android device.

The keyboard appears automatically for some applications. If it is not visible, it will appear as soon as you select a text field.

Type right on the screen just as you would with a hardware keyboard.



Android: Input Text

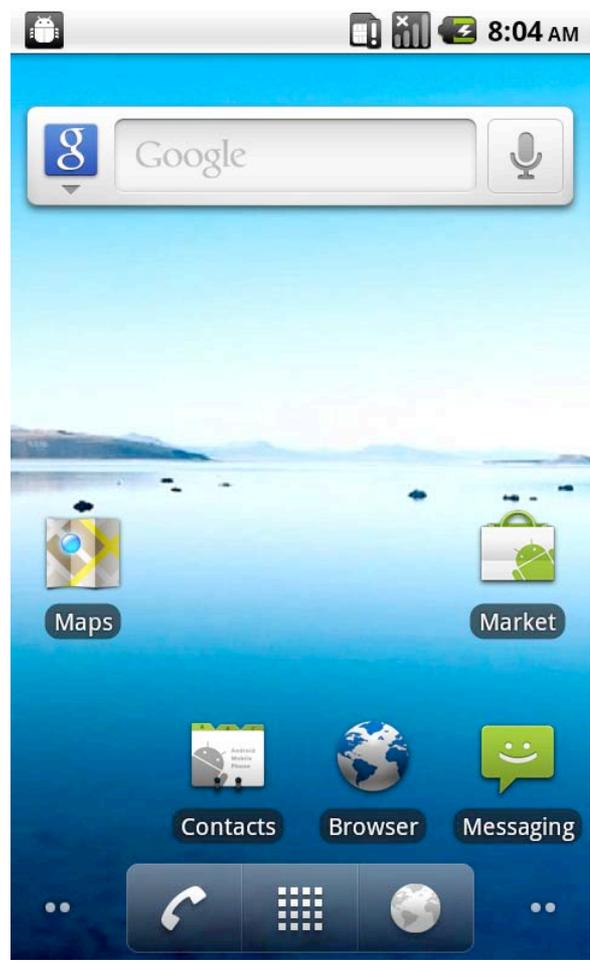


Android offers suggestions as you type to simplify and speed up your data entry.



Android: Using the Browser

You can access the Web browser through the Launcher, the Google Search widget, or the Application Shortcut on your Home Screen.





Android: Using the Browser

The Android browser works like a standard Web browser.

Select the address bar at the top of the screen to enter a URL.

The X icon will stop a currently loading page.





“Pinch” and “pull” the screen to zoom in and out, or use the magnifying icons that appear in the lower right corner.



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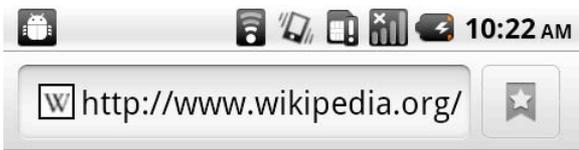
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Android: Using the Browser

Press the Menu button on your device to open up the browser menu featuring standard commands.

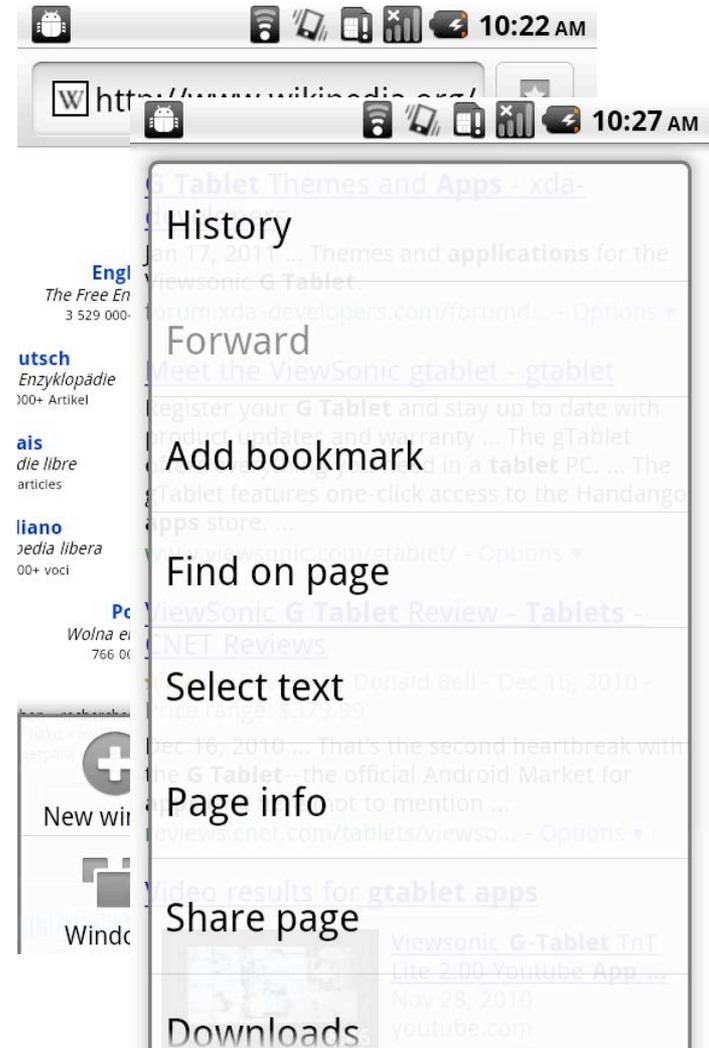




Android: Using the Browser

Press the Menu button on your device to open up the browser menu featuring standard commands.

The More option opens a menu with additional functions.



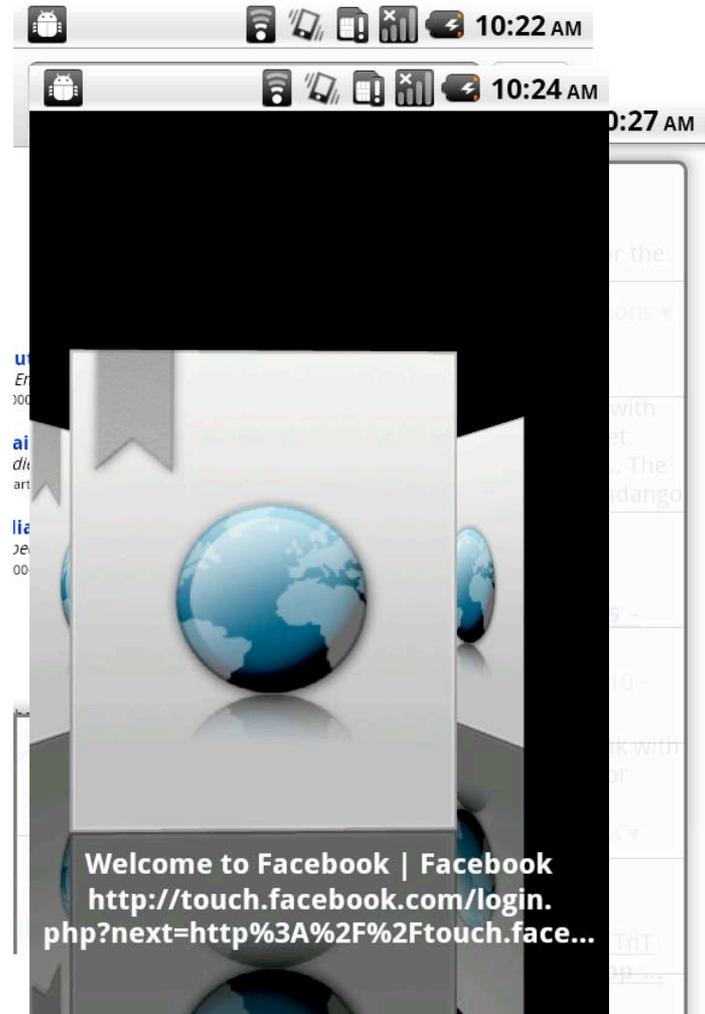


Android: Using the Browser

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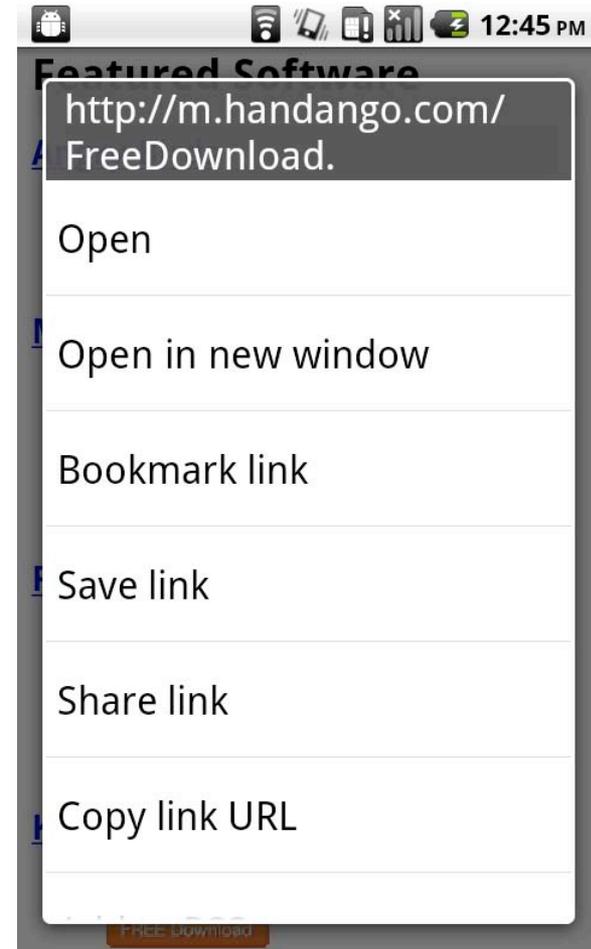
The Windows option gives you a graphical view of open browser windows and allows you to close or switch between menus.





Android: Working with Links

Press and hold a link to display additional options for opening, bookmarking, saving and sharing the link.



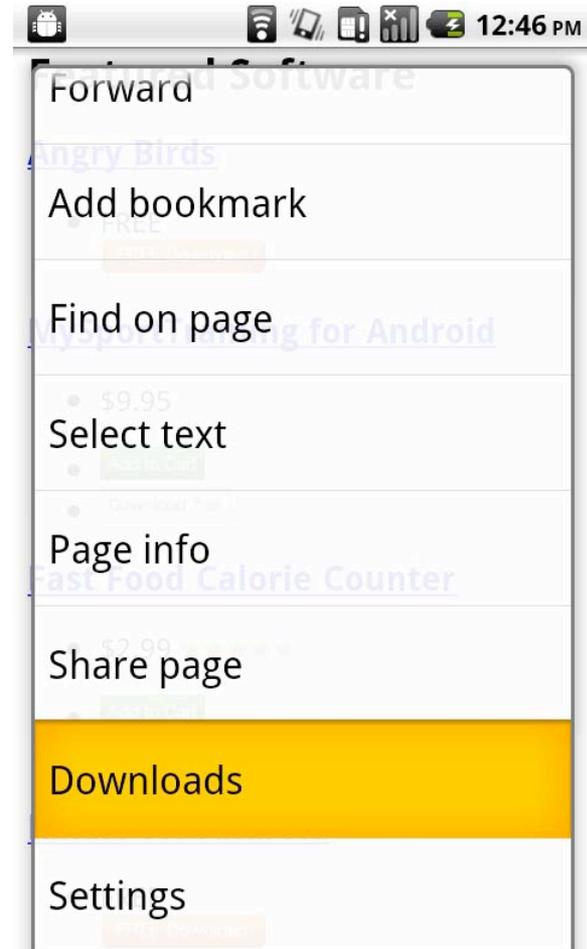


Android: Downloading Apps

Files will download automatically when you touch the link.

Visit the Downloads menu option to view or run downloaded files.

Android apps will download as Android Package (APK) files which must be installed first. Simply select the APK file from the Downloads menu to install.





Where do you find Android apps?

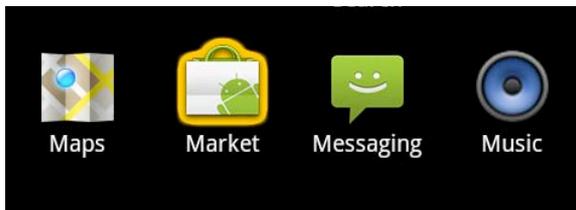
- In addition to the Android Market (which is only available on supported devices), a wide variety of third-party sites offer Android apps for download.

Alternate app stores include:

- Handango.com
- Slideme.org
- Mobihand.com
- Aproov.com
- Androidfreeware.net
- Appstorehq.com
- Andapponline.com
- Mobango.com

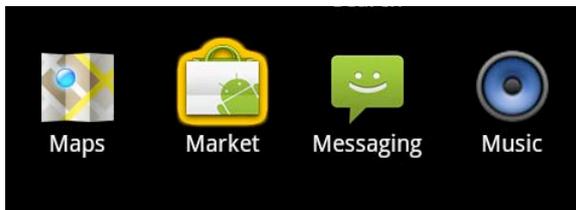


- Be on the lookout for an Amazon.com App Store coming soon!
- You may also find apps for download from various individual developers' web sites.
- Be sure you trust the source when downloading and installing any applications from sources other than Google's Android Market.



In addition to manually downloading apps, you can access Android Market on supported devices.

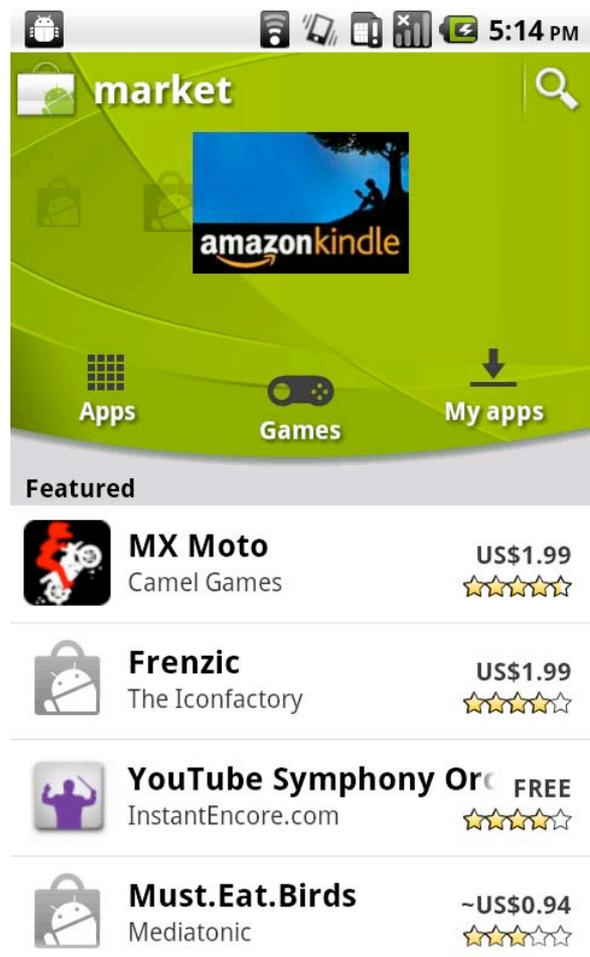
Android Market is Google's official app store and the preferred way of browsing and installing new apps



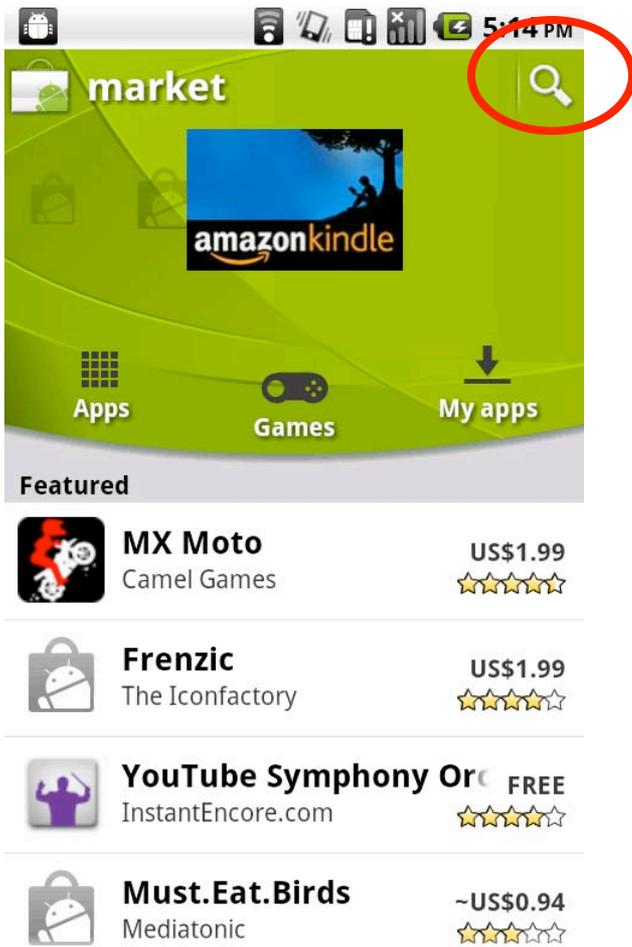
In addition to manually downloading apps, you can access Android Market on supported devices.

Android Market is Google's official app store and the preferred way of browsing and installing new apps

Please note: Due to Google licensing restrictions, only the ViewSonic Viewpad7 currently supports Google Market. Other Android app stores will be discussed later in the presentation. ViewSonic will be adding support for Google Market on our other tablets in the near future.

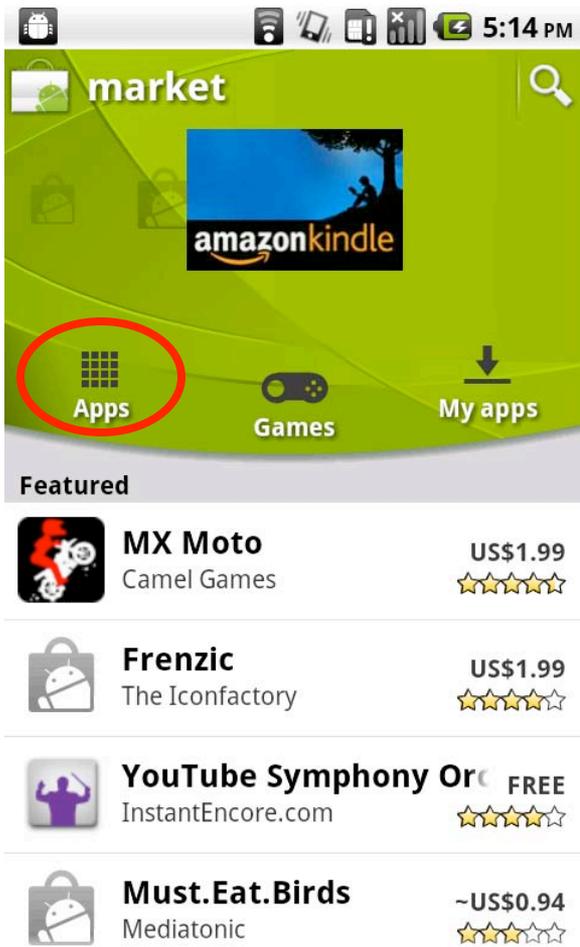


The Market main menu displays a list of Featured Apps and the following options:



The Market main menu displays a list of Featured Apps and the following options:

Search: Search apps for keywords



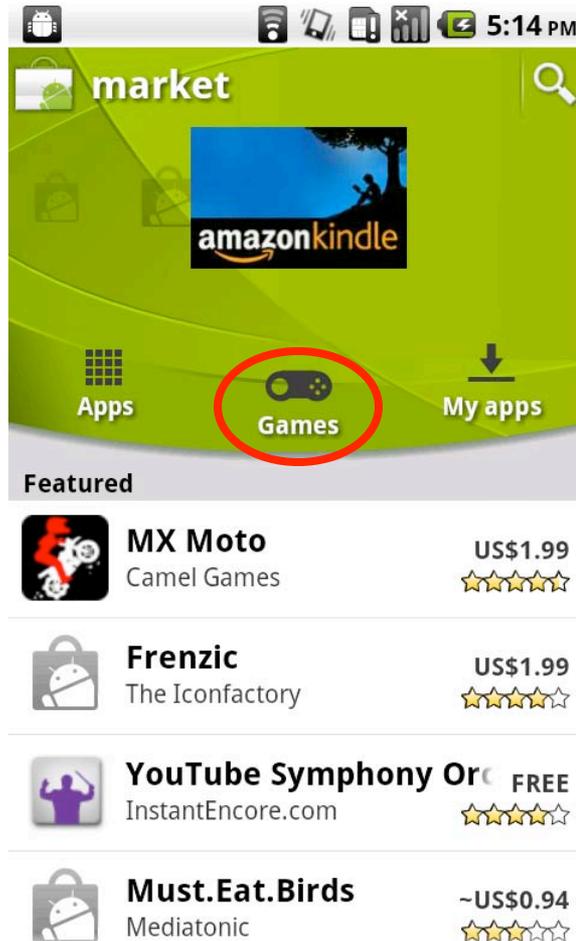
The Market main menu displays a list of Featured Apps and the following options:

Search: Search apps for keywords

Apps: Browse applications



Android: Android Market

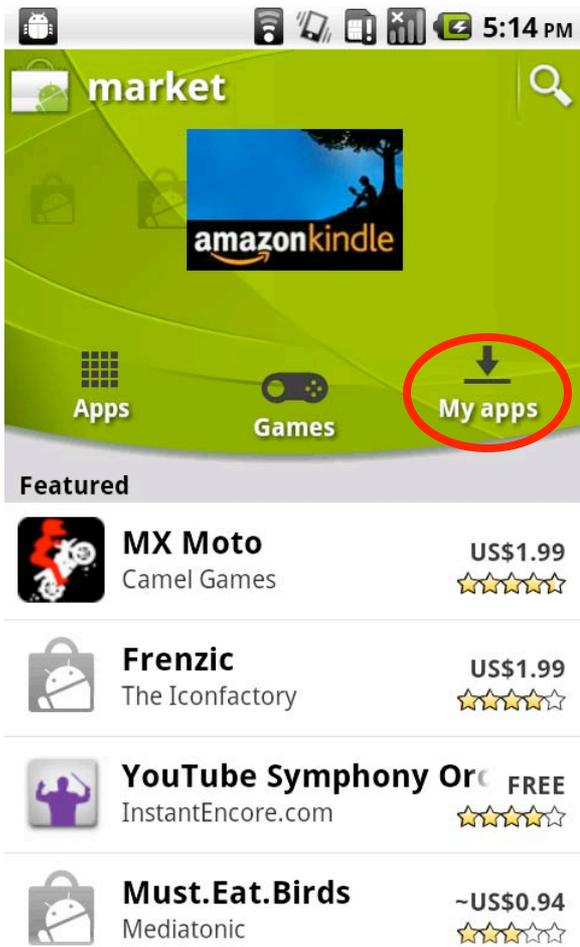


The Market main menu displays a list of Featured Apps and the following options:

Search: Search apps for keywords

Apps: Browse applications

Games: Browse game applications

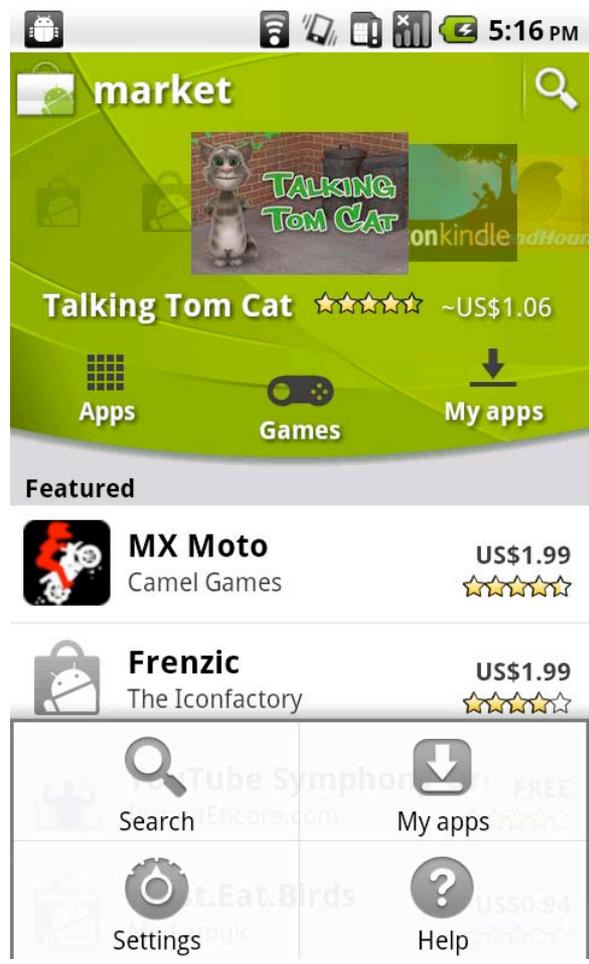


The Market main menu displays a list of Featured Apps and the following options:

- Search: Search apps for keywords
- Apps: Browse applications
- Games: Browse game applications
- My apps: Display downloaded and installed applications



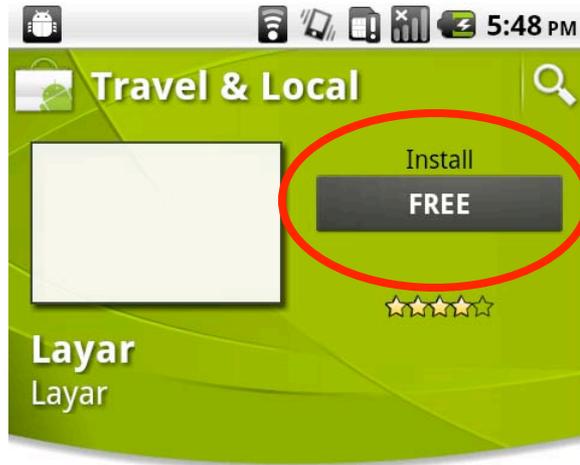
Android: Android Market



The Menu button on your Android device will open an application menu offering additional options, including Settings and Help.

If you are not on the Market Home screen, the Home icon will also be visible.





To download an app, press the Install button on the application details screen.

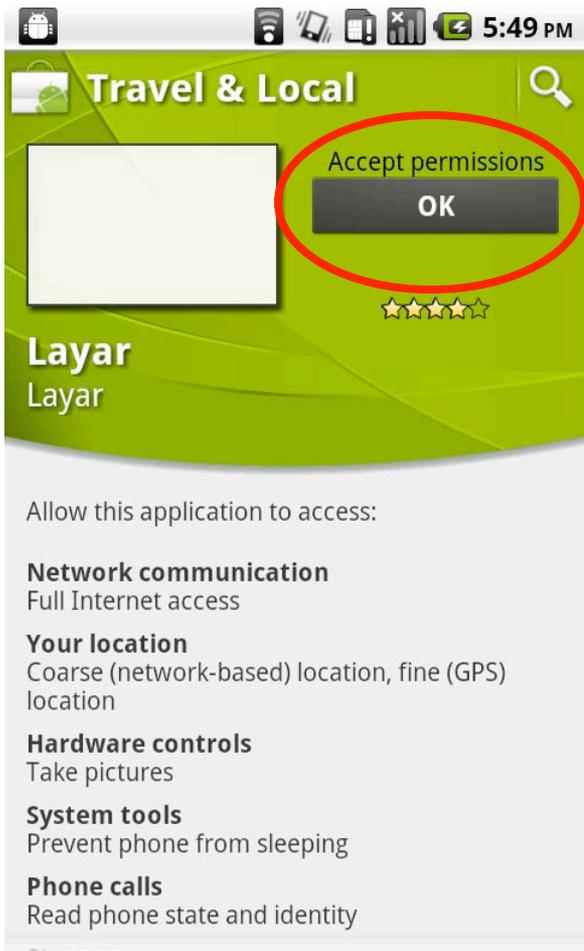
Description

The Layar Reality Browser is a mobile platform for discovering information about the world

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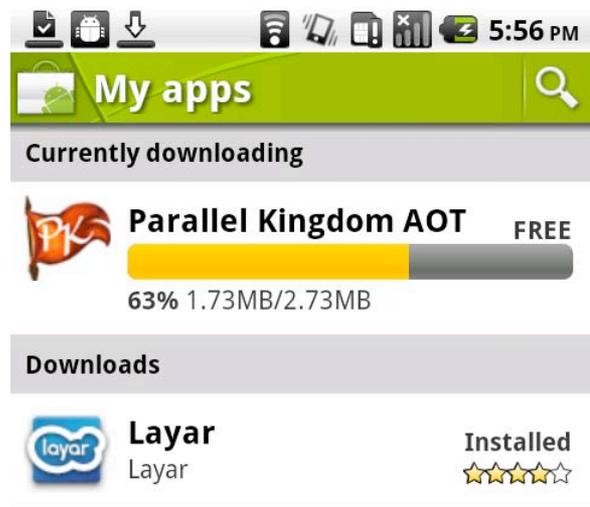
Version 4.0.3 1.75MB

>250,000 downloads 25136 ratings



Market will then tell you what information and device functions the app will be allowed to access.

Touch the “Accept permissions” button to confirm and begin your download.



My apps shows you which apps you have downloaded and installed, as well as the progress of apps currently downloading.



Android: Custom Interfaces

Some device manufacturers will overlay a custom user interface on top of the standard Android interface.

One example is the "Tap 'n Tap" (TNT) skin used on the ViewSonic 10" GTablet. The TNT interface provides an easy-to-use dashboard style home screen with three different customizable layouts.





Android: Custom Interfaces

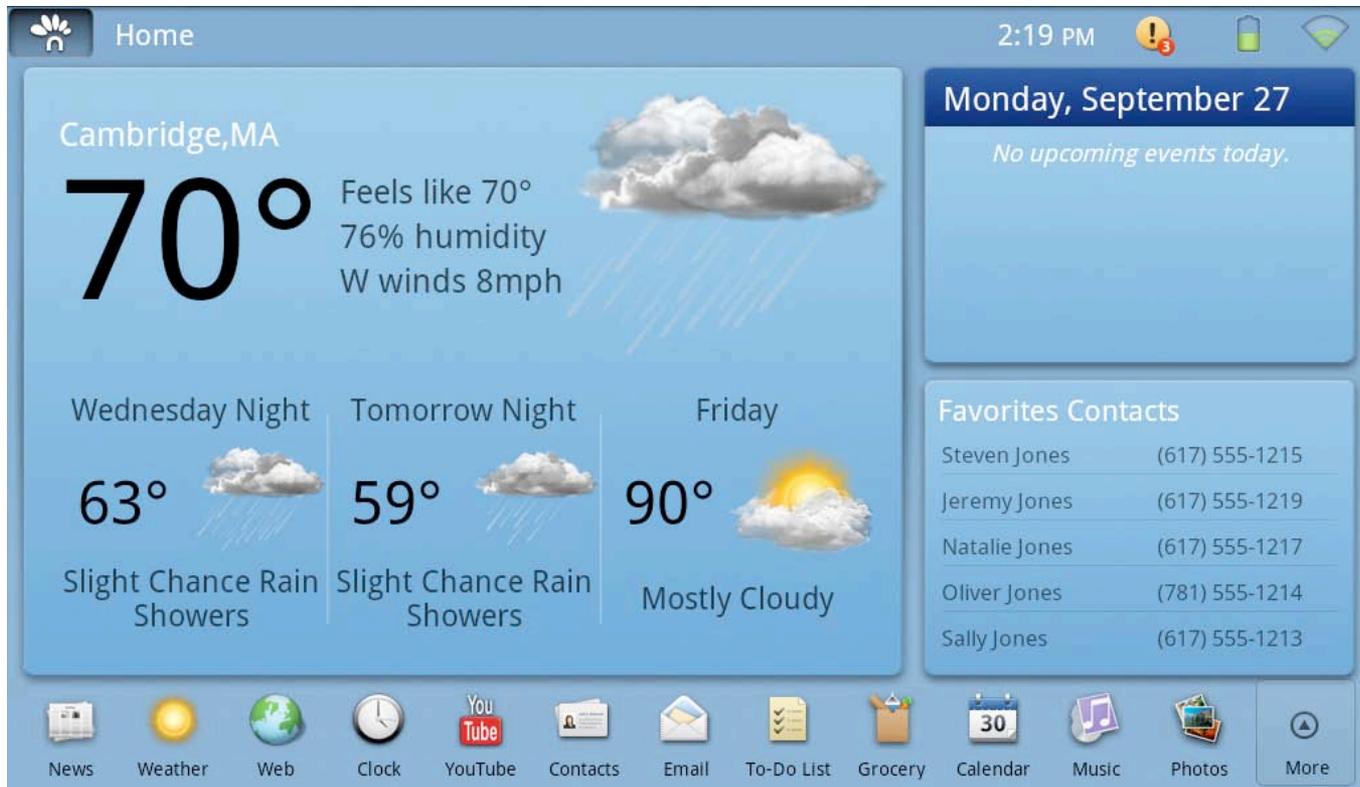
Each of the three content areas can be configured to run a variety of dashboard widgets including e-mail, music player, photo galley, calendar and more.





Android: Custom Interfaces

Each of the three content areas can be configured to run a variety of dashboard widgets including e-mail, music player, photo galley, calendar and more.





Android: Custom Interfaces

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Android: Custom Interfaces

The TNT interface features an apps “drawer” holding all the applications you would find in your standard Android launcher.



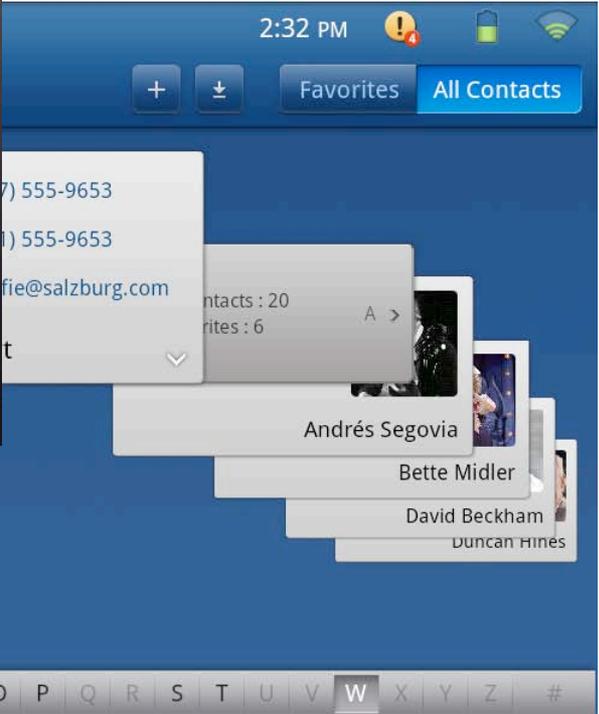
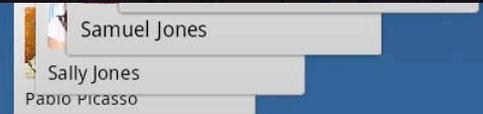


What will you do with your Android?



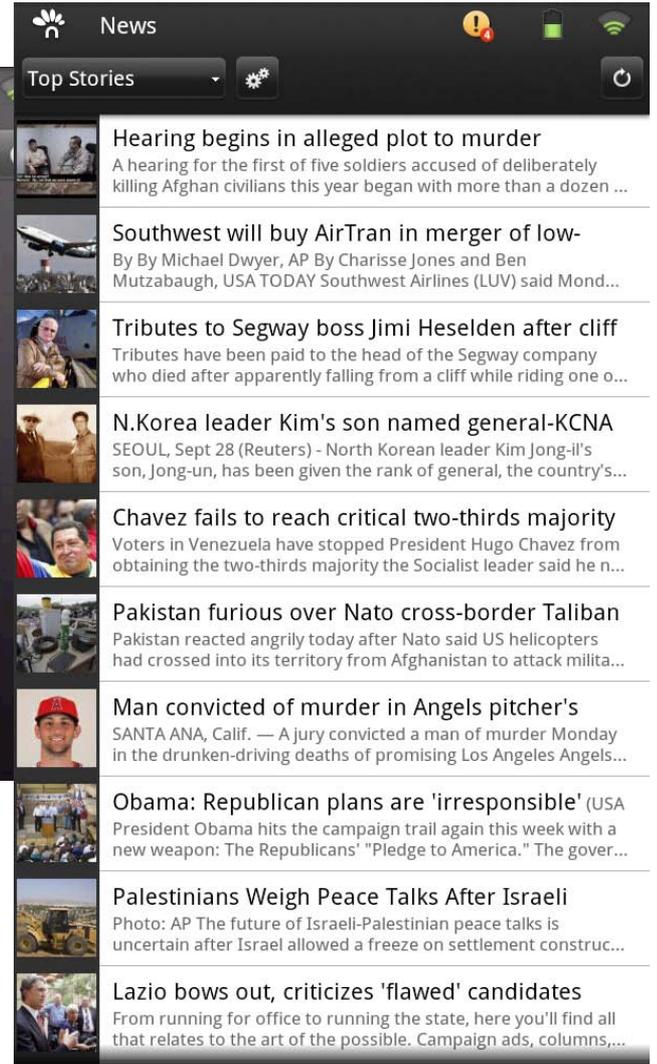


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What will you do with your Android?





What will you do with your Android?

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By JAD MOURAD 1:20 PM ET

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By MARK McDONALD and CHOE SANG-RUN 26 minutes ago

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Video via Reuters

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By ITHAN BRUNNER 25 minutes ago

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By DAVID M. HALBINGHER 46 minutes ago

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By NIREYA NAVARRO 1:19 PM ET

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By DANIEL J. WAGNER 7 minutes ago

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By DANIEL J. WAGNER 1:20 PM ET

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-0.11%	+0.11%	-0.19%

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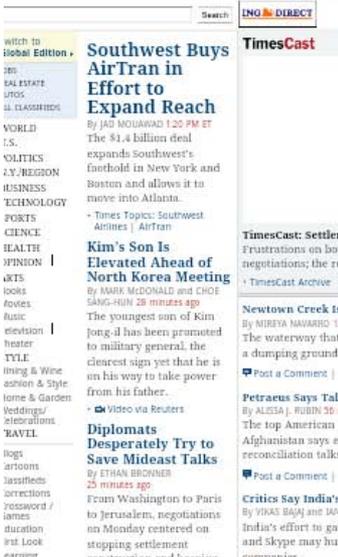
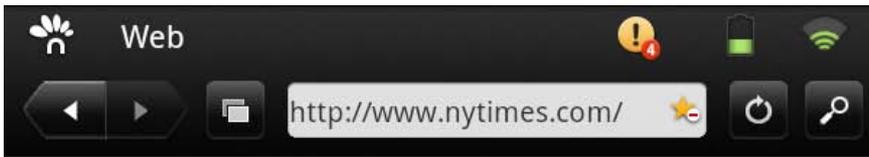
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Family	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Mom	29	30	31	1	2	3	4
Dad	5	6	7	8	9	10	11
Natalie	12	13	14	15	16	17	18
Jeremy	19	20	21	22	23	24	25
Samuel	26	27	28	29	30	1	2
Oliver	3	4	5	6	7	8	9

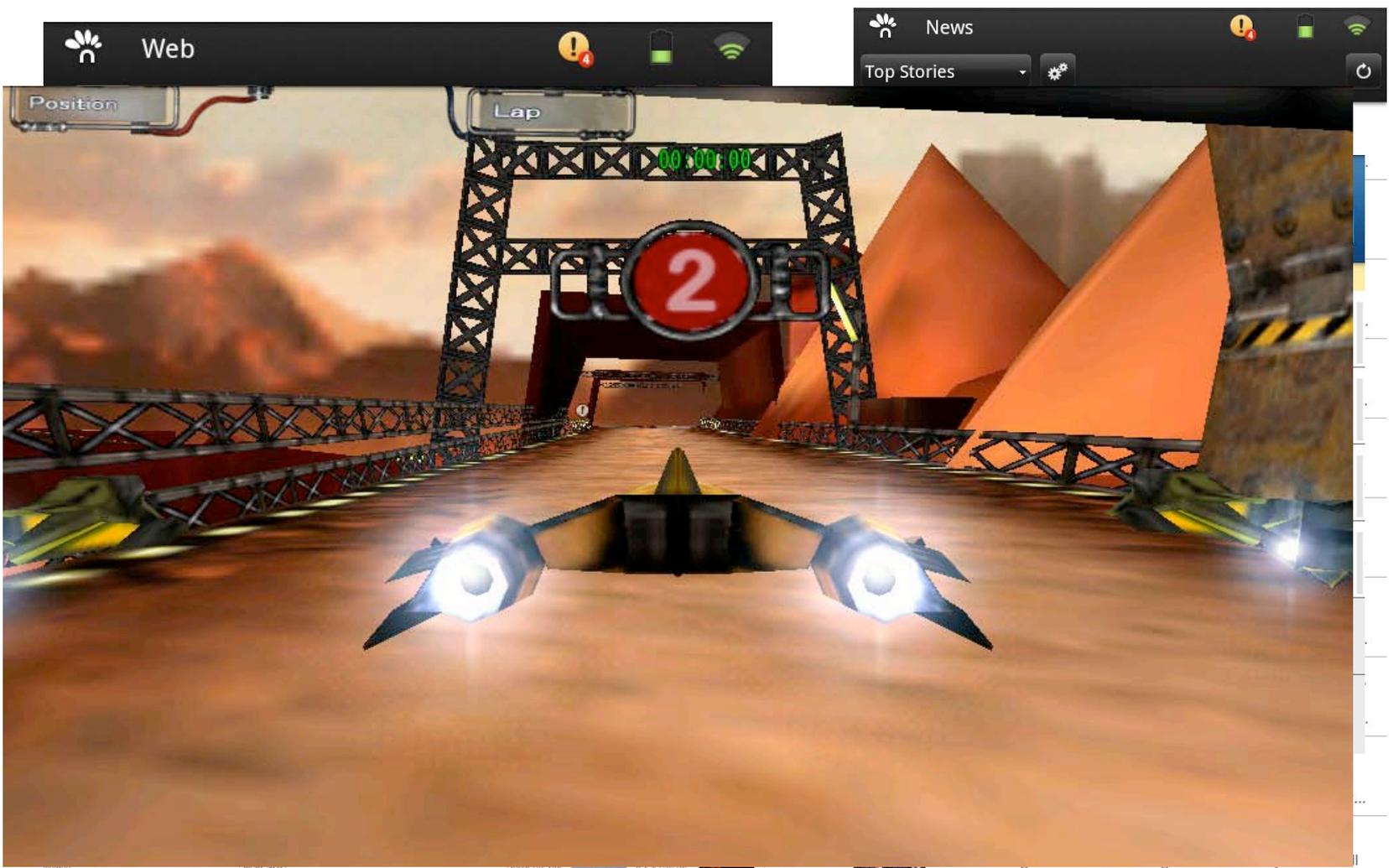


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