



# **Android Topics**

## **April 23, 2014**

In this session, we will discuss and demonstrate various Android features and applications to enhance your overall device experience.

The balance of the session will be devoted to answering your individual questions.

1. GOOGLE NOW combines the best of google search and key information that you'll want to access quickly throughout the day
2. MULTIPLE USER ACCOUNTS are easy to set up on a tablet so that you can share with other family members
3. PHOTO SPHERE allows you to take pictures that you can navigate as well as view
4. GOOGLE CLOUD PRINT allows you to print from your Android device anywhere you can connect to the internet
5. GESTURE TYPING allows you to input by sliding your finger around the keyboard instead of tapping at the keys
6. GOOGLE GPS & MAPPING APPS will help you find your way, locate restaurants and other facilities, and find your parked car
7. VOICE CONTROL is a powerful tool that has numerous hands free commands for your device

**GOOGLE NOW** is an intelligent personal assistant tool developed by Google that is available within the Google search mobile application for the Android and iOS operating systems. Google Now uses a natural language user interface to answer questions, make recommendations, and perform actions by delegating requests to a set of web services. Along with answering user-initiated queries, Google Now passively delivers information to the user that it predicts they will want, based on their search habits. It was first included in Android 4.1 (Jelly Bean), which launched on July 9, 2012. The service was made available for iOS on April 29, 2013 in an update to the Google Search app. Popular Science named Google Now the "Innovation of the Year" for 2012.

The screenshot displays the Google Now interface with several widgets:

- Boarding Pass:** Shows flight details for United 286, including the name Mr Johnny Smith, booking number E12345678, a QR code, and flight information (SFO to JFK, Group 7, Seat 23B, Departing at 7:05am on November 14, 2013).
- Activity Summary:** Displays "25 miles in August" (6 miles less than July) and a breakdown of activity for July & August: 21 miles walking (21 miles walking) and 10 miles cycling (4 miles cycling).
- Next Appointment:** Lists an "Agency Meeting" at 11:30 AM on Ninth Ave, New York, NY 10011, with an option to "Email guests".
- Traffic & Transit:** Shows "57 minutes to work" with "Normal traffic on US - 101" and a map of the San Francisco area.
- Flights:** Displays a flight from London (LON) to JFK on British Airways BA02, scheduled to depart in 2 hours 56 minutes at 6:45 PM from Terminal T2, Gate 51A.

## Weather

San Francisco



63°

SCATTERED  
CLOUDS



5mph



10%

TUE



68°

48°

WED



67°

44°

THU



65°

48°

FRI



57°

46°

## Hotels

The Connaught Hotel

Carlos Place, Mayfair, London W1K 2AL, United Kingdom

Check in from 12:00pm today



Call



Hotel information



View email

## Restaurant Reservations

Le Gavroche

43 Upper Brook Street, London, W1K7QR

Reservation in 1 hour

Journey time walking 45 minutes



Get Directions



View email

## Friends' Birthdays



Conrad  
Kent

Birthday today



Wish happy birthday

## Location Reminders

Take out the trash

At home



Snooze

## Events

Walking  
with  
Dinosaurs

The O2 Arena  
Peninsula Square  
London SE10 ABC



Ticket Reminder  
Show starts at 7:00pm



View email

## Your Birthday

Happy Birthday!



You are 1,262,304,000 seconds young today.

## Event Reminders



Ice Age

## Packages

### Chromecast

Shipped - 1 min ago

2 items from  
Google Play

Estimated arrival  
Wednesday, Dec 26



[Track package](#)

[View email](#)

## Time Reminders

### Pick up milk

This evening

[Remind me tonight](#)

## Zillow

Continue your real estate research

### 1787 Garden Walk APT 101

New York NY 10035



For Sale

\$2,450/mo

Size

950 sq ft

## Sports



Red Sox

4



Cardinals

2

Final, October 27 - World Series

[Recap & highlights](#)

[Box score](#)

## Concerts



### The Prodigy

Shoreline Amphitheatre  
Saturday, August 25

Concert by an artist you may be interested in

## Developing story & breaking news

News related to a story you read earlier

### Democratic convention: Obama arena speech venue moved

Source: BBC News - 27 minutes ago

[Read full story](#)

## Movies



### Ice Age

John Leguizamo, Ray Romano  
U, 1 hr 15min

Cineworld - haymarket, London  
12:00, 1:30, 4:30, 10:25pm

[Search for more theatres](#)

## Stocks

### Stocks today

Updated: May 8, 5:48pm EST

GOOG	1,130.18	16.00	1.44%
CLX	71.76	-0.46	-0.64%
F	9.09	0.17	1.91%
VZ	44.46	-0.16	-0.36%
TMUS	31.86	-0.17	-0.53%

[Show more](#)

[Disclaimer](#)

## Research topic

### Trip to Versailles

"Versailles' Top 10 tourist attractions" and other

\$2,450/mo 950 sq ft

Rooms On the market  
2 beds, 1 bath 11

Type Built  
Condo 1955

Next open house - Sat 12th June 12 - 4pm

[Show similar homes for sale](#)

[Show comparable homes sold](#)

### New books



Engel der Nacht

Becca Fitzpatrick

Available now. You searched for this author

Google Play

### Public alerts

Winter storm warning

Madison, WI – Feb 16, 4:35pm CST



The National Weather Service has issued a Winter Storm Warning until 10pm today for Dane and Green counties. Winter Weather Advisory is no longer in effect.

Public alert near your home

### Fandango



Ice Age

Show starts at 6:45pm

John Leguizamo, Ray Romano

Name  
Mr John Smith

Booking number  
E12345678



Seat	Row	Section
128	K	Front

Tue, May 12, 2013  
AMC Mercado, Santa Clara, CA

Ticket type: Black Pack



[Navigate / 20 min](#)

[View email](#)

### Places

Tate Britain

9:00 am - 5:00pm

turner prize-contemporary art



[More details](#)

### updates



### New video games



Yummy Smash

Available now on Microsoft Windows and Xbox 360. You searched for this video game

### Nearby events

Nearby events

Organic Farmers' Market

Curry Village  
10:30am - 2:00pm

Food and Dining



Everything Was Moving

Barbican Centre, Silk Street  
1:00pm - 4:00pm

Performing Arts



Real Ale Meetup

The Id Crow, Smithfield  
6:00 - 10:00pm

Food and Dining



[Show more](#)

### Translation

# How to Add Another User to Your Android Tablet

By [Dan Gookin](#) from [Android Tablets For Dummies](#)

Computers have had the capability to allow multiple users for some time. Your Android tablet is the same, it can have more than one user account.

Some tablets allow you to configure multiple users — several people who can have their own custom Home screen, widgets, and other options on a single tablet.

To add another user, follow these steps:

- 1. Open the Settings app and choose Users.**

If you don't see a Users category, your tablet doesn't have this feature.

- 2. Touch the Add User button.**

- 3. Read through the information (or not) and touch OK.**

- 4. Configure the new user.**

Touch the Set Up Now button to configure the user or, better, hand the tablet to the other user and let that person configure it. The configuration process is basically the same setup procedure you suffered through when you first turned on the tablet.

All accounts on the tablet are listed at the bottom of the lock screen. To have someone else use the tablet, lock the screen and then have the other user unlock the tablet. Touch the user account circle at the bottom of the screen to use the tablet as that person.

- You should apply a PIN or password to your account if you're going to have multiple users on a single Android tablet.
- The tablet's first user (most likely you) is the main user, the one who has primary administrative control.
- When you're done using the tablet, lock the screen. Other users can then access their own accounts.
- You can check to see which account you're using by viewing the Quick Actions shade. The current user is shown as an icon in the shade.
- Remove an account by visiting the Users screen in the Settings app. Touch the Trash icon next to an account to remove it. Touch the Delete button to confirm.
- Many people don't like having separate users on their tablets. It makes a simple device complicated. With the tablet's low cost, it just makes more sense to have a second user get his or her own Android tablet.

# What Is an Android Photo Sphere

By [Marziah Karch](#)

Android Jelly Bean 4.2 has a cool hidden feature in the Android camera. The Photo Sphere. Photo Spheres are panoramic images on steroids. You can take 360 degree images of the entire room, the entire outdoors, or just a portion. Note this is a feature for Android 4.2. It's still Jelly Bean, but it's an updated version that started rolling out to some phones in October 2012. The previous version didn't have Photo Sphere as a feature.

To take a Photo Sphere:

1. Go to the camera. Tap on the camera icon and pick the item that looks like a small globe with a panorama stretched over it. That's the Photo Sphere mode.
2. Take a picture as normal.
3. Keep your camera steady.
4. You should see a message to align your camera with the blue dot. Tilt your camera up, down, left, or right slowly to match the center of the screen with the blue dot for the next area. The picture will snap automatically when you get there.
5. Keep going for as long as you wish to take as many images as possible and make your complete Photo Sphere.
6. Note - this may look a little weird if you try to take pictures of people, since they tend to move between shots. Landscapes and interior shots are your best bets.



# Google Cloud Print

## Print anywhere, from any device.

Google Cloud Print is a new technology that connects your printers to the web. Using Google Cloud Print, you can make your home and work printers available to you and anyone you choose, from the applications you use every day. Google Cloud Print works on your phone, tablet, Chromebook, PC, and any other web-connected device you want to print from.

Google Cloud Print has tons of support in Android, of course, with a [dedicated Android app](#) and cloud printing support in the [Google Docs Android app](#). You can also use third-party apps such as [PrinterShare™ Mobile Print](#) and [Easy Print](#) to get even more printing support out of Android. iOS users can check out PrintCentral Pro for [iPhone and iPod touch](#) or [iPad](#) to print with Google Cloud Print as well. Any mobile device can utilize cloud printing services by simply using Google's mobile web apps. Just visit [m.google.com](http://m.google.com) on your mobile device to get started.

[www.google.com/cloudprint/learn](http://www.google.com/cloudprint/learn)


[www.google.com/landing/cloudprint](http://www.google.com/landing/cloudprint)

# Connect your classic printers with Google Cloud Print

If your printer is Cloud Ready, follow your manufacturer's provided instructions or see [setting up your Cloud Ready printer](#).

To connect your classic printer, enable the Google Cloud Print connector on any (non-Chrome OS) computer that is already connected to your printer and able to print. You'll need [Google Chrome](#) to be installed on the computer. If you're using Windows XP, make sure you also have the [Windows XP Service Pack 3 \(SP3\)](#) installed.

Once Google Chrome is installed, follow the steps below to enable the Google Cloud Print connector in Google Chrome.

1. Log in to your user account on the Windows, Mac, or Linux computer.
2. Open Google Chrome.
3. Click the Chrome menu  on the browser toolbar.
4. Select **Settings**.
5. Click the **Show advanced settings** link.
6. Scroll down to the "Google Cloud Print" section. Click **Manage**.

## Google Cloud Print

Set up or manage printers in Google Cloud Print. [Learn more](#)

Manage

7. The next screen will show a list of devices already registered with Google Cloud Print, and new devices available on the network.
8. In the "Classic printers" section, click **Add printers**.

## Classic printers

You can add classic printers connected to your computer to Google Cloud Print.

Add printers

9. You'll see a confirmation that Google Cloud Print has been enabled. Click **Manage your printers** to learn more.

The printer is now associated with your Google Account and connected to Google Cloud Print. You can print to this printer using Google Cloud Print whenever you're signed in with the same Google Account.

# Try Gesture Typing

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Some or all of this information applies only to devices running Android 4.2 and higher.

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*Gesture typing works best for English. Quality varies for other languages, and some don't support it yet.*

To input a word using Gesture Typing:

1. Touch the location where you want to type to open the keyboard.
2. Slide your finger slowly across the letters of the word you want to input.
3. Release your finger when the word you want is displayed in the floating preview or in the middle of the suggestion strip.  
To select one of the words in the suggestion strip, touch it.

If the word you want isn't shown while using Gesture Typing, you can type it out manually. If you gesture a word and want to change it, touch the word to see other choices in the suggestion strip.

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**Tip:** If there are letters you want to emphasize - for instance, if the keyboard displays a similar word instead of the one you want - hover over it slightly longer before moving on to the next letter.

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## Use Gesture Typing without the space bar

When you use Gesture Typing, there's no need to use the space bar—just continue to slide your finger across the letters you want to input, then lift your finger to start the next word.

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## Turn off Gesture Typing

Gesture Typing is on by default. To turn it off, go to **Settings > Language & input > Keyboard & input methods > Google Keyboard**. Then touch **Settings > Gesture typing > Enable gesture typing**

# Google Maps Navigation

From Wikipedia, the free encyclopedia

**Google Maps Navigation** is a [mobile application](#) that comes as a feature of the [Google Maps for Mobile](#) application for [Android](#) and [iPhone](#), developed by [Google](#). The application uses an [Internet connection](#) to a [GPS](#) navigation system for turn-by-turn voice-guided instructions on how to arrive at a given destination. This application is only available for Android devices.

The application requires connection to Internet data (e.g. [3G](#), [4G](#), [WiFi](#), etc.) and normally uses a GPS satellite connection to determine its location. A user can enter a destination into the application, which will plot a path to it. The app displays the user's progress along the route and issues instructions for each turn. The application's [beta release](#) was released on October 28, 2009, accompanying the release of [Google Android OS 2.0 \(Éclair\)](#)

## Features

### Search[[edit](#)]

Instead of searching for an address or a street name, the application can also search by name, for example guide the user to a nearby restaurant by being given the name of the restaurant. The application can also take phrases such as “a place with burgers” and suggest nearby destinations that match the phrase.<sup>[6]</sup> The application can receive a voice input instead of typing the destination on the device.

## Multiple Views

- **Traffic:** The application's [traffic congestion map](#) shows the route marks with different colours based on the current traffic along the route. The traffic is measured by data from local road services such as highway cameras, as well as speed and location information from other Android devices that are accessing Google Maps for Mobile.<sup>[7]</sup>
- **Satellite:** The application displays a route from a bird's eye view using Google's satellite imagery.
- **Street:** The [Google Street View](#) feature displays a route from first-person view as which automatically changes as the user travels along the route.

## Car Dock Mode

Users can dock their Android device in a car using a special car dock for the device (which may or may not come with the device). Once docked, the device will enter this mode, enabling for easier access to the navigation features at an arm's length.

## Walking & Transit

The application provides voice navigation for walking and transit directions. The transit directions are available in 400 cities around the world.

## Offline Guidance

Once the user has searched for a destination, the map will cache along the intended route. Note that the application requires an Internet connection to search for the route, but once a route has been found, the user no longer requires an Internet connection as the route is temporarily saved onto the device.

# Google

List of Google Now voice commands. "Okay Google, ..."

## General Commands



"Search for [chicken recipes]?"  
"Say [how are you] in [Spanish]?"  
"What is [Schrodinger's cat]?"  
"Who invented [the internet]?"  
"What is the meaning of [life]?"

"Who is married to [Ben Affleck]?"  
"Stock price of [Apple]"  
"Author of [Game of Thrones]"  
"How old is [Michael Jordan]?"  
"Post to Google+ [feeling great]"

## Notes & Reminders



"Remind me to [buy milk] at [5 PM]"  
"Remind me [when I get / next time I'm at] [home / work / other location] [to send an email to John]"  
"Wake me up in [5 hours]"  
"Note to self: [I parked my car in section D]"  
"Set alarm for [8 PM]"

## Time & Date



"What time is it in [Tokyo]?"  
"When is the sunset [in Chicago (optional)]?"  
"What is the time zone of [Berlin]"  
"Time at home"  
"Create a calendar event: [Dinner in New York] [Saturday at 8 PM]"

## Communication



"Call [Daniel]"  
"Send [email] to Daniel, [Subject: Meeting], [Message: Will be there in 5]"  
"Send [SMS] to Philipp mobile, don't forget to buy milk"  
"[Contact name]"

## Weather



"Weather"

"Is it going to rain [tomorrow / Monday]"

"What's the weather in [Boston]?"

"How's the weather in [Portland] on [Wednesday] going to be?"

## Maps & Navigation



"Map of [Flagstaff]"

"Show me the nearby [restaurant] on map"

"Navigate to [Munich] on car"

"How far is [Berlin] from [Munich]?"

"Directions to [address / business name / other destination]"

## Conversions & Calculations



"What is the tip for [125] dollars?"

"Convert [currency / length ...] to [currency / length ...]"

"How much is [18] times [48]?"

"What is [45] percent of [350]?"

"Square root of [81]"

"..... equals"

## Sports



"How are [the New York Yankees] doing?"

"When is the next [Los Angeles Lakers] game?"

"Show me the [Premier League] table"

"Did [Bayern Munich] win their last game?"

## Flight Information



"Flight [AA 125]?"

"Flight status of [AA 125]"

"Has [LH 210] landed?"

"When will [AA 120] land / depart?"

## Web Browsing



"Go to [Huffington Post]?"

"Open [xda.com]"

"Show me [android.com]"

"Browse to [reddit.com]"

## Entertainment



"Listen to / play [Intro] by [The XX]?"

"YouTube [fail compilation]?"

"Who acted in [Ocean's 11]?"

"Who is the producer of [Gladiator]?"

"When was [Alien] released?"

"Runtime of [Avatar]"

"Listen to TV"

"What's this song?"

## Easter Eggs



"Do a barrel roll"

"What's the loneliest number?"

"Make me a sandwich!"

"When am I?"

"Okay Jarvis, ..." (Instead of "Okay Google, ...")

"Who are you?"

"How much wood could a woodchuck chuck if a woodchuck could chuck wood."

"Beam me up, Scotty!"

More

