

# ULTIMATE GUIDE TO Samsung Galaxy

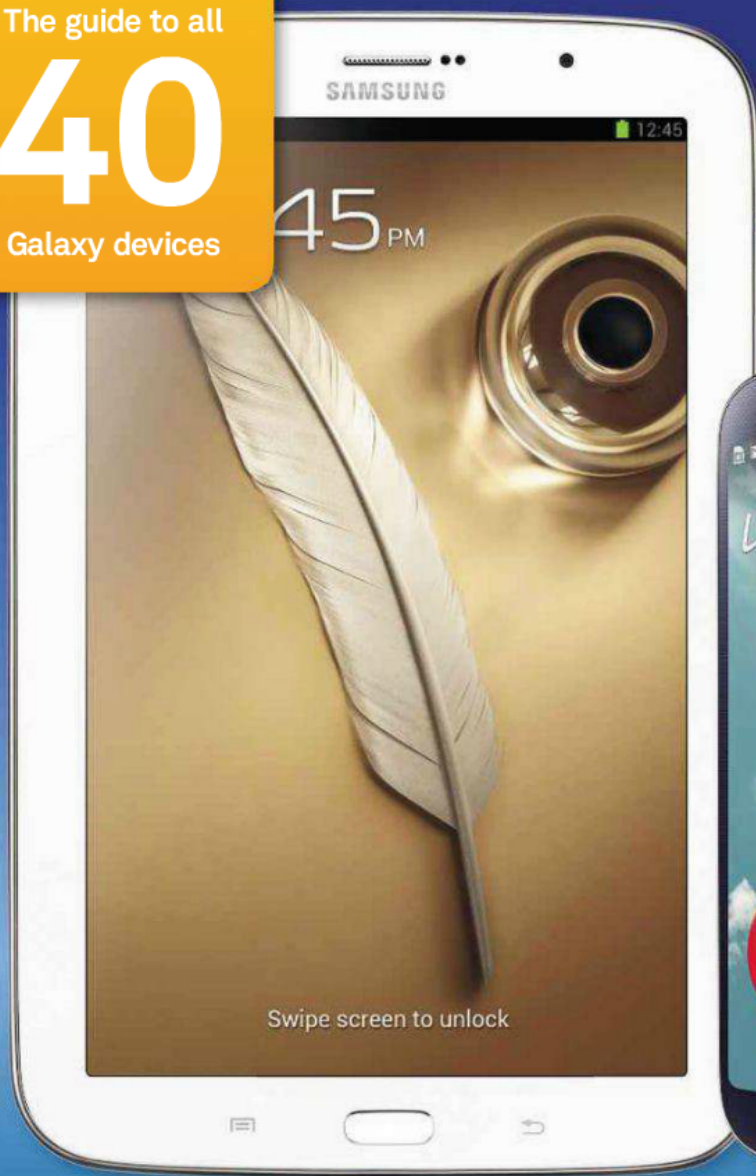
The guide to all

# 40

Galaxy devices

- ➔ Find out how to do anything with your Samsung Galaxy device
- ➔ Top 50 must-download apps
- ➔ Updated for Jelly Bean 4.2

Includes the new  
Samsung Galaxy S4







## Welcome to the Ultimate Guide to Samsung Galaxy

If 2012 was the start of something big for Samsung, 2013 promises to escalate this success to a whole new, well, Galaxy.

Welcome to the second edition of the Samsung Galaxy MagBook - new for 2013.

If you have the first edition of the Galaxy MagBook, you'll notice quite a few updates. We have more devices including the Samsung Galaxy Note 8.0, Galaxy Fame, Ground and Express and, of course, the Samsung Galaxy S4.

Our top 50 apps list has been refreshed to ensure they really are the pick of the bunch. What's more, many of the guides have been updated to help you get even more from your device.

If this is your first Ultimate Guide to Samsung Galaxy, welcome. We hope you'll find this guide helpful in getting you up and running and ensure you can make the most of your Galaxy smartphone, tablet or phablet.

Written by the Know Your Mobile team of Samsung Galaxy experts, we hope you find it useful, whether you're a first time user or seasoned pro.

**Clare Hopping**  
Group editor, Know Your Mobile



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### Contributors

Editor Clare Hopping  
Contributors Paul Briden, Richard Goodwin,  
Basil Kronfli  
Sub editor Maggie Holland  
Designer Leon David

### Management

MagBook Publisher Dharmesh Mistry  
Digital Production Manager Nicky Baker  
Operations Director Robin Ryan  
Managing Director of Advertising Julian  
Lloyd-Evans  
Newstrade Director David Barker  
Chief Operating Officer Brett Reynolds  
Group Finance Director Ian Leggett  
Chief Executive James Tye  
Chairman Felix Dennis

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## Chapter 1

# Introduction to Samsung Galaxy

## Introduction to Samsung Galaxy

Whether you have a Samsung Galaxy smartphone, phablet or tablet, one thing all three have in common is that they run on Google's Android operating system.

The first Samsung Galaxy device was the Samsung Galaxy, launched in June 2009, when Google's mobile operating system was only a year old.

Since that first device was launched, Samsung has expanded its Android-based hardware to include low end devices such as the Samsung Galaxy Young, mid-rangers and flagship smart phones such as the Galaxy S4, Galaxy Note smartphone-tablet hybrids and Galaxy Tab tablets.

Although not a device to suit everyone's tastes, smartphones such as the Samsung Galaxy Beam with a built in projector marks one of Samsung's core strengths: innovation

Most Samsung devices run Samsung's Touchwiz UI on top of the Android operating system, although some - such as the Google branded Galaxy Nexus and Nexus 10 - run vanilla Android, which is a more bare-bones experience, but is still favoured by many.

A customised UI like Samsung's Touchwiz provides slightly tweaked settings, menus and interface elements plus Samsung's visual style for apps and themes.

Android is one of the most-used operating systems in the world with 1.35 million Android devices activated in a day and 750 million in use around the world, according to stats from Google itself.

The first section in this MagBook will talk you through the differences in Android versions and Samsung's Touchwiz UI.



# Samsung Galaxy timeline

## 2009

### June 2009

Samsung Galaxy launched as first Samsung Galaxy Android smartphone.

## 2010

### June 2010

Samsung Galaxy S flagship launched.

### November 2010

Samsung Galaxy Tab launched.



## 2011

### May 2011

Samsung Galaxy S II launched.

### June 2011

Samsung Galaxy Tab 10.1 launched.

### August 2011

Samsung Galaxy S Plus launched.

### October 2011

Samsung Galaxy Note launched as first S Pen stylus-driven five inch smartphone.

### November 2011

Samsung Galaxy Nexus launched as first Samsung-made Google Nexus handset.





## 2012

### April 2012

Samsung Galaxy S Advance launched.

### May 2012

Samsung Galaxy S III flagship launched.

### July 2012

Android Jelly Bean 4.1 arrived for Galaxy Nexus. Android Ice Cream Sandwich 4.0 update rolled out for Galaxy S II and Galaxy Note.

### August 2012

Samsung Galaxy Note 10.1 launched. Galaxy Tab range updated to Android Ice Cream Sandwich 4.0.

### October 2012

Samsung Galaxy Note II launched. Android Jelly Bean 4.1 update rolled out for Galaxy S III.

### November 2012

Android Jelly Bean 4.1 update rolled out for Galaxy Note 10.1.

## 2013

### February 2013

Samsung Galaxy Note 8.0 launched, Android 4.2 rolled out to Samsung Galaxy Nexus.

### March 2013

Samsung Galaxy S4 launched at 'Samsung Unveiled' in New York.



# Explaining Android versions



## 2.1 Eclair

Android 2.1

Android 2.1 Eclair is the earliest build of Android you'll find on Samsung Galaxy phones, although most can now be upgraded to at least 2.2 Froyo or higher.

Eclair brought with it deeper account syncing than previous versions, allowing users to add a wider variety of email and social networking accounts, including Exchange email support and merged inbox capabilities.

This is also the version where contact cards became richer and infinitely more usable, with call, text and email options all in one place, along with a variety of other interaction options. Messaging also benefits from a search function and an auto-delete toggle for old messages.

The browser's updated interface has been improved with a double-tap zoom function and HTML5 support. Overall system performance and interface responsiveness is better than earlier builds too.

## 2.2 Froyo

Android 2.2

Android 2.2 Froyo is still in circulation on some early models (now largely budget-priced) in the Galaxy range. While there are devices that ship with 2.1 Eclair, most can be immediately upgraded to Froyo straight out of the box.

It's faster, more efficient and more stable than its predecessors and Google has also added a customisable search bar allowing you to choose whether the phone searches apps, contacts, the internet, or all three. Phone and browser shortcuts are included in the main navigation bar for quick and easy access.

The built-in browser speed is faster than before, while phones running this build support USB and Wi-Fi Hotspot tethering. Froyo also allows for microSD storage to be used for app installation and app data.

In terms of security, you have the option of using a PIN, password or gesture lock. Microsoft Exchange email support was updated to include options for security policies, calendar synchronisation, remote wipe and more. You can also toggle mobile network data access on or off very quickly and easily.



## 2.3 Android 2.3 Gingerbread

Version 2.3 Gingerbread's interface layout, design and controls are much slicker and more intuitive than earlier builds, while performance and reliability are also much improved.

An app management suite gives users greater control over installed apps and over running apps at any given time.

This also incorporates an active app manager feature where the operating system monitors activity and shuts off apps that hog system resources. A download manager has also been added to help you keep track of files, apps and the like.

Devices with Gingerbread and above can use their gyroscopes and motion sensors with compatible motion control games.

The touch keyboard has received an overhaul and is much easier to use and the operating system natively supports an enhanced copy and paste function at all levels.



## 3.2 Android 3.2 Honeycomb

Honeycomb was specifically engineered for tablets and most devices running it can now immediately be updated to at least version 4.0 Ice cream Sandwich (ICS).

Its arrival was also the beginning of Android's excellent 'Holo' UI, which gave everything some much-needed spit and polish. Once again, performance was improved compared to earlier versions.

Notably, Honeycomb brought the touch keyboard in-line with rival offerings in terms of fluidity, accuracy and responsiveness. This was also the first version to introduce the highly useful multitasking carousel.

The interface is also well-optimised for the tablet format thanks to an emphasis on thumb control and the fact that all notifications are put in a combined settings and notification menu, which is highly detailed with system information.

Browser performance has been improved hugely too, as well as introducing tabbed browsing.

# Explaining Android versions



## 4.0 Android 4.0 Ice Cream Sandwich

Android 4.0 builds significantly on previous versions. Performance is incredibly quick, even on devices which struggled with Gingerbread and earlier iterations. Stability is also excellent and really brings Android up to speed with its rivals.

The update is more significant for smartphones as it extends some of the previously tablet-only Honeycomb features to additional form factors.

Primarily, this comes in the form of interface tweaks, a cohesive visual style and the multitasking carousel for quickly switching between apps. There's also a newly added swipe-to-close feature, giving you greater control on the surface. This is also the first time Android smartphones have gained a settings menu shortcut in the notifications bar.



## 4.1 4.2 Android 4.1/4.2 Jelly Bean

Jelly Bean took performance and stability even further and overall system smoothness was greatly enhanced. The addition of the Butter UI means the display synchronises with the operating system to provide seamless visuals and touch responsiveness with virtually no latency. Notifications are now expandable for more detail at a glance, while the swipe-to-close function now exists in many other UI areas outside of the multitasking carousel.

Jelly Bean also introduced Google Now, a notification service which merges Google Search, Google Maps and Google Voice into a unified platform. This provides useful information relevant to your regular commutes, weather reports, local points of interest and much more. The voice component is one of the best on the market too.

Jelly Bean 4.2 takes Google Now to the next level and adds a second drop-down 'quick settings' menu to the notifications bar, which allows you to quickly toggle key settings such as Wi-Fi. Photosphere allows you to take 360-degree panoramic photos and upload them to Google Maps, while Miracast lets you stream content to HD-enabled TVs.

# Explaining TouchWiz versions



## TouchWiz 3.0

TouchWiz 3.0 makes a number of changes to the standard Android interface.

The lock screen allows you to swipe anywhere to unlock the device, while the drop-down notifications menu features a number of quick-settings toggles for Wi-Fi, mobile data and other commonly used functions.

Samsung has expanded the default number of home screens from three to a maximum of seven, though you can customise as many you want. The App Drawer has been tweaked and now features a horizontally scrolling set of 4x4 grid 'pages' rather than regular Android's continuous vertical setup.

Wallpapers, themes and app shortcuts all have a unique Samsung flavour and the default number of widgets has been expanded too.



## TouchWiz 4.0

TouchWiz 4.0 brings some new visual changes with it. Across the board, there's greater transparency and gradients to make things look cleaner and more modern. Icons and the keyboard skin have also been updated.

The first three dock shortcuts (everything except the App Drawer shortcut) can now be swapped out with whatever you like. Text messages are also now threaded, allowing you to keep track of conversations more easily.

Samsung has added a number of hubs for various functions. These include the Social Hub, Game Hub, Music Hub and Readers Hub.

The camera interface has been streamlined and made largely transparent, so you can see more of the image you're capturing. You can also select up to five commonly used camera feature shortcuts for quick access. Photo and video editing suites also come bundled with the software.



## TouchWiz UX

TouchWiz UX, also known as the 'Nature' interface, can be found on Samsung's most recent devices such as the Galaxy S III and Note 2. The visual design has been overhauled completely with custom nature-themed wallpapers and sounds, an animated lock screen swipe and menu elements which have been brought in-line with the style of Android version 4.0 and upwards.

Many new Samsung apps are tied into the interface, such as S Voice, the Video Hub and Samsung's take on Google Calendar, S Planner.

The quick-settings function in the drop-down menu now includes more toggles and is scrollable from side-to-side. There's also a brightness control slider for immediate access.

# TouchWiz UX: In detail

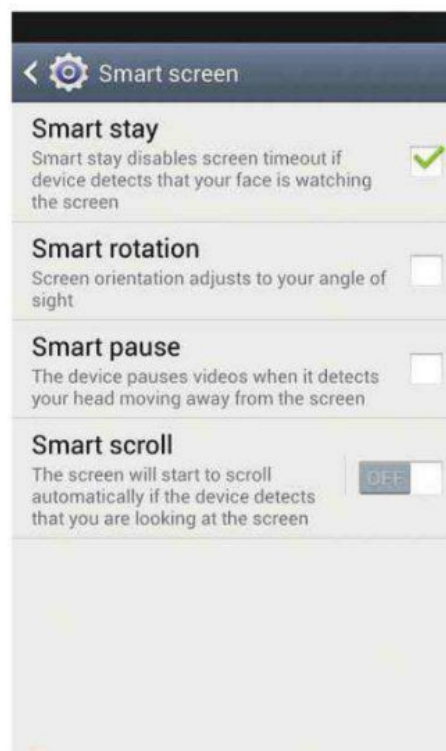


The Samsung Galaxy S4 still uses the TouchWiz UX as seen on the Samsung Galaxy Note 2 and later Samsung Galaxy devices, but Samsung has updated its flagship devices with a whole load of new S features, which we'll go into from p118.

You'll find special apps such as S Health and S Translator pre-installed and onboard in the App Drawer, negating the need to download any third-party services from Google Play.

The notifications bar is a little more transparent than it previously was. Though there's no real reason for this beyond prominence - it doesn't do any more than the stock Android notifications bar that can be expanded by a drag or tap.

You'll also notice there's a new camera interface,



with Google's vanilla Android dial at the heart. You can adjust things such as flash settings with the flick of your finger, making things a lot easier and less like Samsung's TouchWiz UI.

The settings menu has also been updated a little, with tabbed areas and slightly refreshed toggle switches as you can see from the screen shots above.

All-in-all, it looks a lot cleaner and easier to use than previous TouchWiz versions, bringing in a lot of the vanilla Android design touches. If you're a regular Samsung Galaxy user, you may find it a little confusing that Samsung keeps moving things around, but you'll soon adjust.

# Motion UI

Motion UI forming part of Samsung's Touchwiz UI.

Samsung supports a large range of motion-based gestures to get you darting around your Samsung device in less time than it takes to poke the display a couple of times.

The Samsung Galaxy Fame and Young were the first two devices to debut the updated Motion UI, allowing you to shake the device to update widgets and other content on the home screen. These features have now rolled out to other Samsung devices.

Other highlights of the Motion UI include:

## Double tap to top

When you're in a list, double tap to shoot back up to the top.

## Pan to move icon

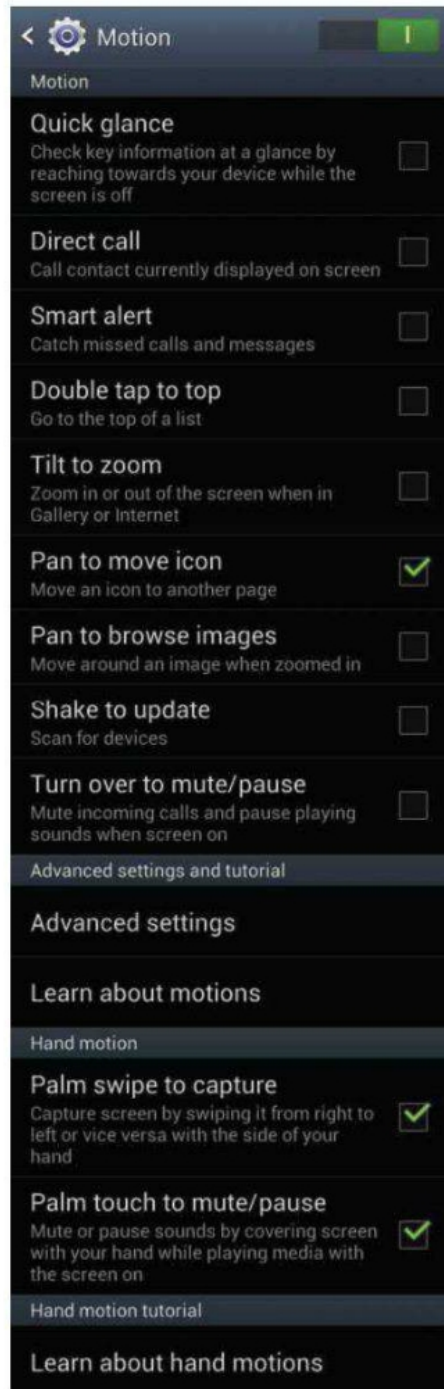
When adding a widget or application to your home screen, you can tilt left or right to find the home screen you want to place it on.

## Shake to update

If searching for a Wi-Fi hotspot or Bluetooth device to connect to, shake the device to refresh the list.

## Palm swipe to capture

Take a screenshot by swiping the screen from right to left or left to right with the palm of your hand



## Quick glance

Reach towards your phone while the screen is off to see any notifications such as missed calls, text messages and remaining battery.

## Direct call

Select a contact from your phonebook or call list and hold the phone to your ear. Your device will start calling the number displayed on the screen.

## Smart alert

Pick your phone up after not using it for a while and if it vibrates straight away, you'll have a new notification waiting for you.

## Tilt to zoom

When in the browser, you can tilt your device to zoom in and out of the page.

## Pan to browse images

Pan your phone from left to right to go through the photos in your library.

## Turn over to mute/pause

Turn the phone over if the phone is ringing to mute the sound.

## Palm touch to mute or pause

cover the whole screen of your phone with your palm to mute and pause sound coming from your device



## Chapter 2

# Devices

# Samsung Galaxy S II

As the successor to the commercially popular, iPhone-inspired Galaxy S, the S II always had its work cut out. Samsung obviously knew this, as during the lengthy wait from its unveiling at Mobile World Congress 2011 to its launch, the dual-core processor was upped from 1GHz to 1.2GHz.

With 4.3-inches of Super AMOLED+ display - the latest version of Samsung's own screen technology - viewing web pages, games, apps and images is physically easier. Colours are beautifully vivid too. In fact, Angry Birds has never looked so good.

The chassis itself is also impressive. The Galaxy S could be confused with the iPhone 3G and 3GS, whereas the S II stands on its own two feet in the design stakes.

Those of you who like to take the odd photo will be pleased to know the S II once again comes up trumps - the eight megapixel camera is one of the best we tested in 2011.

What the Galaxy S II lacks in a metal finish, it makes up for with sheer hardware power. It offers a big screen, a powerful processor, plenty of memory, a great camera and lengthy battery life - a fine Android experience overall.



**ANNOUNCED**  
February 2011

**CONTRACT PRICE**  
Free from £16.50 per month

**PREPAY PRICE**  
£299

**SIZE**  
125.3 x 66.1 x 8.5mm

**WEIGHT**  
116g

**SCREEN SIZE**  
4.3-inches

**STORAGE**  
16/32GB

**CAMERA**  
8-megapixels

**PROCESSOR**  
Dual-core 1.2GHz Cortex-A9

**BATTERY LIFE**  
610 hours standby  
8.5 hours talktime

**ANDROID VERSION**  
Gingerbread, version 2.3.4,  
upgradeable to Jelly Bean  
version 4.1

# Samsung Galaxy S III

The Galaxy S III was always going to cause a stir. By releasing the best Android phone of 2011 in the form of the Galaxy S II, the bar was automatically set very high, which then caused what we now affectionately call iPhone 4 syndrome: where users end up having very unrealistic expectations.

A 4.8-inch display is certainly not small, but the Galaxy S III manages to house it exceptionally well. In typical Samsung style, you get Super AMOLED technology, which means colours are vibrant and everything has a warm colour about it.

We did find the large screen was more prone to picking up reflections, especially when the sun comes out, and the smooth back panel is quite slippery too. We also still secretly pined for casing like on the HTC One X. You can't beat a bit of metal on a premium device.

Android 4.0 has come on leaps and bounds so we would definitely now recommend it to smartphone newbies as well as the tech-massive who love tinkering.

It's not quite perfect and we feel a lot of the Samsung-added functionality is a little gimmicky. More could have been made of the natural theme, but it really doesn't matter when the rest of the device works so well.

If you want the essence of the Samsung Galaxy S II with more oomph or one of the best Android devices of 2012, the Galaxy S III is for you. If you're looking for something more high-tech, go for the device's new - better but younger - brother, the Samsung Galaxy S4.



ANNOUNCED  
May 2012

SIZE  
136.6 x 70.6 x 8.6mm

STORAGE  
16/32/64GB

BATTERY LIFE  
790 hours standby  
11.5 hours talktime

CONTRACT PRICE  
From free for £25 per month

WEIGHT  
133g

CAMERA  
8-megapixel

ANDROID VERSION  
Jelly Bean, version 4.1,  
upgradeable to 4.2

PREPAY PRICE  
£430

SCREEN SIZE  
4.8-inches

PROCESSOR  
Quad-core 1.4GHz Cortex-A9

# Samsung Galaxy S4

The Samsung Galaxy S4 is the latest flagship Galaxy device to arrive in Samsung's portfolio.

With a five inch screen, it is moving towards the Galaxy Note series' ground, but without all the S Pen features, it really is strictly a smartphone.

That screen is one of the most high resolution around too, featuring full HD Super-AMOLED with a ppi of 441 and covered in Gorilla Glass 3 for extra durability.

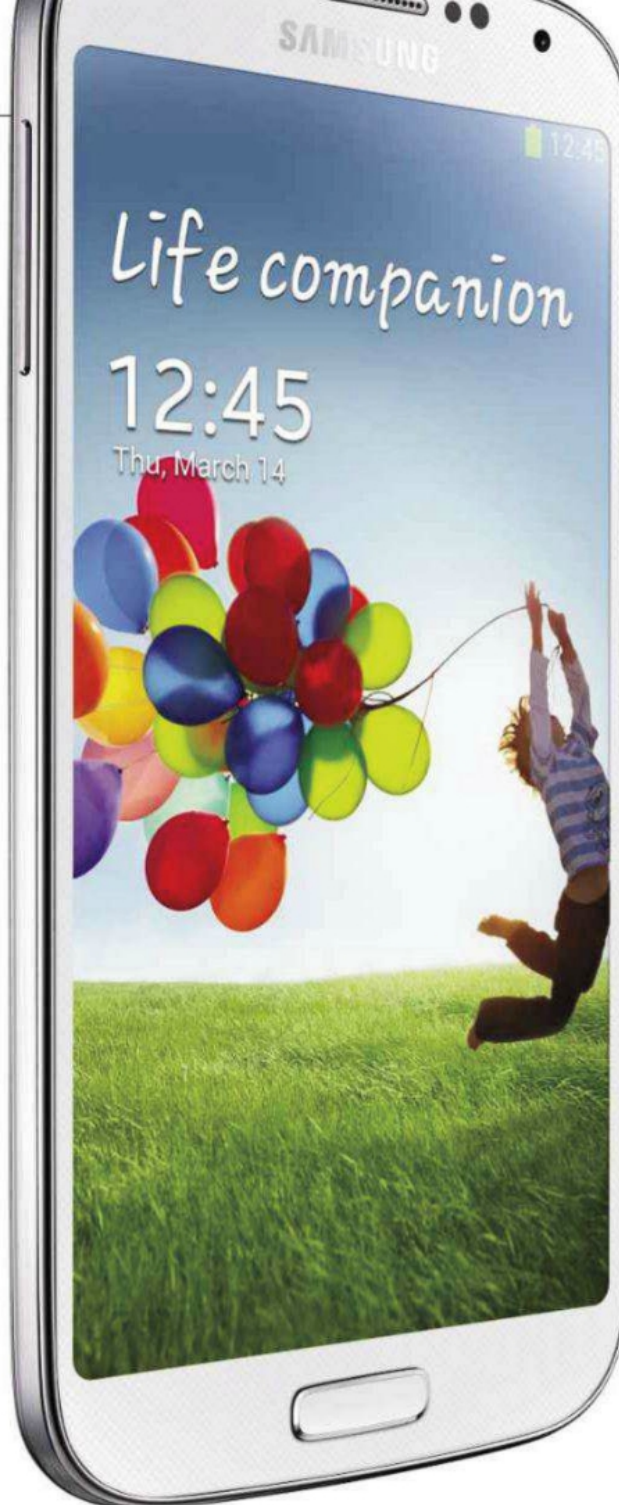
As you'd expect from a Samsung device, the Galaxy S4 is crafted from plastic, with a metal surround. The bezel is smaller than that of the Samsung Galaxy S III, accentuating that screen.

Around the back of the Samsung Galaxy S4 is a 13-megapixel camera that introduces a number of new shot modes including dual camera that allows you to use the main camera in conjunction with the front-facing two megapixel camera, drama shot and sound and shot, allowing you to record the sound at the same time as the photo.

Samsung's S features have also been updated on the Samsung Galaxy S4, bringing more eye and motion recognition than ever before. If you're watching a film and look away, the film will automatically be paused thanks to Smart Pause.

Like the hovering function on the Samsung Galaxy Note? Both Air View and the new Air Gesture make their first smartphone appearance on the Samsung Galaxy S4 adding to this fantastical device.

The S4 brings a whole new meaning to the word smartphone in 2013.



**ANNOUNCED**  
March 2013

**SIZE**  
136.6 x 69.8 x 7.9mm

**STORAGE**  
16/32/64GB

**BATTERY LIFE**  
TBC standby  
TBC talktime

**CONTRACT PRICE**  
From free for £25 per month

**WEIGHT**  
130g

**CAMERA**  
13-megapixel

**ANDROID VERSION**  
Jelly Bean, version 4.2

**PREPAY PRICE**  
£430

**SCREEN SIZE**  
5-inches

**PROCESSOR**  
Quad-core 1.9GHz

# Samsung Galaxy S III Mini

The Samsung Galaxy S III Mini is the pint-sized sibling of the Samsung Galaxy S III and, as such, some of the features have been streamlined.

First up, the screen measures four inches, which is significantly smaller than the Samsung Galaxy S III. Then again, it's only going back to the same size as the original Samsung Galaxy S so probably isn't a deal breaker.

The processor has been scaled down to a 1GHz chip, which doesn't give nearly the same oomph as the device's bigger brother, but with a smaller screen to power, it's not as severe an issue as you may first think. What's more, it doesn't stutter or lag, but that's with only a handful of apps running.

Samsung also seems to have taken its foot off the gas when it comes to design. It's smaller than the Galaxy S III, but also - curiously - thicker at 9.9mm.

The camera is five megapixels and is a noticeable step down from the powerhouse snapper the Galaxy S III featured.

Storage options are 8GB or 16GB, which isn't too shabby on a device that will cost you nothing on a £15-per-month contract.

Although the Samsung Galaxy S III Mini may appeal to those with a lighter budget, it doesn't come close to the quality and feature set of the rest of the Galaxy S series family.



ANNOUNCED  
October 2012

SIZE  
121.6 x 63 x 9.9mm

STORAGE  
8/16 GB

BATTERY LIFE  
430 hours standby  
7 hours talktime

CONTRACT PRICE  
Free from £15 per month

WEIGHT  
111.5g

CAMERA  
5-megapixels

ANDROID VERSION  
Jelly Bean, version 4.1

PREPAY PRICE  
£295

SCREEN SIZE  
4-inches

PROCESSOR  
Dual-core 1GHz

# Samsung Galaxy S Advance

The Galaxy S Advance comes with Android 2.3 and TouchWiz 4.0. This is by no means bad but there are many more powerful alternatives out there such as the HTC One V and the Sony Xperia S.

Being slightly smaller than the Galaxy S II and more powerful than the Galaxy Advance means the performance is great for a mid-range device. It also means you get a relatively lightweight plastic chassis.

With 768MB of RAM, a dual-core Cortex-A9 processor and either 8GB or 16GB of storage, it's a nifty little mover when it comes to user experience.

The resolution of 480x800 pixels, which gives a pixel density of 233 PPI, provides enough detail for anyone but the most tech-savvy punter and the four inch size has enough impact to keep you glued to it.

Alas, we've seen so many recent handsets released with little thought for where Android is going, and the S Advance is no different. A year ago we would've been impressed but nowadays it's a tad overpriced for what you actually get.

You would be better off saving up a little and going for the now Jelly Bean-equipped Galaxy S II, which has a better camera, faster processor, better chassis and a longer future. It's not that the S Advance is bad, it's just a by-product of such a fast-moving platform.



**ANNOUNCED**  
January 2012

**SIZE**  
123.2 x 63 x 9.7mm

**STORAGE**  
8/16GB

**BATTERY LIFE**  
550 hours standby  
7.5 hours talktime

**CONTRACT PRICE**  
Free from £25 per month

**WEIGHT**  
120g

**CAMERA**  
5-megapixels

**ANDROID VERSION**  
Gingerbread, version 2.3,  
upgradeable to Jelly Bean,  
version 4.1

**PREPAY PRICE**  
Not available

**SCREEN SIZE**  
4-inches

**PROCESSOR**  
Dual-core 1GHz Cortex-A9

# Samsung Galaxy Nexus

Samsung's Galaxy Nexus continues with the untouched Android experience, only this time Gingerbread has crumbled away to leave room for Ice Cream Sandwich out-of-the-box. It's also upgradeable to Jelly Bean version 4.2.

One of the Galaxy Nexus' finest areas is its display. In addition to being fairly large, it's also very bright and incredibly vivid.

A mixture of lightweight materials and a relatively thin profile keep the Galaxy Nexus from looking and feeling too big. Besides feeling a bit plasticky, the Galaxy Nexus is designed very well and is surprisingly pocketable. Indeed, compared to the Galaxy Note, this feels very compact.

Thanks to the removal of hardware or permanent touch buttons, the front view is very sleek and there's minimal edging around the sizeable 4.65-inch Super AMOLED HD screen.

As a Google-branded device, the Galaxy Nexus is top of the Samsung pile. Performance is quick, the camera is tip top and build quality is to die for. Another advantage of the Galaxy Nexus is it's always the first device to get firmware updates, such as Android Jelly Bean 4.2 - which is a massive improvement over Ice Cream Sandwich that comes pre-installed on the device.



ANNOUNCED  
October 2011

SIZE  
135.5 x 67.9 x 8.9mm

STORAGE  
16GB

BATTERY LIFE  
270 hours standby  
8 hours talktime

CONTRACT PRICE  
Free from £17 a month

WEIGHT  
135g

CAMERA  
5-megapixels

ANDROID VERSION  
Ice Cream Sandwich, version 4.0,  
upgradeable to Jelly Bean,  
version 4.2

PREPAY PRICE  
£480

SCREEN SIZE  
4.65-inches

PROCESSOR  
Dual-core 1.2GHz Cortex-A9

# Samsung Galaxy Beam

Rumours surrounding a Samsung projector phone have been doing the rounds for years. Then, finally, an Android-powered projector phone was launched - albeit a SIM-free version.

The Samsung Galaxy Beam runs on a fairly standard upper mid-range set of specifications. We've got a dual-core 1GHz processor and 8GB of internal storage at the heart of things.

Considering the Samsung Galaxy Beam has a projector on board, Samsung hasn't paid a huge amount of attention to its cameras. The main

snapper shoots at five megapixels, and has an LED flash, and the front camera has a 1.3-megapixel lens.

The projector, on the other hand, is fun - though it does have its limitations. It projects onto any surface at a resolution of 640x360 in full colour and Samsung has bundled a handful of apps to help make the most of this feature.

The Samsung Galaxy Beam is a competent smartphone, though the version of Android supported is a bit of a let down. Its two batteries

give it superb longevity and its physical design is attractive. The projector is a bit of a gimmick but it works well within its limitations of projection size and darkness requirements.

Of course, you pay for that projector and the Beam is a bit more expensive than other handsets with similar general specs.



**ANNOUNCED**  
February 2012

**CONTRACT PRICE**  
Free from £26 per month

**PREPAY PRICE**  
Not available

**SIZE**  
124 x 64.2 x 12.5mm

**WEIGHT**  
145.3g

**SCREEN SIZE**  
4-inches

**STORAGE**  
8GB

**CAMERA**  
5-megapixels

**PROCESSOR**  
Dual-core 1GHz Cortex-A9

**BATTERY LIFE**  
760 hours standby  
9.5 hours talktime

**ANDROID VERSION**  
Gingerbread, version 2.3.6  
upgradeable to Jelly Bean  
version 4.1

## Samsung Galaxy Ace 2

The Samsung Galaxy Ace 2 builds on the success of the Samsung Galaxy Ace, but it also adds a heap of improved features that make it a viable option for those looking for a low-cost, Android-based Samsung device.

The processor has been upped to dual-core from single-core, the screen to 3.8-inches - although it's still not to the same standard as those premium handsets - and the battery life has been given a little boost too. It also boasts a higher resolution at 480x800 pixels, which makes the screen crisper and brighter than the first version of this mid to low-end.

Storage has been beefed up - from 158MB to 4GB, - and, although it's not the same as 16GB, microSD cards will help house your music collection and so on.

What we're most impressed by though, is that it is upgradeable to Android Jelly Bean 4.1, which is an amazing operating system compared to Gingerbread, which the device ships with.

Adding the Butter UI, it's super smooth to run, even though there's only an 800MHz processor (albeit dual-core), which certainly impressed us.

The casing is a little plasticky, which won't wow the style conscious, and the screen is still a little too small for comfortable typing or web browsing, but it's all in a decent package, for very little money on prepay.



**ANNOUNCED**  
February 2012

**SIZE**  
118.3 x 62.2 x 10.5mm

**STORAGE**  
4GB

**BATTERY LIFE**  
640 hours standby  
7.5 hours talktime

**CONTRACT PRICE**  
Free from £15.50 per month

**WEIGHT**  
122g

**CAMERA**  
5-megapixels

**ANDROID VERSION**  
Gingerbread, version 2.3,  
upgradeable to Jelly Bean,  
version 4.1

**PREPAY PRICE**  
£160

**SCREEN SIZE**  
3.8-inches

**PROCESSOR**  
Dual-core 800MHz

# Samsung Galaxy Pocket

The Samsung Galaxy Pocket is a true low-end device with an absolutely tiny 2.8-inch touchscreen at a rather low resolution of 320x480 pixels.

This screen would probably put the Galaxy Pocket in the feature phone category, but the operating system is the one thing that stops the dinky device from getting such a tag.

Rather surprisingly for a device launched in 2012, the Galaxy Pocket runs on Android Gingerbread version 2.3, hand-in-hand with Touchwiz. For a device with an 832MHz processor, it really should just be vanilla Android to try and save some of that processing power for apps rather than a skin.

That said, it runs pretty well, mostly because that screen is so small.

Wi-Fi and 3G are both present and correct, but we would recommend you stay far away from browsing – the screen just isn't designed for it.

Simple apps like Facebook and mobile websites run more than adequately though and 3GB of internal storage will give you enough space for a fair few additional apps.

Multimedia is as you would expect from a phone costing £10.50 a month, with a two megapixel camera and crackly speakers – it's just a shame the device isn't available on prepay any longer.

The Samsung Galaxy Pocket will certainly slide into a pocket of any size and we would say it's particularly suitable for young children, or at least those with tiny fingers who only want to use the device for calling, texting and a limited amount of app usage.



**ANNOUNCED**  
February 2012

**SIZE**  
103.7 x 57.5 x 12mm

**STORAGE**  
3GB

**BATTERY LIFE**  
500 hours standby  
5.5 hours talktime

**CONTRACT PRICE**  
Free from £10.50 a month

**WEIGHT**  
97g

**CAMERA**  
2-megapixels

**ANDROID VERSION**  
Gingerbread, version 2.3

**PREPAY PRICE**  
No longer available

**SCREEN SIZE**  
2.8-inches

**PROCESSOR**  
832MHz ARM 11

# Samsung Galaxy Mini 2



The Galaxy Mini 2 is the successor to Samsung's previous budget Android offering the Galaxy Mini. Like all good sequels, it has been blessed with enhanced internals and a more appealing design.

Despite its diminutive size, the Galaxy Mini 2 feels sturdy and dependable, which could be another plus if you're buying this handset for a younger, perhaps clumsier, family member.

Its 800MHz processor isn't the fastest challenger on the block, but the phone generally copes well with daily tasks. While it would be foolish to expect dual-core power in such a modest device, the recent proliferation of 1GHz budget handsets could make it hard for the Galaxy Mini 2 to carve a niche for itself.

The final thing worthy of note is the inclusion of Near Field Communications (NFC) technology. This contactless method of exchanging information is becoming more and more popular on mobile phones. It allows you to make payments, exchange data with other phones and even trigger events on your device when using a specially-formatted NFC tag.

The Galaxy Mini 2 is a solid successor to the original Galaxy Mini, but the competition in this sector of the Android market has intensified over the past year, so it might have trouble keeping its cheaper rivals at bay.

ANNOUNCED  
February 2012

CONTRACT PRICE  
Free from £10.50 a month

PREPAY PRICE  
£110

SIZE  
109.4 x 58.6 x 11.6mm

WEIGHT  
105g

SCREEN SIZE  
3.3-inches

STORAGE  
4GB

CAMERA  
3.15-megapixels

PROCESSOR  
800MHz Cortex-A5

BATTERY LIFE  
420 hours standby  
6.5 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3

# Samsung Galaxy Music

The Samsung Galaxy Music is designed to be a top-class music mobile, with tunes right up there at the top of its agenda.

The Galaxy Music is available in a range of vibrant colours and features a metal trim. There's a grille at the top and the bottom for speakers – somewhat expected on a music-focused mobile, but useful nonetheless.

There are also dedicated music controls around the edges – again, something you'd expect to find on a device marketed as being music-centric.

The 3.3-inch screen has a rather disappointing 240x320 pixel resolution, which certainly isn't suitable for playing videos.

Touchwiz UI is overlaid on Android Ice Cream Sandwich, and it runs pretty well with an 850MHz single-core Cortex-A9 processor against similar-specced handsets.

Unfortunately, 4GB of internal storage isn't really enough for a device designed for tunes on the move, so you will have to invest in a microSD card to boost your collection. The slot is hot-swappable though so it's very quick and easy to switch between different cards.

Available as an O2 exclusive at the time of writing with a price tag of £110 on prepay, the Samsung Galaxy Music is certainly one aimed at the youth market. With two pretty decent speakers and music hardware buttons, it does exactly what it says on the tin.



**ANNOUNCED**  
October 2012

**CONTRACT PRICE**  
Free from £29 a month

**PREPAY PRICE**  
£110

**SIZE**  
110.1 x 59 x 12.3mm

**WEIGHT**  
106.9g

**SCREEN SIZE**  
3.3-inches

**STORAGE**  
4GB

**CAMERA**  
3.15-megapixels

**PROCESSOR**  
850MHz

**BATTERY LIFE**  
420 hours standby  
6.5 hours talktime

**ANDROID VERSION**  
Ice Cream Sandwich, version 4.0.4,  
upgradeable to Jelly Bean, version  
4.1

# Samsung Galaxy Fame



The Samsung Galaxy Fame is one of the lower-cost Samsung devices launched in 2013.

With a 3.5-inch screen and 1GHz processor, the device is aimed at those who want to start using a smartphone but without the big initial outlay.

Like other Samsung Galaxy devices, it's aimed at youngsters where things like free messaging via Samsung ChatON, apps via the Samsung App Store or Google Play and Google's suite of pre-installed apps are important.

Although it may not have a large screen or powerful processor, Samsung is attempting to adapt the user experience to the hardware.

Like the Samsung Galaxy Young, the Galaxy Fame features Samsung's Game Hub Lite to make the most of gaming on a smaller-screened, lower-powered device.

There's 4GB of storage onboard that will keep you going for a little while. You can also use a microSD card to bulk the device up to an impressive 64GB, which will ensure all your music is available when you need it.

Continuing on with multimedia, the Galaxy Fame features a five megapixel camera allowing you to take snaps and share them instantly with your social networks.

The device is powered by Android 4.1 Jelly Bean, the most advanced, widely-available Android operating system, although we doubt Samsung will upgrade it to Jelly Bean 4.2, which is reserved for its high-end devices.

ANNOUNCED  
February 2013

CONTRACT PRICE  
TBC

PREPAY PRICE  
TBC

SIZE  
113.2 x 61.6 x 11.6 mm

WEIGHT  
120g

SCREEN SIZE  
3.5-inches

STORAGE  
4GB

CAMERA  
5-megapixel

PROCESSOR  
1GHz

BATTERY LIFE  
380 hours standby (3G)  
6 hours 10 mins (3G)

ANDROID VERSION  
Jelly Bean, version 4.1

# Samsung Galaxy Young

The Samsung Galaxy Young, as the name suggests, is designed for those under the age of about 14, who are looking to get a smart but simple device allowing them to play games, download apps, listen to music and keep in contact with their friends.

The price reflects the spec: simple but effective.

Priced at around £130, it's at the lower end of Samsung's excellent smartphone range.

With a 3.3-inch, HVGA touchscreen, it's not really much to shout about, but sensitivity is pretty good, making it perfect for speedy typists, whether using SMS, ChatON or any other communication or social networking apps available from Google Play.

It's available in a range of colours too – presumably to appeal to young whippersnappers and although some are pretty odd, Samsung has aimed this device at fashionistas.

Like the Samsung Galaxy Fame, the Samsung Galaxy Young runs on Android Jelly Bean 4.1 and there's no word on whether it will be set for an upgrade at any time in the future.

The look and feel of the device overall is a little chunky and that's where Samsung seems to have cut corners. There's a 1300mAh battery packed under the rear plate that will give you a fair run thanks to the low-resolution, small display.

A three megapixel camera will provide some kind of imaging, but nothing you'll want to share much further than your Facebook or Twitter.

Although not for everyone, the Samsung Galaxy Young is a great little device for those with small hands on a shoestring budget. There are probably better devices in the price range available (Nokia's Lumia 620, for example), but Samsung's extra options make this a good choice.



**ANNOUNCED**  
February 2013

**SIZE**  
58.6x109.4x12.5mm

**STORAGE**  
4GB

**BATTERY LIFE**  
TBC  
TBC

**CONTRACT PRICE**  
TBC

**WEIGHT**  
112g

**CAMERA**  
3-megapixel

**ANDROID VERSION**  
Jelly Bean, version 4.1

**PREPAY PRICE**  
£TBC

**SCREEN SIZE**  
3.3-inches

**PROCESSOR**  
1GHz

# Samsung Galaxy Express

Samsung's Galaxy Express was launched to bring 4G to the masses without a giant price tag.

The 4G-powered Galaxy Express features a pretty mid-to high level spec, with a 4.5-inch Super AMOLED screen, 1.2GHz dual-core processor, 1GB of RAM, Android 4.1 and, of course, Samsung's TouchWiz interface.

The device itself looks very similar to the Samsung Galaxy S III or even S4 with its metal edging. It retains the plastic materials as seen on almost every other Samsung device but, as sales show, this isn't a bad thing.

The camera is where you'll notice this isn't the highest-flyer from Samsung. On the back, there's a five megapixel camera, while there's a 1.3-megapixel snapper on the front for things like video calling.

There's 8GB of internal storage onboard, but this can be extended with a microSD card up to 32GB.

The Samsung Galaxy Express features a whole load of sharing features, making it perfect for the youngsters who want to share media.

Allshare Play allows you to share your photos, films and other media with your TV. S Beam means you can use the built-in NFC to share files, music and pics with other NFC-enabled devices just by touching them. MHL is also built in so you can use your Galaxy Express with your HD TV.



ANNOUNCED  
February 2013

SIZE  
132.2 x 69.1 x 9.3mm

STORAGE  
8GB

BATTERY LIFE  
TBC  
TBC

CONTRACT PRICE  
TBC

WEIGHT  
139.1g

CAMERA  
5-megapixel

ANDROID VERSION  
Jelly Bean, version 4.1

PREPAY PRICE  
£450

SCREEN SIZE  
4.5-inches

PROCESSOR  
Dual-core 1.2GHz

# Samsung Galaxy Xcover 2

Like the Samsung Galaxy Xcover, the Xcover 2 is a rugged phone. It's dust and sand proof, plus water resistant up to one metre for 30 minutes.

There's a direct camera key so you can take photos underwater and, thanks to a strap holder, it'll stay secure on your wrist. The LED flash also doubles up as a torch.

Enhanced GPS shortens the waiting time for the device to find satellite signal and the 370-hour 3G standby time will ensure you can stay in contact for longer.

The Cardio Trainer Pro workout application comes pre-installed, so you can keep fit while ensuring your device stays safe if you're in a hardcore training environment.

The screen has taken a bit of a hit to squeeze in all this extra functionality, however. It measures four inches with a WVGA resolution, which isn't on par with the higher-range Galaxy devices. That said, it does provide wider viewing angles which is important in extreme conditions.

There's a five megapixel camera on the back and a VGA camera on the front that isn't at the top of the pile, but it still does the job for quick snaps and low-quality video calling.

Running on a 1GHz dual core processor, the Galaxy Xcover 2 will chug along nicely. It comes bundled with all the Galaxy S features including S Cloud for synching, backup and restoring, S Voice, Smart Stay and Samsung Hubs.



**ANNOUNCED**  
February 2013

**SIZE**  
130.5 x 67.7 x 12 mm

**STORAGE**  
4GB

**BATTERY LIFE**  
370 hours standby (3G)  
9 hours talktime (3G)

**CONTRACT PRICE**  
TBC

**WEIGHT**  
148.5g

**CAMERA**  
5-megapixel

**ANDROID VERSION**  
Jelly Bean, version 4.1

**PREPAY PRICE**  
TBC

**SCREEN SIZE**  
4-inches

**PROCESSOR**  
Dual-core 1GHz

# Samsung Galaxy Note

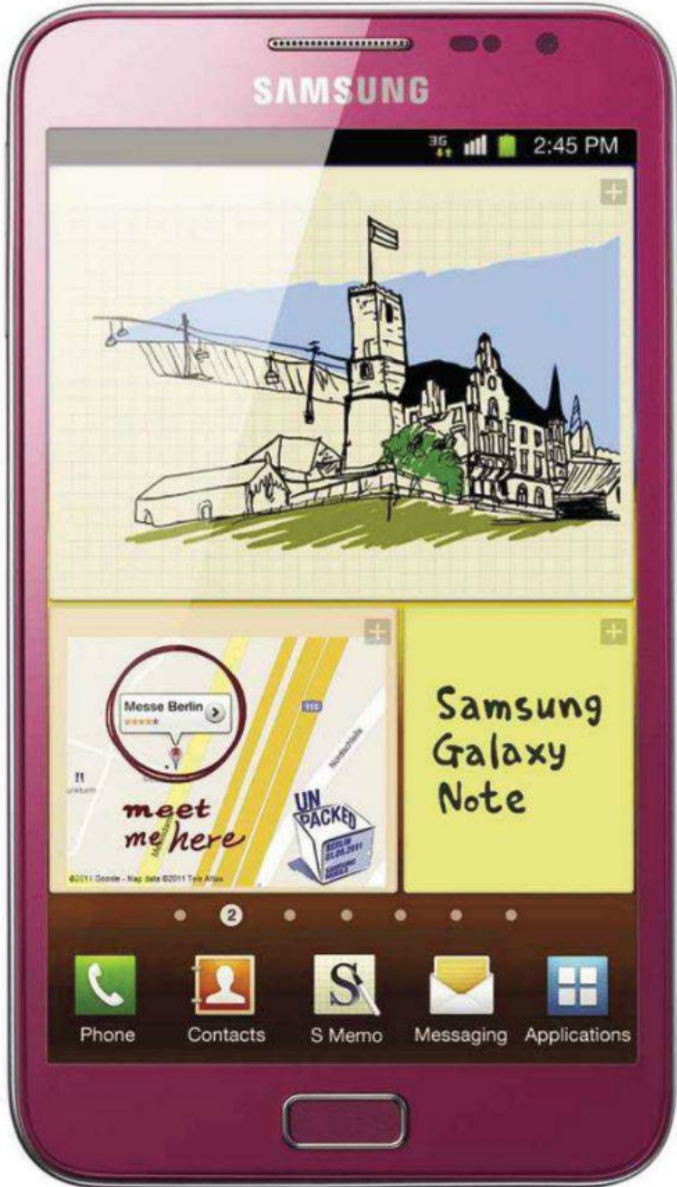
Samsung was keen to give the Galaxy Note a mighty list of specs. Beneath its giant exterior is a suitably big 1.4GHz dual-core processor. But, even so, the real-world experience isn't quite as smooth when jumping between the seven home screens and it does occasionally stall.

Fortunately, loading times are very good, although once you get into using a stylus, the Note definitely feels a little slower than other premium devices.

The big screen is perfect for video playback, viewing websites and gaming. The Note's features, however, aren't up to the standard of the Note II. The 5.3-inch AMOLED HD screen did mean we were able to write the odd thing here and there, but certainly not a novel or essay.

The Note is a very similar device to the Samsung Galaxy S II, but with an extra stylus, larger screen and a few extra bells and whistles. It has positioned itself into an awkward niche. It's too small to cope with the tablet market but too big to hang around with the smartphone crowd.

If you loved the Galaxy S II but wanted a massive display, the Note will be money well spent, especially as it's remarkably cheaper than the much better Galaxy Note II.



ANNOUNCED  
September 2011

SIZE  
146.9 x 83 x 9.7mm

CONTRACT PRICE  
From free for £20.50 per month

WEIGHT  
178g

PREPAY PRICE  
£380

SCREEN SIZE  
5.3-inches

STORAGE  
8/16GB

CAMERA  
5-megapixels

PROCESSOR  
1GHz Cortex-A8

BATTERY LIFE  
820 hours standby  
13.5 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3,  
upgradeable to version 4.1

# Samsung Galaxy Note II

This is a great offering from Samsung, but as with previous Galaxy Note devices it will not suit everyone's tastes.

There is still the issue of whether or not you feel comfortable making calls on a phone of this size too. You've essentially got three options: you can either be the confident type and hold it to your face as if everything is normal, you can rely entirely on the speakerphone or you can just make sure you've got a hands-free kit with you at all times.

With moderate use we found the sizeable 3100mAh battery will last a couple of days with no trouble at all. However, once you start factoring in intensive gaming sessions or heavy use of the stylus functionality, things can start to drain off alarmingly quickly.

With a quad-core processor and an additional gigabyte of RAM the Galaxy Note II is a much more capable stylus-based handset.

We much prefer the implementation of the stylus features here, mainly because the Note II is so much better at letting you write smoothly and accurately – it even recognises when you rest your palm on the screen and doesn't allow it to interrupt you.

Is it perfect? Of course not. But, it is unquestionably the best realisation of the Galaxy Note concept we've seen so far.



**ANNOUNCED**  
August 2012

**CONTRACT PRICE**  
Free from £29 per month

**PREPAY PRICE**  
£480

**SIZE**  
151.1 x 80.5 x 9.4mm

**WEIGHT**  
183g

**SCREEN SIZE**  
5.5-inches

**STORAGE**  
16/32/64GB

**CAMERA**  
8-megapixels

**PROCESSOR**  
Quad-core 1.6GHz Cortex-A9

**BATTERY LIFE**  
890 hours standby  
16 hours talktime

**ANDROID VERSION**  
Jelly Bean, version 4.1, upgradeable to version 4.2

# Samsung Galaxy Note 8.0

The Samsung Galaxy Note is now available in a range of sizes – 5-inch, 5.5-inch, 10.1-inch and now Samsung has filled the gap with the Samsung Galaxy Note 8.0 to compete with the likes of the Nexus 7 and Amazon Kindle HD.

As the name suggests, the Samsung Galaxy Note 8.0 features an eight inch screen. It has a resolution of 1280x800 pixels, making it perfect to watch films or TV on, without too much bulk.

It takes the same S Pen stylus skills of its predecessor and turns them on their head.

S Note is available, as is Air View, allowing you to view certain content without even touching the screen – just hover and a preview will pop up. This feature works in SMS messages, emails, the photo and video galleries.

Screen sensitivity trumps every other Galaxy Note device. What's more, dual screen allows you to do more than ever to make the most of the large touchscreen – you can do two things at once without a stutter.



ANNOUNCED  
February 2013

SIZE  
210.8 X 135.9mm

STORAGE  
16/32GB

BATTERY LIFE  
TBC  
TBC

CONTRACT PRICE  
TBC

WEIGHT  
338g

CAMERA  
5-megapixel

ANDROID VERSION  
Jelly Bean, version 4.1

PREPAY PRICE  
TBC

SCREEN SIZE  
8-inches

PROCESSOR  
Quad-core 1.6GHz A9 processor

# Samsung Galaxy Note 10.1

The Galaxy Note 10.1 is a highly competent tablet, which is only flawed by some of its snazzy and overambitious new features.

The 1280x800 pixel resolution is reasonably pleasing to the eye and Samsung has managed to churn out some impressive colours, contrast and brightness.

The Galaxy Note 10.1 runs on Samsung's own Exynos 4412 quad-core chip, based on ARM's Cortex-A9 architecture, clocked at 1.4GHz with

2GB of RAM and a powerful Mali-400MP graphics processing unit (GPU).

Other noteworthy hardware elements include the onboard storage space, which comes in three flavours depending on price: 16GB, 32GB and 64GB.

The S Pen functionality has moved on from that of the original Galaxy Note. The sensitivity is miles better, both in terms of pin-point precision and in how quickly it picks up your movements.

For the purposes it is intended, it should do very well on the whole, but anyone wishing to buy one should be aware that it will be a trial and error learning experience that makes you fit around the tablet rather than the other way around.

If you're thinking of getting the Note 10.1 as a productivity tool, it certainly can cater to your needs, but you'll need to bear in mind that battery consumption can run away from you, certain S Pen related apps may lag and the multi-screen, while a great idea, doesn't perform so well in practice.



**ANNOUNCED**  
August 2012

**CONTRACT PRICE**  
N/A, from £325 SIM free

**PREPAY PRICE**  
N/A

**SIZE**  
262 x 180 x 8.9mm

**WEIGHT**  
600g

**SCREEN SIZE**  
10.1-inches

**STORAGE**  
16/32/64GB

**CAMERA**  
5-megapixels

**PROCESSOR**  
Quad-core 1.4GHz Cortex-A9

**BATTERY LIFE**  
1500 hours standby  
33 hours talktime

**ANDROID VERSION**  
Ice Cream Sandwich, version 4.0.3  
upgradeable to version 4.1

# Samsung Galaxy Tab

A whole horde of Android-based tablets were announced following the successful launch of the Apple iPad. The Samsung Galaxy Tab is not only the first of these Android tablets to actually go on sale, but it's also one of the most hyped and eagerly awaited since Samsung's Galaxy S smartphone.

Although the Tab's seven inch screen uses an LCD instead of an AMOLED panel like the Galaxy S, it's still very bright and vivid looking.

Typing on the Tab's on-screen keyboard works surprisingly well. When oriented vertically, we were able to type with our thumbs quite accurately.

Surprisingly, Samsung hasn't completely skinned Android with its own TouchWiz interface familiar to Galaxy S owners - it's just the App Drawer that gets a TouchWiz-style makeover.

The Samsung Galaxy Tab is a lot like Christmas. After all the anticipation, in reality it's a bit of a let down. Although the Tab is a sturdy, slender, lightweight and attractive tablet, it could be easier

to hold. The Tab's small size, which makes it great for reading, also makes it less suitable for writing judging from our experiences with the on-screen keyboard.

Even more critically, it's let down badly by the sluggish interface. Other frustrating aspects of operating system, such as copy and paste, lead us to believe that Android 2.2 isn't ideally suited for tablets. We really want to like the Tab, but until a software update comes out that fixes the Tab's problems - perhaps Android 3.0 Gingerbread - we'd still rather have an iPad.



ANNOUNCED  
September 2010

SIZE  
190.1 x 120.5 x 12mm

STORAGE  
16/32GB

BATTERY LIFE  
1200 hours standby  
25 hours talktime

CONTRACT PRICE  
N/A, from £375 SIM free

WEIGHT  
380g

CAMERA  
3.15-megapixels

ANDROID VERSION  
Froyo, version 2.2 upgradeable to version 2.3

PREPAY PRICE  
No longer available

SCREEN SIZE  
7-inches

PROCESSOR  
1GHz Cortex A8

# Samsung Galaxy Tab 8.9

The Samsung Galaxy Tab 8.9 is a smaller version of the original Galaxy Tab and many believe this is the perfect size for a tablet.

The 8.9-inch, 1280x800 pixel screen is bright and crisp, while the casing makes it easy to hold and use for browsing the web, watching videos or just using many of the apps available from Google Play.

The tablet is powered by a 1GHz dual-core Nvidia Tegra 2 processor and is super-slick. The only time we did see a lag was when first reviewing the device and rotating the screen, but this seems to have been rectified with an update.

The cameras on the Galaxy Tab 8.9 really aren't worth using, although we don't really understand the inclusion of cameras on tablets anyway.

The final point of note is the Galaxy Tab 8.9 features a hefty 6100mAh battery that promises eight to 10 hours of constant use - including video. It's pretty good, especially as we're yet to see more impressive battery life on such large-screened devices.

The Samsung Galaxy Tab 8.9 sits in the middle of the Galaxy Tab range and, at the end of the day, which you choose comes down to personal preference on size. Upgradeable to Android Jelly Bean, the Tab 8.9 is perfect if you want a tablet that you can hold with one hand, but is also comfortable for watching video content on.



**ANNOUNCED**  
March 2011

**CONTRACT PRICE**  
N/A, from £400 SIM free

**PREPAY PRICE**  
N/A

**SIZE**  
230.9 x 157.8 x 8.6mm

**WEIGHT**  
453g

**SCREEN SIZE**  
8.9-inches

**STORAGE**  
16/32/64GB

**CAMERA**  
3.15-megapixels

**PROCESSOR**  
1GHz dual-core Nvidia Tegra 2

**BATTERY LIFE**  
72 hours standby  
9 hours talktime

**ANDROID VERSION**  
Ice Cream Sandwich, version 4.0.3  
upgradeable to version 4.1



## Samsung Galaxy Tab 10.1

The Galaxy Tab 10.1 has a larger screen and is faster and sexier than the original Galaxy Tab. It also comes pre-loaded with a true tablet OS – Honeycomb, to be precise.

Its 1280x800 pixel resolution 10.1-inch display offers amazing brightness, bold colours and wide viewing angles, making it without a shadow of a doubt the best screen on a tablet device.

Samsung has had to remove some features that many customers may consider to be vital, including a memory card slot, which means you can't add more storage via SD cards. The tablet comes in 16GB and 32GB variants, so if you intend to store masses of content onto the device, make sure you go with the higher-capacity option.

The Galaxy Tab 10.1's 7000mAh battery offers around 10 hours of moderate use, although that figure will come down if you're constantly watching HD movies.

The stunning screen and sexy design put the Galaxy Tab on even terms with the iPad from a technical and cosmetic standpoint, but the lack of developer support and the omission of Android hallmarks such as expandable memory and USB ports is disappointing.

If you're after an Android tablet and are not concerned with adding more memory or hooking up USB peripherals, then this is probably your best bet. It's the first Android tablet which looks as good as it performs, and that screen is simply to die for.

**ANNOUNCED**  
March 2011

**SIZE**  
256.7 x 175.3 x 8.6mm

**STORAGE**  
16/32GB

**BATTERY LIFE**  
1840 hours standby  
9 hours talktime

**CONTRACT PRICE**  
N/A, from £400 SIM free

**WEIGHT**  
565g

**CAMERA**  
3-megapixels

**ANDROID VERSION**  
Honeycomb, version 3.0  
(Honeycomb), upgradeable to  
Ice Cream Sandwich version 4.0

**PREPAY PRICE**  
N/A

**SCREEN SIZE**  
10.1-inches

**PROCESSOR**  
Dual-core 1GHz Cortex-A9

# Samsung Galaxy Tab 2 7.0

The Samsung Galaxy Tab 2 series is a follow up to the original Galaxy Tab range but, with an updated operating system, it offers more features.

The Samsung Galaxy Tab 2 7.0, like the Galaxy Tab and Galaxy Tab 7.0 Plus, slides into a bag or pocket in an almost unnoticeable way.

The Tab 2 7.0 can be held with just one hand and the screen provides the perfect resolution and size for reading books or browsing the web.

You won't get as much of a full-screen video experience as the Tab 2 10.1, but surely if you wanted to watch the latest blockbuster, you'd purchase the 10-inch version?

With a 1GHz processor, it's not going to win any awards for speed, but the UI does run fluidly, especially if you install Android Jelly Bean, which has now become available on the tablet.

On the back of the Tab 2 7.0 is a three megapixel camera, which isn't up to the standard of smartphones. That said, it's a little awkward to take a photo with a seven inch device anyway.

The Samsung Galaxy Tab 2 7.0 is an OK tablet for less than £300, but the Galaxy Nexus 7 trumps it in almost every way, including price.



**ANNOUNCED**  
February 2012

**CONTRACT PRICE**  
N/A, from £250 SIM free

**PREPAY PRICE**  
N/A

**SIZE**  
193.7 x 122.4 x 10.5mm

**WEIGHT**  
345g

**SCREEN SIZE**  
7-inches

**STORAGE**  
8/16/32GB

**CAMERA**  
3.15-megapixels

**PROCESSOR**  
Dual-core 1GHz

**BATTERY LIFE**  
1080 hours standby  
20 hours talktime

**ANDROID VERSION**  
Ice Cream Sandwich, version 4.0.3  
upgradeable to version 4.1



## Samsung Galaxy Tab 2 10.1

The Samsung Galaxy Tab 2 70's bigger brother, the Galaxy Tab 2 10.1, is the same size as the iPad, but with a lower price tag and lower spec to match.

Design-wise, the Galaxy Tab 2 10.1 matches the Galaxy Tab 2 70 but, with a larger, 10.1-inch screen, it's quite a bit heavier.

The Tab 2 10.1's screen is ultra-reflective, which isn't particularly great if you're heading out into bright sunlight.

Both cameras on the tablet are pretty poor quality, without flash, auto focus or any manual options that lower-priced devices offer. There also isn't a Wi-Fi option, which means you're limited to buying a MiFi or relying on Wi-Fi hotspots.

Video playback is probably the finest point of the Galaxy Tab 2 10.1, but that's due to its large screen - the perfect size for mobile movie watching.

Browsing is also good, but again, that's likely due to the size rather than performance.

The Galaxy Tab 2 10.1 is a pretty average tablet when compared to many on the market around the same price point. Although it's great for watching movies on the move, there are plenty of other tablets on the market that offer more. In fact, we would even recommend the Galaxy Note 10.1 over this.

**ANNOUNCED**  
February 2012

**SIZE**  
256.6 x 175.3 x 9.7mm

**STORAGE**  
16/32GB

**BATTERY LIFE**  
2000 hours standby  
10 hours talktime

**CONTRACT PRICE**  
N/A, from £325 SIM free

**WEIGHT**  
588g

**CAMERA**  
3.15-megapixels

**ANDROID VERSION**  
Ice Cream Sandwich, version 4.0.3  
upgradeable to version 4.1

**PREPAY PRICE**  
N/A

**SCREEN SIZE**  
10.1-inches

**PROCESSOR**  
Dual-core 1GHz Cortex-A9

## Samsung Galaxy S



ANNOUNCED  
March 2010

CONTRACT PRICE  
No longer available

PREPAY PRICE  
No longer available

SIZE  
122.4 x 64.2 x 9.9mm

WEIGHT  
119g

SCREEN SIZE  
4-inches

STORAGE  
8/16GB

CAMERA  
5-megapixels

PROCESSOR  
1GHz Cortex-A8

BATTERY LIFE  
576 hours standby  
6.5 hours talktime

ANDROID VERSION  
Eclair, version 2.1,  
upgradeable to version 2.3

## Samsung Galaxy Y



ANNOUNCED  
August 2011

CONTRACT PRICE  
Free from £7.50 a month

PREPAY PRICE  
£50

SIZE  
104 x 58 x 11.5mm

WEIGHT  
97.5g

SCREEN SIZE  
3-inches

STORAGE  
180MB

CAMERA  
2-megapixels

PROCESSOR  
830MHz ARMv6

BATTERY LIFE  
540 hours standby  
6 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3.5

## Samsung Galaxy Mini



ANNOUNCED  
January 2011

CONTRACT PRICE  
Free from £7 per month

PREPAY PRICE  
£70

SIZE  
110.4 x 60.8 x 12.1mm

WEIGHT  
105g

SCREEN SIZE  
3.14-inches

STORAGE  
160MB

CAMERA  
3.15-megapixels

PROCESSOR  
600MHz ARMv6

BATTERY LIFE  
570 hours standby  
9.5 hours talktime

ANDROID VERSION  
Froyo version 2.0.3,  
upgradeable to version 2.3

## Samsung Galaxy Pro



ANNOUNCED  
April 2011

CONTRACT PRICE  
N/A, from £190 SIM free

PREPAY PRICE  
N/A

SIZE  
108.6 x 66.7 x 10.7mm

WEIGHT  
103.4g

SCREEN SIZE  
2.8-inches

STORAGE  
160MB

CAMERA  
3.15-megapixels

PROCESSOR  
800MHz ARMv6

BATTERY LIFE  
430 hours standby  
6 hours talktime

ANDROID VERSION  
Froyo, version 2.2.2

## Samsung Galaxy Ace



ANNOUNCED  
January 2011

CONTRACT PRICE  
N/A, from £150 SIM free

PREPAY PRICE  
N/A

SIZE  
112.4 x 59.9 x 11.5mm

WEIGHT  
113g

SCREEN SIZE  
3.5-inches

STORAGE  
158MB

CAMERA  
5-megapixels

PROCESSOR  
800MHz ARM 11

BATTERY LIFE  
420 hours standby  
6.5 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3

## Samsung Galaxy Europa



ANNOUNCED  
June 2010

CONTRACT PRICE  
N/A, from £130 SIM free

PREPAY PRICE  
£65

SIZE  
108 x 56 x 12.3mm

WEIGHT  
102g

SCREEN SIZE  
2.8-inches

STORAGE  
140MB

CAMERA  
2-megapixels

PROCESSOR  
600MHz

BATTERY LIFE  
375 hours standby  
6.5 hours talktime

ANDROID VERSION  
Éclair, version 2.1,  
upgradeable to Froyo version 2.2

## Samsung Galaxy S Plus



ANNOUNCED  
April 2011

CONTRACT PRICE  
N/A, from £280 SIM free

PREPAY PRICE  
N/A

SIZE  
122.4 x 64.2 x 9.9mm

WEIGHT  
119g

SCREEN SIZE  
4-inches

STORAGE  
8/16GB

CAMERA  
5-megapixels

PROCESSOR  
1.4GHz Scorpion

BATTERY LIFE  
430 hours standby  
7.5 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3

## Samsung Galaxy Apollo



ANNOUNCED  
June 2010

CONTRACT PRICE  
N/A

PREPAY PRICE  
£95

SIZE  
113.5 x 55 x 12.6mm

WEIGHT  
113g

SCREEN SIZE  
3.2-inches

STORAGE  
512MB

CAMERA  
3.15-megapixels

PROCESSOR  
667MHz

BATTERY LIFE  
480 hours standby  
7 hours talktime

ANDROID VERSION  
Éclair, version 2.1,  
upgradeable to version 2.2

## Samsung Galaxy Fit



ANNOUNCED  
January 2011

CONTRACT PRICE  
Free from £10.50 per month

PREPAY PRICE  
£85

SIZE  
110.2 x 61.2 x 12.6mm

WEIGHT  
108g

SCREEN SIZE  
3.5-inches

STORAGE  
158MB

CAMERA  
5-megapixels

PROCESSOR  
600MHz

BATTERY LIFE  
421 hours standby  
6.5 hours talktime

ANDROID VERSION  
Froyo version 2.02, upgradeable to  
Gingerbread version 2.3

## Samsung Galaxy W



ANNOUNCED  
August 2011

CONTRACT PRICE  
N/A, £210 SIM free

PREPAY PRICE  
N/A

SIZE  
115.5 x 59.8 x 11.5mm

WEIGHT  
114.7g

SCREEN SIZE  
3.7-inches

STORAGE  
1.7GB

CAMERA  
5-megapixels

PROCESSOR  
1.4GHz Scorpion

BATTERY LIFE  
420 hours standby  
8 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3.5

## Samsung Galaxy Tab 7.0 Plus



ANNOUNCED  
October 2011

CONTRACT PRICE  
N/A, from £400 SIM free

PREPAY PRICE  
N/A

SIZE  
193.7 x 122.4 x 9.99mm

WEIGHT  
345g

SCREEN SIZE  
7-inches

STORAGE  
16/32GB

CAMERA  
3.15-megapixels

PROCESSOR  
Dual-core 1.2GHz

BATTERY LIFE  
1000 hours standby  
20 hours talktime

ANDROID VERSION  
Honeycomb version 3.1,  
upgradeable to version 4.1

## Samsung Galaxy Y Pro



ANNOUNCED  
August 2011

CONTRACT PRICE  
N/A, from £130 SIM free

PREPAY PRICE  
N/A

SIZE  
10.8 x 63.5 x 11.5mm

WEIGHT  
108.6g

SCREEN SIZE  
2.6-inches

STORAGE  
160MB

CAMERA  
3.15-megapixels

PROCESSOR  
832MHz

BATTERY LIFE  
500 hours standby  
6 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3

### Samsung Galaxy Xcover



ANNOUNCED  
August 2011

CONTRACT PRICE  
Free from £10.50 per month

PREPAY PRICE  
N/A

SIZE  
121.5 x 65.9 x 12mm

WEIGHT  
100g

SCREEN SIZE  
3.65-inches

STORAGE  
150MB

CAMERA  
3.15-megapixels

PROCESSOR  
800MHz Marvell MG2

BATTERY LIFE  
640 hours standby  
11 hours talktime

ANDROID VERSION  
Gingerbread, version 2.3

### Samsung Galaxy R



ANNOUNCED  
June 2011

CONTRACT PRICE  
N/A, from £699 SIM free

PREPAY PRICE  
N/A

SIZE  
125 x 66 x 9.5mm

WEIGHT  
135g

SCREEN SIZE  
4.2-inches

STORAGE  
8GB

CAMERA  
5-megapixels

PROCESSOR  
Dual-core 1.2GHz Cortex-A9

BATTERY LIFE  
550 hours standby  
9 hours talktime

ANDROID VERSION  
Gingerbread version 2.3,  
upgradeable to version 4.0

### Samsung Galaxy Gio



ANNOUNCED  
January 2011

CONTRACT PRICE  
N/A, from £150 SIM free

PREPAY PRICE  
N/A

SIZE  
110.5 x 57.5 x 12.2mm

WEIGHT  
102g

SCREEN SIZE  
3.2-inches

STORAGE  
158MB

CAMERA  
3.15-megapixels

PROCESSOR  
800MHz

BATTERY LIFE  
460 hours standby  
6.5 hours talktime

ANDROID VERSION  
Froyo version 2.2, upgradeable to  
version 2.3

### Samsung Galaxy Ace Plus



ANNOUNCED  
January 2012

CONTRACT PRICE  
Free from £13.50 per month

PREPAY PRICE  
N/A

SIZE  
114.5 x 62.5 x 11.2mm

WEIGHT  
115g

SCREEN SIZE  
3.65-inches

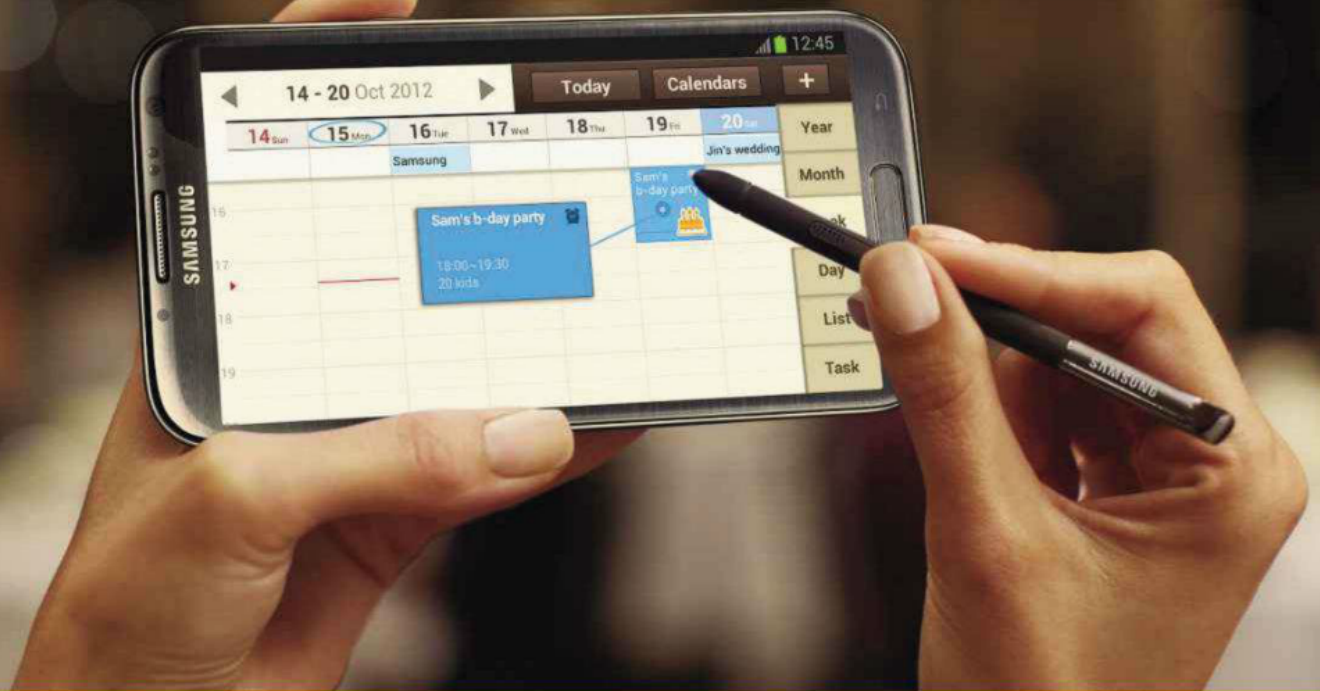
STORAGE  
3GB

CAMERA  
5-megapixels

PROCESSOR  
1GHz Cortex-A5

BATTERY LIFE  
420 hours standby  
7 hours talktime

ANDROID VERSION  
Gingerbread version 2.3,  
upgradeable to version 4.1



## Chapter 3

# Setting up your Galaxy

## Samsung set up manager

First time Samsung Galaxy device user? Don't fret! Configuring things like Accounts, Wi-Fi, Mobile Data, Date and Time couldn't be easier thanks to Android's set-up manager. Just follow these detailed steps and you'll be up and running in no time.

When you turn your Galaxy device on for the first time, you'll be taken through the steps to set up your device the way you want it.

You can change many of these settings from the main settings menu. To access this at any time, just open the apps tray and swipe your way to the screen where you'll find 'Settings'.

Please note: Although the process for setting up your Samsung Galaxy is the same whatever device you have and Android version you're using, the way it is presented on the screen may differ.

### Top Secret Tip

You can block unwanted phone calls on your Samsung device very easily, so only your contacts can get through to you. Go to Settings > Blocking mode > click Enable and then scroll to the bottom of the screen. Choose Allowed contacts and select who you want to allow to call you.

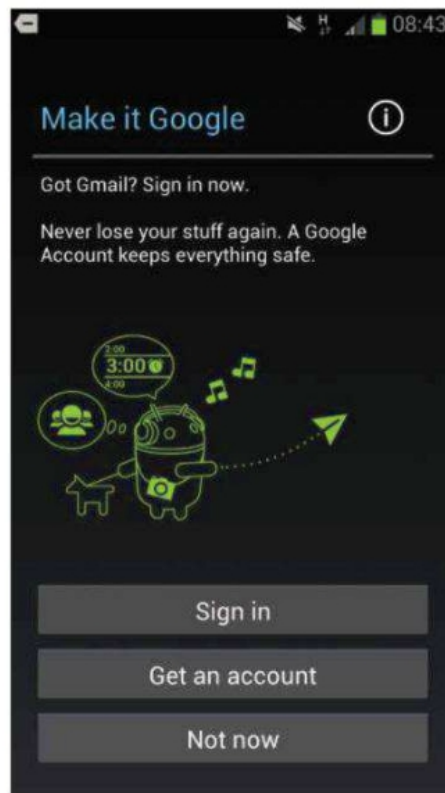


#### Setting the date, time and language

- ➔ First, you'll need to choose your language and the date and time. Check those displayed are correct and tap 'Next' (your phone will automatically use your network to set the date and time).

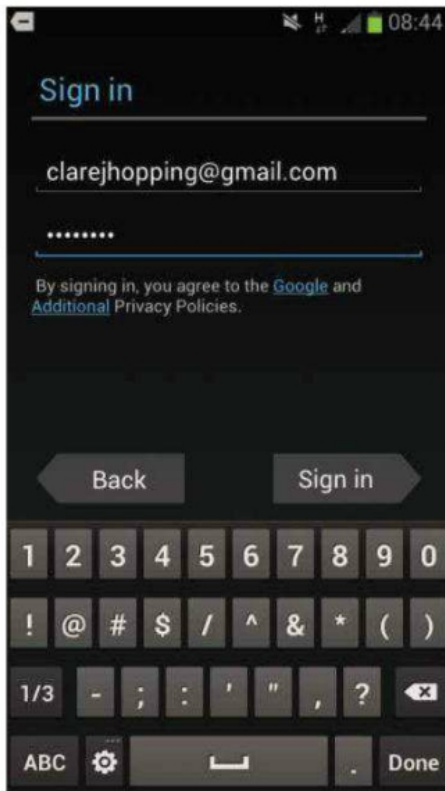
#### Setting up your Samsung account

- ➔ Your Samsung Galaxy will now ask if you have a Samsung account (the Galaxy Nexus will skip this step). You can sign in if you have one, set up a new account or skip the step altogether.



#### Setting up your Google account

- ➔ You'll be asked if you have a Google account or not. This will set up your email for you as well as registering your email account for services like Google Play, which is the Android application, music and video store.
- ➔ If you haven't already set one up, you can do so by pressing 'No'. If you do have a Google account, enter your user name and password when requested.

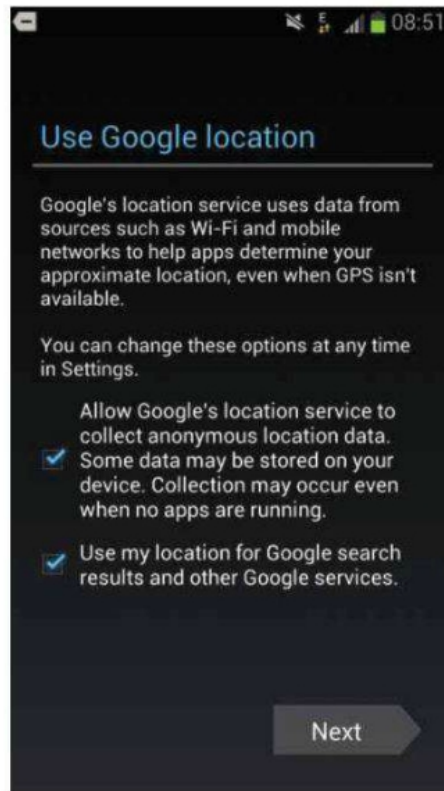


### Terms and conditions

- ➔ Accept the Google terms and conditions, privacy policy and Google Play terms of service when requested, all of which can be read via the links provided. You will need to accept these to use your phone.
- ➔ You will now be signed into your Google account, but it may take a little time depending on your internet connection.

### Backup and restore

- ➔ Your phone will now ask if you'd like to back up and restore your phone. If you've used Android before, it will restore your phone to the last used settings. It may take some time though depending on what you had installed.



### Use Google location

- ➔ Here, you can opt whether you'd like Google to collect and store your location data for Wi-Fi hotspots and mobile networks. It'll stay stored on your device and could be used for things like remembering Wi-Fi network connection details.
- ➔ You can also opt in to your Samsung phone using your location in Google search results and other Google services. Allowing this will provide better, more relevant search results for you.

### Providing your name

- ➔ Adding your name on the 'This phone belongs to...' screen will mean some apps will use your name when greeting you. It's not essential, but adds that little personal touch.



### Dropbox

- ➔ Dropbox is a cloud storage service that can store documents, photos, videos and any other files. If you set the service up on your computer too, you can access your files wherever you are. You can also access the service via a browser.
- ➔ After you've set up an account or entered your existing details, you can choose whether you want all your photos and videos automatically saved to Dropbox.

## Home screen and widgets

Your Samsung Galaxy device features multiple home screens, which you can populate with all kinds of content and multimedia. It's completely customisable, and you can add as much or as little content as you like. It's completely up to you how you want your Galaxy device to look.



### Adding and deleting home screens

- ➔ To add a new home screen, long press and hold any existing home screen. Choose the top option and select 'Page.' Then just tap on the screen with a '+' displayed to add a new screen.
- ➔ If this option isn't offered, press the menu key from the home screen (the left key below the screen) and select 'Edit page' to get to the home screen overview screen.
- ➔ To delete a home screen, follow the same process as above, but when you get to the home screen overview page, press and hold the page you want to delete then drag it to the recycle bin at the bottom of the screen.
- ➔ You can also re-order home screens from here. Just press and hold, then move.



### Adding a wallpaper

- ➔ To add a wallpaper to your home screen, lock screen or both, press and hold a home screen and select Wallpaper > Home screen/lock screen/home screen and lock screen.
- ➔ Select the wallpaper you want to change and where to get the picture from. Your Galaxy phone has a number of pre-installed wallpapers or you can use one of your gallery pictures.
- ➔ The home screen supports active wallpapers too.
- ➔ Choose a picture or wallpaper from the relevant album. If you're choosing one of your own pictures, you'll be invited to crop your picture. Tap 'Done' and your wallpaper will be set.



### Adding widgets and apps to the home screen

- ➔ To add a widget to your Samsung's home screen, press and hold any home screen, then tap 'Add to home screen.'
- ➔ Next, choose apps or widgets and press and hold the app or widget you want to add, and move it to where you want it, sliding along to change home screen. You can also add bookmarks to your favourite websites and shortcuts to apps.



### Adding folders

- ➔ You can organise apps into folders to make things easier to find. To do so, long press the home screen and select 'Add to home screen'. Choose the folder and name it something memorable or descriptive and drag and drop the apps you want to put in the folder.

### Top Secret Tip

A little low on free minutes or credit? You can make free calls on your Samsung Galaxy device by downloading and installing Skype, an application that allows you to call people over Wi-Fi. Your contacts will have to be on Skype too, but it's worth spreading the word. That way, you can all save money!



### Adding apps to lock screen

- ➔ Samsung's Touchwiz interface allows you to add shortcuts to your home screen so you can launch them without unlocking your phone. To do this, navigate to and open the 'Settings' app.

- ➔ Now scroll down the settings menu and tap 'Security' then 'Lock screen options.'

Note: The Lock screen menu may just sit it the Personal folder, alongside Security.

- ➔ Now confirm that the shortcut button is turned on and then tap 'Shortcuts.'
- ➔ Now you will be presented with four icons. Drag those that you want to remove from the lock screen to the trash and use the '+' symbol to add new app shortcuts.

### Top five launcher apps for Android

- ➔ Launcher Pro
- ➔ Apex Launcher
- ➔ Go Launcher EX
- ➔ Nova Launcher
- ➔ ADW Launcher EX

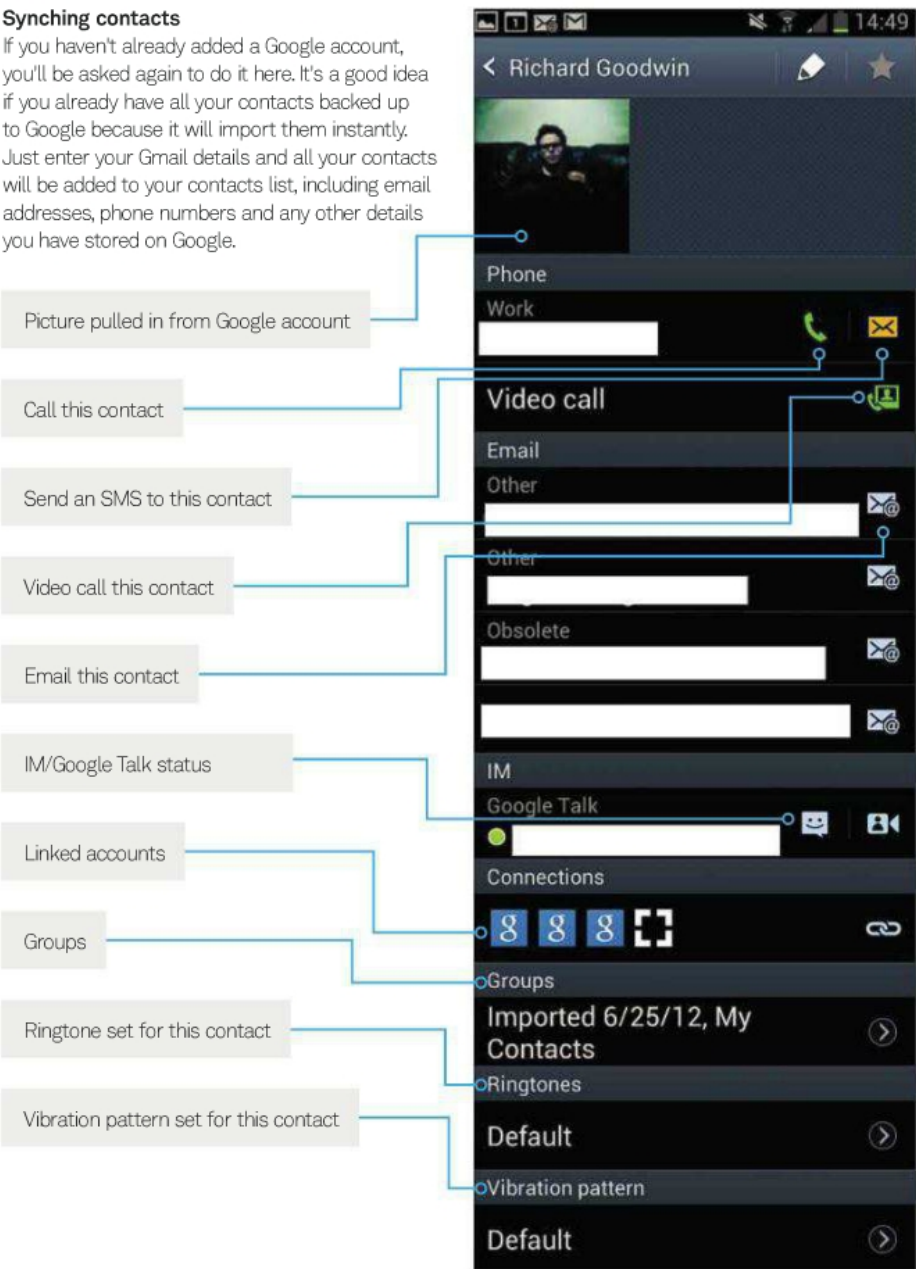


# Contacts

When you first turn your phone on you'll see that your Contacts application is empty. This is no good. But because your Galaxy device is Android-powered, you have lots of options at your disposal for populating it with all your favourite people.

## Synching contacts

If you haven't already added a Google account, you'll be asked again to do it here. It's a good idea if you already have all your contacts backed up to Google because it will import them instantly. Just enter your Gmail details and all your contacts will be added to your contacts list, including email addresses, phone numbers and any other details you have stored on Google.



## Manually adding contacts

- ➔ To add contacts manually, you can start right from the phone screen. Just type in a contact's number and an 'Add contact' box will pop up. Tap it and then either select 'Update existing' to link it to an existing contact (just choose the contact from your existing list) or 'Create contact.' Choose where you want to save it (we recommend Google to have a back up) and then enter the details. Tap 'Save'.
- ➔ You can also add a contact by navigating to 'Contacts' and tapping the '+' icon next to the search bar.



### Importing contacts

- If you have contacts saved on your SIM card and are just transferring them across to your new Galaxy, open up the 'Contacts' application and tap the 'Menu' icon. This will vary according to which device you're using, but it's normally the left soft key or touchscreen button. Now, select 'Import/export' and choose 'Import from SIM card'. You can choose which account you'd like it linked to or just save to your phone.

### Exporting contacts

- Follow the instructions above, but select 'Export to SIM card'. You can select one contact or all and then click 'Done' and they'll be transferred.

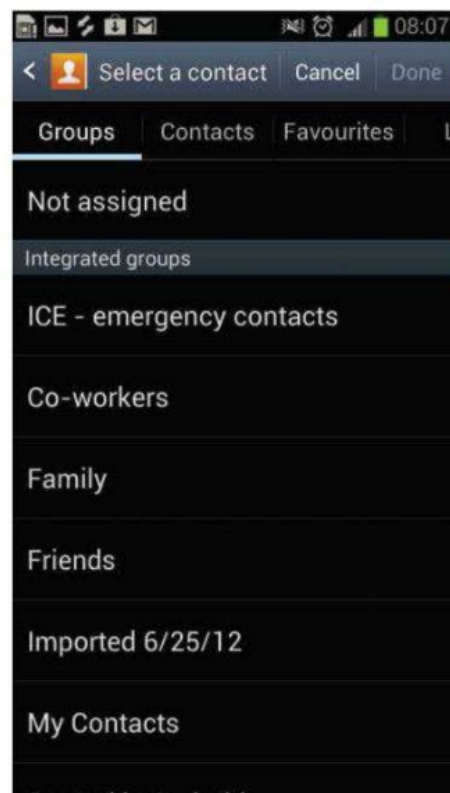


### Removing contacts

- To delete a contact or number of contacts, tap the menu key from inside the 'Contacts' app and select 'Delete'. Now, choose which contacts you want to delete and tap 'Done'.

### Sending a contact

- To send a contact via vCard (the standard way of sending contacts across any mobile platform or computer), choose 'Import/export contacts' as above and then choose 'Send name card via'. Select the contact you want to send, hit 'Done' and then choose how you'd like to send the contact.



### Creating a group

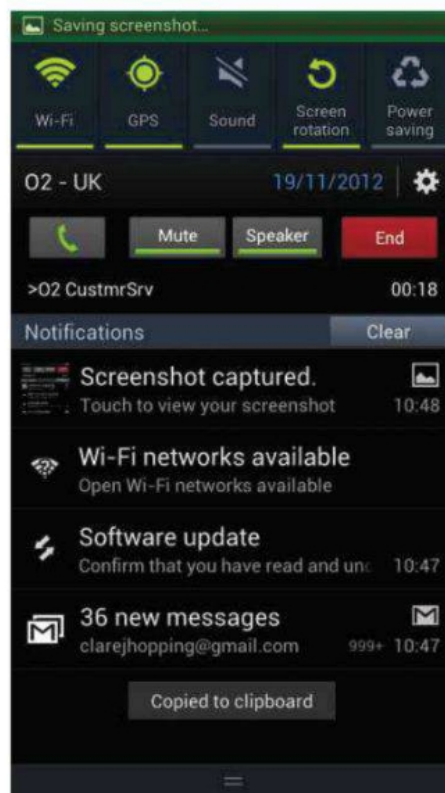
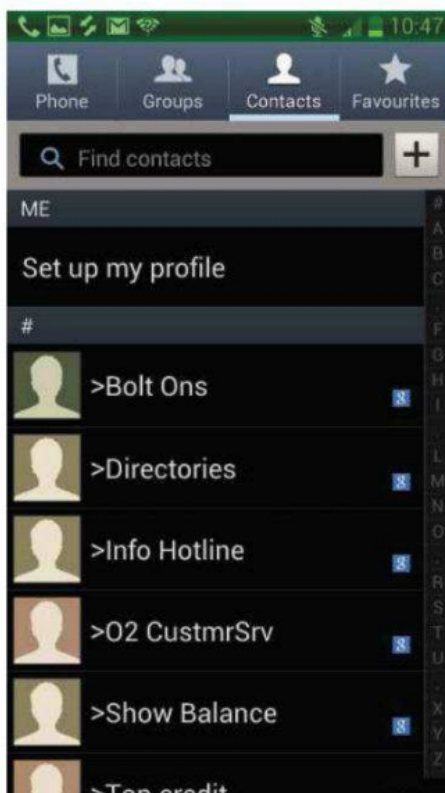
- You can set up groups in your contacts to communicate with certain friends or contacts at the same time. To do this, navigate to the 'Groups' tab from the 'Contacts' app and press the menu button. Select 'New,' name your group, add a ringtone if you wish, then start adding your contacts. You can, of course, use any predefined groups too.

### Adding contacts to your Favourites

- You can easily add contacts to your favourites on your Samsung Galaxy so you have access to them in just a couple of taps.
- To set this up, head to your contacts list and tap the 'Favourites' tab. Now press the menu button under the screen and 'Add to favourites'. Select the contact(s) you want to add and hit 'Done'.

## Calling

Making calls is a basic but necessary feature of every smartphone, and your Samsung Galaxy device is no exception to the rule. Here, we'll show you everything you need to know about making calls on your Samsung Galaxy device.



### Phoning from contacts

- ➔ Head to 'Contacts', choose the person you want to call and either swipe left to right on the name to call or tap to open the contact and then the phone number to start a call.
- ➔ Your third option for making a call is via S Voice, Samsung's voice recognition feature. You can find out more about this on page 110.

#### Top Secret Tip

You can instantly silence some Samsung Galaxy smartphones just by turning them over. This works on all Samsung devices with S-services enabled, such as the Samsung Galaxy S III. Just go to Settings > Motion > Motion activation > Turn over to mute/pause to activate.

### Conference calling

- ➔ To make a conference call, head to the contacts screen or dialer and enter the number you want to call. Tap the green phone icon to make the call and put the first call on hold (see below for how to do this).
- ➔ While on the first call, you can dial new contacts in by tapping on 'Add call'. You'll be taken to the contacts app where you can search for a contact to add into the call, dial a new number or add a favourite or group.
- ➔ Make the call and then head to the call status screen where you will see that one call is on hold and the other is active. Now tap 'Merge' to unite the two calls.

### Putting a call on hold

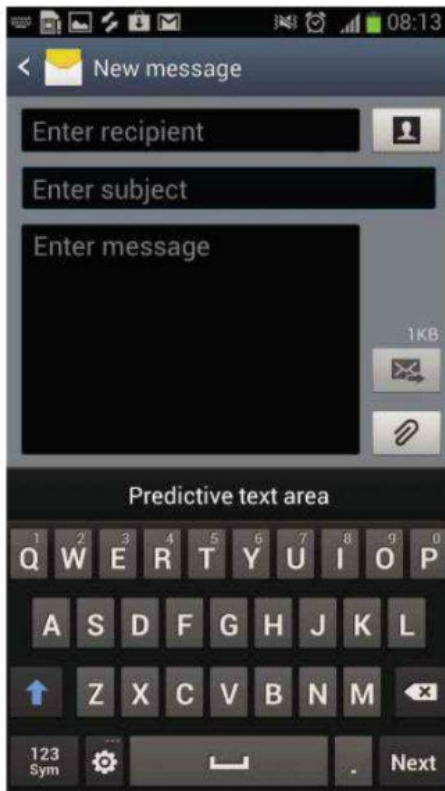
- ➔ To put a call on hold, tap the pause icon at the bottom of the caller screen. The phone call will now display as on hold.

### Activating the speakerphone

- ➔ Activating the speakerphone is easy on your Samsung Galaxy. You just need to tap the speaker icon at the bottom of the call screen. You can also pull down the status bar and tap 'Speaker' to go into speaker mode or mute if you don't want the person on the other end to hear you.

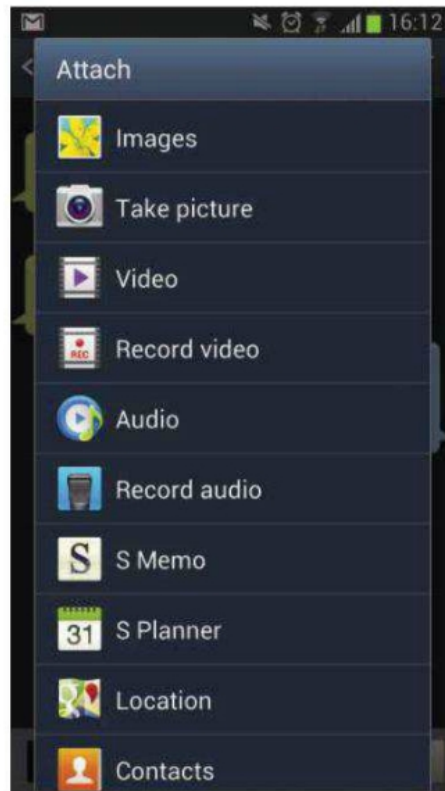
## Messaging

All your SMS is done via the Messaging folder. On TouchWiz-powered devices, it's a yellow and white envelope that can be found on your main row of app icons. On the Galaxy Nexus, it appears as a green speech bubble.



### Composing texts

- ➔ To compose a message, tap 'Messaging' and then the pen icon in the top right of the screen. Enter the recipient of the message by typing the first characters of their name or phone number in the box.
- ➔ Now type your message and select the envelope icon to send the message.
- ➔ You can also add a subject by pressing the menu button and selecting 'Add subject'. This will create an additional field where you can add a subject to your message.



### Adding attachments

- ➔ After composing your message as above, tap the paperclip icon to add an attachment. You can add everything, from a picture to an audio clip, location, memo, contact and more. Just select the relevant media, choose the file and select the envelope icon to send.

### Group texting

- ➔ To send a text to a group rather than an individual, compose a message and select the contacts icon next to the recipient. Tap 'Groups,' select the group and then the contacts from that group you want to send the text to. Tap 'Done' and the contacts from that group will be added to the recipient list.
- ➔ Then simply create the message and send.

### Best keyboard apps for Samsung Galaxy devices

- ➔ SwiftKey
- ➔ Thumb Keyboard
- ➔ Swype
- ➔ Adaptxt
- ➔ FlexT9



### Secure messages

Android doesn't feature the ability to secure your text messages or hide them from prying eyes, but there are loads of apps available that will allow you to password-protect your messages so colleagues, friends or family can't see them. Here are our favourites:

- ➔ Secure SMS
- ➔ TextSecure
- ➔ Indigo Secure SMS

## Calendar (S Planner)

S Planner on your Samsung Galaxy phone allows you to merge calendars with any of your email accounts and Facebook. Set up is simple and the calendar widget looks great displayed on a home screen. It even supports S Pen on Note devices. Yep, it's definitely time to throw away your paper diary!



### Forget about your Filofax

- ➔ You'll get alerts whenever an appointment is coming up so you can pretty much ditch your paper diary forever.
- ➔ When you set up your email or Facebook account on your Samsung Galaxy device, it will ask you what you want to sync from your account. If you choose to synchronise your calendar, all entries will appear in your handset's calendar app.

### Top Secret Tip

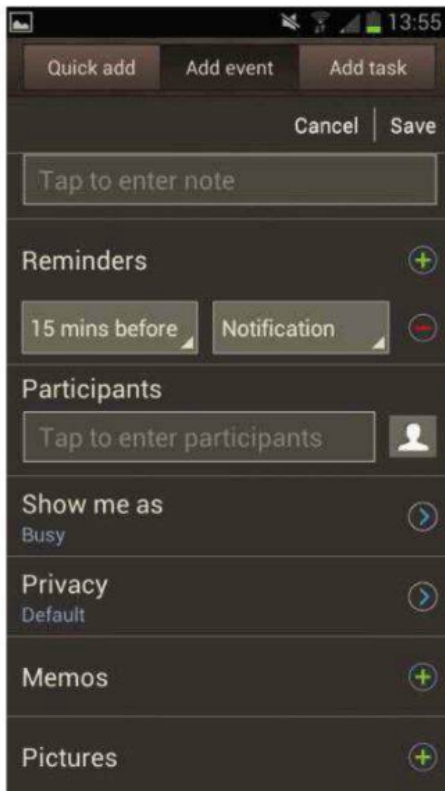
If your contacts are getting a little out of hand, with one entry linked to your Google, another to work and a third via Facebook, link them all by heading to **Contacts > the contact you want to link > chain icon > Join other contacts > Select contacts you want to link**.

### Changing the calendar view

- ➔ When you open up the S Planner, by default, you'll be able to see the month calendar. To access alternative views, tap the left-facing arrow in the top-right of the screen.
- ➔ You'll now see a number of tabs down the right side of the screen, including Year, Month, Week, Day, Agenda and Task. Tap any of these to see the period in full screen mode.

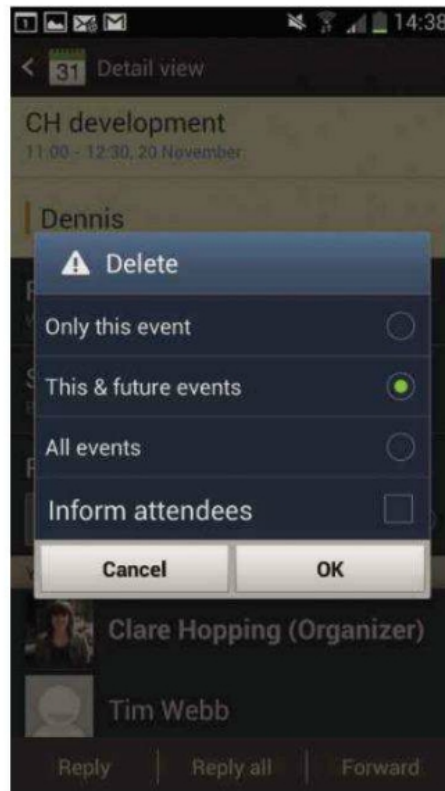
### Choosing which calendars to sync

- ➔ When you open the S Planner app, you'll see all your merged calendar entries from all your accounts. If you want to minimise the number of calendars that sync with your device, tap on the calendars tab at the top of the S Planner.
- ➔ Tap on the calendars to add them or remove them from your calendar.
- ➔ By default, all those associated with your email and Facebook accounts are synced, but you can also add extras, such as UK holidays and Phases of the moon.
- ➔ Once you've selected the calendars you wish to sync, tap 'Done' and you'll be taken back to the calendar view where different calendars will be colour coded.



### Adding an entry

- ➔ If you want to add a calendar entry manually to your device, open up the calendar widget and tap the '+' at the top of the screen.
- ➔ You can opt to add an entry using Quick add – just write in text your event, for example 'Team lunch tomorrow at 12PM', followed by 'Save'. The device will automatically decipher the text and add it to the calendar.
- ➔ For a little more information, select 'Add event'. Now enter a title and more detailed information. You can also choose to invite people to the event, add a reminder, choose how you want to appear to others and even attach a picture.
- ➔ The third option is adding a task. This allows you to enter a due date for something that needs to be completed, such as writing a report. You can add priority levels and a memo or picture too.



### Deleting a single or on-going calendar entry

- ➔ To delete a calendar entry, open up the event and tap the menu button, which is normally found below the screen on the left.
- ➔ Select 'Delete'. You'll see a lot of options pop up if your event is a regular one (such as a weekly/monthly meeting), or you have invited people to the meeting.
- ➔ If this is the case, choose whether you just want to delete one occurrence, this and future occurrences or all events (whenever this event is scheduled for in the future). If you wish to inform attendees you've cancelled the event, tap the option, followed by 'OK' and the event will be deleted.

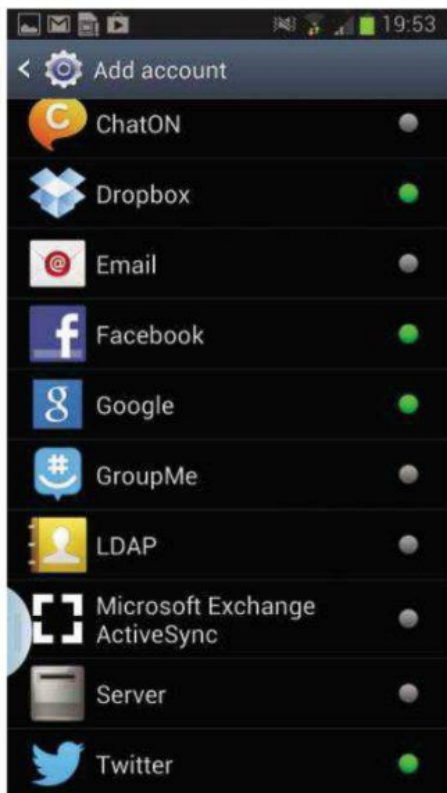
### Best calendar apps

- ➔ CalenGoo
- ➔ Touch Calendar
- ➔ Rabatan To Do Calendar
- ➔ DigiCal
- ➔ Agenda Widget



## Email

Every conceivable type of email is supported on your Galaxy phone from POP3 and IMAP to Microsoft Exchange. With a Galaxy phone in your pocket you won't miss a thing. Here's how to use everything email-related on your device.



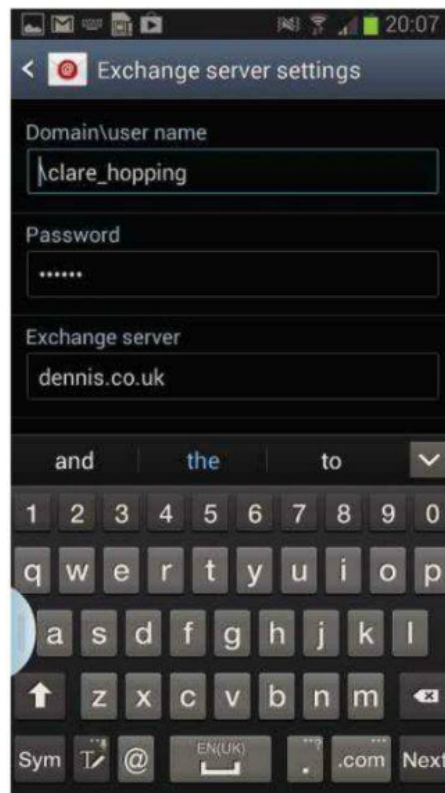
### Adding an account

- ➔ You'll probably be asked to set up email when you turn on your Samsung device for the first time, but if you don't set it up then, you can do so afterwards, by tapping the email icon in your App Drawer.
- ➔ To add a new email account, head to Settings>Accounts and Personal >Add account.

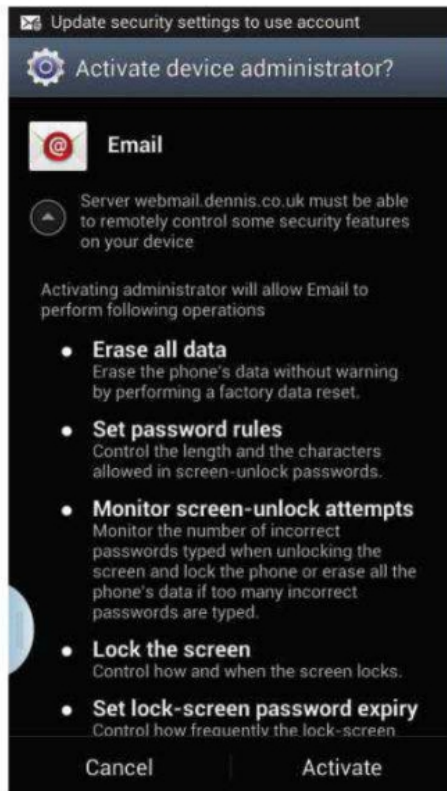


### Choose Email to set up a new email account

- ➔ Now enter your email address and password. If you want it to be your default email account for your device, tick the box and either select 'Next' to try and auto detect the settings (use this for accounts like Gmail, Yahoo or other web-based accounts), otherwise, select 'Manual'. You will need to know the details of the server you use to send your email.
- ➔ Choose what kind of account your email service uses. If it's a work email address, it will normally be Microsoft Exchange ActiveSync, but check with your company's IT department first just in case.



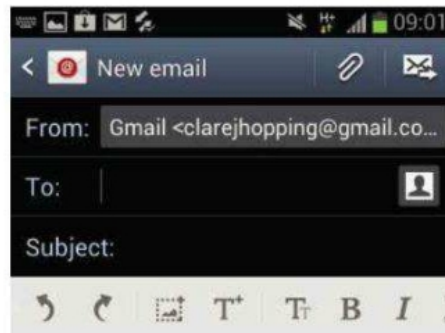
- ➔ Enter the Domain\User name. Ours is Dennis because our work's email domain is Dennis ([knowyourmobile@dennis.co.uk](mailto:knowyourmobile@dennis.co.uk)). You may need to check this with your email provider though.
- ➔ You'll need to enter the server you use to send/receive email and check whether you need to use an SSL connection or not.
- ➔ Select 'Next' and accept the T&Cs.
- ➔ The server will check your settings. You'll be asked what you want to sync. We recommend email, calendar and contacts. You can also choose whether you want all your SMS messages to be sent to your email address too.



- ➔ Give the account a name and your emails will start synching.
- ➔ If you have a corporate account, you may now be asked about corporate services. Accept the device administrator settings to give your IT department access to things like remote wipe if your phone is lost or stolen. Check with your account administrator to see whether you should allow this or not.

#### Removing an account

- ➔ It's simple to remove an account on your Samsung Galaxy device. Head to the 'Accounts' settings from the 'Settings' menu. Now choose the account you wish to remove and select 'Remove account'.

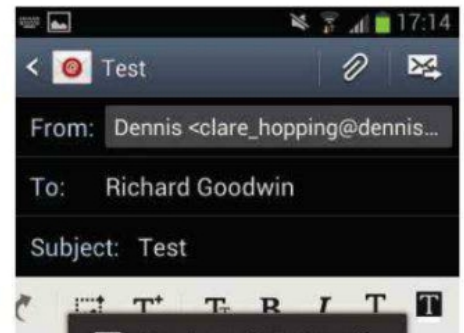


Sent from Samsung Mobile



#### Composing an email

- ➔ To compose an email, head to the email inbox you wish to send an email from. Now tap on the pencil icon in the top right corner.
- ➔ Type in the recipient's email address or begin typing a name from your contacts list. Alternatively, tap on the person icon and choose a group, contact from your contacts list, favourite or a contact from your recently emailed list and 'Done'.
- ➔ Now enter your email body copy. You can format the text using the tools below the subject line, and even insert a picture or add a quick response.
- ➔ To send, tap the envelope icon in the top right-hand corner.



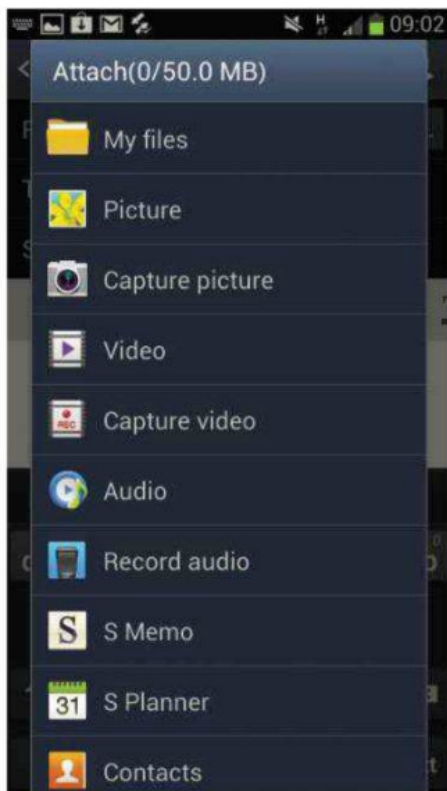
#### Adding a BCC/CC

- ➔ To add a BCC or CC to your email, tap on the menu button below the screen on the bottom left-hand side and choose 'Add BCC/CC'. Enter the email address for the CC or BCC'd recipient using the same methods as when adding the recipient.

#### Changing priority in your email

- ➔ You can mark an email as urgent via the menu, below the screen on the right-hand side. Select 'Priority' and choose either high, medium or low.

## Email continued...

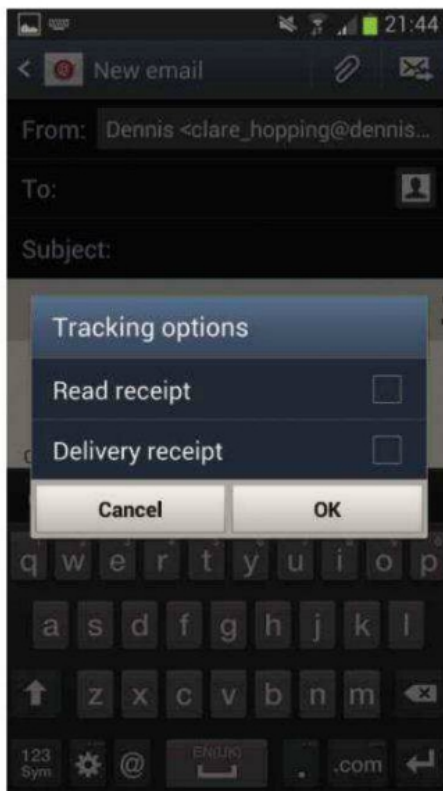


### Attachments

- ➔ Adding any attachment is easy. When composing your email, just tap the paperclip icon in the top right-hand corner and select either the type of file or 'My files' to choose a file saved in that folder on your phone.
- ➔ You can also choose to attach a calendar event or contact if you wish. Samsung Galaxy devices also allow you to take a new picture or record a voice memo to attach too.

### Forwarding an email

- ➔ Forwarding an email is simple. Just tap the forward icon (second from the end, top right of the screen) and enter the recipient, typing in any extra text at the top.

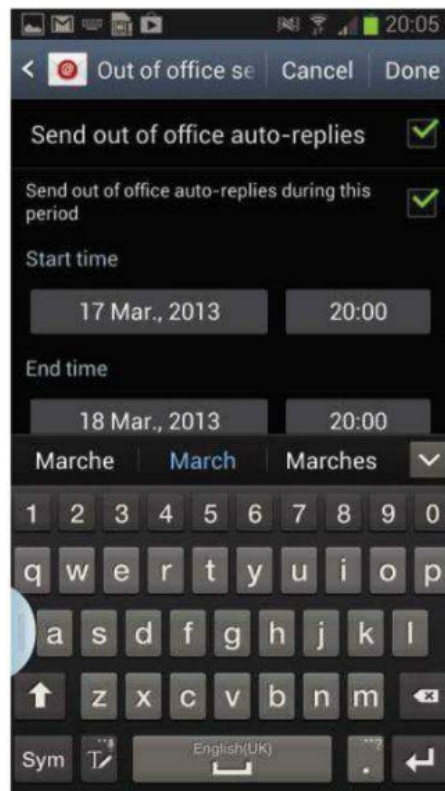


### Getting a read notification

- ➔ If you want to be told when someone opens and reads your email, select the menu from the compose email screen, and tracking options. You can choose here to get a receipt when the email is delivered and another when the email is read.

### Changing your email signature

- ➔ By default, your Samsung Galaxy device will have 'Sent from Samsung Mobile' at the bottom of the email. To change this to a personalised message, head to Settings > Accounts and sync > the email you want to modify > Settings > the email address > Signature. Now type in your new signature and ensure the slider is on.



### Add an out of office auto-response

- ➔ You can add an out of office reply to any ActiveSync email address.
- ➔ Head to Settings > Accounts and sync > the email you want to modify > Settings > the email address and scroll down to Exchange ActiveSync settings. Select 'Out of office' and tap the tick-box by 'Send out of office auto-replies'.
- ➔ Enter the start time and end time, plus your personalised message. Select whether you want those inside or outside your organisation, or both to receive the response and tap 'Done'.
- ➔ Ensure you change the message in both the Internal and External boxes to make sure the message is correct for both groups.

## Wi-Fi

Take advantage of Wi-Fi whenever and wherever you can. It'll save you a packet in mobile data costs and usually, although not in all cases, offers a speedier web connection. Here's how to configure your Galaxy device for Wi-Fi.



### Connecting to an existing Wi-Fi network

- ➔ Pull down the task bar from the top of the screen and select the settings icon.
- ➔ Turn on Wi-Fi and a list of available networks will appear. Choose the network you wish to connect to and enter the relevant password.
- ➔ You can turn Wi-Fi on and off by pulling down the task bar from the top of the screen and toggle the Wi-Fi icon on or off.

### Connecting to an invisible Wi-Fi network

- ➔ If your preferred network doesn't appear in the list, it may be set as invisible. If you know the name of the network, tap 'Add network' at the bottom of the screen and enter the network's SSID, security type and password if needed.



### Forget networks

- ➔ If you want to stop a network showing up in your Wi-Fi list, or want to stop your phone connecting to it, long press the network in question and tap 'Forget network'.
- ➔ If you wish to add this network at a later date, force your phone to re-scan for available networks by tapping 'Scan' at the bottom of the Wi-Fi menu.

### Setting up a Wi-Fi hotspot

Most Samsung Galaxy devices support Wi-Fi hotspots, allowing you to connect to the internet on your laptop or other mobile devices using its network data connection. Be warned though – although it's useful, you need to carefully monitor your data usage because it is very easy to go over your limits and end up with a huge data bill at the end of the month.

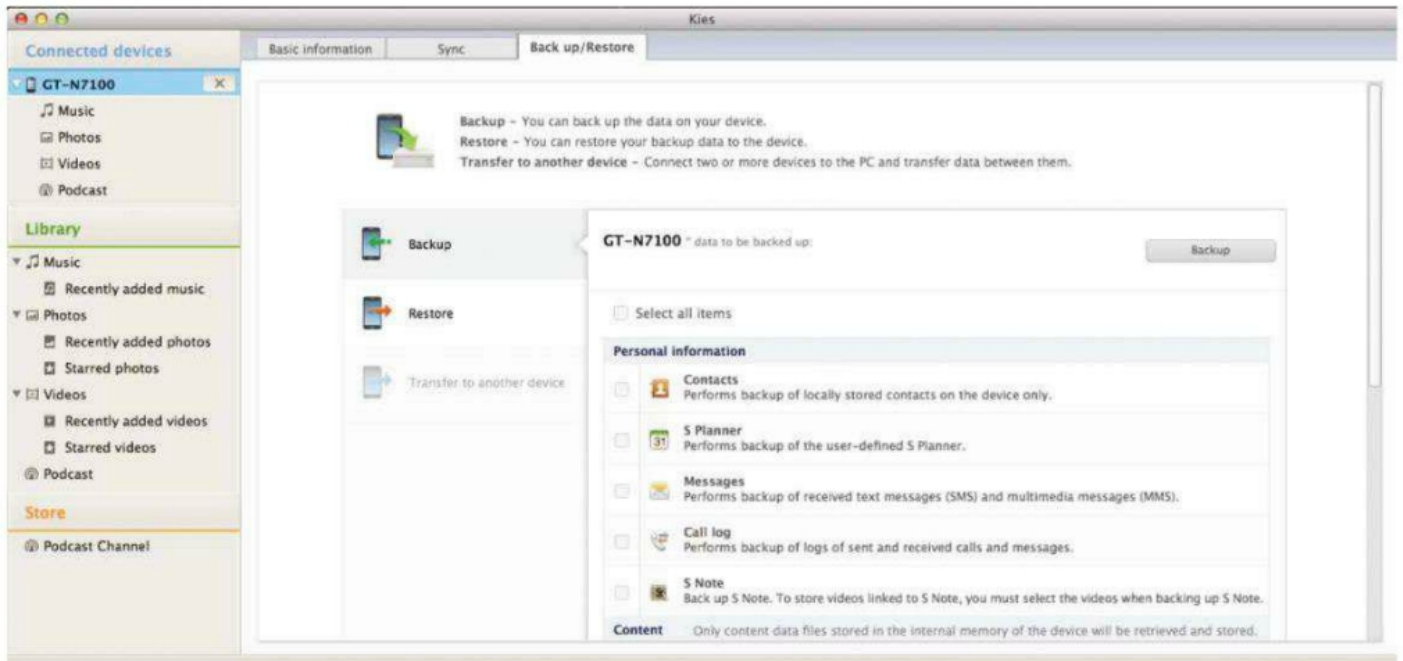
- ➔ To set up a Wi-Fi hotspot connection, head to Settings > More settings (under the wireless and networks section) > Tethering and portable hotspot.
- ➔ Turn on 'Portable Wi-Fi hotspot' and tap 'Configure'. Here you can change the connection name to something memorable and change the password required when another device wants to connect. You can also choose to hide your device but you will need to search for it manually from your laptop or other device.
- ➔ From your laptop or other device, search for a Wi-Fi connection. You should be able to find the network in seconds – it will have the name you just set on your Galaxy device. Enter the password and you should now be connected.

### Top Secret Tip

Phone running a little slow? Close some apps. Head to the multitasking screen by long holding the home button and all your open apps will pop up. Close them by swiping the 'cards' off the screen. They'll now be closed and your device will speed along.

## Synching and backup

Technology isn't perfect and things can go wrong. You could also lose your phone, get a new one and want all your old data, or, worse, have it stolen. For all these reasons and more, it's important that you backup your data. Here, we'll show you how.



### Kies overview

Samsung Kies is the Samsung backup and restore programme that ships with Samsung devices. It's available for Mac and PC.



### Backing up with Kies

Kies allows you to back up all of your data to your device so you can restore it later if you need to reset your phone or if it malfunctions. It's so simple to do.

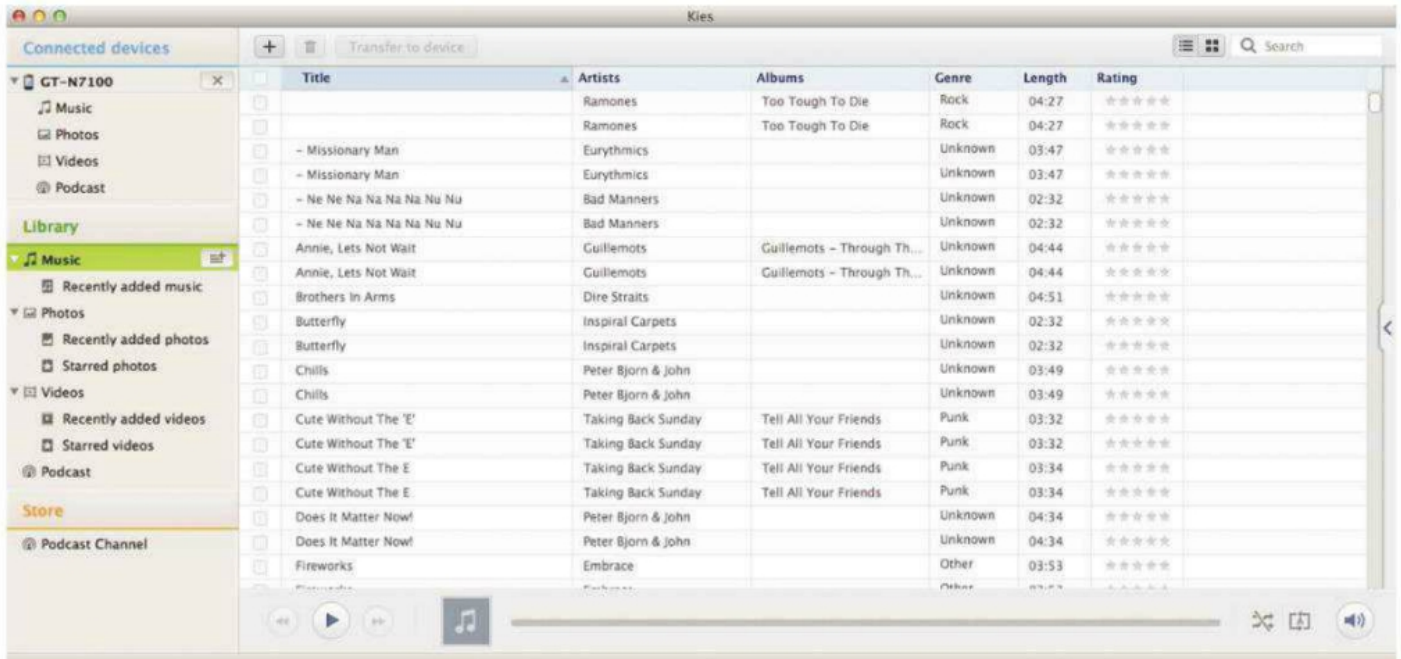
- ➔ Open up the Kies software on your computer and plug your phone in using the USB cable provided with your device.
- ➔ Kies should detect your device in the upper left-hand corner.
- ➔ Navigate to 'Backup/Restore' and select the items you want to back up by selecting the tick next to each item. You can back up almost everything, from your messages, to call logs, contacts, memos, music, applications, photos, settings and email accounts.
- ➔ Once you've selected what you want to back up, just tap Backup and the back up will start. Do not unplug your phone when this is happening as it can ruin your handset.

### Restoring with Kies

- ➔ To restore your device after performing a hard reset or if you wish to go back to an earlier back up of your device, navigate to 'Back up/Restore' and select 'Restore'.
- ➔ Select the back-up file you wish to use to restore your phone or select what you want to restore and select 'OK'.
- ➔ Your device will now restore.

### Top Secret Tip

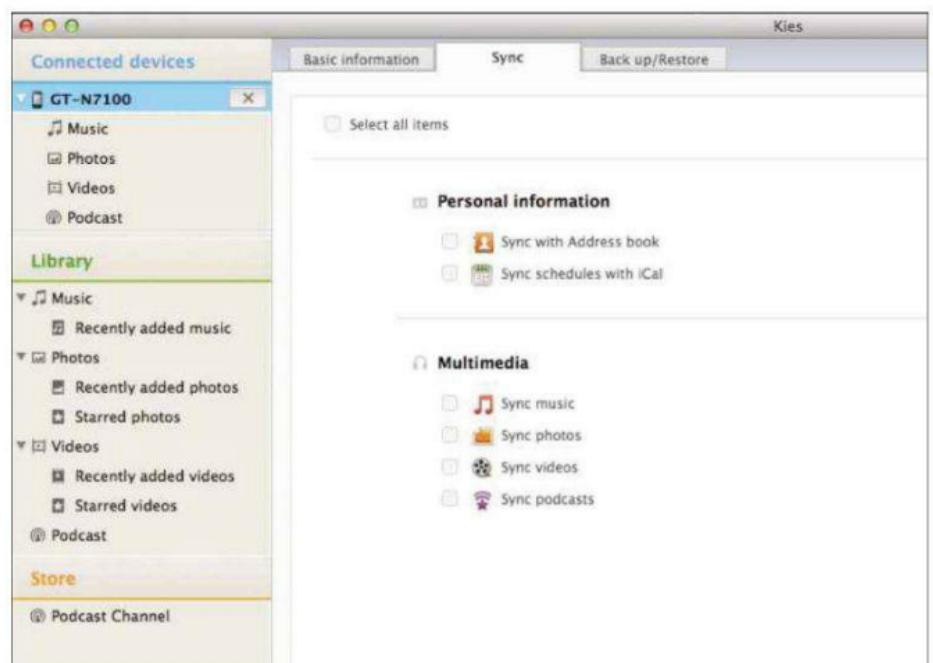
Save some battery juice by reducing the brightness of the screen and turning off 3G, Wi-Fi and Bluetooth when you're not using them. You can also turn off location services by heading to Settings > Location services > untick Use wireless networks, Use GPS and Location and Google search.



### Syncing with Kies

Kies allows you to sync your music, photos and videos from your PC with your phone.

- ➔ When you first start-up the Kies software, it will ask whether you want it to import all your music by searching your computer's hard drive or you can specify a particular folder. Once you've made your decision it will search your computer finding any relevant music files in the library.
- ➔ Now, you can add all or some of this music to your device. Select 'Music' and choose the artists or track you wish to add to your device. You can, of course, select all, but those with DRM protection will not be transferred.
- ➔ Now select 'Transfer to device' and the music will be transferred, providing there's enough free space on your handset.
- ➔ You can transfer photos and videos in exactly the same way.



## Updating the firmware on your Galaxy

Firmware updates fix bugs, add new features and generally make your Galaxy device work better. Basically, they're pretty important. Here we'll show you how to check for, update and install the latest firmware on your Galaxy handset.



### Updating the firmware on your computer via Kies

- ➔ If an update is available for your Samsung Galaxy device, a message will pop up when you first plug your handset into your computer. It should read: 'A new firmware version is available. Upgrading may improve performance of [phone name]. Do you want to upgrade?' Along with the current version of the firmware and the version ready for upgrade. Select 'Update' to proceed. You will then be presented with a warning. Read this carefully and go ahead with the upgrade if you agree.
- ➔ The upgrade will then download and your phone will restart. Do not unplug your phone during the update as this can destroy your phone.
- ➔ When the upgrade is complete, your phone will turn back on and you will be presented with a 'firmware upgrade is complete' message. You can now continue using your phone.

### Updating the firmware on your phone over the air (OTA)

If a firmware update is available for your phone and it supports over the air (OTA) upgrades, you will be alerted in the toolbar.

- ➔ Tap the firmware update notification to update the firmware on your phone. We recommend you connect via Wi-Fi as some firmware updates are large and may force you to go over your network's data limit.

#### Top Secret Tip

Simplify your home screen by enabling Easy home screen. To turn this feature on, head to Settings > Home screen mode > Easy home screen. You'll find the home screen is now a lot more straightforward and easier to read and you can add favourite contacts, settings and apps easily.





## Chapter 4

# Applications

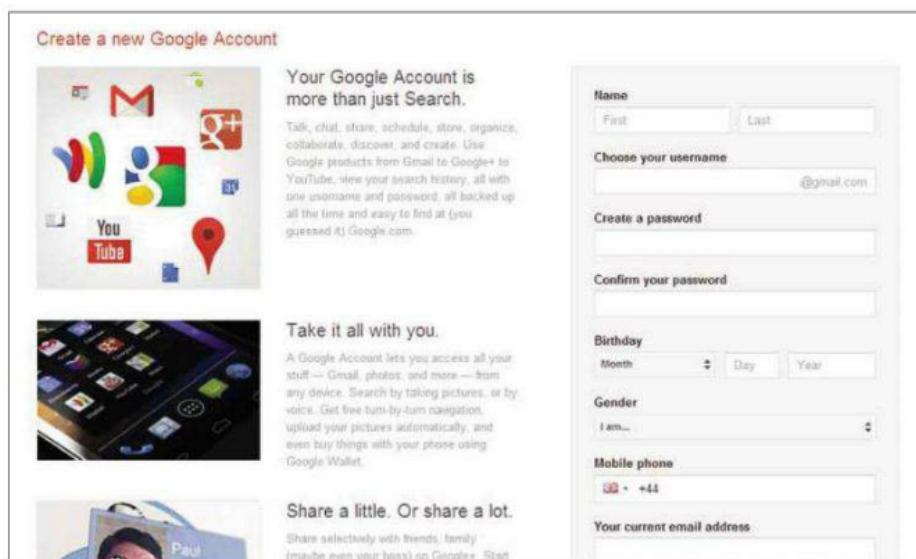
## How to use Google Play: Setting up, Searching, and Downloading

With an Android-powered Galaxy device there's a whole world of entertainment at your fingertips. Google's Play store houses some 600,000-plus applications and games, as well as the latest eBooks, films, TV shows and magazines.



### Top Secret Tip

You can take a screenshot on almost any Samsung Galaxy device, whether you want to show off your gaming talents or show people what they're missing. Just press the power button and home key, on Samsung-branded handsets or the volume down and power key on the Galaxy Nexus.



Google's Play store has more free content than any other platform so you can fill your handset or tablet up with tons of useful content without spending a penny. There's also plenty of premium content too, including console-like gaming, productivity applications and tools for professional users.

You can also buy and rent films and TV shows for either viewing on your Galaxy device or a connected Samsung HD TV.

Google's Play store is also available online via your PC's web browser. Once logged into Play on your browser you can download content and sync it with your smartphone and tablet. Perfect.

So whether it's films, gaming, TV, applications or literature, Google Play has it covered. Next, we'll show you how to set-up the Play store on your Galaxy device and how to use it correctly.

### Setting up Google Play

Before you can access Google's Play store or use your Galaxy smartphone or tablet to its full potential you'll need to sign-up for a Google account.

Having a Google account gets you access to all of Google's services – Gmail, Drive, Music, YouTube and Reader – and it also saves all of your contacts, apps and emails to the cloud, so you can switch between devices with ease.

### Setting up a Google Account

The easiest way to create a Google account is on your PC by opening up Google and selecting the 'sign up' option in the top right-hand side of your browser.

Fill in the relevant details – name, desired email address and password – and you're done. Now all your emails, contacts, apps, games and calendar entries will be synced across all your devices. Just sign-in with your Google account and they will be there.

## Setting up a Google Play account on your device

- ➔ Open Google Play.
- ➔ You'll now be prompted to 'Add a Google Account.'
- ➔ Select 'New.'
- ➔ Enter your first and last name, select 'Done.'
- ➔ Enter your desired email address.
- ➔ Create a password.
- ➔ Choose a security question and enter a recovery email address – this can be any email account you're currently using.
- ➔ You'll be invited to join Google+.
- ➔ Click 'Next' and you're done.

### Sign-in to Google Play

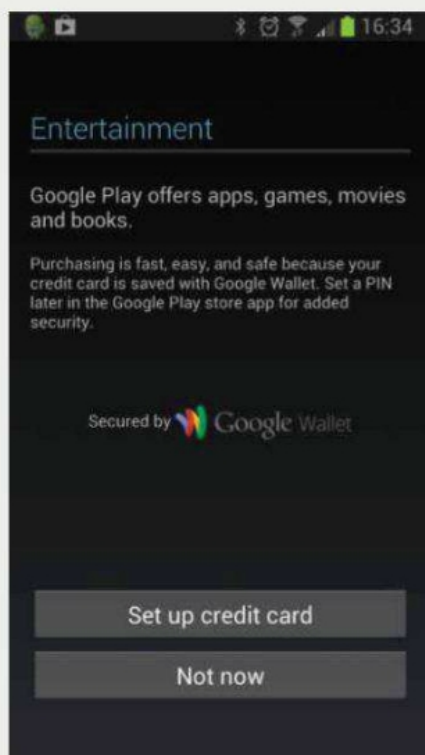
Now that your Galaxy device is all set-up, you'll want to start populating it with applications, games, books and movies. But before you can go exploring inside one of the world's largest digital content lockers, you'll need to sign-in with your newly acquired Google credentials.

#### Here's how it's done:

- ➔ Tap the Google Play icon on your Galaxy device
- ➔ Now you'll be prompted to 'Add a Google Account.'
- ➔ Enter your Google Account details – email and password.
- ➔ Follow the instructions – your device will guide you through the rest.

### Top Secret Tip

Samsung Jelly Bean devices feature a little hidden time-waster game. Just head to Settings > About device > Tap on Android version and jelly beans will fill the screen. You can swipe, flick and play with the little cartoon icons. It's seriously addictive and you have been warned!



## Setting up Google Wallet

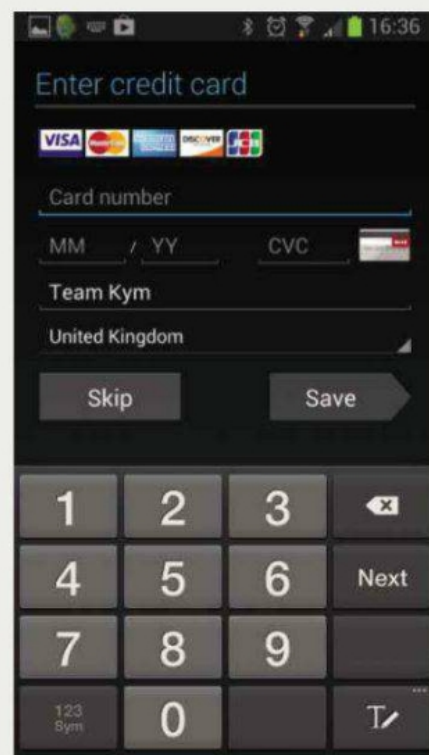
Google Wallet is the quickest, safest and easiest way to pay for content on the Google Play store.

All Galaxy handsets support it and setting up an account couldn't be simpler, as we'll show you over the following pages.

Google Wallet is a digital payment system that enables you to purchase content directly from the Play store with one click. All you need to do is attach your credit or debit card to your Google Account.

But, before you sign-up to Google Wallet, please ensure your credit/debit card is supported. Google Wallet accepts the following types of card:

- ➔ American Express
- ➔ Discover
- ➔ MasterCard

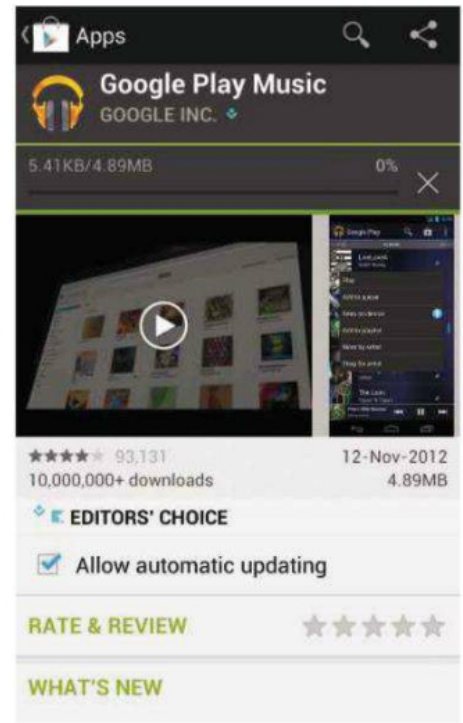
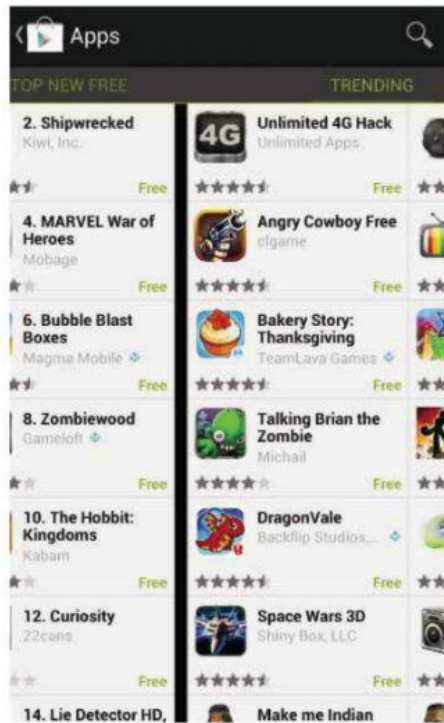


- ➔ Visa
- ➔ Visa Electron

Because your account is new and doesn't have a credit/debit card saved to it, Google will prompt you to set up a payment method once you've signed in.

- ➔ Select 'Set up credit card.'
- ➔ Enter you card's details and follow the on-screen instructions.
- ➔ Once you're signed-in successfully, you'll be presented with a variety of sync options. Just select the ones you want to be synced with your device.

Now that you've registered with Google, signed in to the Play store, and added a payment method you're ready to go off and explore everything that's on offer inside.



## Searching Google Play

Google breaks all of its published content down into sections: Apps, Music, Books and Movies. Open the Play store and you'll see them running down the left-hand side of your display.

Google Play also aggregates all the latest content from its legions of publishers, with top content, new releases and deals taking centre stage on its home page.

### Know what you're looking for?

- ➔ Hit the 'Search' icon – it's located in the top right-hand corner.
- ➔ Select the content and you'll be taken to a download page.
- ➔ Click 'Install' and the application will be downloaded to your device.

### Browsing?

The Play store is an excellent place to browse for new applications and games as there's always so much to choose from, and everything is broken down into logical, easy-to-navigate categories and sections.

### Let's look at Apps

From the Play store's home page, select 'Apps'. Inside here you have a few options:

- Featured** – New applications are displayed everyday here, complete with a banner image.
- Staff Recommendations** – A curated list of all the best apps out there.
- Editor's Choice** – Another list of hand-picked applications.
- Games** – This takes you through to the Games section.

### Exploring Apps

Google aggregates content across all sections in its Play store based on ratings, pricing, and how many times they've been downloaded. That way you can see what's most popular with fellow Android users around the globe.

### Navigating

- ➔ Swipe from left-to-right to reveal Categories.
- ➔ Swipe right-to-left to see Top Paid content.
- ➔ Another swipe right will reveal Top Free content.
- ➔ Another, Top Grossing.
- ➔ Another, Top New Paid.
- ➔ Another, Top New Free.
- ➔ And finally, Trending.

Please note: all of these navigation processes apply to all areas of the Play store – Apps, Games, Music, Books and Movies.

When you've found the application, game, film, book, or TV show you want to download, simply select the install or price icon, click the 'Accept & Download' option and your application will install.

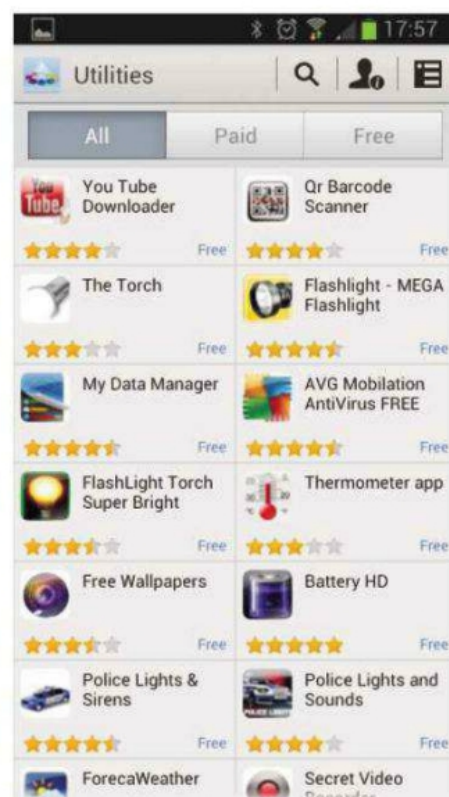
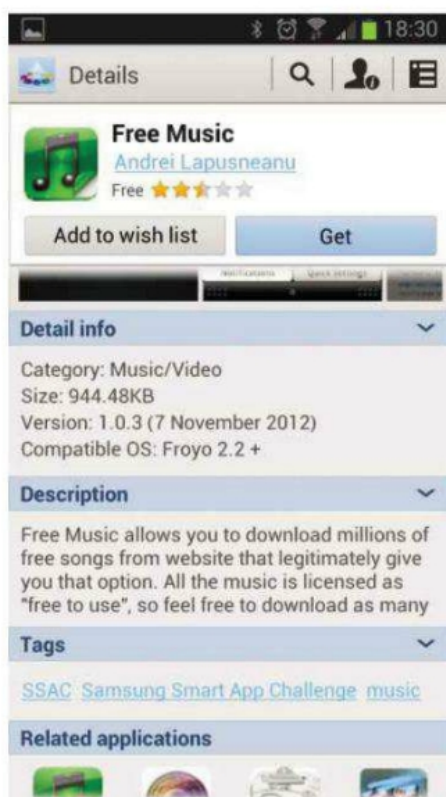
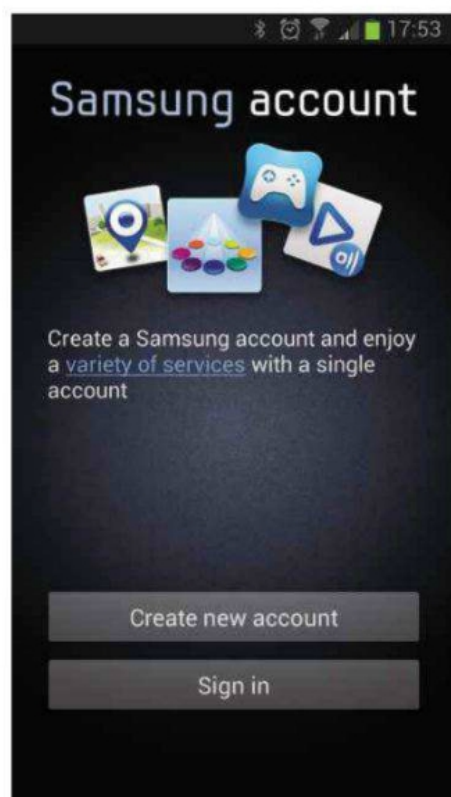
You can also preview a video of the content, as well as pictures and user reviews, before downloading. Like what you've downloaded? Why not Google+ it so others can see your recommendation by tapping the G+ icon.

You'll know your Google Play content is downloading when an icon appears on the top left-hand side of Galaxy device – it's a down-pointing animated arrow. Once the content has downloaded, it will appear on one of your device's home screens or inside your apps menu.

Books, Films and TV will be added to Google Music, Play Books and Play Movies' respective libraries. To access this content simply open the application and the new media should be in there. Simple.

## Samsung Apps overview

With an Android-powered Galaxy device you have two application stores at your disposal in the form of Google Play and Samsung Apps.



### Top Secret Tip

If you use Dropbox on your computer, make sure you set up the cloud storage service on your Samsung Galaxy device. You'll be able to access your cloud-based files wherever you are, plus you'll be rewarded with an additional 50GB storage at no cost whatsoever.

With Samsung Apps you can download specific content for your device to make it even smarter. You'll also get exclusive access to offers that aren't available anywhere else, such as free downloads on big-name content and a whole host of other deals for handset add-ons that can be used with S Pen, for example.

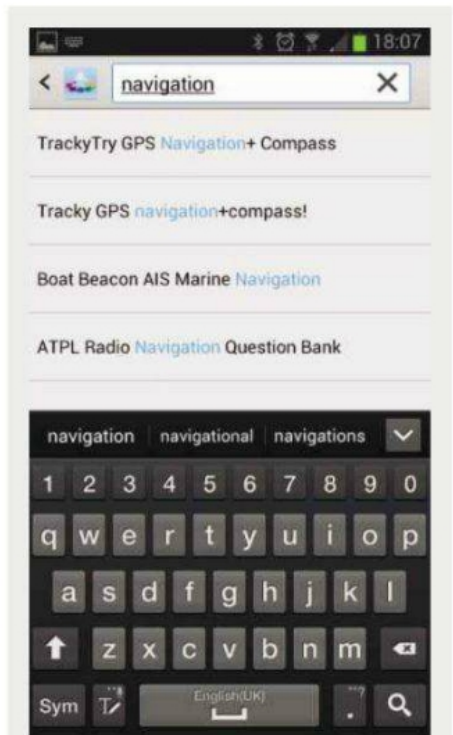
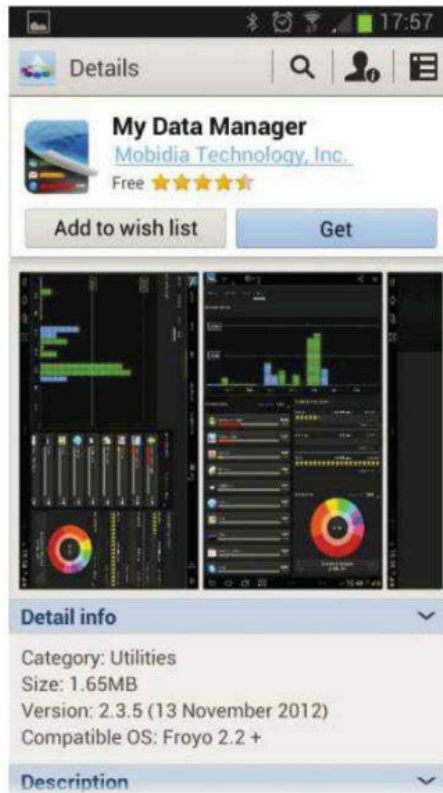
Here, we'll show you how to set up Samsung Apps and how to get the most out of the service.

### Setting up Samsung Apps

To access everything Samsung Apps has to offer you'll first need to set up an account. Here's how that's done:

Please note: if you didn't set-up a Samsung Apps account when you first activated your phone, simply attempt to buy an application and you'll be asked to register.

- ➔ Select 'Create new account'.
- ➔ Tick the 'I accept all the terms above' box.
- ➔ Hit 'Agree'.
- ➔ Fill in the relevant details as prompted: email, password, name, etc.
- ➔ Select 'Sign up' and you're done.
- ➔ Welcome to Samsung Apps.



## Discovering content using Samsung Apps

There's a wealth of content available on Samsung Apps, some of which cannot be found anywhere else.

It's also simple to get the content downloaded and running on your Galaxy device as the entire store works in a similar fashion to Google's Play portal.

Open Samsung Apps and the first thing you'll see is a colourful carousel which displays all the latest apps, games and media available inside the portal.

Below this you'll find Samsung Apps' main categories: **Hot, Top, New and Promos** – here you'll find all the latest and greatest titles currently on offer. Each section can be expanded, simply by clicking 'More' to reveal a larger selection of apps.

### Categories

To view individual categories inside Samsung Apps just hit the 'Categories' icon in the top right-hand corner.

Inside Categories you'll find everything from the best S Pen apps to lifestyle and utilities apps and more – it's all there.

Every section is broken up into three sub sections: 'All', 'Paid' and 'Free'. Select the option you wish to see and you'll be presented with a selection of applications – scroll downwards to view the entire collection.

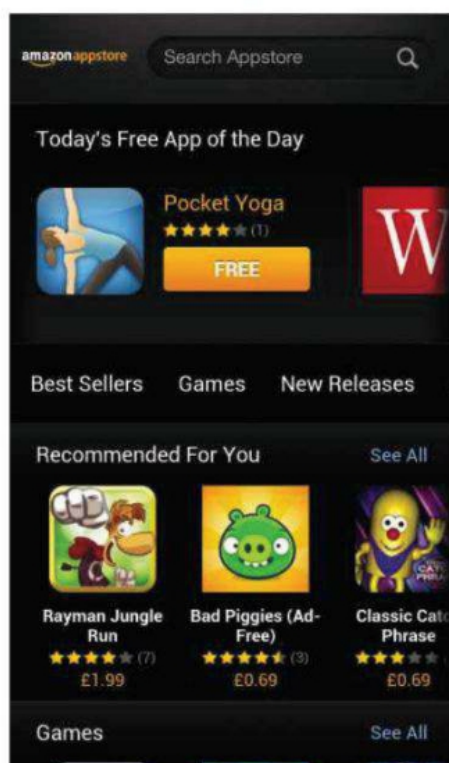
### Search

If you know exactly what you're looking for or at least have a vague idea about the type or style of content you're after, you can just search for it manually inside Samsung Apps by tapping the 'Search' icon.

- ➔ Type in your search query, say, 'Navigation.'
- ➔ Click 'Search.'
- ➔ Samsung Apps will now display all content that includes the term 'Navigation' inside its description below your query.

### Installing Apps

- ➔ Once you've located the app you want, select it. This will take you to its home page – here you can read reviews, see screen shots and read a description of the app.
- ➔ Select 'Get' to download.
- ➔ Like with Google Play, the download progress of the app can be viewed in the drop-down notifications window.
- ➔ Once the application is downloaded it'll either be posted to one of your home screens or appear inside your app menu.
- ➔ Enjoy!



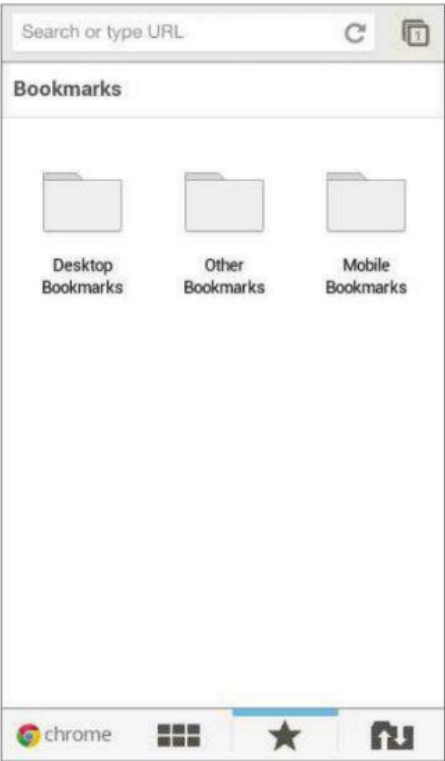
### Amazon App Store Free

Download Amazon's App Store for a free paid app every day - it's really that simple. Unlike the rest of the apps in our top 50, the Amazon App store has to be downloaded through the Amazon website, though once installed, it's a breeze to use and functions like all the rest.

### Natwest Banking App Free

Check your balance, send money and pay bills on your Galaxy device with the Natwest Android application. Secure, easy to use and well-designed, Natwest for Android offers all the core features you get with online banking just inside your Galaxy phone or tablet. If you're a Natwest customer, you need this application in your life. It's utterly indispensable.





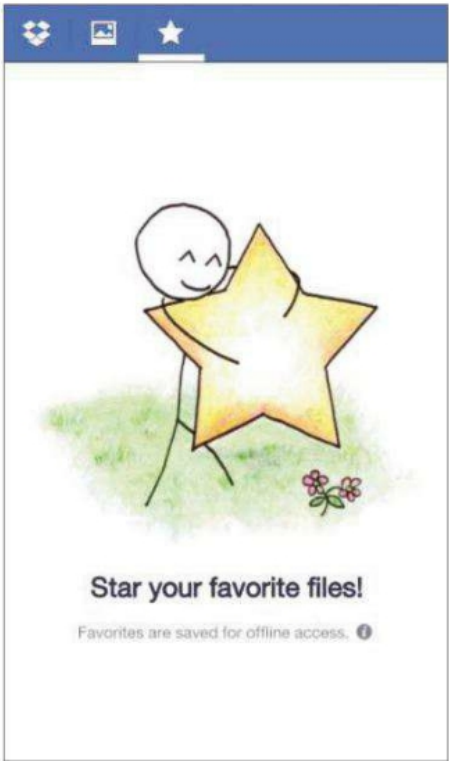
**Chrome**  
Free

Chrome for Android synchronises with Chrome for desktop, bringing all your bookmarks, search history and browsing habits to your mobile with little more than your user name and password. A must-have for all Chrome desktop users.

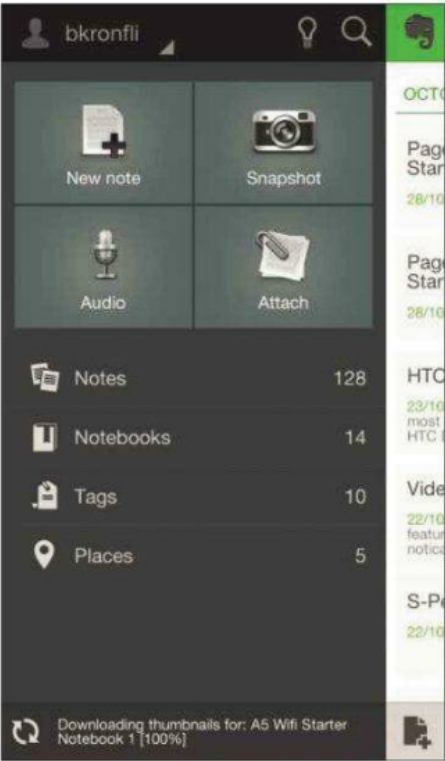


**Dropbox**  
Free

Dropbox is your drive in the cloud. Giving you 2GB of data for free, you can upload and access your files from anywhere thanks to the Android app. If you've got a Samsung Galaxy S III or Note 2, you'll also get 50GB free Dropbox storage for two years by simply logging in.



50  
must-have  
apps



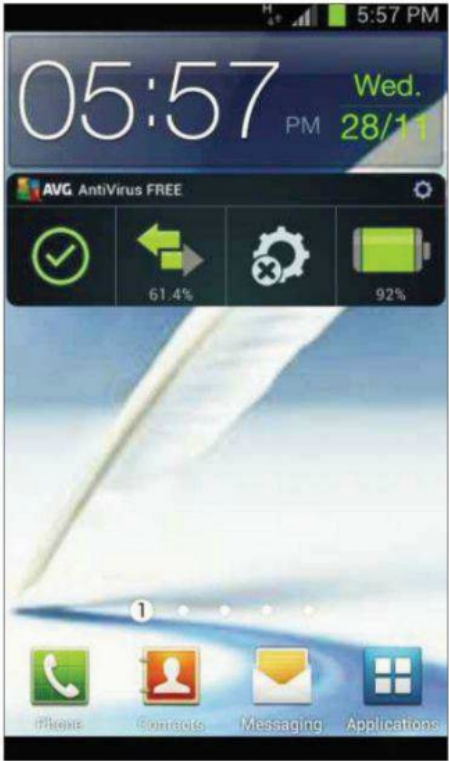
**Evernote**  
Free

For robust cloud note taking, it doesn't get much better than Evernote. Combining text, pictures, audio and even sketches into a single note, the Evernote app on your Android is the perfect way to make notes on the go.



**AVG AntiVirus Software**  
Free

AVG, famous for its market-leading PC software, is now available for your Galaxy phone and tablet. It's free, offers complete protection from all kinds of nasty things like malware, viruses, and dodgy applications. Once installed, you get access to a real-time app scanner, phone locator, task killer, app locker and local device wipe to help shield you from threats to your privacy and online identity.





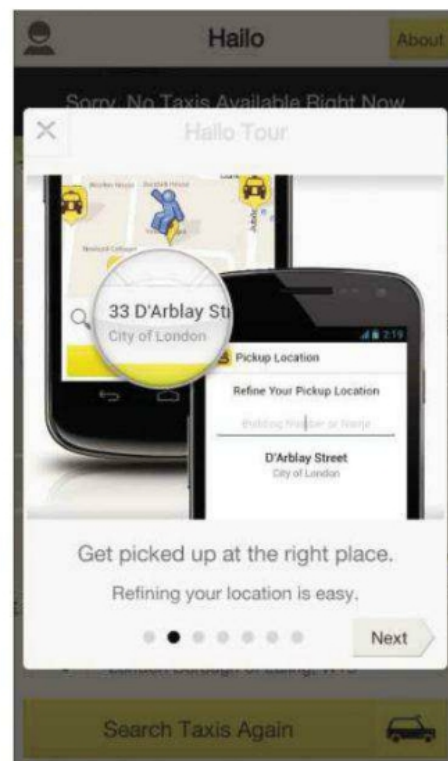
### Adobe Reader Free

Download and view any PDF document on your Galaxy device with the official Adobe Reader application. It's free, simple to use and boasts many features. Once installed, you can open PDF documents from email, the web, or any app that supports 'Share'. You can also store and access documents in the cloud with [Acrobat.com](http://Acrobat.com).



### gReader Pro £3.19

gReader pro is an advanced Google Reader app. Complete with night mode, podcast support and a scrollable widget, it's considerably more comprehensive than Google's own reader app. gReader even auto-caches posts, so whether you're connected or not, you can be up to date with all the latest news.



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must-have  
apps



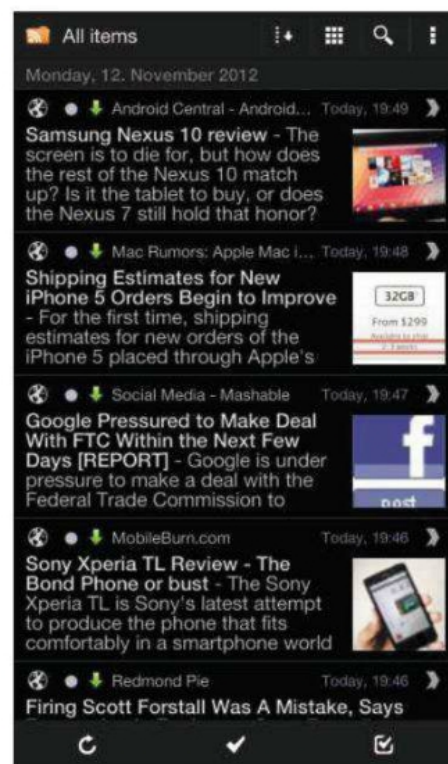
### Hailo Free

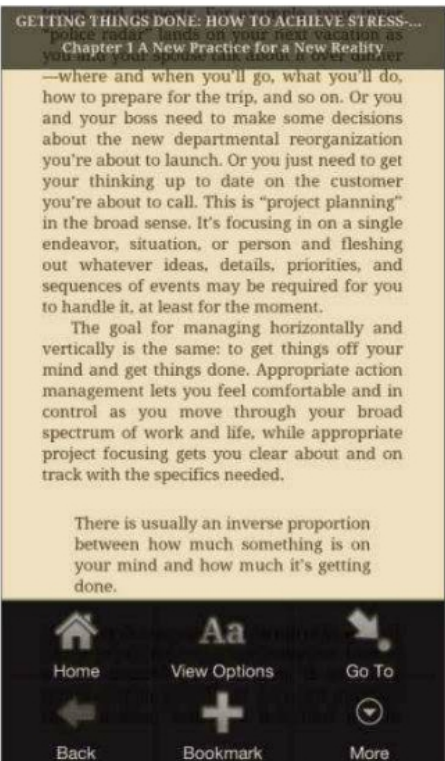
Why traverse the streets in search of a taxi when the Hailo app brings the taxi to you? Tapping into a network of London's black cabs, Hailo shows you where your nearest cab is, calls it and even lets you pay and tip the driver digitally.



### Infinite Painter £3.13

Perfectly suited to Samsung Galaxy Note devices and their S Pens, Infinite Painter applies colour to your canvas just like a paint brush would. You can create real works of art by blending colours over one another and creating oil-paint like images.



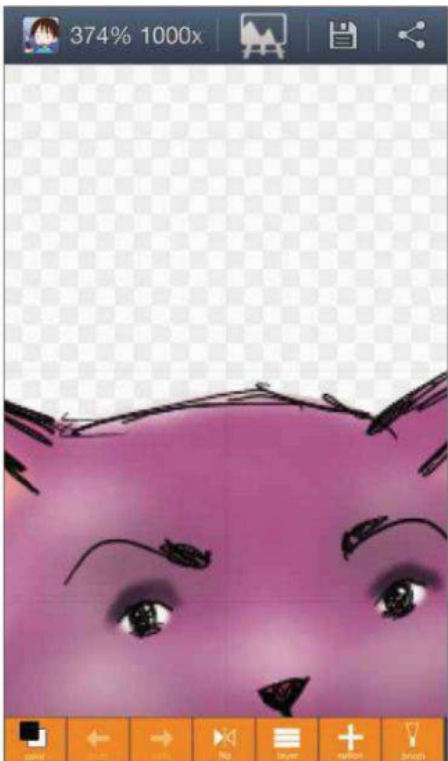


 **Kindle**  
Free

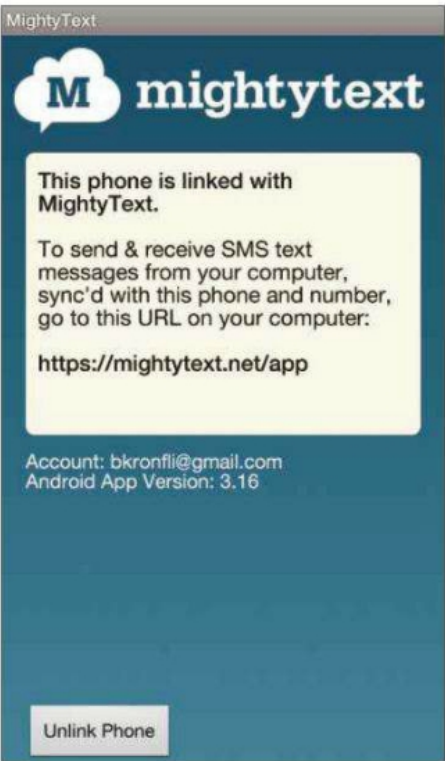
The Kindle app gives you instant access to more than a million books, newspapers, magazines and blogs wherever you are, working across multiple platforms. Just download it, sign-in and get either paid-for or free books to start reading.

 **LayerPaint**  
£1.99

LayerPaint is the app for the comic book artist in you. As the name suggests, it provides layers upon which to work. Sketching, airbrushing and inking, you can do it all in LayerPaint and even export your creation to a multi-layered PSD file.



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must-have  
apps

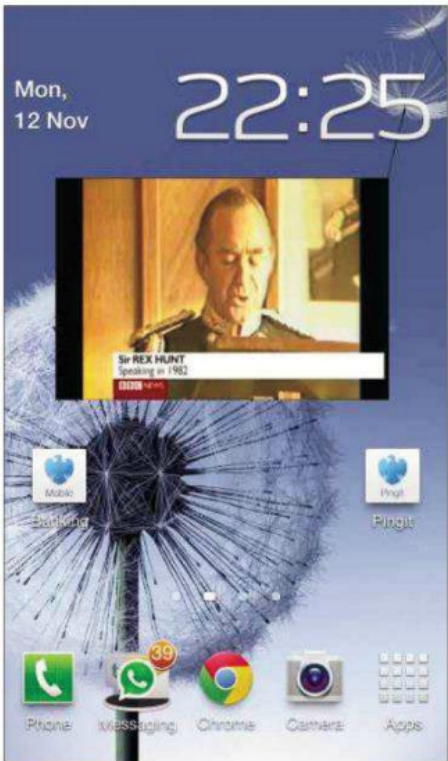


 **MightyText**  
Free

Not a fan of touchscreen typing? Get MightyText. Once installed on your phone, just log onto the MightyText website on your computer and you'll be able to send, receive and read texts without eye strain, and reply using your full-sized QWERTY keyboard.

 **Myplayer**  
£2.00

Myplayer opens up the Galaxy S III's PopUp Play functionality to all phones and adds a TV catch up-style streaming service into the mix for good measure. In doing so, Myplayer also manages to pull off some of the best streaming we've seen as well as a simple user interface.





### Netflix

Free with subscription

£5.99 a month will get you Netflix on every compatible device you own - Android phones and tabs included. With a clean, simple UI and fantastic video quality, Netflix is the perfect app for any film fan on an unlimited data plan or Wi-Fi connection.



### Pocket

Free

Pocket acts as a repository for any websites you send its way, downloading them for offline reading and formatting them perfectly for your smartphone. The application also has web-based plug-ins, so you can even send sites its way when at your PC or Mac.

50  
must-have  
apps



### OneNote

Free

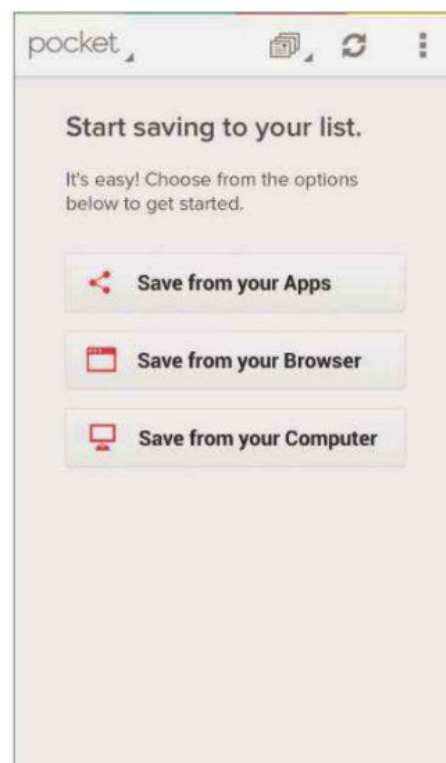
If you use the desktop version of One Note you'll know it's perfect for students, with notebooks and section breaks aplenty. While less comprehensive than its desktop counterpart, the Android app is free and lets you edit and view files on the fly.



### Pinterest

Free

While many thought this picture-centric social network would fall as quickly as it rose, in the realms of fashion, baking and pets, it's still going strong. The Pinterest app enables you to create pins, manage your profile and re-pin on the go with little more than a few swipes and a tap.





### Pocket Cast

£1.99

Pocket Cast is arguably the best podcast app for audio and video podcast management. Downloading your subscribed casts to your phone, the app is quick and easy to set up and even auto-deletes old podcasts when they've been listened to or expired.



### Otaku Camera

Free

Like Instagram, Otaku Camera lets you add effects to your pictures. The only difference here is Otaku turns your captured images into Manga-style works of art. Featuring over 80 different effects, Otaku lets you 'Mangatis' everything. Facebook and Twitter are hardwired into the app, so once you're done you can share your handiwork.

# 50

## must-have apps



### Sketchbook

£124

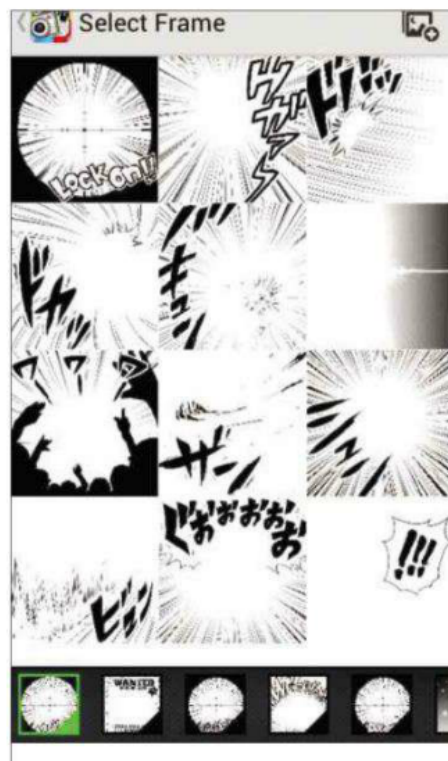
If you're lucky enough to have a Samsung Galaxy Note, Note 2 or Note 10.1 then the Sketchbook app from AutoDesk is the perfect companion to the S Pen. Loaded with brushes, layers, effects and controls galore, it gives you everything you need to make a mobile masterpiece on the go.



### Spotify

Free with subscription

Spotify opens you up to a huge amount of music on the go. Typically associated with streaming, the Android app also gives Spotify members the ability to download a huge amounts of music to their handsets, making for easy listening whether you have an active internet connection or not.





### Temple Run 2

Free

How far can you run? Navigate perilous cliffs, zip lines, mines and forests in your attempt to escape a large hairy beast known as the Idol. It's fast, fun and highly addictive. But be warned: it's also very, very, frustrating. Practice does indeed make perfect in this sense, so why not join the 170 million who have already downloaded Temple Run and experience one of the most unique gaming experiences available on Android?



### Sync SMS

£1.92

Sync SMS is the app to get if you want your phone text messages on your tablet. Just download the application on both devices and follow the syncing instructions. Once done, texts can be enjoyed in full 10.1-inch splendour.



### TouchRetouch

£0.62

TouchRetouch is a PhotoShop app in your pocket. Just use it to select a blemished area of any image you take, and it will transform it to match its surroundings. A spot can be gone in seconds, a blemish blasted away or a wrinkle eradicated, earning you brownie points aplenty with even your harshest subjects



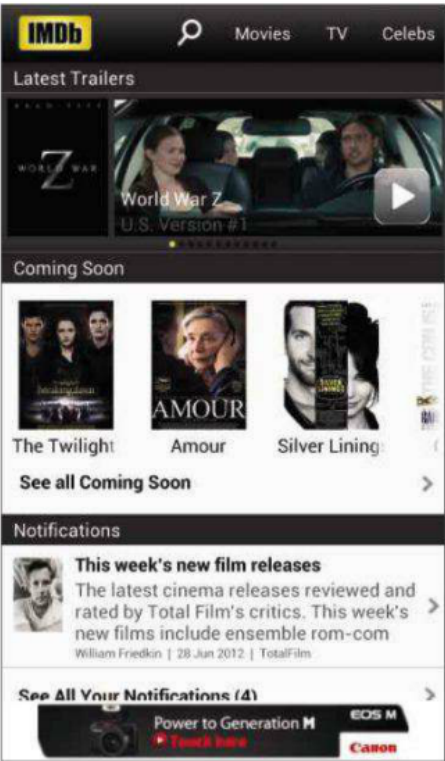
### Whatsapp

Free

Download Whatsapp and it will instantly scour your phone contacts to find who's else uses the service. Once your Whatsapp contacts list is filled, quickly and easily chat to your contacts and groups, sending them pictures and videos over your data connection saving you precious pennies when compared to MMS.



50  
must-have  
apps



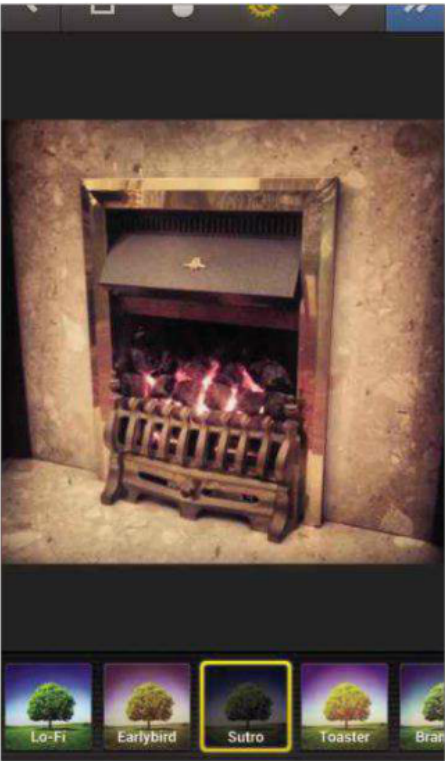
IMDb  
Free

Love films? Then you need this application. IMDb is a mammoth movie resource featuring reviews, film listings, actor biographies, and just about everything else you could ever wish to know about films in general. And, best of all, it's available for nothing from Google Play.



Instagram  
Free

Take pictures, add effects, and share them with millions of other users. Instagram is the world's most popular social photography application – and with good reason too. Wonderfully designed and free to download, Instagram is a must-have for anyone that enjoys snapping images and sharing them with the world.



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must-have  
apps



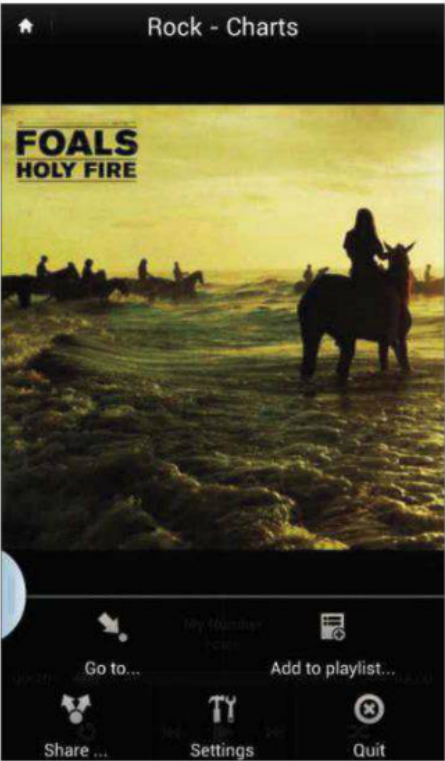
NYTimes for Android  
Free

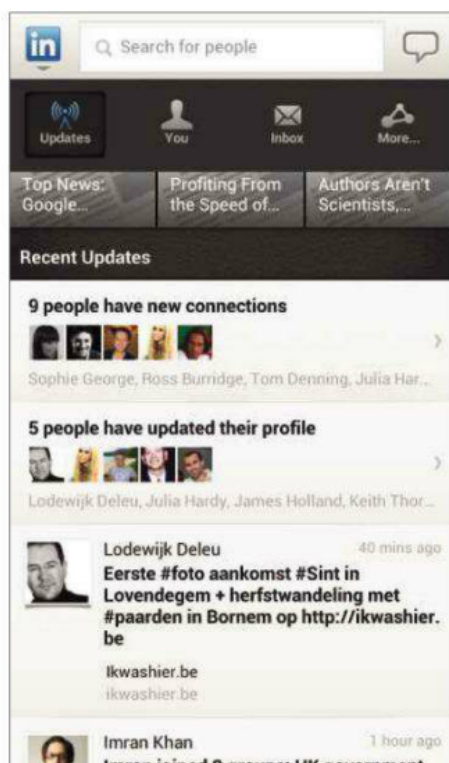
The New York Times is now available on your Galaxy phone via the official NYTimes application. Beautifully laid out, easy to use and packed with insightful content, NYTimes for Android is a must-have for anyone that's passionate about current events, news and market-leading journalism.



Deezer  
Free

Deezer is a radio streaming service, allowing you to listen and stream thousands of artists. You can log in using your Facebook account or set up an account with your email address. When you open up an account you get 15 days of unlimited music for free.



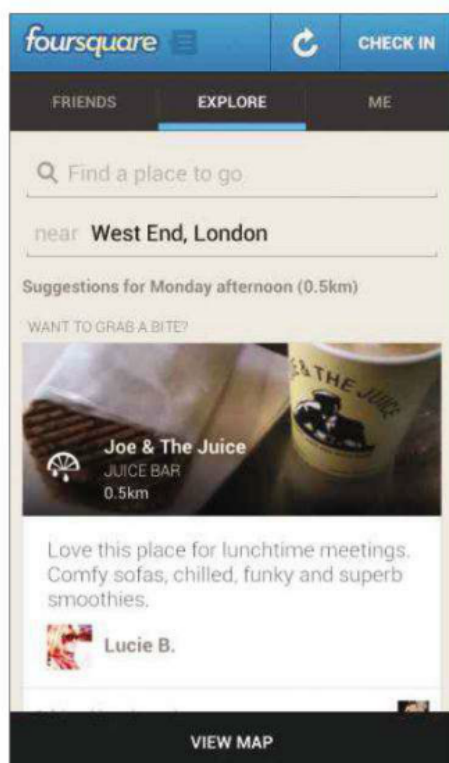


## LinkedIn Free

LinkedIn is the biggest professional social networking site on the planet, and if you're not already registered you are definitely missing out. It's basically Facebook – just for your professional life. Get signed-up, download the free application, and manage your profile from the comfort of your smartphone.

## Twitter Free

As social networks go, they don't come any bigger than Twitter. Millions of users post billions of tweets every week, so why not join in the fun? This app itself is free and features a ton of usual features, so much so that you probably won't use the website ever again!



## Foursquare Free

Get to know the world and all of its wonderful places with Foursquare, which now has more than 25 million users. Search for anything – dumplings, Thai food, or free Wi-Fi – and read reviews of bars, restaurants, and businesses. If you love exploring and finding new things, then Foursquare is a must-have app for you.

## BBC iPlayer Free

Take the BBC with you wherever you go with iPlayer, which lets you watch live TV, check listings, catch-up with your favourite shows and episodes, as well as listen to hundreds of BBC Radio shows. It really is a gorgeous-looking application, featuring curated content and recommendations. Best of all, it's free.



50  
must-have  
apps



### StumbleUpon Free

Explore everything the internet has to offer with StumbleUpon. Simply hit the StumbleUpon button inside this cool free application and you'll be taken to a random website. The app is a must-have for anyone that loves discovering new websites, content, media, and ideas – it's like shuffle for your web browser. And if you're looking for something specific, you can filter results using the app's 500-plus interests filter. Simple.

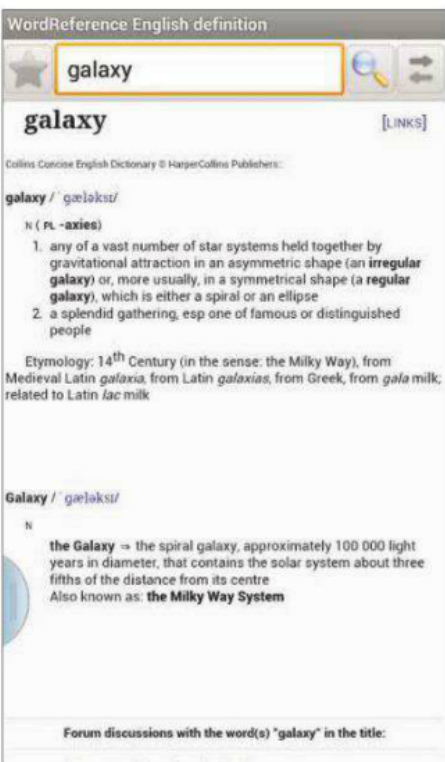


### iMediaShare £3.09

With iMediaShare, you control and stream content from your Android handset to AirPlay-enabled devices. You can also access network-connected devices like a NAS drive and then stream it using AirPlay to a variety of media players.



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must-have  
apps



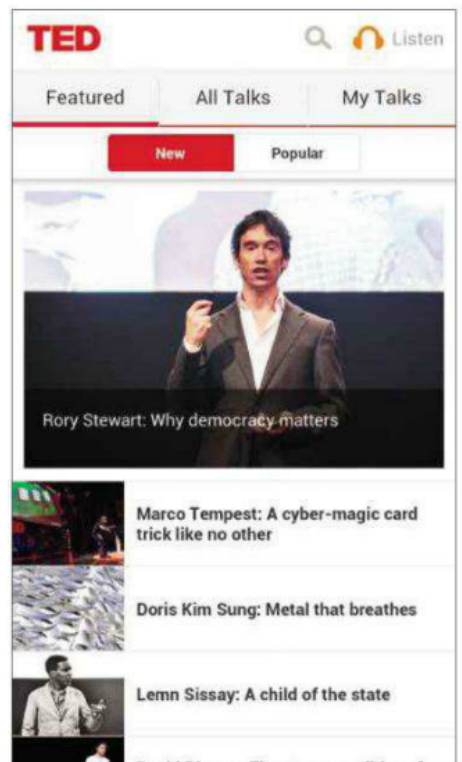
### Word Reference.com Free

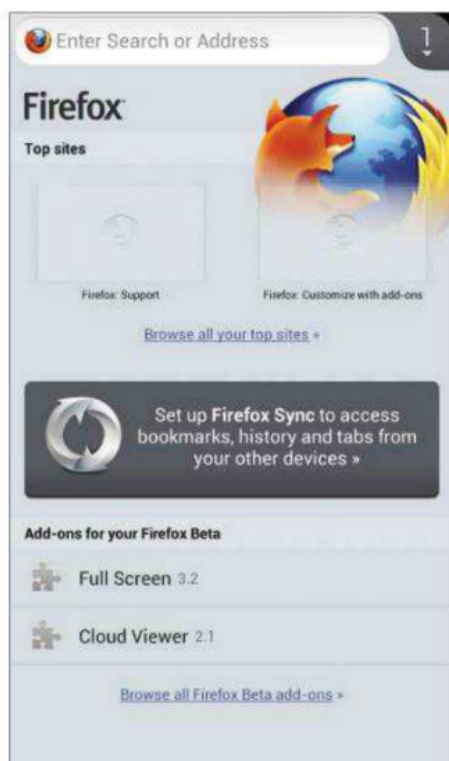
Word Reference.com is one of the most comprehensive dictionaries available on the Play Store. Not only can you view the dictionary in English, you can add extra dictionaries from translations to specific alternative language versions, including Italian conjugation, English to Arabic and Spanish synonyms and antonyms.



### TED Free

With a wealth of topics and hundreds of thoroughly engaging speakers, there's a talk for everyone inside the TED app. It's a must-have for anyone interested in learning something new. The app itself is free, easy to use, and is constantly updated with new talks. What more could you want?





### Firefox

Free

Perhaps one of the world's most well-known web browsers, Firefox is now a mainstay on many Android handsets the world-over. Featuring top-notch security features, desktop syncing, and ultra-fast browsing, Firefox is a must-have for any user that does a lot of browsing on their mobile or tablet.



### Sketch Guru

Free

Sketch Guru is one app, perfect to use on a large screen, such as the Samsung Galaxy Note II or Samsung Galaxy S4. Import a photo from your gallery or use the app to take a new photo and add an effect. You can import your photos from Dropbox or Flickr too for ultimate flexibility.



50  
must-have  
apps



### Skype

Free

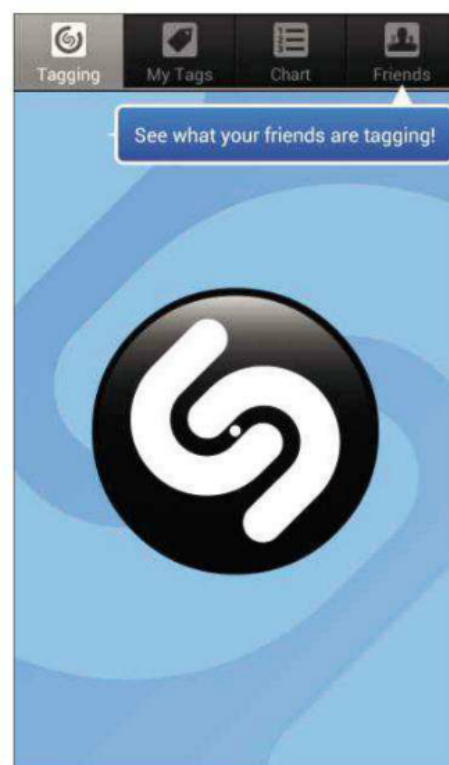
Communicate for free with friends, family and colleagues all over the world with Skype. With its phone call functionality, built-in video call feature, and an IM client, Skype is one of the most polished communication tools available and is therefore a must-have for anyone with friends and family abroad.

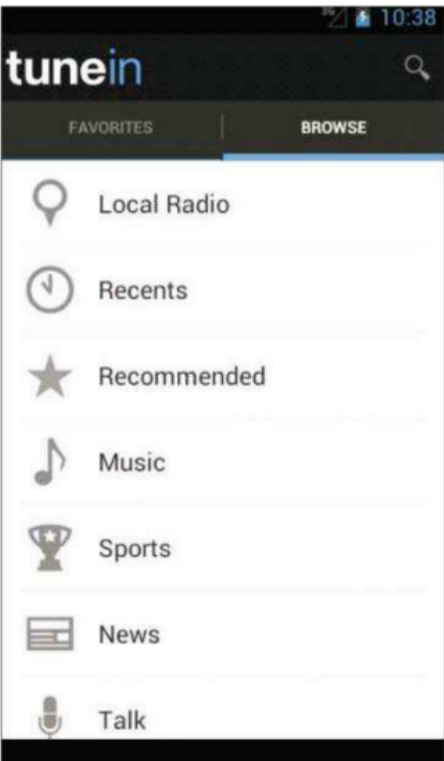


### Shazam

Free

The science behind Shazam might be complicated, but how it works in practice is simple: open the app, hit the Shazam key, wait a second, and it tells you everything you need to know about a song. As a music discovery tool, Shazam is unparalleled. You need this free application in your life.





 **TuneIn Radio**  
Free

Turn your smartphone or tablet into a DAB radio with TuneIn Radio and get access to thousands of radio stations from all over the world. The application is free, well-designed, easy-to-use, and is packed with tons of cool features like the ability to save your favourite shows and stations.

 **Xbox SmartGlass**  
Free

If you own an Xbox then SmartGlass isn't just a must-have app, it's essential. With this free application your Android device will interact with your Xbox 360 in ways you never dreamed possible. SmartGlass is one of the coolest applications ever created, so if you have an Xbox 360 get yourself over to the Play store right now.



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must-have  
apps



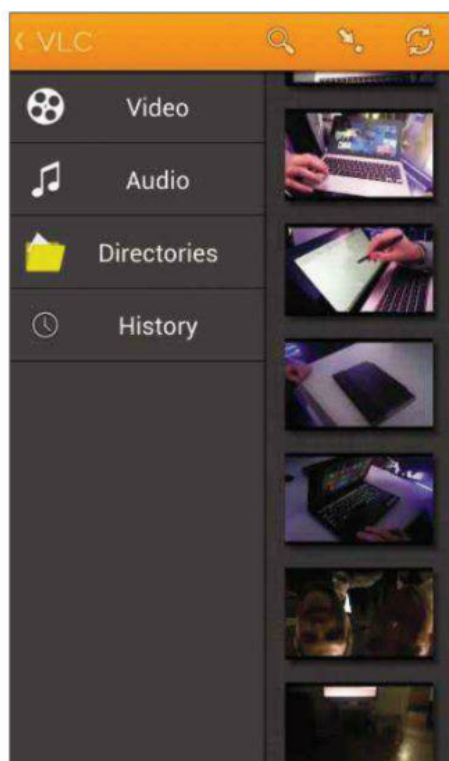
 **Freapp**  
Free

Freapp, as the name suggests, gives you advice on what to download from the Play Store's wide selection of free apps. Browse through the apps and install one directly from the application just by clicking on the link. It's very easy indeed.

 **OnePunch Notes Pro**  
Free

OnePunch Note Pro is a fully-featured notes application, allowing you to add pictures, music or any other media to your notes. Once you've created your note and put it in any of your Google calendars, you can add a widget to your home screen, password protect it or export it. There are nine widgets to choose from and each will provide a shortcut to the note.





### **VLC for Android** Free

VLC started life as a media player for PCs and Macs and is famous for supporting pretty much every video codec under the sun. Now in beta on Android, VLC is attempting to do the same for smartphones and tablets. If you watch a lot of video this application is a necessity.

### **Wi-Fi Analyzer** Free

Want to know how good your Wi-Fi signal is around the house, or find out which channel you're best tuning your home broadband to? Then you need Wi-Fi Analyzer – a free app that provides you with a wealth of information about you're the strength of your home broadband.



### **Flipboard** Free

Think of Flipboard as a digital magazine, one that is populated with content and subject matter chosen by you. It's visually stunning, can be placed as a widget on your home screen, and is always re-populating itself with the latest articles from all over the web.

### **NRG Player** £3.39

NRG Player is a music player that replaces the standard Samsung music player. You can customise the look of the player and adjust settings, whether you want to boost the bass or add a preset. The player supports a range of different home screen widgets and even allows you to start playing music directly from your home screen.



50  
must-have  
apps

## Pre-installed apps

Samsung's TouchWiz UX is designed to make Android even more useful and is jam packed with features and applications that you simply cannot get anywhere else.

TouchWiz is only available on Samsung smartphones and tablets and brings an entire raft of exclusive features and content with it. You can read more about TouchWiz on p11.

Gaming, TV, music, books and Instant Messaging all come pre-installed on Samsung Galaxy devices and because you also have access to Google's core Android applications as well – Gmail, Maps, Talk, Drive, and Google Now – you really are getting the best of both worlds. That's what Galaxy is all about.

Every Samsung Galaxy device comes pre-loaded with the following multimedia suites: Samsung Apps, Music Hub, Game Hub, Learning Hub, Readers Hub, Video Hub, Polaris Office, S Suggests and Kies Cast.

Over the next few pages we'll be taking a closer look at Awesome Note, Flipboard, Smart Remote and Samsung's Game Hub. They are pre-installed on some of the newer Galaxy devices such as the Galaxy S4 and Galaxy Note 8.0.



## Flipboard

Flipboard takes the web and turns it into your own personal digital magazine. Lauded as one of the best applications of its kind, Flipboard offers a unique and thoroughly engaging way to consume all of your favourite news sources, websites and writers.

Flipboard developed a customised version of its application exclusively for Samsung that allows you to take the S Pen's hover feature and preview article headers beneath Flipboard's main screen tiles – yet another USP of Samsung's Note range.

Setup is simple. Just login or register, select a few of your favourite topics – technology, sport, film, and art, for instance – and Flipboard will begin populating itself with curated content from all over the web.



Flipboard is social – Facebook, Twitter, Google+, Google Reader, Tumblr, YouTube, Sound Cloud and Instagram are all supported.

Once you're logged-in, Flipboard will pull down photos, posts and updates from all of your accounts. And when you find something you like? Just tap on the leader image and it'll take you through to the full article.

It's the best way to read the news, even more so when you're doing it on Samsung devices with large HD displays.

## Awesome Note

Awesome Note, one of the best-loved productivity applications for Apple's iPhone and iPad, is now available exclusively for Android aboard the Galaxy Note 8.0. The application comes pre-installed, supports the S Pen stylus, and looks great blown up on the Galaxy Note 8.0's 1280x800-pixel display.

What makes Awesome Note so awesome?

Unlike the iPad version, Awesome Note for the Galaxy Note 8.0 is fully optimised for use with the Samsung S Pen stylus. With the S Pen, taking notes, maintaining a diary and writing up memos or shopping lists has never been easier.

All your lists are organised inside folders. There's no limit on how many folders you can have and tons of ways to customise the look and feel of them. Again, it's a visual approach to task management but it really does work and ensures everything remains organised no matter how hectic your schedule gets.

We broke ours up into the following folders: Work To-Do (Red), Personal To-Do Folder (Blue), and Shopping List (green).

Visually impressive and easy to use, Awesome Note's calendar feature gives you a bird's eye view of what's coming up on a daily, weekly or monthly basis. It also supports two-way syncing with Evernote and Google services.

Used with S Pen Awesome Note becomes something else entirely, offering a whole other level of functionality that just isn't there on the iPad version. As a work and personal tool, Awesome Note quickly became indispensable for us. As USPs go, this is a big one of the Galaxy Note 8.0.



Awesome Note shown on iPad - Galaxy Note 8.0 version was unavailable at the time of writing

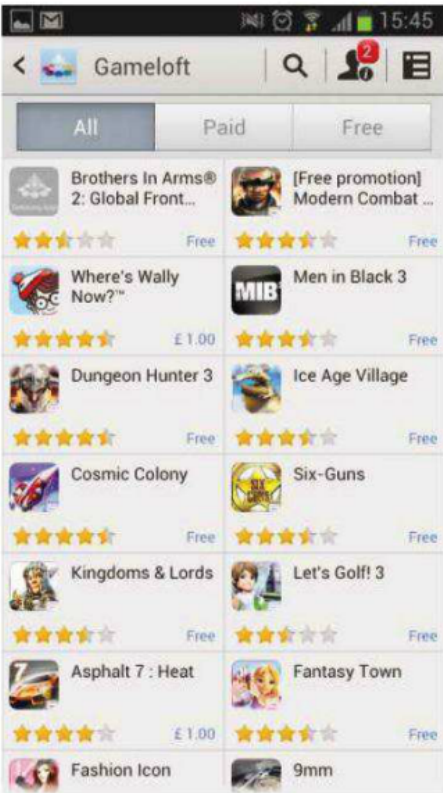
# Samsung Game Hub

Love gaming? So does Samsung. That's why it created the Samsung Game Hub – your one stop shop for exclusive gaming titles from big-name publishers like EA Games and Gameloft. Inside you'll find all manner of games from action, racing, console-like premium titles, casual games, social games and more. There's something for every occasion and taste.



Game Hub is powered by Mobage, Android's social gaming service, meaning you can compete and co-operate with more than 25 million gamers around the world. Available on all Android-powered Samsung devices, Game Hub aims to provide a more bespoke alternative to the Google Play store.

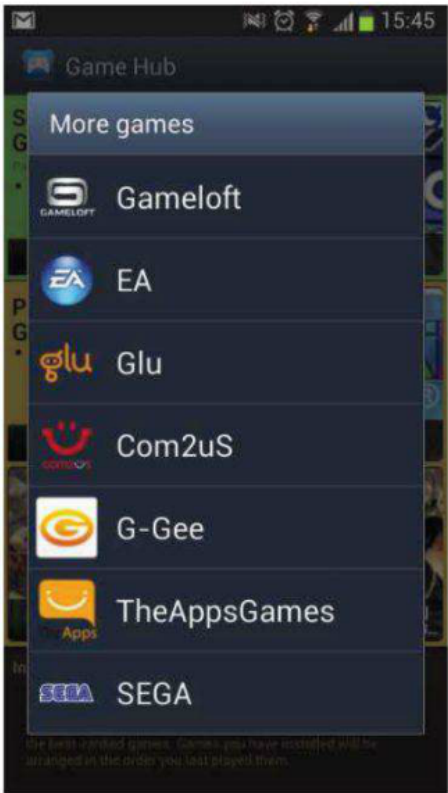
Inside Game Hub, you can search by publisher so if you're looking for a premium title, go to Premium Games. This brings up a selection of game publishers – Gameloft, EA, Glu, Com2uS, G-Gee, TheAppsGames, and Sega. – for some of the best gaming titles around.



Social games are on offer, so you can play with your friends and share your successes with them over social networks too.

HD games will provide top-quality graphics on any one of the Galaxy range's top-selling devices. Many of the games are available straight out of the box, so there's no waiting around while they download.

Connect a compatible Galaxy device to your HD TV wirelessly with AllShare and you can play games on the big screen using your handset as a controller.



## Top Secret Tip:

Activate Smart Stay to stop your screen switching off while you're looking at it. Smart Stay uses the front-facing camera to tell if you're looking at the display or not.

It then either keeps the display on or switches the display off, saving you battery.

Find more out about Smart Stay on p120

## Smart Remote

Some Galaxy smartphones and tablets – notably, the Galaxy S4, the Galaxy Tab range and the Galaxy Note 8.0 – feature IR blasters, meaning you can use them as a remote for your TV. Samsung has also linked this feature to its WatchON TV service.



One of the unique features of Samsung WatchON is that it can transform a connected mobile device into a universal remote control, allowing users to search for live TV programmes through a guide and then view those selections on their connected Samsung SMART TVs.

Powered by Peel, Smart Remote features an easy-to-use graphical display for TV listings, which aggregates content by what you like most. And when you find something you like in Smart Remote's programming recommendations, just tap

'Watch on TV' and your device instantly changes the channel for you. It couldn't be simpler.

But Smart Remote isn't limited to your HD TV. Thanks to its IR Blaster, you can seamlessly control every aspect of your home entertainment system, including your Blu Ray player, satellite box, DVD player and AV audio system.

With Smart Remote you'll never need a remote controller ever again. It does everything – and all without wires. Perfect.

### **i Top Secret Tip**

Most Android handsets won't let you download applications and content from outside the designated official depositories – in this context Samsung Apps and Google Play.

There is a way around this, however, if so wish to go beyond Play and Apps and download content from a variety of sources around the web. Go to Settings > Security > Allow 'Unknown Sources'

Developing your own Android app

You've seen what Google's Play store has to offer, downloaded numerous applications, deleted a few, and discovered new ways of doing things. But have you ever consider building your own Android application?

It's not as hard as you might first imagine. What's more, the internet is full of useful resources and guides for developers of all levels. So whether you're a seasoned pro or a complete newbie, there's plenty of help out there to get you moving on your app project.

Our personal favourite is AppMakerStore, which allows you to create and monetise your app. You can even upload the app to the Android Play store for a fee, which will allow anyone around the world to download it.

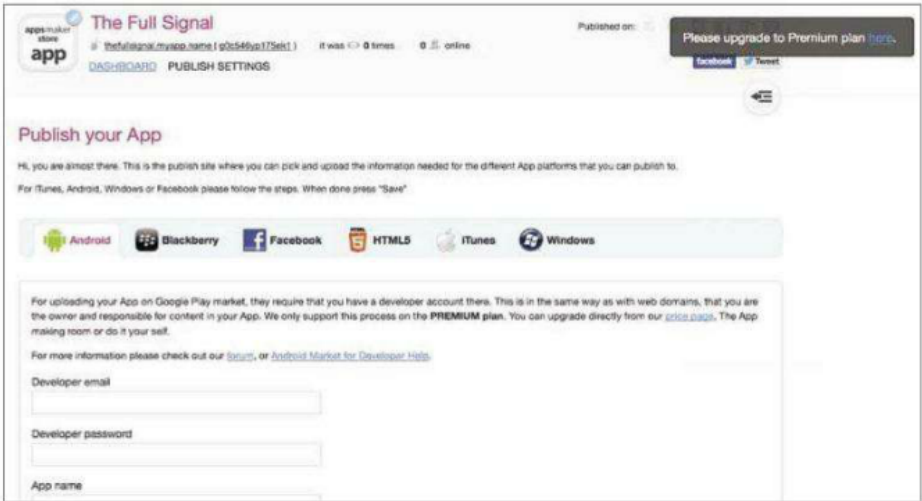
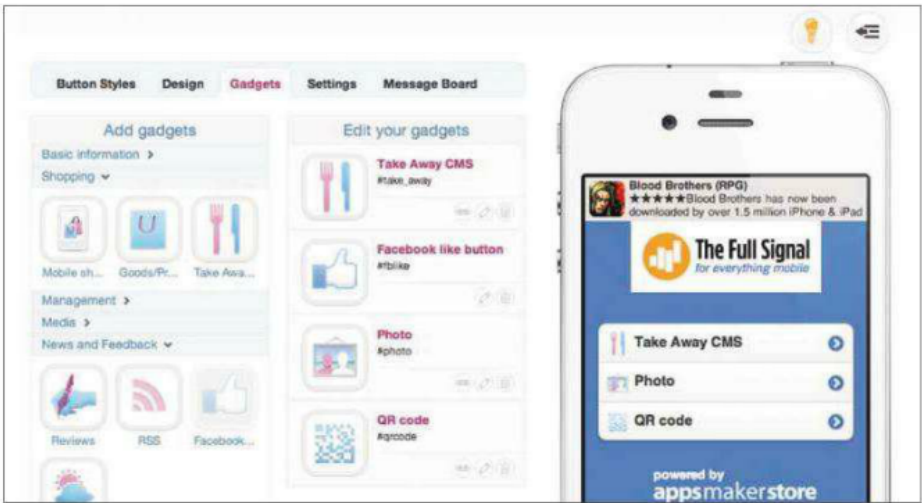
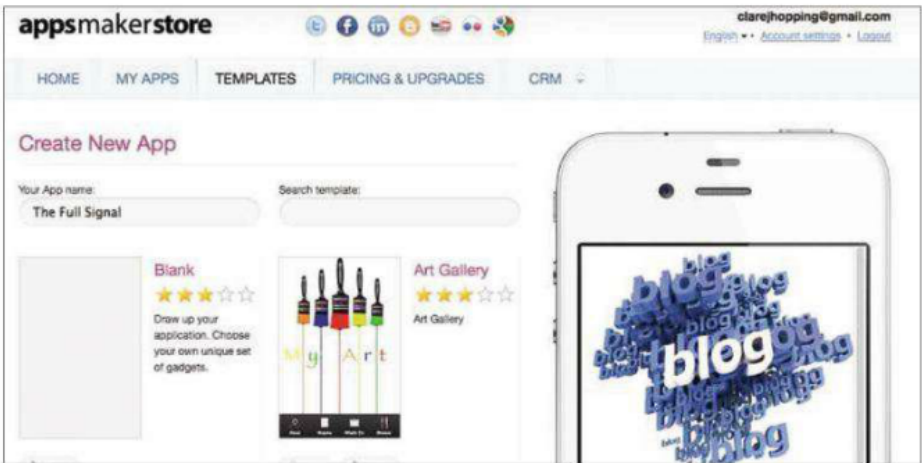
- To create your app, first head to [appmakerstore.com](http://appmakerstore.com) and set up an account.
- Now you can start creating. First, choose the design you want for your app.
- Now, head to 'Design' and upload a logo and background image if you want one.
- Click on 'Gadgets' to add widgets. These form the meat of your application and AppMakerStore offers the widest selection.

There are loads to choose from, to suit almost every kind of application. These include a radio station, shopping catalogue with online purchasing functionality (you will need to upload your existing shopping catalogue in .csv format), event booking, even live chat and iFrames if you're a seasoned developer and already have the code you need to produce an app, but just need a place to host it.

When you click on a widget, it is added to the list in the centre of the screen. Click 'Save' to see the widget on the phone screen on the right, and choose the pencil icon below each in the list to edit.

You can click on each of the widget names to change the display name on the app.

Once you've created your app, you can publish it to any app store you wish, including Google Play. Just click on 'Publish Settings' to submit your app. You will need to be registered as a developer on Google Play, which you can do at <https://play.google.com/apps/publish/signup>



Not convinced by AppMakerStore? Here's a selection of some of the other free resources on the web.

**AppsGeyser**  
Create app from any website

HOME WHY? MARKET SUPPORT BLOG ABOUT

**Create**

Home / Create

**Step 1 of 2**

Website URL:  Refresh preview

App name:  valid name

Description:

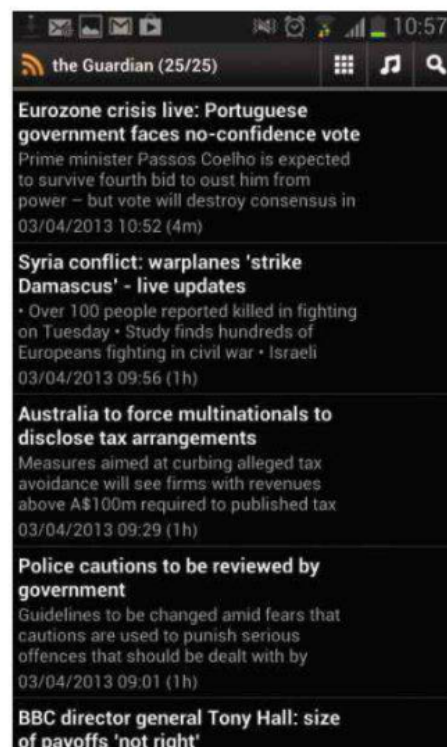
Icon: ☒ Default icon ☐ Custom icon

Screen Orientation: ☒ Auto ☐ Vertical ☐ Horizontal

Category:

**CREATE APP**

Preview may not work for some websites. Your actual app can look differently on your Android device.



## App Yet

Web-based Android application creation tool App Yet is quite a basic offering, but it's great to look at. The basic premise of App Yet is that it turns RSS and Atom feeds into Android applications. Setup and creation is all taken care of online, so you just need to input some data and let App Yet do the rest.

## Andromo

Make Android applications without ever using a line of code and upload them to Google Play. The service is free and there's already a community of more than 150,000 developers using it.

Creating your Android application has never been easier. Just design the layout, add the features you want and Andromo generates all the custom Java code required to make it function correctly. It really is that simple and definitely worth a look.

## Top Secret Tip

Worried you may go over your data limits? Use the Android Data Usage counter to keep track of your browsing. Head to Settings > Data Usage and you can view how much data you've used, set a limit and monitor how much you're sending and receiving via each of your apps.

## AppsGeyser.com

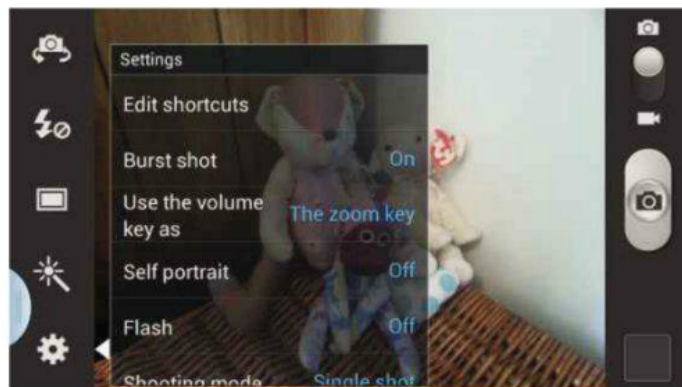
Free, simple and already used by many people the globe over, AppsGeyser is one of the most well-known services of its kind on the web. Already have a blog and want to turn it into an application? This could be just what you've been looking for.

The site is simple to navigate and it shows you exactly how to do everything, starting with the basics: turning your web content into an Android application.



## Chapter 5

# Photography



## Camera user interface

Samsung's camera user interface (UI) is one of the best around, and along with Samsung's quality camera technology, ensures you get the best pictures possible, as easily as possible.

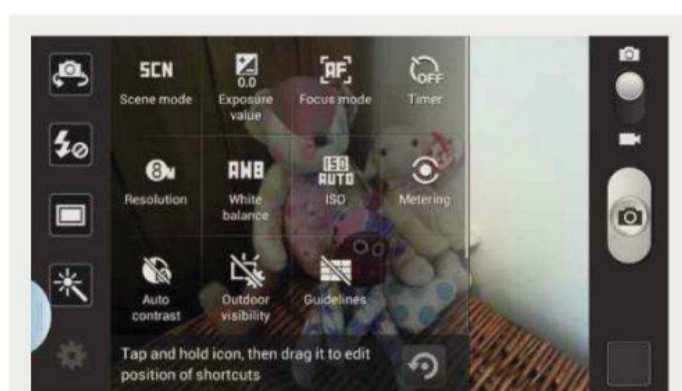
We're using the Samsung Galaxy Note 2 user interface as an example. If you have a Galaxy S III, it'll look much the same, however if you have a mid-range model like an Ace 2, you may not have a couple of options we mention.

Starting with an interface map, on the right-hand side are three key elements. At the top-right is a toggle between photo and video shooting. In the centre, there's a shutter release button, below which is a link to the last picture you took and your gallery.

The full screen is your viewfinder and the camera focuses on the area you touch, so in the image above, we tapped the fireplace and that's where the camera focused.

On the left-hand side you'll find five shortcuts stacked on top of one another. From top to bottom, these comprise front/rear camera toggle, flash options, shooting mode, effects menu and settings. The first four options can be customised, while the settings icon is fixed.

To change a shortcut on the left, just long press it and drag it into the grid of icons that will appear to the right.



To wrap up our interface guide here's a breakdown of all the shortcuts listed in the above image:

**Camera toggle** - Toggles between front and rear-facing camera.

**Flash** - Flash on, Flash off or Auto.

**Shooting mode** - Choose from a range of shooting modes from HDR to Panorama.

**Effect** - Select a filter to give your shot some flair.

**Scene mode** - Tell your Galaxy what environment you're shooting in.

**Exposure value** - Changes how dark/light the shot is.

**Focus mode** - Switches between macro, auto and other focus modes.

**Timer** - Takes your shot after a set amount of time.

**Resolution** - Changes the size of your picture.

**White balance** - Compensates for various lighting conditions.

**ISO** - Manually overrides the camera sensor's sensitivity.

**Metering** - Sets how the camera exposes the shot.

**Outdoor visibility** - Ramps up the screen brightness.

**Guidelines** - Lays a 3x3 grid over your viewfinder.

**Auto contrast** - Evens out the contrast of a picture.



## Take better pictures on your Galaxy

Samsung gives you some top tools for taking photos, but before you start snapping away, you may want to consider the essentials of getting better shots including the holy trinity: shutter speed, aperture and ISO.

Smartphone camera modules are comprised of a sensor and a lens as well as a fair amount of wizardry under the hood. The light passes through the lens, then falls on the sensor, forms an image and appears on the screen thanks to considerable technological wizardry.

### The holy trinity of photography: Shutter speed, aperture and ISO

There are three elements that dictate how your pictures turn out, shutter speed, aperture and ISO.

**Shutter speed** refers to how long the lens is open. The longer the lens is open, the longer the camera sensor is exposed and the brighter the picture. Lots of light is good, though a slow shutter speed can create blurry shots, thanks to handshake and moving subjects.

**Aperture** refers to how wide open a camera lens is. While compact cameras and SLRs have variable apertures, phones have fixed apertures. The wider the aperture, the more light falls on the sensor and the better the results tend to be. Higher end phones tend to have wider apertures.

**ISO** is all about sensitivity, more specifically sensor sensitivity. The more sensitive a camera sensor, the shorter the shutter speed. High sensitivity may reduce shutter speed, and therefore hand shake and blur, but in low light especially, it creates considerable image grain, also known as noise.

## Our top three Photography tips

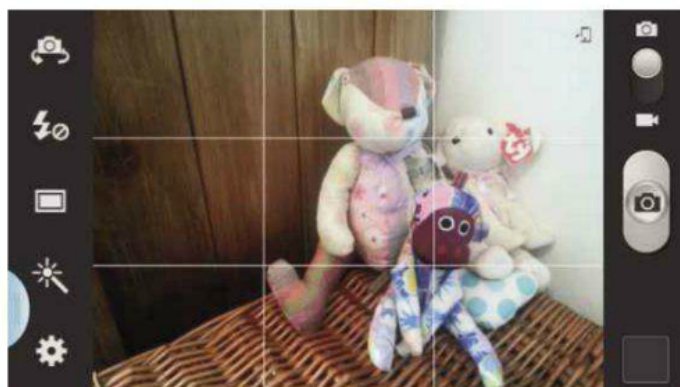
#1

Photography tip 1

### Rule of thirds

So many camera phone shots you see look a little pedestrian with their centred subjects, skylines and symmetry in spades. When it comes to creating dynamic photographs, symmetry is your enemy. One of the golden rules of photography - the rule of thirds - can help pull you out of a natural inclination to centre everything and into a world of photographs that feel altogether more real.

This rule relies on a 3x3 grid comprised of nine cells. When placed on top of your viewfinder, your focal point should fall on one of the four corners of the centre cell, illustrated in the screenshot below taken on a Samsung Galaxy Note 2. This encourages more considered framing and makes shots look considerably less static and staged.



#2

Photography tip 2

### Move, don't zoom

There are two disadvantages to the zoom on your Samsung Galaxy smartphone. The first is the fact that it uses what's known as a digital, not optical zoom. This means rather than having a lens that moves to magnify the image, it simply crops a portion of your picture on the fly. This degrades quality and is irreversible insofar as you cannot uncrop the image.

The second downside to zooming is that it makes us lazy photographers. Sure, there are times when a good old zoom is appropriate, but if you really want to capture a scene in all its glory, get up close and personal and don't be a spectator from a distance. This makes shots look and feel more immersive, totally changing the perspective and getting you more involved.



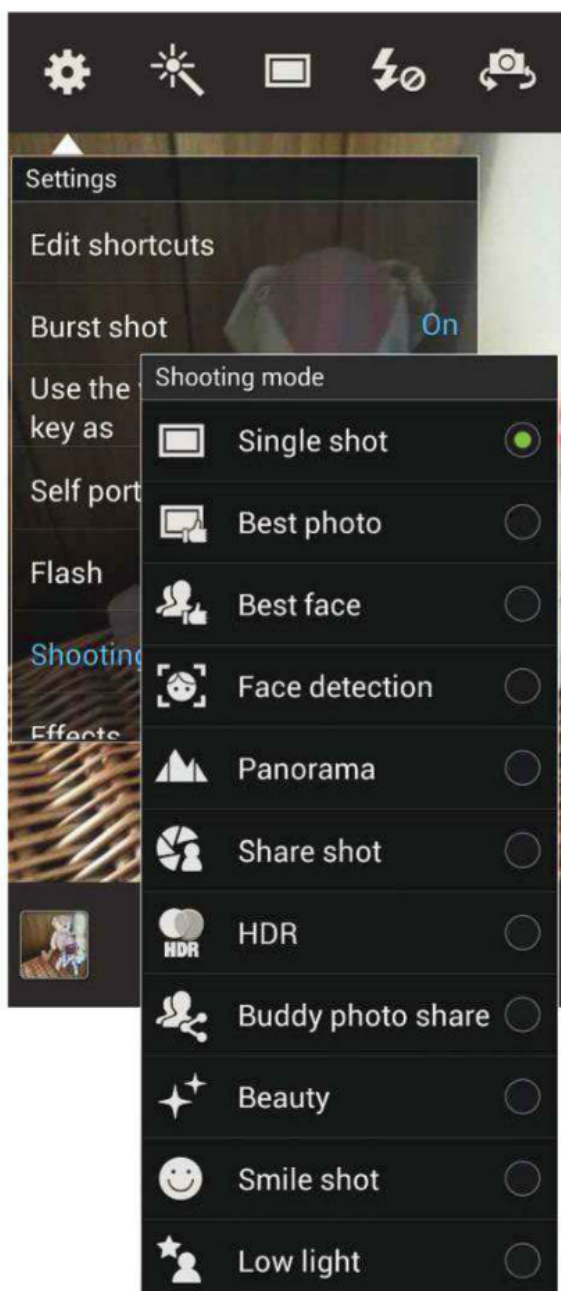
#3

Photography tip 3

### Depth of field

Depth of field is the technical term for what many people call background blur. It enhances a sharp foreground by contrasting it with a soft-focus backdrop. Introducing layers and an expensive look to images, it's commonly associated with high-end cameras. But it's absolutely something you can achieve on your humble smartphone.

All your camera phone needs is an auto focus lens, which most of the Samsung Galaxy range have. It also only really works on close-up objects. The first step is to jump into the settings and turn on macro focus mode. Next, find your subject, bearing in mind you'll need to get very close to get the maximum depth of field. When framing your shot, make sure there's plenty of depth behind whatever you're shooting. Now tap your focal point and fire. The example here was taken on the Samsung Galaxy Note 2.



## Advanced Galaxy features

If you're wondering what all of the shooting modes on Samsung Galaxy smartphones do, you're in the right place. Not only have we listed all the modes below, we've also provided a bite size explanation of each. It's worth noting though that these won't be the same on all Galaxy devices.

**Best photo:** If you're taking shots of a moving object or suffer from a shaky hand, try out Best photo. It takes eight photos one after another in quick succession. The eight photos are displayed side-by-side so you can compare, contrast and choose your best photo.

**Best Face:** If you're faced with a dreaded group shot, activate Best Face. Your phone's camera will capture multiple photos of your group. Each person's face can then be selected in isolation, mixed and matched from all the photos to create a perfect, albeit digitally fabricated moment.

**Face detection:** When taking portrait or group shots, turn on face detection for a little help focusing, exposing and colour balancing your picture based on faces detected in-frame.

**Panorama:** If you want to capture very long photos such as landscapes or interior spaces, turn on panorama. When you take your shot, you'll be prompted to pan left, right, up or down. As you do, your smartphone will stitch multiple pictures together and make one long panorama.

**Share shot:** Take a picture with Share shot activated and it will automatically send it from your phone to a computer, tablet or another smartphone connected over Wi-Fi direct.

**HDR:** It stands for high dynamic range and it's perfect if you want to capture a very high contrast scene. As you take a picture, under the scenes the Samsung Galaxy camera phone captures three shots in quick succession. One is well exposed, one too dark and the last shot too bright. It then lays them on top of one another creating one super shot with a broader tonal range.

**Buddy photo share:** Back to sharing, only this time with people, not devices. Activate Buddy photo share and take your shot as normal. Your camera phone will detect which of your friend's faces are in the picture of and will ask you whether you want to send the picture to them via email.

**Beauty:** For those occasions when your subject needs a bit of digital help looking their best, there's Beauty mode. Shoot in this mode to soften focus, even out skin, and add a sparkle to your subject's eye.

**Smile shot:** If you're one of those people who always misses the smile, activate Smile shot. Able to detect when your subject smiles, it instantly takes the shot automatically - no button press needed.



## Dual camera and dual video

Record video and photos together using the front-mounted and main cameras and merge them together in one easy step.

The dual camera mode, as introduced on the Samsung Galaxy S4, allows you to use the front and back cameras simultaneously to take photos and record video at the same time.

There is a range of frame effects available from the app to create a collage of photos and videos, merged together to capture the moment perfectly.

To create a dual camera image, open up the camera on your Samsung Galaxy device (we're using the Galaxy S4 as an example here), head into settings and choose dual camera mode.

## Story album

Capture your favourite moments in an album to tell the story.

Samsung's Story album allows you to merge content including social networking posts from Twitter and Facebook, memos, your location and weather information with pictures to create a full photo album. Say, for example, you and your friends take a trip to Cornwall in the summer and want to remember the experience in a unique way.

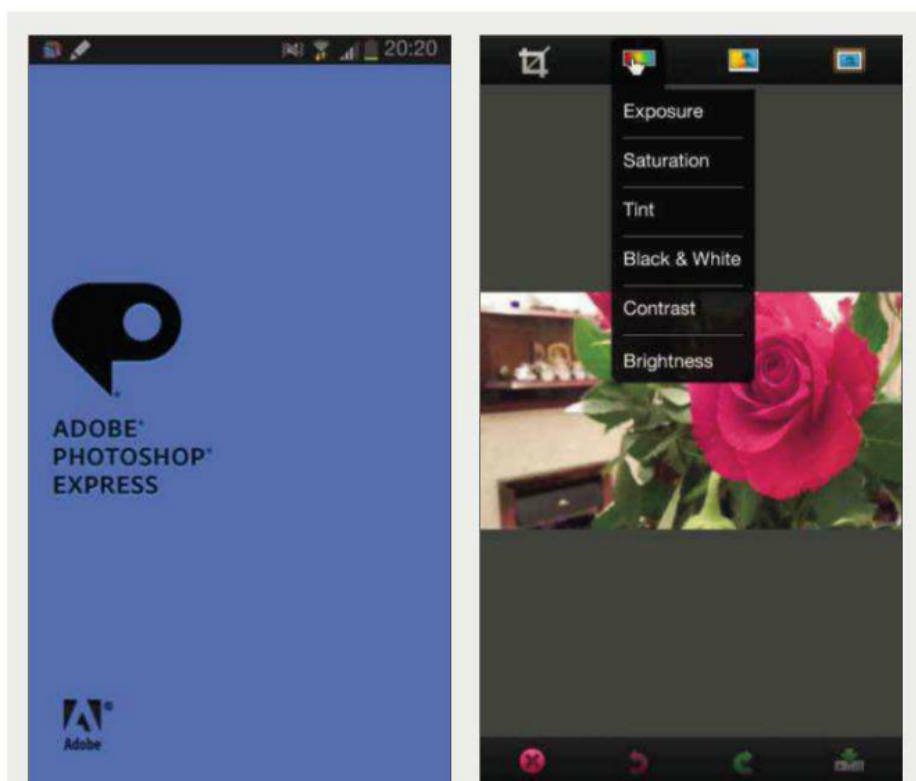
You can merge your friends' Facebook photos and Twitter posts from the trip with the weather forecast, the location and your own photo gallery from your weekend away to create your very own keepsake of the event.

You can even order these photo albums in physical format from Blurb to share whenever you have a reunion.



## Adobe Photoshop

There are two versions of Adobe's Photoshop available for your Samsung Galaxy device. The free version, Photoshop Express, is available across phones and tablets. The paid-for version, Adobe Photoshop Touch, is exclusively available for tablets. We'll start by outlining what you can expect from Photoshop Express, then tell you why - if you have an Android tablet - you might want to opt for the paid-for version.



### Adobe Photoshop Express

Good for basic photo editing, Adobe Photoshop Express can be downloaded from the Google Play store.

Starting up the application takes you straight to a grid of your images. You begin by choosing the one you want to edit.

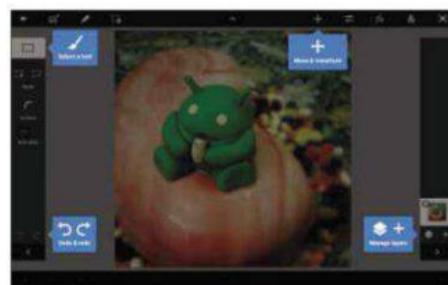
Once you've decided, tap it to maximise it then press the menu button on your Galaxy device. Here you can select the 'Edit Photo' option.

The next menu is where the magic happens. At the top, you'll find editing options. The first looks like a set square and gives you the option to crop, straighten, rotate or flip your picture.

The second set of options are all your image adjustments relating to brightness and colour correction. Here you can tweak saturation, contrast and exposure, not to mention give your picture the black and white treatment.

The third option enables you to set a soft focus blanket across your entire image. This is particularly useful for beauty shots, evening out skin imperfections and blemishes.

The final option in Photoshop Express is where you can add all your Instagram-esque filters and borders.



### Adobe Photoshop Touch

If all that seemed a tad superficial, then you'll want some Photoshop Touch in your life. As mentioned, it's only available for tablets, but it really is considerably more advanced than Photoshop Express. In fact, we'd go so far as to say that it virtually matched Photoshop Elements - a considerably more expensive package with support for selection tools, brushes, layers and levels to name a few.

While all these advanced options sound overwhelming, there are also comprehensive tutorials which walk you through every part of the app, making the £6.99 asking price great value for money.

### Top Secret Tip

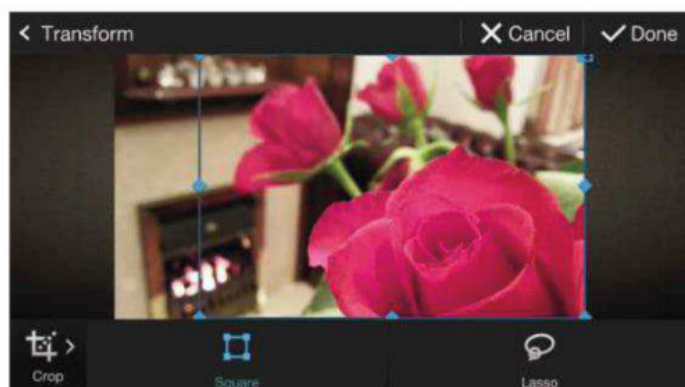
If you have the lock screen pattern set up on your Samsung Galaxy device, you're obviously taking security seriously. What happens if you forget the pattern though? When you set up a lock pattern, you'll be asked to enter a PIN. If you're prone to forgetting that too, you can choose Face unlock, Password or Face and voice instead.

### Top photography apps

- ➔ Snapseed
- ➔ Cinemagram
- ➔ Normalize
- ➔ PhotoShop
- ➔ Instagram

## Samsung Photo Editor

For anyone who hasn't ventured into the Samsung Apps world just yet, Samsung's Photo Editor is one app highlight you definitely don't want to miss. It's an incredibly comprehensive, free app that lets you transform your mobile photographs with little more than a tap and a swipe. First thing you've got to do is download it though, so get to it. Once you've installed the app and it's loaded, choose a picture to edit, then select one of four options:



### Option 1 Transform

The first is the simplest option and could well suffice for any basic editors out there. If you want to resize, rotate or crop your pictures, this is where you want to be. In addition to being simple and intuitive, it's comprehensive with options to flip images and re size them in multiple ways.



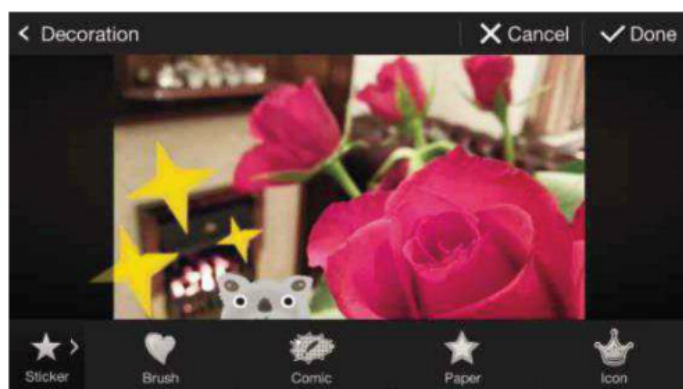
### Option 2 Colour

The second option, colour, is the road to go down if you fancy playing with hue and saturation. You can also tweak elements like brightness, contrast and exposure here too, making it very useful for simple adjustments as well some drastic recolouring.



### Option 3 Effects

Primarily providing a range of filters you can apply to your photo, there's more to be found if you dig a little deeper into the menu. The filters range from an Instagram-style vintage filter through to an off-the-wall pop art filter and, our favourite, a halftone filter. If you want to get more involved, the advanced effects panel opens you up to red eye removal as well as filters you can paint on such as pixelate and colour accent. The best filter - in our opinion - is spot healing, cleaning up marks and blemishes in no time flat.



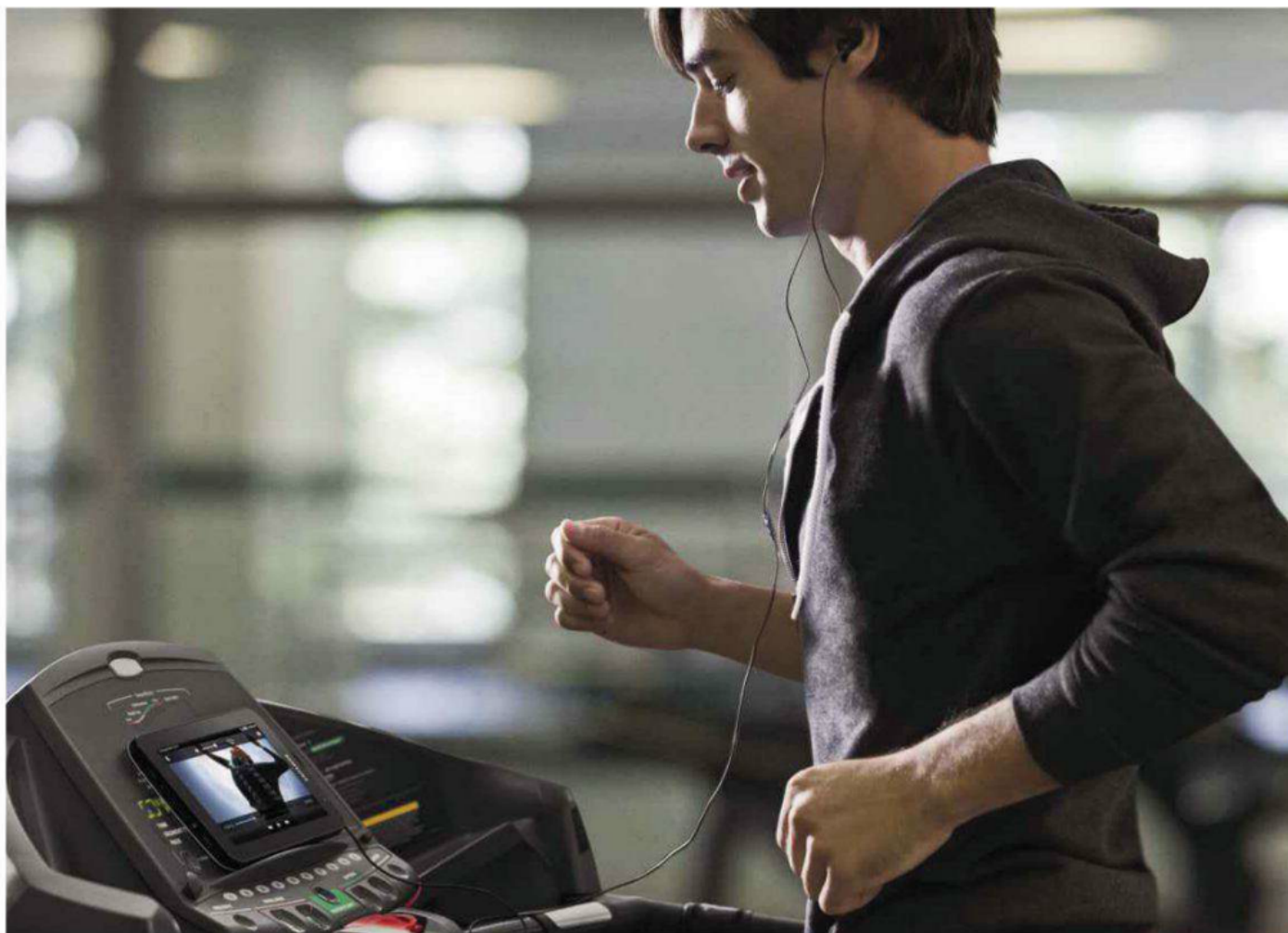
### Option 4 Decoration

The final option in our arsenal of image adjusters is decoration and, boy, is it multifaceted. You can apply frames to your photos, some classical, some fun, all free. Next up, you have the option to add digital stickers to your pictures. Multi-Grid is the penultimate decoration option, collating multiple pictures into one clean, attractive grid that you can manipulate extensively. Finally, decoration presents you with an option where you can draw or write all over your pictures with your finger or S Pen, depending on which Galaxy handset you own.



## Chapter 6

# Music & Multimedia



## Overview

# Music

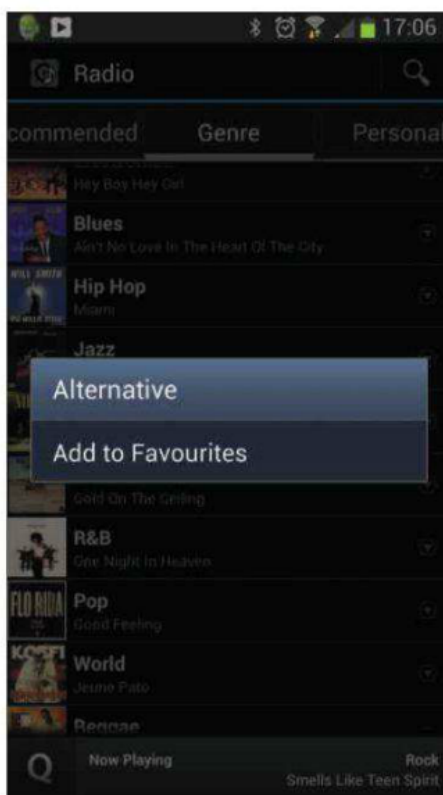
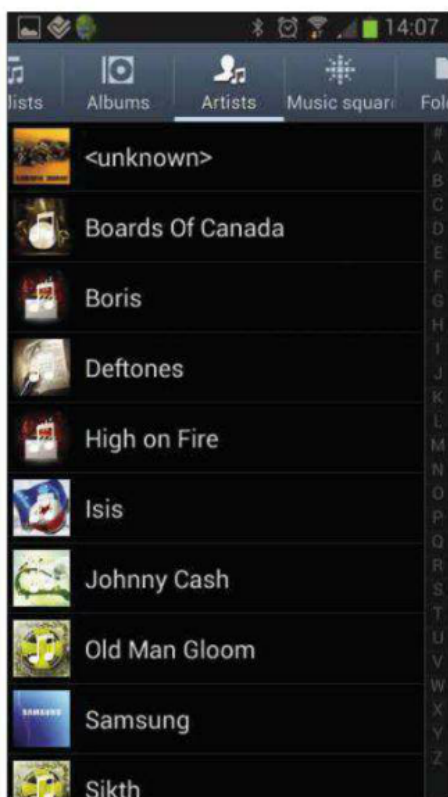
Samsung Galaxy devices aren't just tablets, phablets or smartphones, they're also fantastic multimedia devices - music included. In this section, we'll take a look at the musical talents of your Samsung device and explain how to use them to the max.

Every handset – be it an iPhone, BlackBerry or Android device – comes equipped with a bespoke music player. On a Samsung device you don't just get its Music Player – you get Samsung's Music Hub as well, which is a marketplace for buying and downloading tracks and albums.

Uploading tracks and albums to your device is simple. Just plug it into your PC via USB to copy tracks over or search for connected drives, NAS storage, for instance, and download tracks over the air (OTA).

Once tracks are loaded, you're good to go. You can even setup a Music Player widget on one of your home screens for even easier access to your library of tracks.

## The Music Player: Adding and managing music, playlists and more



### Adding music

Getting music onto your Galaxy device is extremely simple – everything you need, including the USB cable for connecting it to your PC, is provided inside the device's box.

All Samsung devices support a myriad of music file types, including: non-DRM AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. You may use a variety of media players on your PC – most people have Windows Media Player and iTunes – but as long as your music files are stored in a folder on your computer it doesn't matter.

### Top Secret Tip

Quickly uninstall apps you don't want any longer by long pressing them from the Apps Drawer and dragging them to the recycle bin icon in the top right-hand corner of the screen.

Below we'll show you how to transfer music from your Windows-powered PC or OS X-based Apple Mac to a smartphone or tablet using the USB cable.

- ➔ Once the PC recognises it, select Settings > Wireless and network > USB utilities.
- ➔ Select the 'Connect storage to PC' option.
- ➔ Connect your Galaxy device to your PC via the cable.
- ➔ On the device's screen, select the 'Connect USB storage' option.
- ➔ A removable disk mount will now appear on your computer. It'll be listed under 'Computer' on Windows and on the 'Desktop' if you're using a Mac.
- ➔ Open the folder and drag and drop music into it.
- ➔ You might want to create a sub-folder inside, entitled music, in order to keep things nice and tidy.

### Transferring via iTunes

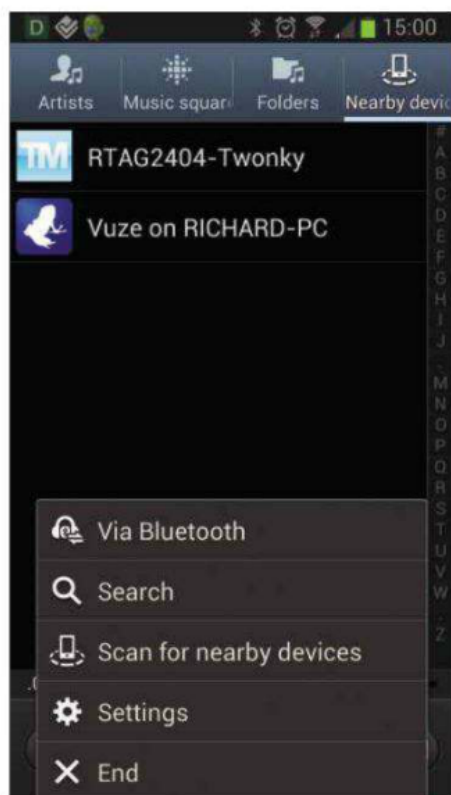
You can move music directly from your iTunes library with any Galaxy-branded device. Once the device is connected to your PC – as described here – simply drag files over from iTunes into the disk mount folder.

### Transferring via Windows Media Player

You can also move music over to your device using Microsoft's Windows Media Player. Here it's done via Windows Media Player's Sync tab.

- ➔ Select the 'Sync' tab inside Windows Media Player.
- ➔ Drag over the songs you want to sync.
- ➔ Hit 'Start Sync' and Windows Media Player will start transferring the music over to your phone.

Once everything has completed and your device is packed full of music, simply tap the 'Disconnect Storage from PC' option on the device. Wait a moment and then disconnect the USB cable.

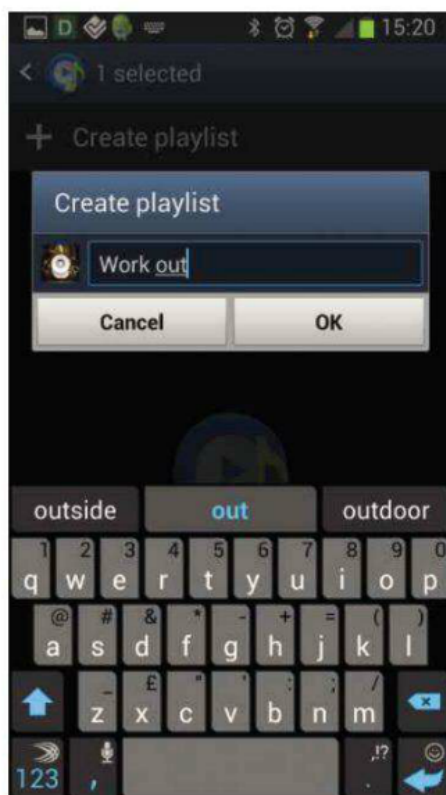


### Connecting to devices wirelessly

Samsung's Music Player will also connect to storage devices and PCs that are logged onto the same wireless network. That means if you have a Network Attached Storage (NAS) drive in your home, you can transfer music over to your smartphone or tablet wirelessly.

Here's how it's done:

- ➔ Open the Music Player.
- ➔ Tap the menu key at the bottom of your device and choose 'Scan for nearby devices.'
- ➔ All supported network-attached devices should now appear.
- ➔ Select one to view its contents.
- ➔ Once inside, hit the 'Menu' key and select the 'Download' option.
- ➔ Now, choose the tracks you want to download – please note: you can only download 100 tracks at a time.
- ➔ Once you've selected the tracks you want, hit 'Done' and they'll start downloading.



### Managing music

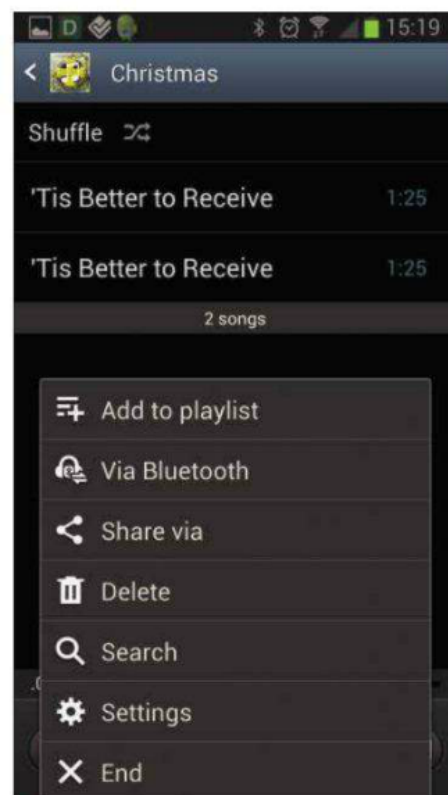
Once you have all your tracks stored on your device, Samsung's Music Player takes care of everything else sorting them in order of artist, album and track name.

However, it's probably worth ensuring that all your music is organised into the correct albums and track names prior to moving it over to your smartphone. Make sure everything is labelled properly and stored in the correct folder or album.

### Browsing music

Open the Music Player application and you're presented with several options for viewing content: All, Playlists, Albums, Artists, Music Square, Folders, and Nearby devices.

Looking for a specific album? Select the album category and scroll down until you find it. Perhaps you want a certain song? In that case, select 'All' and scroll until you find it. And if you're after a certain artist, select the 'Artist' tab and find them that way.



### Creating a playlist

Making playlists with the Music Player is simple. The hardest part will be deciding what tracks to include – but we can't help you with that, we're afraid. Playlists are great for parties, workouts at the gym, or aiding concentration when working. Here we'll show you how to build one:

- ➔ Locate the track you want, either via the All, Artist, or Albums tabs.
- ➔ Open the song and hit the 'Menu' key.
- ➔ You'll be presented with several options. Select 'Add to playlist.'
- ➔ Now you'll be prompted to create a playlist.
- ➔ Tap the '+' symbol to create a name for your playlist.
- ➔ Select 'OK' and you have a playlist.
- ➔ Now you can peruse your music and add tracks to that list.
- ➔ You can create as many playlists as you like.

## Create your own radio station with Music Hub



With Music Hub, Samsung has taken the best parts of iTunes, Pandora, and Spotify and rolled them into one service. Here you can do everything, from streaming music, purchasing and downloading tracks, listening to radio stations or creating your own.

To access the service you will need a registered Samsung account or be willing to set one up as soon as you open Music Hub.

Then, just follow the on-screen steps – it only takes a minute.

### Top Secret Tip

App keeps crashing? You can easily force quit it by pressing and holding the app from the multitasking menu (just press and hold the home key), press and hold the app icon, select App info and then force stop. You can also see from here how much storage the app is using and permissions.



Once logged in you will be able to browse millions of tracks and stream them to your Galaxy device. If you want to discover something new, check out the 'Radio' feature inside Music Hub where thousands of tracks are collated into stations for your listening pleasure.

You can even create your own personal radio station based on the artists you love. To do this, all you need to do is flag tracks and artists you like by tagging them and Music Hub will build up a list of recommendations, which becomes your personal radio station.

You can even use your personal collection of tracks, the ones that you've synced over from your PC, to search for similar artists inside the Music Hub. To do this, simply tap the drop-down icon and select 'Find similar music'. Music Hub will then trawl its 19 million songs to locate new artists that are similar to ones you already know and love.

## Best radio apps

With an Android device, you're not just limited to onboard native applications. You can also browse Google's Play store for additional radio applications.

Many are free, sport excellent features, and are an indispensable tool for discovering new music and keeping up to date with current events.

Here's a selection of some of the best:

### TuneIn Radio

The biggest and best of all free radio applications for Android and iOS, TuneIn Radio, has more features than your standard DAB radio. It should be your first port of call for all your radio-based requirements

### Stitcher Radio

With more than 10,000 radio shows, podcasts, and live stations, Stitcher Radio is one hell of an app. It's laid out beautifully, is easy to use, and even lets you browse and listen to podcasts.

### Jango Radio

Enter the name of your favourite band or artist and Jango Radio will create a personalised radio station just for you based solely on the artists you like. Similar to Pandora and just as easy to use, Jango is one of the best ways to discover new music. Best of all, it's free.

### Mobile Radio Live

Mobile Radio Live brings thousands of radio stations and shows from around the world to your mobile. Sports, politics, music, talk-radio, and film are all covered. It's a great app and you can even browse stations by country - handy if you're looking for something specific.



## Overview

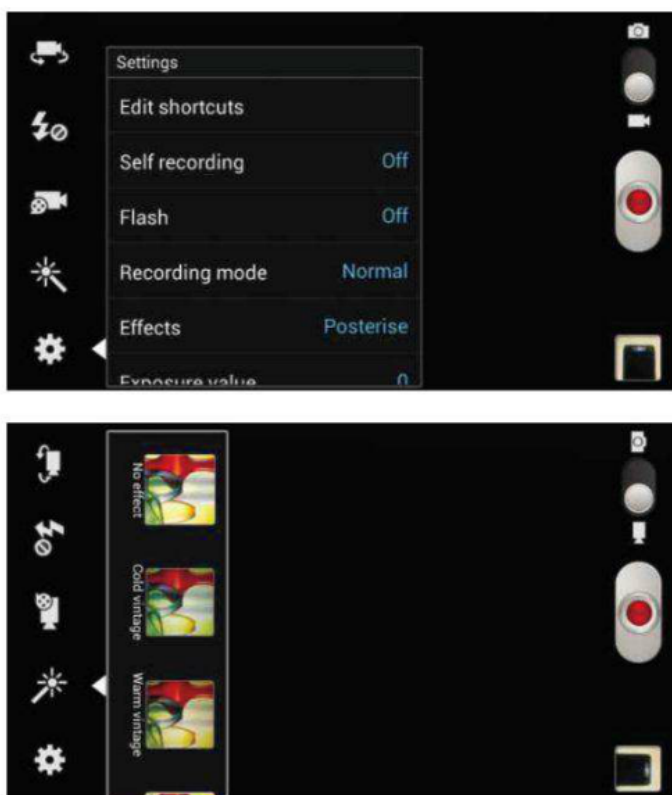
# Video

Samsung devices feature award-winning screen technology, so it's very possible you'll want to show it off with some video. The following pages will guide you through getting and watching TV and video on your Samsung Galaxy device.

There are core applications such as YouTube for video clips and video-on-demand services like Netflix and LoveFilm for a more refined experience. Not enough? No problem. There's also iPlayer, 4OD, and Google's Play store for everything else.

In this chapter we'll look at how you get videos – films and TV shows – onto your device, as well as how you share them with connected devices like Smart TVs, using tools like AllShare and Twonky.

## Using video: Adding TV/video to your phone



It's worth adding a selection of films and TV shows onto your device for when you're away from an internet connection – such as when you fly or travel on the tube.

### Here's how to transfer videos from your PC to your smartphone or tablet:

- ➔ Attach your Galaxy device to your PC with the USB cable.
- ➔ If you are using a PC you may have to install some software. Do this when prompted and then continue.
- ➔ On your phone/tablet, pull down the notification bar and tap 'USB Connected'.
- ➔ A notification should appear, select 'Mount' and your device will enter USB Storage Mode.
- ➔ An icon should appear on your desktop – this is your phone in USB Storage Mode.
- ➔ Now, just drag-and-drop files into the folder like as you did when transferring music.
- ➔ That's it! Once the films and TV shows have downloaded successfully, safely remove your phone from USB Storage Mode and disconnect.

All your videos will be stored in the Video Player application. From here you can share them in a variety of locations including Facebook, Dropbox, Drive, Google+, email and Evernote.

You can also download videos from connected devices like network attached devices, which can sometimes be quicker and less hassle than using wires. Of course, this all depends on the speed of your home Wi-Fi connection.

To do this: open up the Video Player application, select the 'Nearby Devices' tab, choose the one you'd like to explore, locate the film/TV show you want and download it.

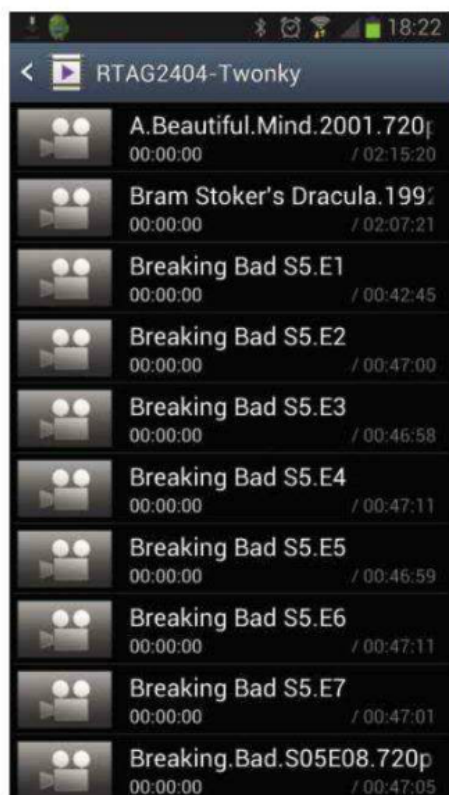
### Capturing video

Let's take a brief look at capturing HD video using your Galaxy device. All captured video footage is stored inside the Video Player application.

### How to film HD video

- ➔ Open the camera application and switch to video mode. Along the left should be a selection of options: 'Settings', 'Effects', 'Recording Mode', 'Flash' and, finally, a toggle for switching to portrait mode.
- ➔ You can add effects using the 'Effects' icon. It's similar to how Instagram works. Try out different types of effects and tones, see what you like and experiment until you find something that works.
- ➔ Thinking of sharing a video online? You might want to limit the quality so it uploads quicker. To do this tap the 'Recording Mode' option and select one of the four options: 'Normal', 'Limit for MMS', 'Slow Motion' and 'Fast Motion'.
- ➔ To view a video, click the icon at the bottom right of the display and you'll be taken to the Gallery application where you can view all your images and videos.

## Sharing video



Twonky is a fast and easy way to connect your PC, HD TV, PlayStation/Xbox 360, Apple TV and smartphone. The application is free and, once installed, shows up as a sharing option within most applications, including the Gallery.

Twonky, like AirPlay, is essentially wireless streaming and, because it's supported by thousands of devices, it's an excellent solution for all of your home-based file streaming needs. We can't recommend it highly enough.

### Top Secret Tip

Want to scrap the lock screen? Although it will leave your device open to all sorts of security nightmares, it makes your phone a lot easier to access. Just head to Settings > Screen lock and select none. Voila! You'll now be able to access your phone instantly by tapping the power button.



### Sharing video from phone to HD TV

- ➔ Make sure your HD TV is turned on and is connected to a Twonky-supported device.
- ➔ Open the Gallery application.
- ➔ Go to 'Videos,' hit 'Menu' and select the video you want to share.
- ➔ Once selected, tap the sharing icon and select Twonky.
- ➔ Twonky will now stream the video from your phone to your HD TV.

To share the video elsewhere, such as to Dropbox or Google Drive, just select that option instead. The more applications you download, the more sharing options you'll have.

### Top Secret Tip

Samsung Galaxy devices feature a number of photography features, whatever the operating system version number.

One of these extra features is Share Shot, which enables you to quickly share shots with nearby Samsung users in real time.

When you're in the Camera app, tap on the shooting mode button (in the middle) and then scroll down and check Share Shot.

If other friends are also using a Samsung Galaxy device, get them to activate the feature too.

You'll also need to turn Wi-Fi Direct on. To do this, navigate to Settings > Wi-Fi > Wi-Fi Direct.

As long as you're all within 100 metres of each other, shared images will be stored in a Share Shot album on the device.



## WatchON

Like the HTC One, Samsung has built an IR Blaster inside the Galaxy S4. This means you can use it as a remote for your TV. Samsung has also linked it to its WatchON TV service



Samsung's WatchON feature provides a whole new world of entertainment on your device and on your TV.

WatchON debuted on the Samsung Galaxy S4, allowing you to view TV listings, both on-demand and live broadcasts on your device and transfer these onto a bigger screen.

One of the unique features of Samsung WatchON

is that it can transform a connected mobile device into a universal remote control using the IR remote on your handset, allowing you to search for live TV programmes through a guide and then view those selections on your connected Samsung SMART TV.

Samsung WatchON also provides multi-screen capabilities, recommendations, based on your preferences, one-stop search functionality and social sharing functionality.

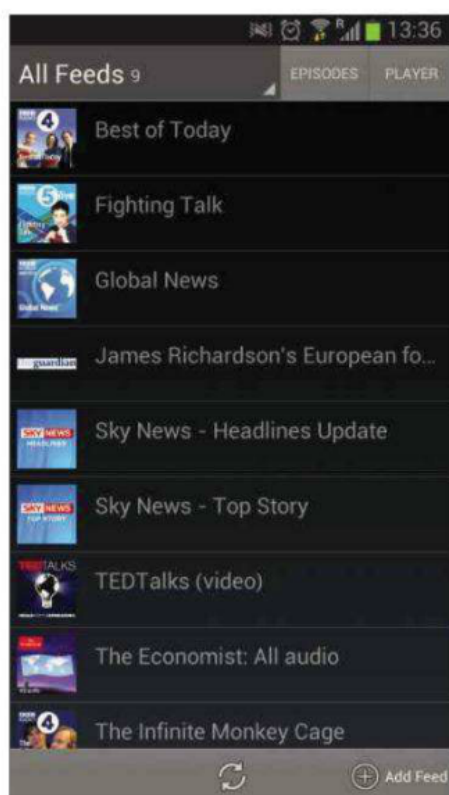
### **i Top Secret Tip**

Want to back up all your music, video, games and other files so your family can share them? Check out Samsung HomeSync - a 1TB storage solution that allows you to share all your content on your TV too.

## Podcasts

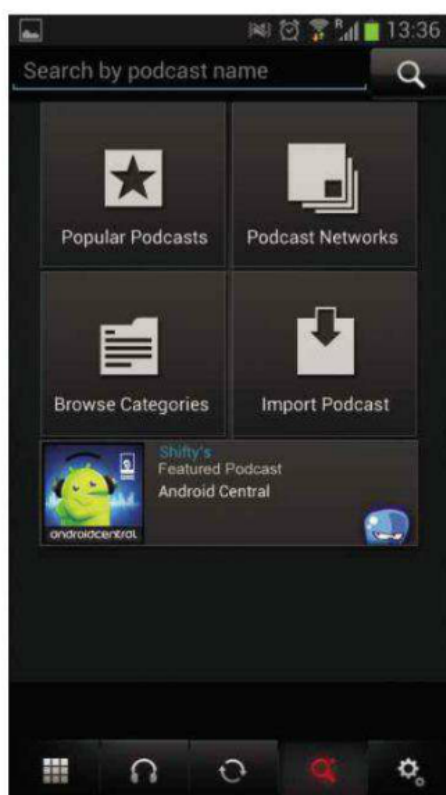
Podcasts have grown in popularity during in recent years. Much of this is to do with the rise and usage of smartphones. There's also the fact that you can get podcasts about pretty much any subject under the sun – sport, politics, film, sewing, tech, embroidery and more.

With an Android-powered Galaxy device you have some of the best applications for curating and syncing all of your favourite podcasts between your PC and your phone. Here's a selection of some of the best.



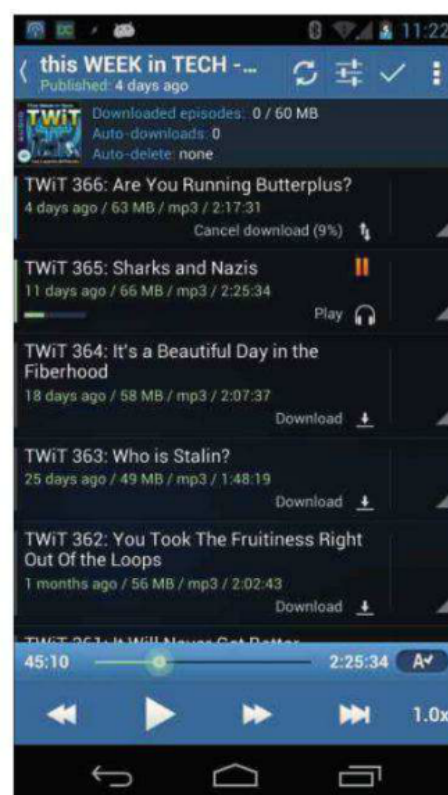
### BeyondPod

The daddy of all podcast managers, BeyondPod is easily one of the best applications available on Google's Play store. Check RSS feeds, listen and watch podcasts and keep everything in order with the app's dedicated podcast manager.



### Pocket Casts

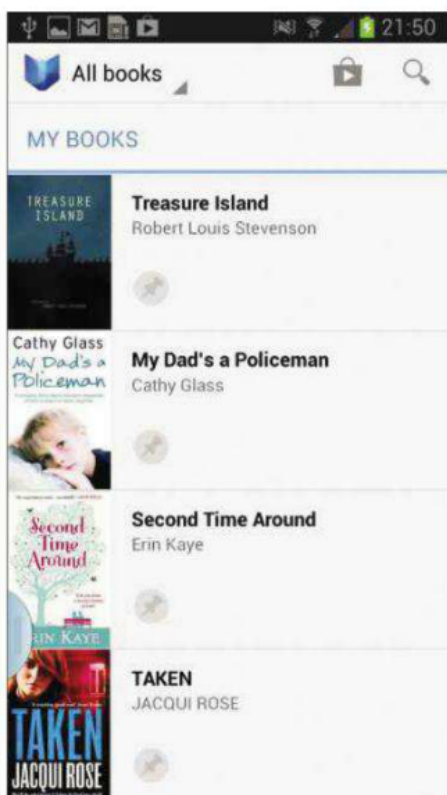
It might cost £1.99 but it's worth every penny. It allows you to stream podcasts over both 3G and Wi-Fi, as well as refreshing up to 100 lists at a time. The UI is simple to navigate around, and it's packed with tons of useful features. If you don't mind paying a premium, it doesn't get much better than this for on-device podcast management.



### DoggCatcher

DoggCatcher was voted the best podcast manager for Android in 2011, and with good reason too. The app itself is simple to set up and features myriad of features that make accessing, listening and discovering new podcasts extremely simple. You also get offline playback and there's an 8,000-plus strong community of users active in the DoggCatcher forums.

## Google Books

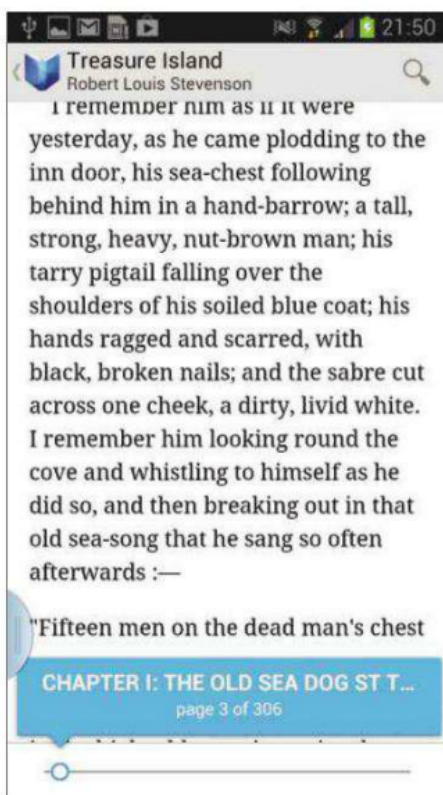


Google's Books service has more than 20 million digital titles, including magazines, newspapers and comics. Fully integrated into the Play store, browsing content, finding authors and purchasing new literature has never been easier.

Content stored inside your Google Books app is synced across all your devices, so if you buy a title on your Galaxy Note 2 it'll also be available on your PC and your Galaxy Tab 10.1 device. It also saves your bookmarks, so you don't ever have to worry about losing your place.

### Top Secret Tip

You can set your Samsung Galaxy device to display the remaining battery life by percentage to make it clearer how much juice you have left. Go to 'Settings', then 'Display' and then check the 'Display battery percentage' box.



### How to download books to your device:

- ➔ Open up the Play store.
- ➔ Tap the 'Books' section.
- ➔ Inside it's broken up into the following sections: Categories, Featured, Top Selling, New Arrivals in Fiction, New Arrivals in Non-Fiction and Top Free.
- ➔ You can also search for titles by clicking the 'Search' icon.
- ➔ Once you've found what you're looking for, hit the icon to buy and it'll download to your Play Books application.

That's it – it's all very easy: just search, click and read.

### Top Secret Tip

Rooting your Samsung Galaxy device will allow you to install a wider range of applications, books and other content you may want to use on your handset. Be warned though, although rooting can add a whole lot more functionality, if you get it wrong, it can 'brick' your device, making it as useful as, well, a brick.

Although the process of rooting your Android device is pretty much the same whatever you're using, it will vary depending on the model and model number. This guide refers to rooting a Samsung Galaxy S III.

Make sure you have version 1.85 of ODIN, Samsung's smartphone software management tool - it can be downloaded from [forum.xda-developers.com/attachment.php?attachmentid=581913&d=1304094576](http://forum.xda-developers.com/attachment.php?attachmentid=581913&d=1304094576).

You should also download the root package for your specific device.

After your download completes, unzip the file and place the resulting .tar file somewhere memorable. We recommend your desktop.

Open ODIN and click the button marked 'PDA'.

Choose the .tar file you unzipped earlier.

Next, we're going to need to put your Galaxy into download mode. We achieve this by switching the device off, waiting 10 seconds and then switching it back on again whilst simultaneously holding down 'Home', 'Volume Down' and the 'Power' key.

Once you've done that, plug your device into your computer, click 'Start' and wait a moment.

Ensure that you do not unplug your device as this may damage it. Once the procedure is complete your device will be rooted.

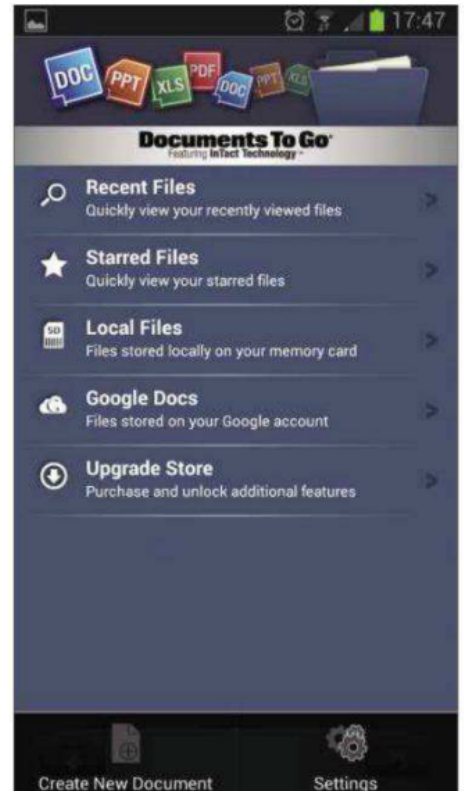
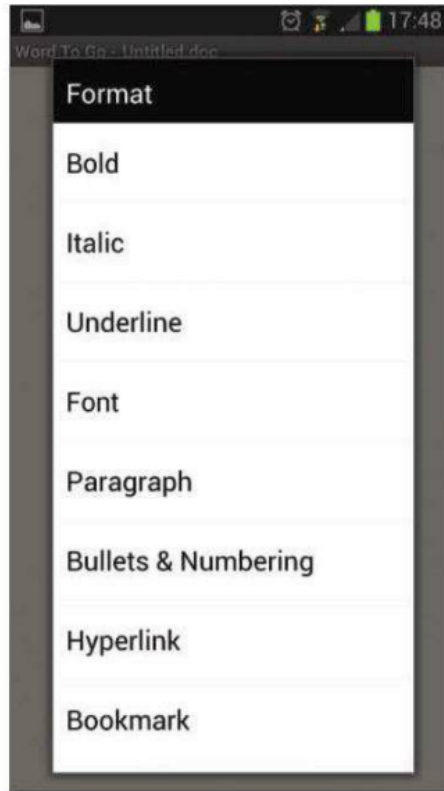


## Chapter 7

# Productivity

## Creating and editing Word documents on your Samsung Galaxy

Samsung Galaxy devices are perfect for working on the go and, with apps like Documents To Go, your productivity can be enhanced whether you're at home, at the office or on the move.



With DocsToGo you can save and access files from your phone's storage, Dropbox or link a Google Drive cloud account.

### To create a new document

- ➔ Tap the '+' icon. Alternatively, in the main DocsToGo screen press your phone's 'Menu' key and tap 'Create new document!'
- ➔ Select MS Word from the pop-up list. You'll now be in a new document with the touch keyboard in the lower part of the screen.

### Hint: To access key Word functions tap the phone's 'Menu' key.

- 'File' - allows you to create new documents, open existing documents, close the current document, save changes, save the document under a new file name or send the document via email.
- 'Edit' - allows you to toggle the touch keyboard, select sections of text, select all text, cut, copy, paste, undo and redo.
- 'View' - allows you to adjust zoom, find words in the page or edit footnotes.
- 'Format' - allows you to format the document with bold, italic or underlining functions, font style, paragraphs and indentation, bullet points and numbering, hyperlinks and bookmarks.
- 'Insert' - lets you add page breaks, bookmarks, hyperlinks and tables.
- 'More' - opens up options for 'Preferences', file properties and word count.

### Top alternatives

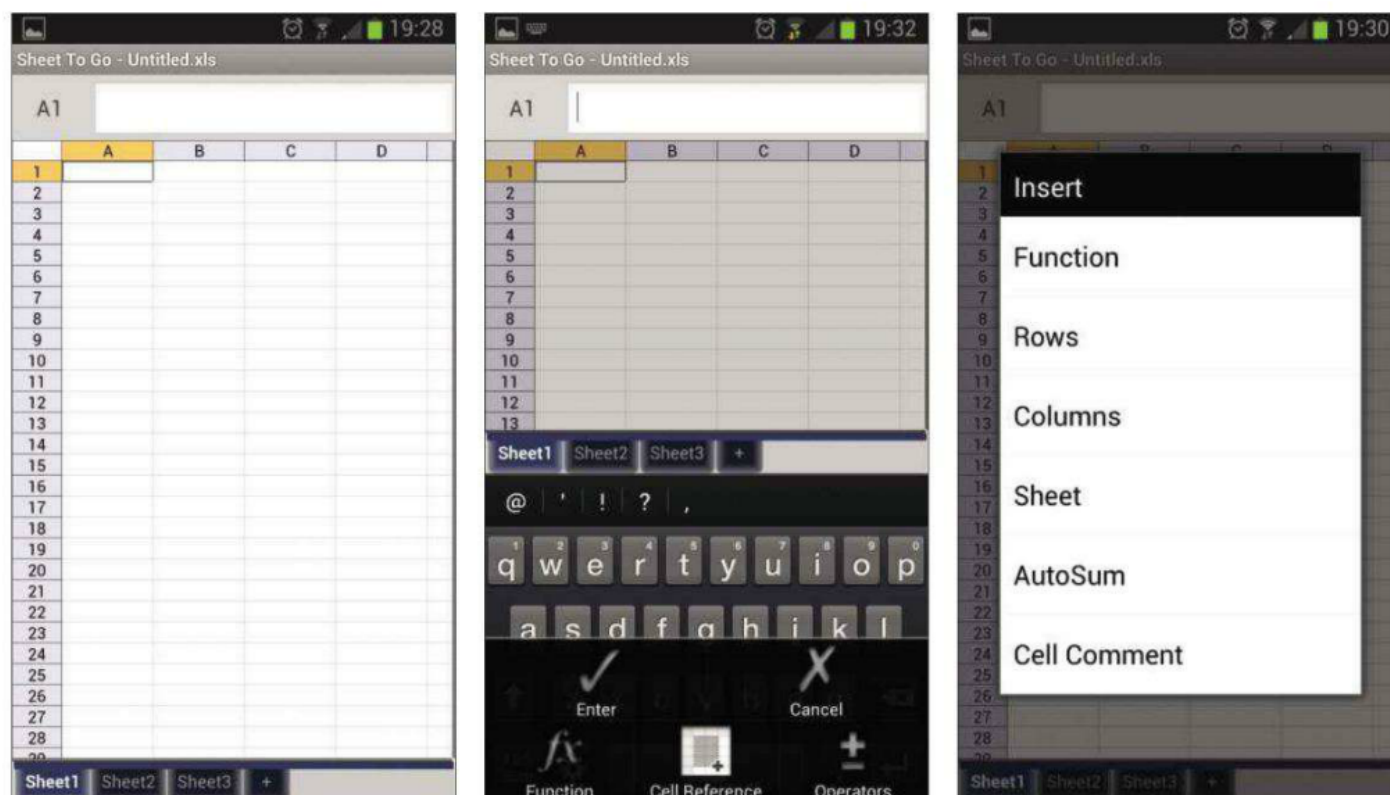
- ➔ Kingsoft Office
- ➔ Quickoffice Pro
- ➔ ThinkFree Office
- ➔ OfficeSuite Pro
- ➔ Smart Office

### Top Secret Tip

You can encrypt your Samsung Galaxy and the SD card for increased security. Go into 'Settings', tap on 'Security' and then tap on either 'Encrypt device' or 'Encrypt SD card'. Once you've tapped these, you'll go through the on-screen instructions for securing your device further.

## Creating and editing Excel spreadsheets on your Samsung Galaxy

Documents To Go can also be used for creating, editing and sharing Excel documents whether you need to carry out basic calculations or more advanced processes. There are, of course, alternatives, but our favourite is DocsToGo.



### To create a new spreadsheet

- ➔ Tap the '+' icon. Alternatively, in the main DocsToGo screen press your phone's 'Menu' key and tap 'Create new document.'
- ➔ Select MS Excel from the pop-up list. You'll now be in a new Excel spreadsheet document.

### Editing a document

- ➔ You can pan around the document with your finger or use pinch-to-zoom for magnification.
- ➔ Tapping on a box allows you to edit the contents of the box. With a box selected, tap on the bar at the top of the screen - the touch keyboard will appear.

### Tap the phone's 'Menu' key to bring up the contextual controls. From here you can:

- ➔ Use 'Function' to edit the cell function.
- ➔ Tap 'Cell reference' to insert the cell reference ID.
- ➔ Use 'Operators' to add operators to the cell.
- ➔ Remember to use the 'Enter' control to complete your formulae, or if you want to start again you can tap 'Cancel' instead.
- ➔ At the bottom of the page there are tabs for three sheets by default. You can tap the '+' icon to add more.

### Without the cell function bar selected you can tap the phone's 'Menu' key to bring up a different set of contextual controls:

'File' - allows you to create new documents, open existing documents, close the current document, save the current document, save the document with a new file name or send the document via email.

'Edit' - allows you to edit a currently selected cell, to select text or formulae in the document body and provides options for cut, copy, paste, undo and redo.

'View' - allows you to control zoom, find keywords in the document, jump between worksheets and view a cell's contents.

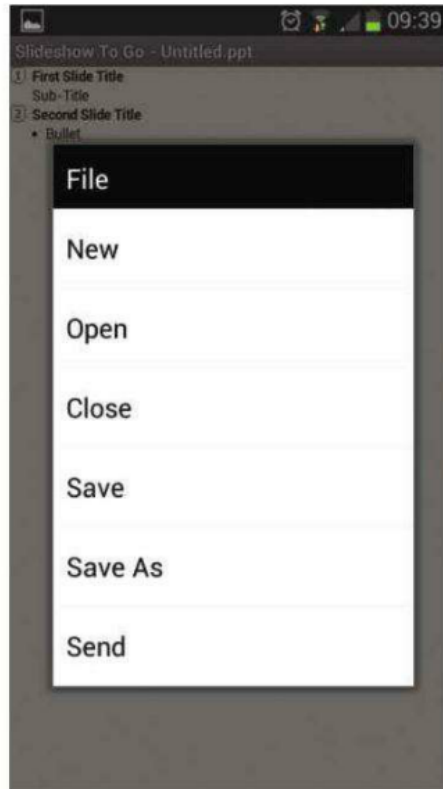
'Format' - lets you format numbers, cell settings, sheet settings and provides sorting controls.

'Insert' - lets you input a function, add rows and columns, add sheets, add comments to cells and run the AutoSum formula tool.

'More' - includes options for deleting rows, columns, sheets and comments, with row and column controls.

## Creating and editing PowerPoint presentations on your Samsung Galaxy

PowerPoint presentations complete the full suite of document reading, editing and creation available on Samsung Galaxy devices. You can also set your presentations free and use with a projector if your device supports it.



### To create a new presentation

- ➔ Tap the '+' icon. Alternatively, in the main DocsToGo screen press your phone's 'Menu' key and tap 'Create new document.'
- ➔ Select MS PowerPoint from the pop-up list. You'll now be in a new document.
- ➔ The touch keyboard should appear, allowing you to edit the text in the presentation's slides. You can zoom in and out by pinching the touchscreen.

### Editing controls are accessed by pressing the phone's 'Menu' key.

**'File'** - allows you to create new documents, open existing documents, close the current document, save the current document, save the document with a new file name or send the document via email.

**'Edit'** - allows you to toggle the touch keyboard on or off, select content from the document body, perform cut, copy, paste, undo and redo functions, sort slides and delete slides.

**'View'** - lets you control the zoom, find text in the document, view individual slides, view an overall 'outline' of the presentation (ie: all the slides at once), view notes, move forward and backwards between slides and a quick jump selector for individual slides.

**'Format'** - allows you to increase or decrease the indent.

**'Insert'** - lets you add a new slide, duplicate a current slide or add a new bullet item to a slide.

**'More'** - includes further options for preferences.

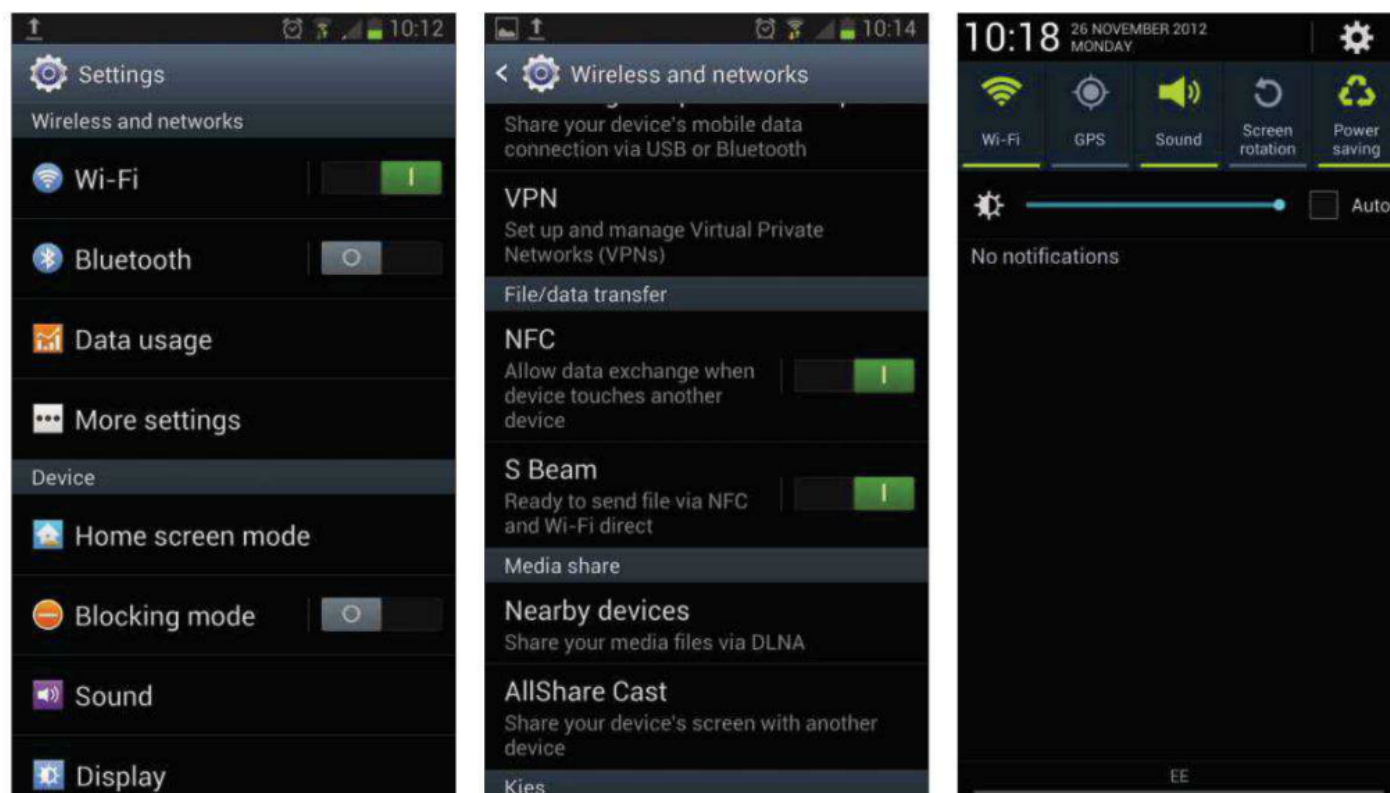
### ❶ Top Secret Tip

You can install apps on your Galaxy directly from your computer. This is an ideal option if you want to install an app on multiple Samsung Galaxy devices, such as tablets and smartphones. Go to [play.google.com](http://play.google.com) and, when you're signed into your Google account, choose the app you want to download. Click 'Install' and there will be an option that says 'Send To Another Device...'

Tap on the 'Choose another device on which to install', scroll down to the Samsung Galaxy option and the app will be automatically installed a few seconds later.

## A guide to file sharing

Samsung has embraced file sharing with its devices, allowing you to share via email, social networks, NFC and Bluetooth. Here, we guide you how to share effectively.



### NFC

Not all Samsung Galaxy phones are NFC enabled, but with the most recently released and premium models it's becoming a more commonly included capability. On Samsung Galaxy models with TouchWiz you have to use the 'S Beam' functionality for NFC (on the Galaxy Nexus there's Android Beam instead).

#### How to share files with NFC:

- ➔ Open 'Settings'.
- ➔ On TouchWiz models (such as the Galaxy S III) tap 'More settings' followed by 'S Beam'. On Galaxy Nexus models tap 'Wireless and networks', then tap 'More', followed by 'Android Beam'.
- ➔ Ensure NFC is switched on with the toggle control.
- ➔ Ensure that S Beam or Android Beam is switched on with the toggle control.
- ➔ Find and open the item you want to share, such as a photo, document or video.
- ➔ Hold the device back-to-back with another NFC-enabled device. You may hear a sound and be greeted with a prompt. Tap any on-screen prompts to complete the process, it should only take a few moments to send the data between devices.

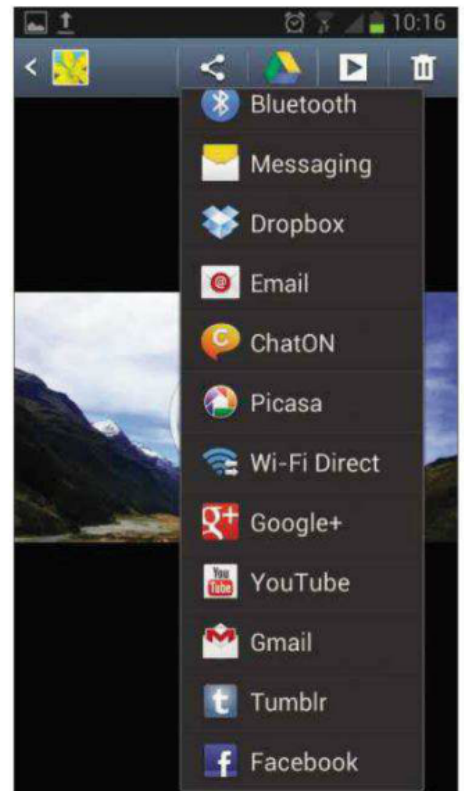
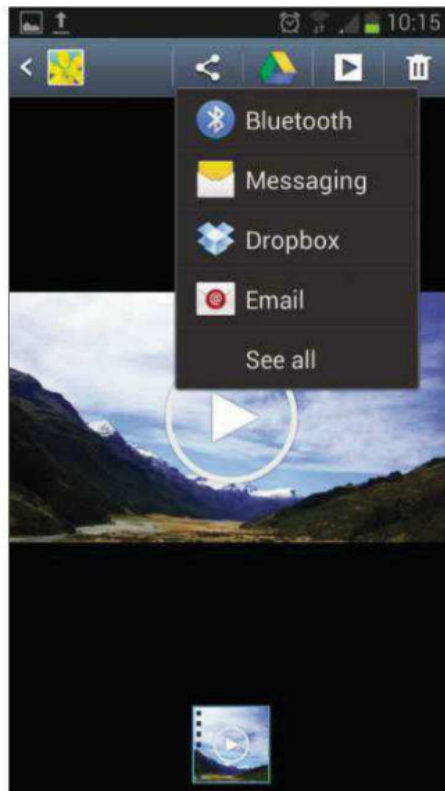
### Bluetooth

Bluetooth can also be used to share data/files in a similar fashion to NFC, though to do so doesn't require you to 'bump' devices together. Bluetooth is also a far more commonly included capability on most smartphones and tablets.

#### How to share files with Bluetooth:

- ➔ To activate Bluetooth go into 'Settings'.
- ➔ In 'Wireless and networks' you should find a Bluetooth toggle. Ensure this is switched on. Note that on many Samsung Galaxy handsets you can also find a Bluetooth toggle directly from the home screen - it's in the quick settings menu on the drop-down notifications bar.
- ➔ Pair your phone with another Bluetooth device you wish to share data with by scanning for and selecting the device. You may need to enter a key.
- ➔ With Bluetooth activated and the phone paired, navigate to the file you wish to share and open it.
- ➔ Tap the share symbol (it looks like a series of dots connected by lines)
- ➔ Find and tap the Bluetooth icon (you may have to tap 'see all' and scroll through the icons).
- ➔ The phone should now scan for available devices. Select the device you want to share with. The data transfer should only take a few moments.

## A guide to file sharing continued...



### Email

To share content via email you need to have an email account setup on your Samsung Galaxy device already. This can be a Gmail account, a webmail account such as Hotmail or Yahoo, or a Microsoft Exchange email account.

#### How to share via email:

- ➔ To share an item such as a photo or video, open the file you wish to send.
- ➔ Tap the share icon.
- ➔ Tap 'See all' to show a full list of sharing options.
- ➔ Select the email account you wish to share through from the list.
- ➔ You'll be taken to a new email with the file attached. Simply add one or more recipients, a subject line and some body text.
- ➔ Tap 'Send'.

### Messaging and social networking

You can share files and content through a number of messaging channels, including MMS text messages from your phone number, Facebook Chat, ChatON or through social networking apps such as Facebook, Twitter and Google+.

In each case it works in exactly same way as the email method described here. Simply open the item you wish to share and tap the share icon, followed by the method you want to use to share. You'll need to enter recipients and other message details, but your item should already be attached.

### Cloud

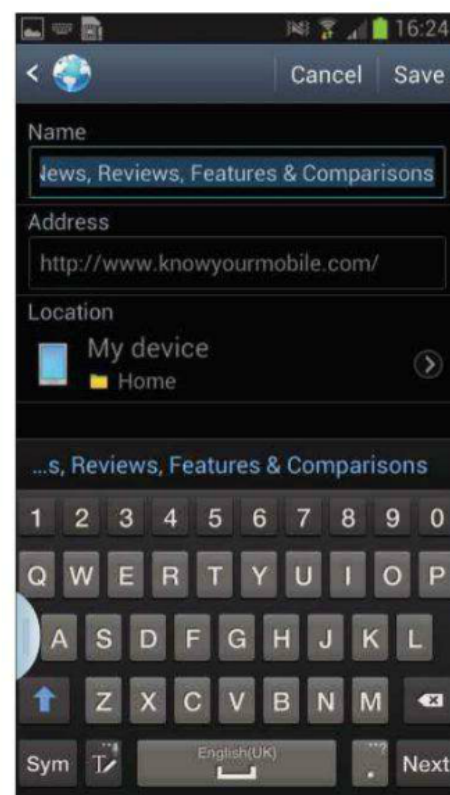
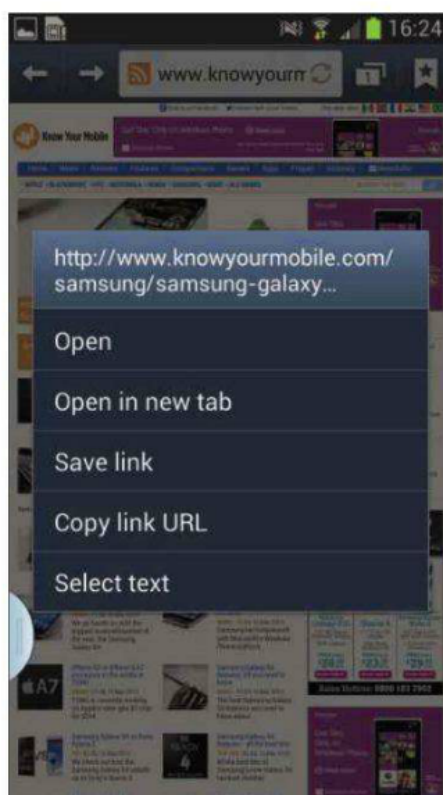
Cloud services are another handy way of sharing data. We cover Google Drive in more detail later in this book, where we explain how you can share individual documents with other users.

You can also directly share files via Google Drive by tapping the share icon and selecting 'Drive' from the list. You can then choose to add it to a shared folder.

You can do the same with Dropbox - another useful cloud storage and sharing service - if you install the dedicated app on your Samsung Galaxy device and set up an account.

## Web browsing with Samsung Galaxy

Android's built-in WebKit browser is a decent offering with pinch-zoom, double-tap controls and tab functionality. It's also quick, syncs with your Google account, features offline browsing and supports a number of Chrome features such as Incognito mode.



### How to view a web page:

- ➔ Open the browser by tapping on the 'Internet' shortcut.
- ➔ Tap on the address bar. Here you can either type a direct URL (such as [www.bbc.co.uk](http://www.bbc.co.uk)) or type in a search term using Google Search. Suggested searches will come up as you type and you can tap one to go straight into the search.
- ➔ If you chose to search you can now scroll through Google's results and tap on any you want to visit.

**Hint:** Press and hold on a link at any time to bring up an actions menu - you can select 'Open in new tab' to bring up the page while keeping the page you're currently on in the background!

### Other controls:

While viewing a page, tap your phone's 'Menu' key. From here, you can perform a number of actions: 'New window' opens a new tab while keeping your current page in the background.

**Hint:** you can also press the 'Tabs' button to the immediate right of the address bar. Here you can view a carousel of all open pages. Tapping on one will open it as your main page. You can also close pages with the '-' icon, open new pages with the '+' icon or open an incognito (private) page with the 'Spy' icon.

'Share page' lets you share the web page via messaging or social networking.

'Bookmark this page' lets you add the page to your favourites.

'Save for offline reading' lets you save the page to view when you don't have an internet connection.

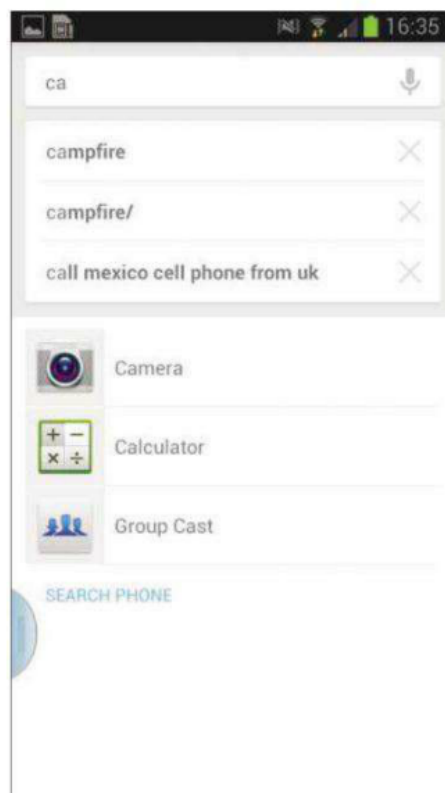
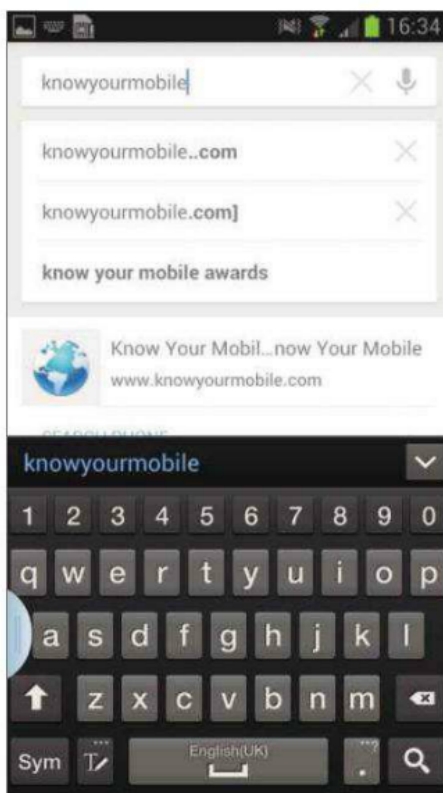
**Hint:** the star icon in the top right allows you to access your bookmarks, browsing history and saved pages. It also lets you access favourites saved on your Google account via Google Chrome on computers or mobile devices.

### Top alternative browsers:

- ➔ Google Chrome
- ➔ Opera Mini/Opera Mobile
- ➔ Dolphin
- ➔ Firefox
- ➔ Skyfire

## Using Google Search on your Samsung Galaxy

Google's built-in search function not only allows you to search the web, it can also be used to search your phone for contacts, favourite web pages, content and apps.



To use Google search, simply tap on the search bar and begin typing.

If you haven't got the Google search bar widget on your homescreen, go into your App Drawer and tap the 'Google' shortcut instead.

- ➔ As you type a search term suggestions will pop up. If you're connected to the internet you'll see web search suggestions.
- ➔ You can tap a suggested search term or ignore them completely and type your own terms.
- ➔ Tap the magnifying glass on the keyboard to complete the search - this will perform a dedicated web search.

Whether you have an internet connection or not you'll also see 'Search phone' suggestions coming up with apps, contacts and browser favourites.

At any point you can tap 'Search phone' to do a dedicated phone search using the search terms and this will show you all possible results.

With any search there should be a scrollable bar at the bottom of the page. You're able to select from 'Web', 'Images' or 'Places', or you can tap 'Phone' to look at possible apps, contacts, eBooks and so on. You can also tap 'More' to expand the scrollable bar with other Google search options such as 'Shopping', 'News' and 'Video'.

Tapping the cross on a search term will remove it from the suggestions list. If you tap the cross in the search bar it will remove your current search completely, allowing you to start again.

### Top Secret Tip

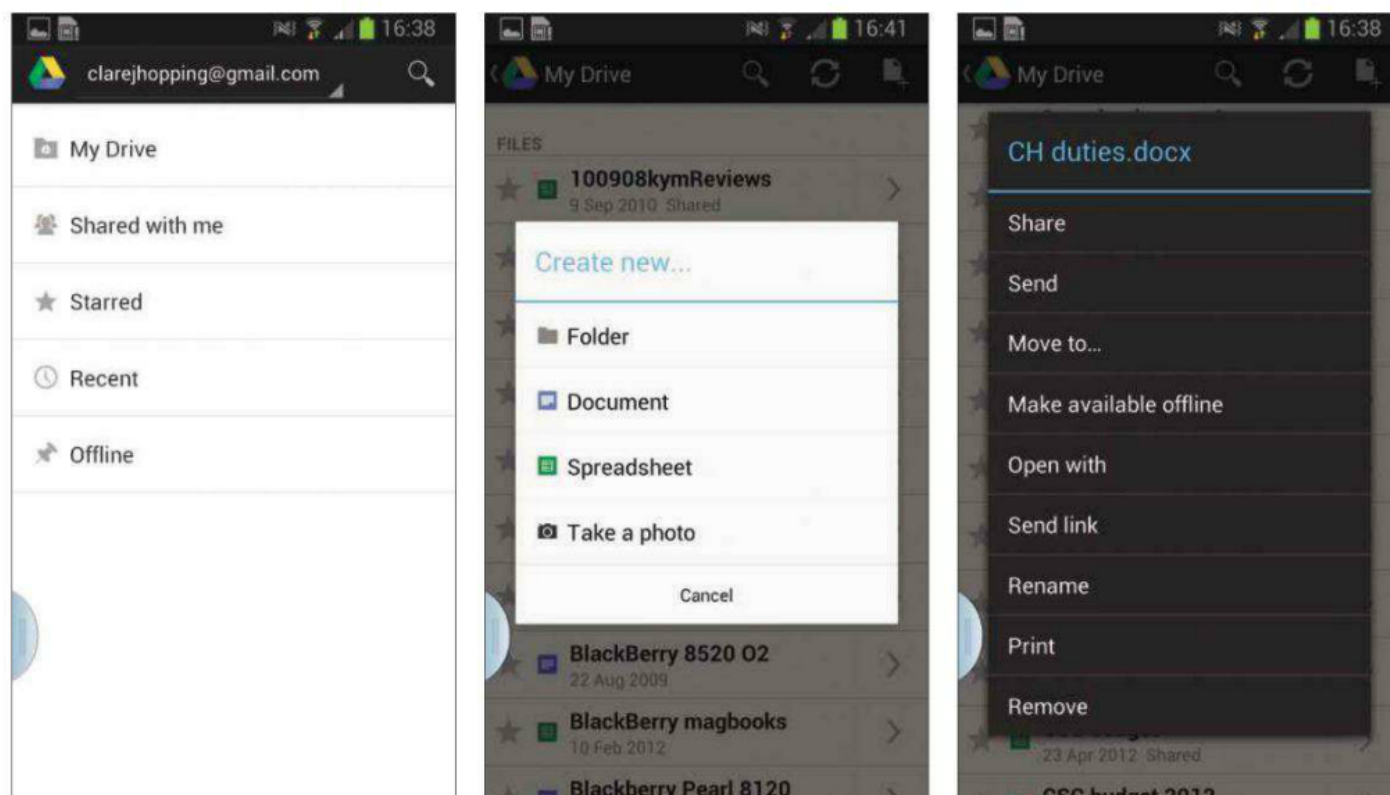
While your Samsung Galaxy has a solid on-screen keyboard, you may just prefer to use a physical one.

The easiest solution is to get a Bluetooth keyboard, then go into the tablet or smartphone's settings, turn on Bluetooth, hit the 'Search for devices' button and it should recognise your keyboard (make sure it's turned on).

From there, you'll get on-screen pairing instructions and you should be able to use your keyboard anywhere on the Galaxy where there's text input.

## Using Google Drive on your Samsung Galaxy

Google Drive (formerly Google Docs) is Google's synchronised cloud service which spans web, computer and mobile content.



Google Drive is an excellent way of making key documents available to you at all times, wherever you are. You can download the Google Drive app from Google Play and it will automatically sync with an active Google account on your phone.

When you open Google Drive you'll be presented with the main page. Here you'll find categories for 'My Drive', 'Shared with me', 'Starred' (favourites), 'Recent' and 'Offline.'

If you have multiple Google accounts you can switch between them by tapping the bar at the top and selecting from the drop-down list. There's also a search function in the top right to help you quickly find documents.

'My Drive' is the main component of Google Drive as this is where you'll see every document you've created on your phone, tablet or computer. You can scroll through your files, tap them to view or check the star icon to make them favourites.

➤ Tapping the arrow icon to the right shows you a document preview. Here you can edit who has access to the file and make it available offline if you wish. A drop-down menu in the top right also allows you to send it via email, rename the document, print it or delete it.

**Hint:** in the file browser in the 'My Drive' section you can also perform a number of actions simply by pressing and holding on the file and selecting from the pop-up menu.

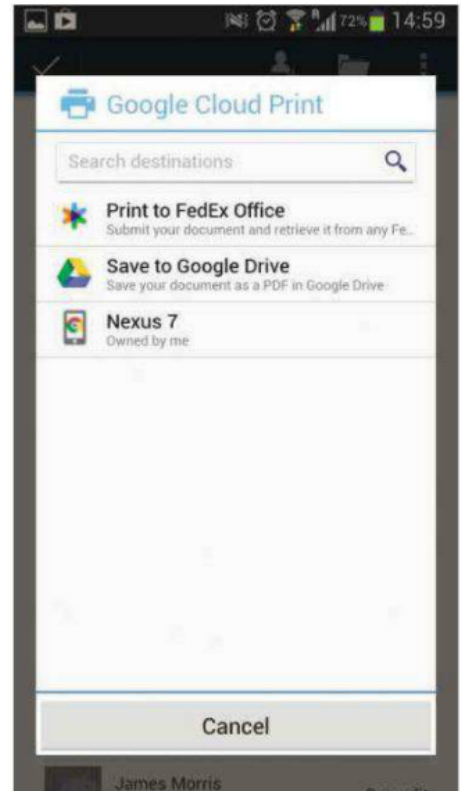
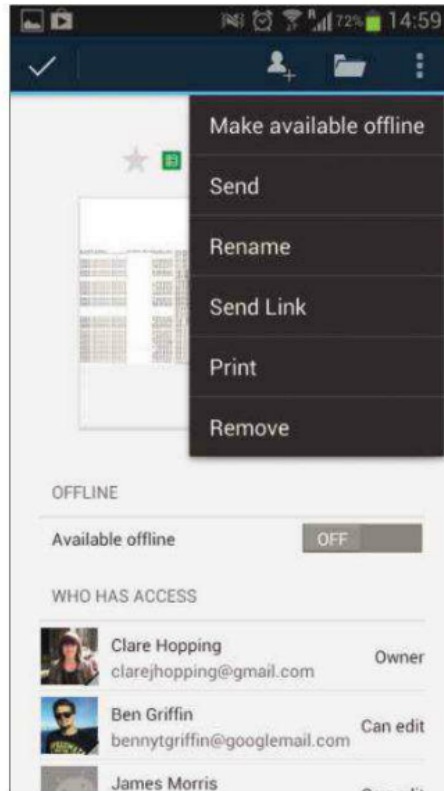
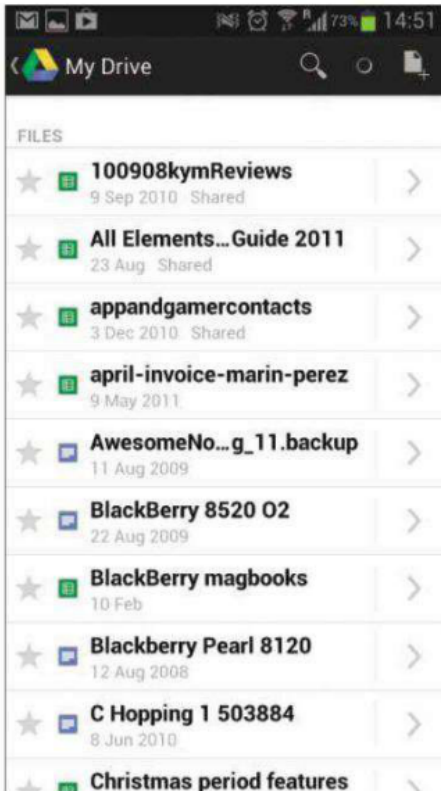
➤ You can create new documents by tapping on the paper icon with a '+' in the top right corner. You can choose from new folders, spreadsheets or text documents, or to take a photo with the phone to be saved in Google Drive.

➤ When viewing a document, you can simply scroll around and pinch-to-zoom to navigate. You can edit the document by double tapping within the body or by pressing the pencil icon in the top bar. This will bring up a scrollable formatting bar at the top and the touch keyboard in the lower part of the display. After making any changes, hit the tick icon to complete.

➤ You can also tap the speech bubble to leave a comment for shared users, or add users to the shared list with the icon in the top right corner.

## Using Google Cloud Print on your Samsung Galaxy

Google Cloud Print allows you to print documents wherever you are from your mobile device (as long as you have a data or Wi-Fi connection). You'll need a Google account and the Google Drive app installed on your Samsung Galaxy device.



There are a number of cloud-ready printers available and you can find a list of compatible models at <http://www.google.com/cloudprint/learn/printers.html#> where you'll find instructions for setting up each model.

The service also works with regular printers. You'll need a printer already set up and connected to a Mac or a PC with Windows Service Pack 3 and whichever machine you use will need Google Chrome installed.

- ➔ Log in to Google Drive on your Samsung Galaxy device by opening the app and entering your Google account details.
- ➔ Log in to your Google account in the Chrome browser on your computer by going to the 'Menu' tab.
- ➔ In the menu tab, go into the 'Settings' section.
- ➔ Click 'Show advanced settings'.
- ➔ Click 'Add printer'.
- ➔ Confirm by clicking 'Add printer(s)'.
- ➔ All printers associated with your computer will now be added. You can click 'Manage printers' to inspect, remove and adjust printer settings.

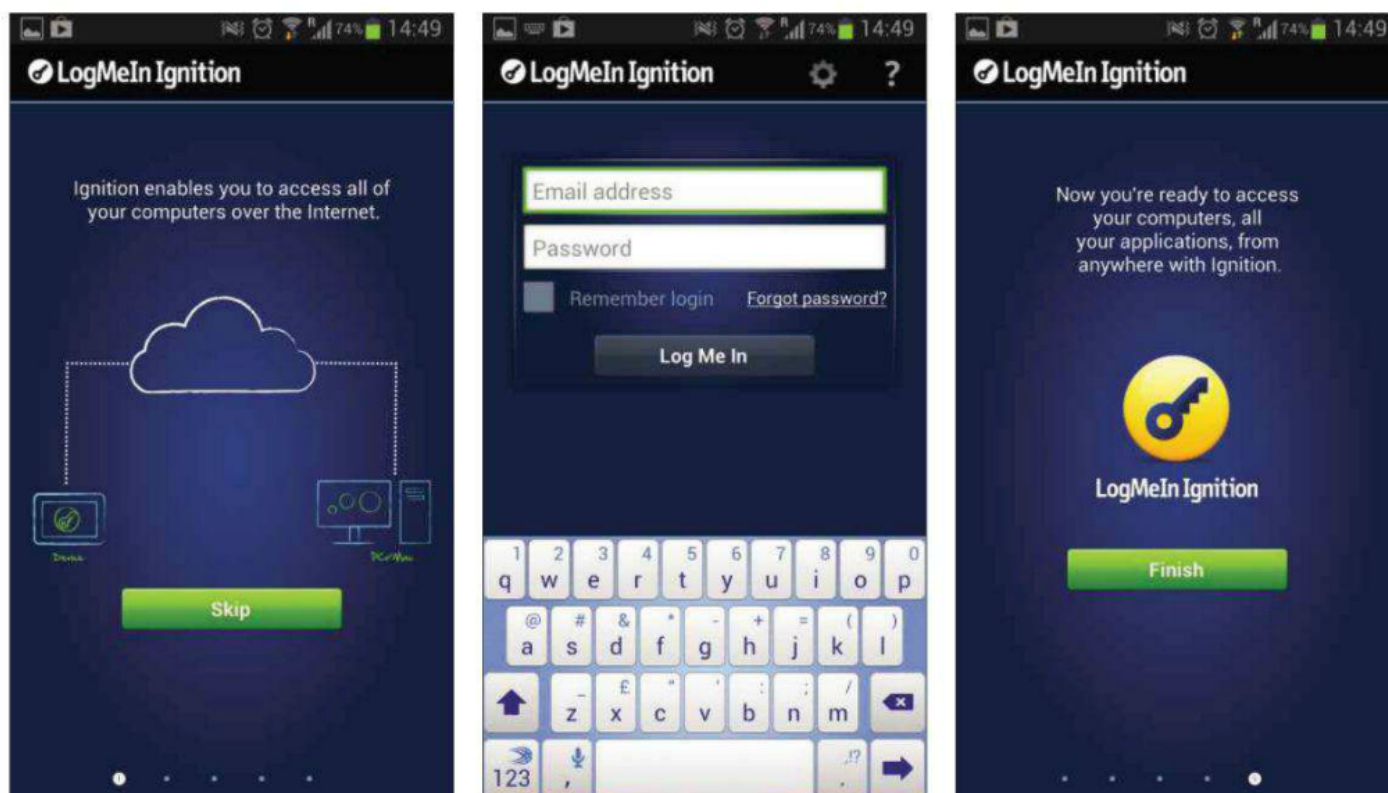
### How to print from your mobile device:

Once you've taken care of the set up and have your mobile device linked in via the Google Drive app you'll be able to print Google Drive documents from your phone or tablet.

- ➔ Open Google Drive.
- ➔ Tap 'My Drive'.
- ➔ Press and hold on a document you wish to print.
- ➔ Tap 'Print' from the options that come up.
- ➔ Select a printer from the list of devices that appears.
- ➔ You'll be presented with printing options, such as the number of copies to print, colour settings and orientation. When you've configured things to your liking tap 'Print'. After a few moments the document should begin printing.

## How to remotely access your computer from a Samsung Galaxy

LogMeIn Ignition allows you to access your computer from your Samsung Galaxy mobile phone or tablet - useful if you're out of the office and need something vital stored on a PC or Mac.



In order to use LogMeIn Ignition you should already have a LogMeIn account. If not, you can create one by visiting the LogMeIn website.

You'll also need to install LogMeIn host software (LogMeIn Pro<sup>2</sup> or LogMeIn Free) onto your computer and to have logged in from that machine - this will have added the computer to your LogMeIn profile.

To install LogMeIn Pro<sup>2</sup> or LogMeIn Free, go to the computer that you want to be able to access remotely and log in to your account at [www.LogMeIn.com](http://www.LogMeIn.com).

- ➔ Click 'Add Computer' on the My Computers page.
- ➔ Follow all on-screen instructions.

Once you've done this and have installed the app on your phone or tablet from the Google Play store, you can get started with remote access.

### Using LogMeIn on your mobile device:

- ➔ Open the LogMeIn Ignition app and you'll be prompted with a login page.
- ➔ Enter the user name and password of your LogMeIn account. You can check the 'Remember login' box if you wish.
- ➔ Tap 'Log Me In'.
- ➔ You will now be presented with a list of computers you've added. You can connect to any that are listed as 'online.'

### In order to be classed as online a computer must meet the following criteria:

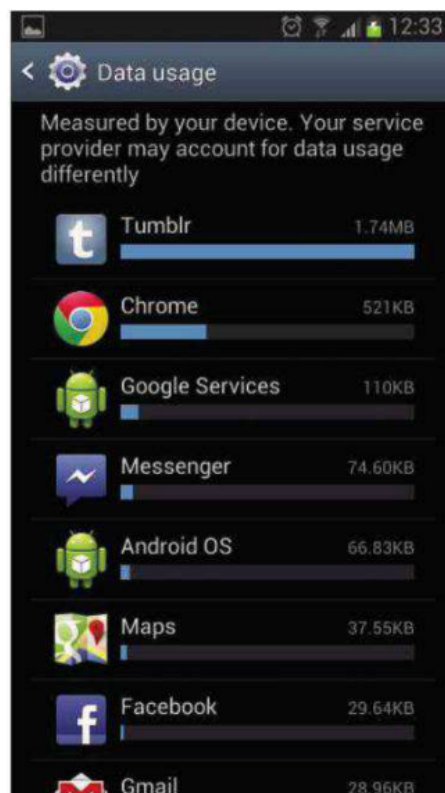
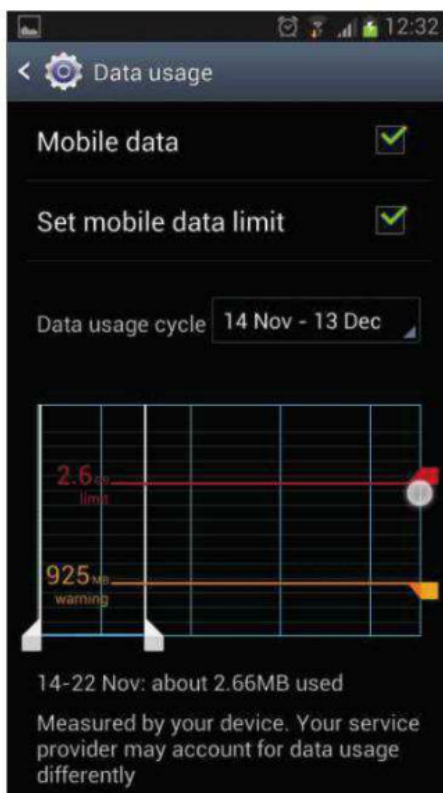
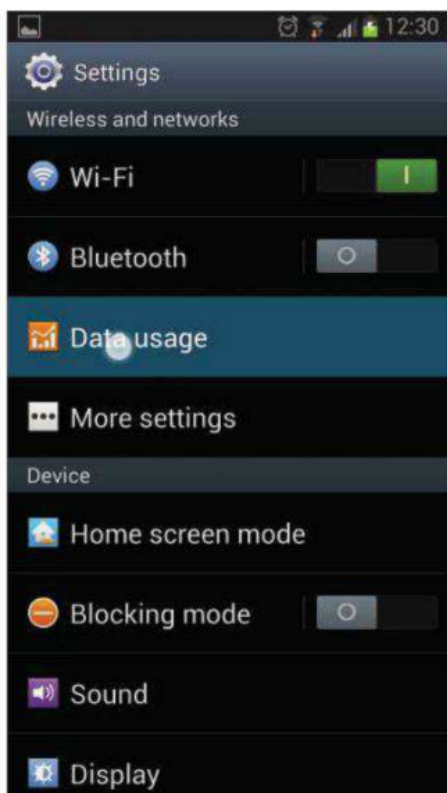
- ➔ The host computer must be turned on.
- ➔ The host computer must not be in sleep mode or hibernation mode.
- ➔ The host computer must be connected to the internet.
- ➔ The LogMeIn service must be running on the host computer.

**Hint:** You can create and use multiple LogMeIn profiles. To use a different profile on your phone tap the phone's 'Menu' key. Tap 'Profile' and select the one you want to use.

- ➔ To access an online computer simply tap on its entry in the list.
- ➔ You may be prompted to enter access details depending on how you setup the computer when you added it to your profile. This may require either the computer's existing login user name and password (ie: what you'd use to login if you were sitting at the computer) or a specific access code. One again, you may check the 'Remember' box to save the login details if you wish.
- ➔ Tap 'Log In' to complete the process.

## How to use data management on your Samsung Galaxy

Samsung Galaxy devices have built-in data management tools so you can control just how much mobile internet data you consume using your 3G/4G tariff



Assuming you're not on an unlimited data plan, it can be useful to set a data limit in order to ensure you don't go over your tariff allowance and incur additional charges from your network.

### How to set a data limit:

- ➔ Open the 'Settings' menu.
- ➔ Tap 'Data usage.'
- ➔ If it's not already enabled, tap the 'Mobile data' checkbox to switch on your data connection.
- ➔ Check the 'Set mobile data limit' box.
- ➔ If a pop-up appears, tap 'OK.'
- ➔ You can now drag the red bar to set a data limit in megabytes (MB) or gigabytes (GB).

You can also set the orange bar to give you a warning when you reach a certain point of usage. When your usage meets the red bar limit your data connection will automatically switch off.

**Hint:** Below the graph there's a selection of apps sorted in order of which you use the most (data wise) and showing how much data you have used in a given time period.

- ➔ You can tap on individual apps to get a more detailed view. Some apps may be primarily based around syncing background data, such as email or social networking apps, and these can make data control tricky.
- ➔ Within each app's detailed report you can individually toggle the 'Restrict background data' box to ensure these apps only use data when you actively use them.

### Top Secret Tip

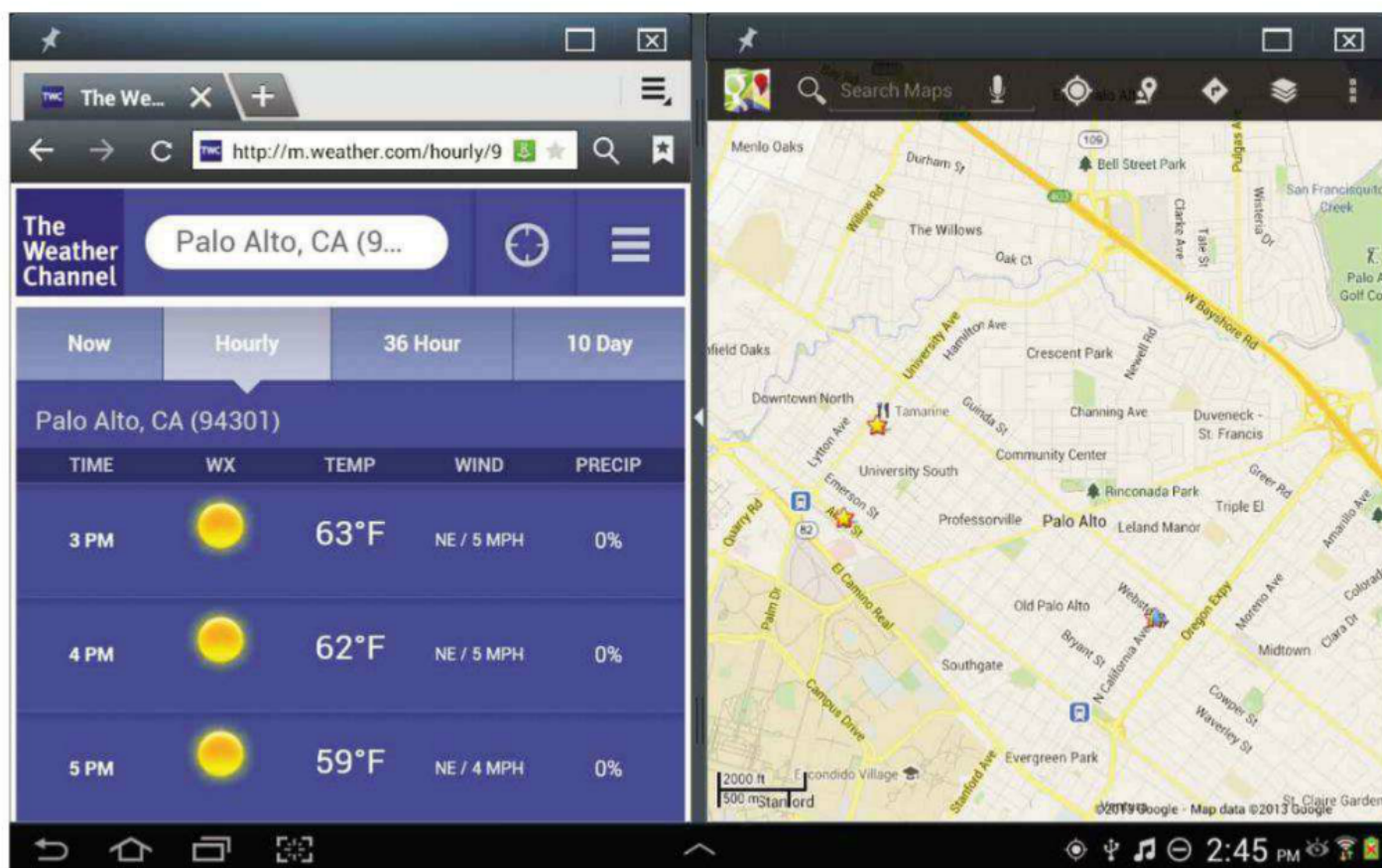
You can add a number of shortcuts to your Samsung Galaxy device using the accessibility menu.

You can opt to hang up or end a call just by tapping the power button. To do this, head to Settings > Accessibility > Call answering/ending and choose 'The power key ends calls' option.

From this menu, you can also choose to have the home button set up to answer calls more efficiently. Just select 'Answering key' from the same menu.

## Dual View

Samsung's Dual View technology adds to the company's multitasking tech that allows you to view two applications at the same time.



Using the multitasking window, you can drag and drop the application icon onto one half of the screen while you have another application open on the other side.

Both applications can run completely simultaneously. This includes video streaming, gaming, email and the browser – almost anything.

If you have S Note open as one of the applications, you can make notes, just as you would if it was the only app open.

You can build your own interface by resizing the size of the two windows. They don't have to be exactly half and half, you can make one much larger than the other to make sure the important information is clear in front of you.

If you're on a call, you can hold the call and go onto the other side of the screen to get information, whether you're trying to find somewhere to meet a friend, or browsing the web for more information on a business contact or company.

Say you're on a call with your boss and you need to pull up a presentation or Word document. You can use the S Pen to make notes on the document while you're on the call, close the document down and send straight to your boss via email while you're still on the call.

Samsung Dual View isn't available on every Samsung device though. It made its debut on the Galaxy Note 8.0 and you wouldn't want to use this feature unless the screen is big enough.



## Chapter 8

# Samsung S Features

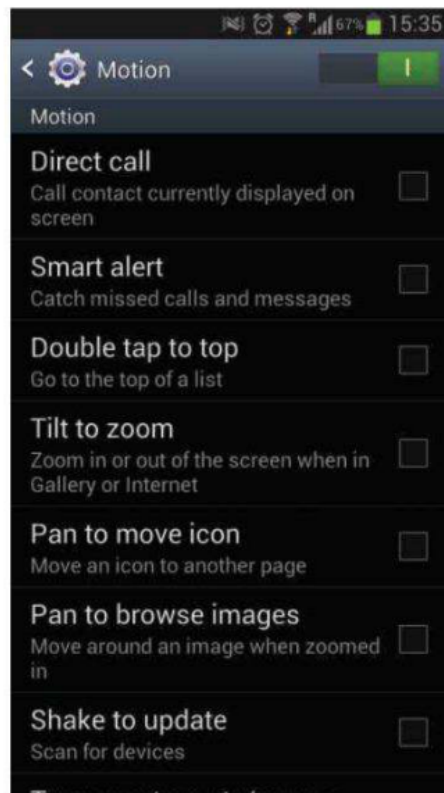
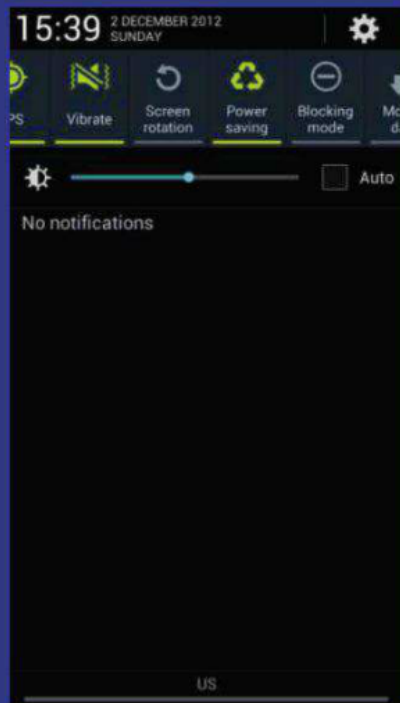
## S Features overview

A lot of amazing devices have already been launched in 2013 - the HTC One, BlackBerry Z10 and Sony Xperia Z, but Samsung's Galaxy S4 is certainly the standout so far. Why? It has Samsung's huge suite of S features, including many launched with the Galaxy S III last year.

Samsung's Galaxy S4 has built upon the S suite even further with S Cloud, Smart Pause, Air View and Air Gesture. They really must be seen to be believed.

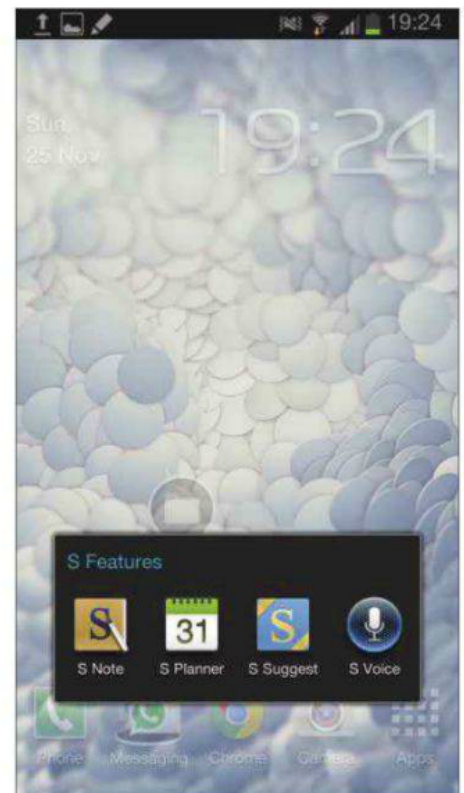
### Top Secret Tip

You can easily make your Samsung Galaxy's screen orientation lock however you're holding it. Simply pull down the notification bar and tap the screen rotation icon in the menu.



### Motion

- We're going to begin by mentioning the 'Motion' menu in the settings. While not S Applications, they're very cool Galaxy exclusive features. Direct Dial, for example, rings a contact automatically when you put the phone to your ear. Another is tap to top, scrolling to the top of any list you're viewing with little more than a double tap of the top of your Samsung Galaxy phone.
- There are many more of these, so hop over into your settings to see if they're available on your Galaxy. They'll all be under 'Motion' options where you'll find explanations and even diagrams if your phone supports them.



### S Features

- What we will explore in depth though is Smart Stay, the tech that keeps the screen on when you're looking at your phone. We'll also look at S Note, S Planner, S Voice and S Suggest - all part of Samsung's app suite.
- For all you Galaxy owners out there who don't have Samsung's application suite, fear not. We share our top social apps with you as well. Starting with Twitter and Facebook, we then move onto Google Talk and Skype, as well as other recommendations.
- So what are you waiting for? Turn the page! Your S Features journey has just begun.

## Smart Stay

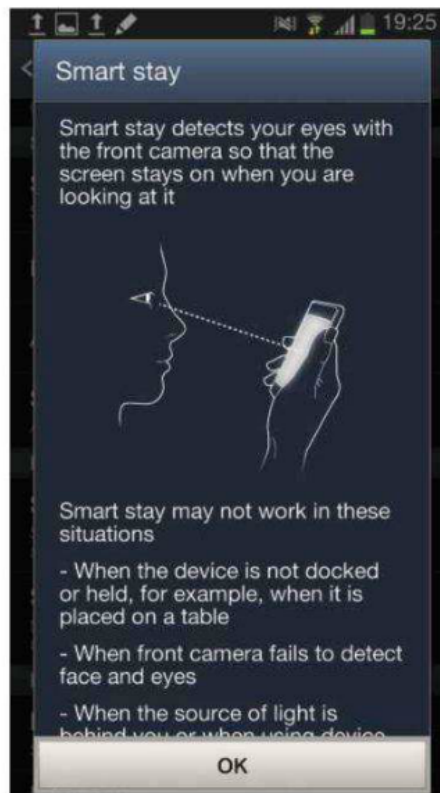
Smart Stay is Samsung's eye recognition technology. It essentially keeps the screen turned on while you're looking at it and then off when you're not.

### Top Secret Tip

Larger text can be nice on weary eyes, so it's pretty simple to expand the text on your Samsung Galaxy, whether you're using a tablet, phablet or smartphone.

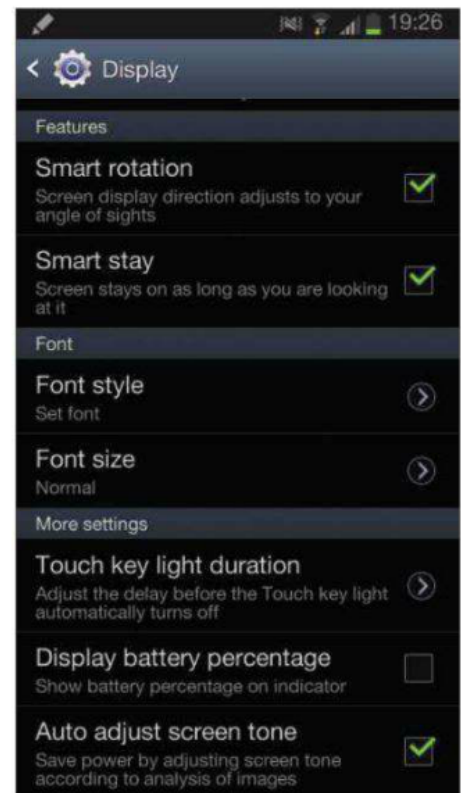
Go to Settings, click Accessibility and then select the size of text you require.

By default, the text size will be set to normal.



### How does it work?

- ➔ While we may call it wizardry for convenience, the science behind it is actually pretty simple to explain. Your Samsung Galaxy device's front-facing camera simply takes a peek at your face every time it's about to dim the screen and send your phone to sleep. Mapping your face and, more specifically, your eyes, the phone manages to work out whether your eyes are open and you're staring at your phone or tablet.
- ➔ Available on most mid to high end Galaxy devices released post-S III, Smart Stay can be hit or miss, but if it works with your eyes, it's definitely worth using - saving you time tapping the screen to stop it sleeping and unlocking your phone unnecessarily.



### How do I turn it on and off?

- ➔ Despite being easy to activate, Smart Stay isn't immediately obvious to locate in the settings menu. Rather than being thrown into the 'Motion' options we mentioned earlier, as it has nothing to do with motion Samsung has opted to put it in your 'Display' options.
- ➔ To access it, pull down your notifications bar and tap the cog in the top right. This takes you into 'Settings'. Scroll down until you find your 'Display' options under the 'Device' section. Tap it and you'll see within the 'Smart Features' section, the 'Smart Stay' option. Check the box next door and you'll activate it, turning your Galaxy handset's front facing camera into a watchful eye that knows exactly when you're looking.

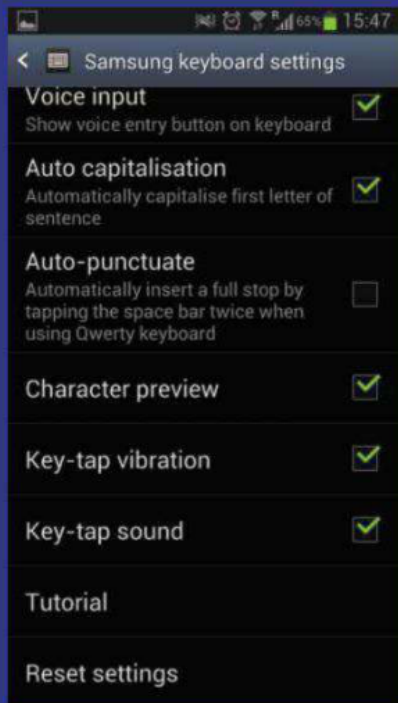
## S Note

If you have a device from the Samsung Galaxy Note range, you'll have S Note. It allows you to make notes, add pictures and more using the stylus, which you'll find neatly tucked into your device's casing.

### Top Secret Tip

The virtual keyboard on your Samsung Galaxy is pretty good but we don't always need to hear it.

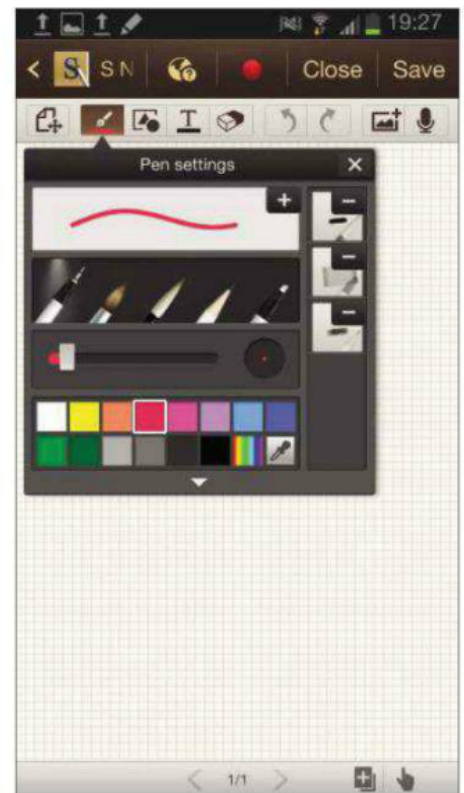
To turn off the keyboard sounds, go into 'Settings', tap on 'Language and input', click on your keyboard settings (for whichever keyboard you're using) and then deselect 'Key-tap sound'.



Samsung really helps you get the most out of its devices by including a few key apps on your Galaxy phone out of the box, with S Note definitely being the most Galaxy Note-centric out there with its intuitive interface, Notebook keeping file organisation and versatile input options.

### Creating a Note

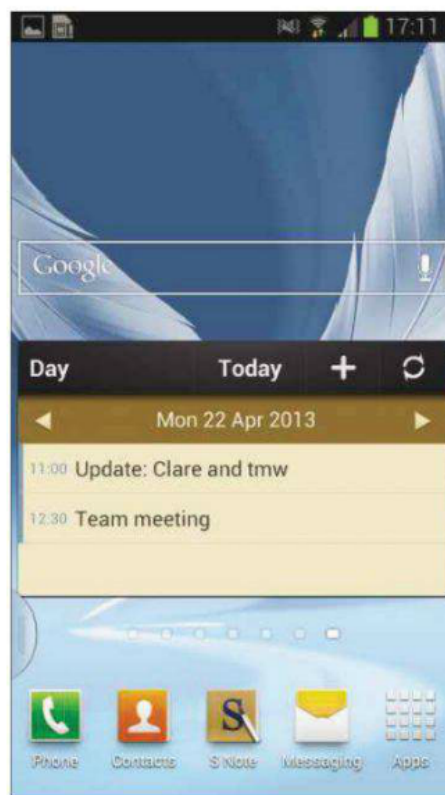
- To start your S Note experience tap the app icon and you'll be presented with a number of sample folders. Inside these folders are notebooks, and this main menu is where you can create your own notebooks.
- How? Simply tap the plus icon in the top right-hand corner of the S Note screen. There are a range of templates you can choose from for your note ranging from lined paper, squared paper and a meeting note layout right through to a travel diary or a birthday greeting.



- Once your template is opened up, you're taken straight into edit mode. Here you can draw directly onto the page, make your note and be done with it. If you want to dabble though, you can change your pen thickness, insert images, text and even voice recordings. If you want to change the background to match your note, you can also do this at any point without affecting your handiwork.
- The number of options you have will depend on the version of S Note you have, but if you're the proud owner of a Samsung Galaxy Note 2 or 8.0, you'll even be able to go so far as entering formulae and S Note working out the answer.
- We're not even done extolling the virtues of S Note. With your Note created and ready for export, tap your options button, select 'Export' and you'll be able to save your note as either an image file or a PDF to enjoy on your device or share.

## S Planner

Although many aren't keen on Samsung's TouchWiz interface, the S Planner app and widget is one of the features we couldn't live without. It's a calendar app that brings in all calendars from different accounts and will keep you up to date no matter what.



### S Planner - App

- ➔ Located in your application drawer, S Planner will be the default choice for any calendar activity on your Android. This means it will open when you open it or when you interact with another app that uses your calendar.
- ➔ Once open, the S Planner application contains a number of key elements up at the top. To jump to the present day, just tap the 'Today' icon. If you're looking to toggle which calendars are displayed, tap the 'Calendars' icon. The '+' icon is where you should head when you want to add an event.

- ➔ Perhaps the most fantastic button in the entire S Planner app, and the one that won our hearts, is the unassuming arrow in the top right. Tapping it is so powerful that it moves the entire screen to the left in order to reveal tabs - wonderful, organised tabs. With year, month, week, day, list and task view.
- ➔ S Note's also a social beast, pulling in all your Facebook birthdays if you let it, so you needn't forget a single one. If you've got a Note 2, you can even write handwritten birthday wishes on your friend's wall on their special day.

### S Planner - Widget

- ➔ As we mentioned, it isn't just the S Planner application that trumps the majority of Androids out there, it's also the S Planner widget. With two available, you can drop a task list of events onto your home screen with the 'S Planner (Mini Today)' widget, but it's the 'S Planner (Month)' widget that won us over.
- ➔ This big, bold, beautifully clear calendar widget deploys a month view across one full home screen. Each day displays a snippet of your activity and can be clicked through to access the full application. So simple and yet so very good.

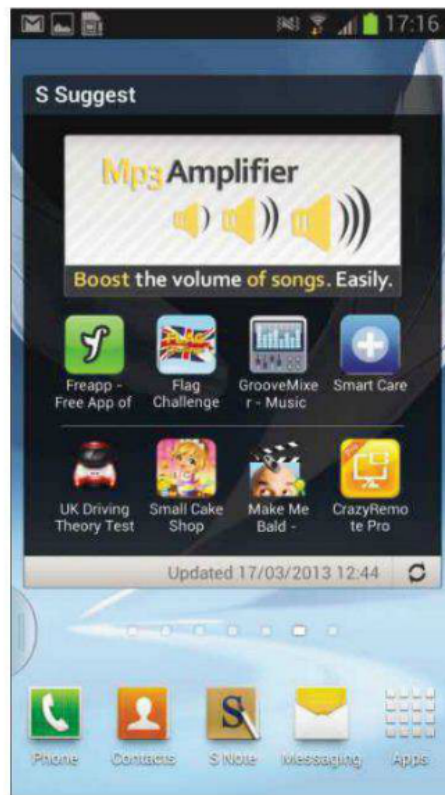
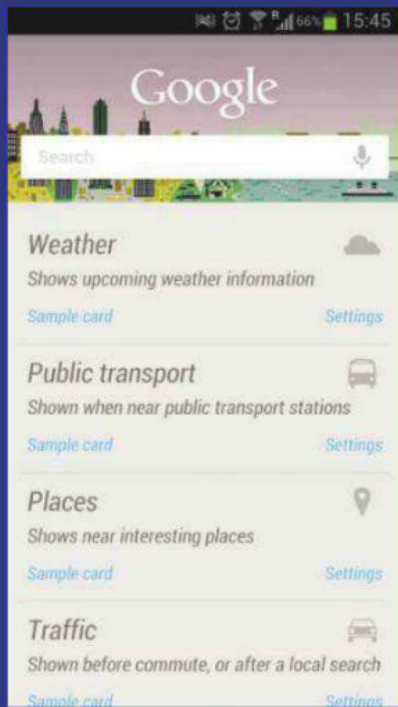
## S Suggest

If you're desperate to try out and download some new apps, but have no idea where, head to our must-have 50 apps section on p67.

If you still want more inspiration, check out Samsung's very own app recommendations with the S Suggest widget that sits right on your home screen.

### Top Secret Tip

Google Now is the company's next-generation search engine. It tries to show you the information before you even know you need to search for it. Crazy, huh? It's not perfect, but if you want to give it a try on your Galaxy, simply hold any of the bottom menu buttons (Back, Home or Multi-task) and then slide your finger to the top of the circle toward the Google logo.

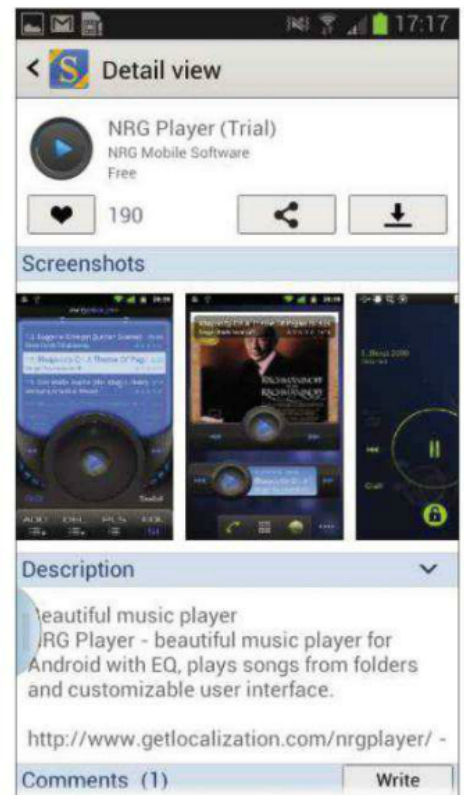


### What's S Suggest?

- If the Google Play store is a supermarket, think of S Suggest as a boutique. Curated to save you time and headaches, Samsung suggests applications well suited to your specific device.
- If you have a Samsung Galaxy Note phone or tablet, for example, start up S Suggest and the start screen will have a big old section dedicated to S Pen apps.
- If you want to dig deeper though, you can with ease. Up at the top of the S Suggest screen is a horizontal scrolling bar. With 'Picks' being the start screen, you can also view apps by 'Categories,' 'Games,' 'Friends,' 'Info' and 'Exclusive'

### Picks

- If you just want a handful of apps for your device, you needn't venture beyond this start screen. With at least 50 apps accessible, it provides a perfect smorgasbord from which to populate your Galaxy.



### Categories

- There's a broad range of categories in S Suggest, just like the Google Play store. What's fantastic about S Suggest's categories though is the obscure categories you won't find collated in the Google Play store. These include 'Kids' to keep your little tech heads entertained and 'Decoration' for anyone who likes to personalise their phones and tabs to the max.

### Games

- In much the same way 'Categories' presents multiple categories of apps, so too, 'Games' presents categories of games. All games are pretty much guaranteed to work on your Galaxy. There are even games exclusively free to S Suggest.
- With new apps out every day, there's even an S Suggest widget you can drop onto your home screen. You need never be behind the curb, whether you make a point of dipping into the S Suggest app or not.

## S Voice

Despite voice activation being present on mobiles for more than a decade, it's only of late that it's hogged the limelight once more, becoming a key selling point for the Samsung Galaxy range.

As a direct competitor to Apple's Siri, you'll find this a lot more useful and accurate.

### What is S Voice?

It's a voice assistant. Most reliably, you can always depend on S Voice for weather information. Want to make a call or a text? Once more, you can depend on S Voice. It will even open an application with little more than a few choice words and search the web.

### Activating and Setting up S Voice

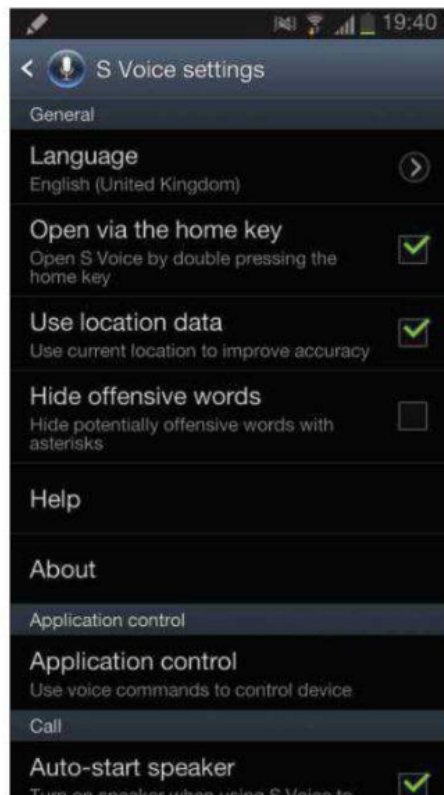
A double tap of the home button of your Galaxy device will turn on S Voice's ears. Before your words can have any effect though, you have to go through a quick setup process. This begins with a step-by-step guide to using the application. Filled with illustrations and useful tidbits, it should give you everything you need to get going.

After activation, S Voice can be opened with either a double tap of home button or an assertive "Hello Galaxy". This wake up command will work from the lock screen and can be customised to a phrase or word of your choosing.

### Top Secret Tip

Instead of having to click through to the 'Settings' icon, you can always reach the 'Settings' menu by pulling down the notification bar and then clicking on the 'Settings' icon in the top bar. It's the one that looks like multiple dials, and will take you there no matter what app you're currently in.

You can also instantly turn on/off some features, such as Wi-Fi and GPS.



### What commands work with S Voice?

If you want to know if S Voice works with your accent and intonations, ask it the weather. This seems to be the fail safe request when posing a question to Samsung's PA. With full access to the web, you can also use S Voice to search for anything by beginning your question with a "search for". Some other S Voice commands include:

- "Call [contact name]" - Dials a contact
- "Text [contact name, message content]" - Sends a text message
- "Look up" [contact name] - Finds a contact in your phone book
- "Search [query]" - Searches Google
- "Navigate to [place of interest]" - Activate GPS and Google Navigate
- "Memo [memo content]" - Write a memo
- "New event [event name, date, time]" - Create an event in S Planner
- "New task [task name]" - Adds task to your task-list
- "Twitter update [tweet content]" - Updates your Twitter status
- "Open [application name]" - Launches an installed application
- "Set alarm for [time]" - Sets alarm
- "Set timer for [duration]" - Sets timer
- "Weather (sample "What is the weather for today?)"
- "Turn [Wi-Fi/ Bluetooth/ GPS] on/off" - toggles connectivity setting



## S Pen

We've already described the mighty S Pen as the next evolution of the Stylus and here is where you'll see why. Speaking of evolution, it makes sense to give you a bit of a history lesson as to just how far this little piece of plastic has come.

### The Samsung Galaxy Note

We first laid eyes on the S Pen when we got our hands on the original Samsung Galaxy Note. It was the first precise form of pen input for capacitive screens and it blew our minds. We were sold, especially when combined with the ample 5.3-inch screen.

### The Samsung Galaxy Note 10.1

Next there was the tablet. The Note 10.1 brought S Pen prodding to 10.1-inches of Galaxy along with a whopping 1024 levels of pressure sensitivity. This means, in a drawing app for example, the harder you press on the screen, the thicker the line you draw.

### The Samsung Galaxy Note II

The Samsung Galaxy Note II delivers the same incredibly sensitive screen along with a stunning, 5.5-inch HD display and a quad-core processor. It's also loaded with Samsung's Smart Features making it stand out from the crowd even more.

Samsung added Air View to the Samsung Galaxy Note II, allowing you to simply hover over the screen to see previews of certain content, including SMS messages, full size photos in the gallery, email previews from the email listings screen and extra information about appointments in the S Planner.

### The Samsung Galaxy Note 8.0

The Samsung Galaxy Note 8.0 is the most advanced Galaxy phablet yet and the renewed S Pen features add yet more functionality to the device.

With an eight inch screen, the features are more manageable to use than on the 5.5-inch Note II, but don't rule the Note II out if you're looking for a phone as well as a tablet!

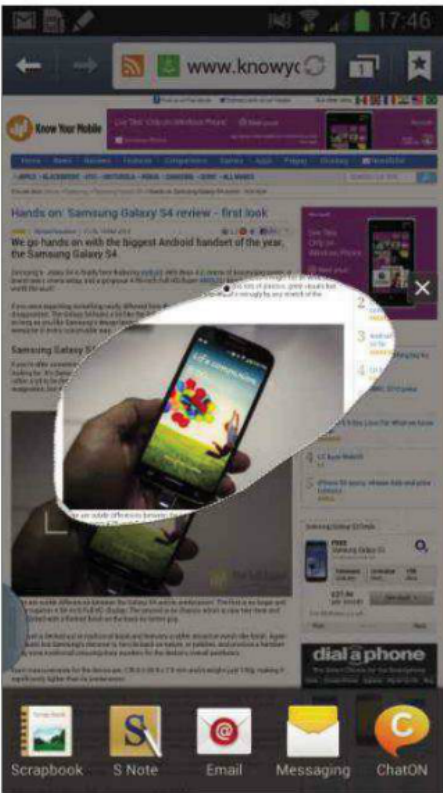
When you remove the S Pen from the device, it will automatically launch Pen Detection that suggests menus it thinks you'll need and Page Buddy, which activates your most recently adapted S Note home screen.

S Pen Gesture allows images and content to be easily edited and cropped, whilst Paper Artist and Photo Note allow photos to be touched up with accuracy.

In addition to the same hovering Air View function so you don't even have to touch the screen with the S Pen, the Galaxy 8.0 adds the ability to control the physical menu and back buttons on the device.

# Drawing with the S Pen

The Samsung Galaxy Note range is loaded with the S Planner application. It's a fantastic tool for drawing and takes advantage of the Galaxy Note 2, Note 10.1 and Note 8.0's pressure sensitivity. There are a range of brushes to choose from and both handwriting in S Note and doodling are a breeze.



## Writing with the S Pen

The Galaxy Note range doesn't just come with souped-up styli – oh no. Their keyboards also support handwriting recognition thanks to the precise S Pen. With the stock keyboard set to default, just tap a text entry field while the stylus is un-mounted. This should start up the keyboard in handwriting mode. Failing that, just type the 'T' in the bottom left-hand corner of the keyboard.

**Top Secret Tip**

You can launch any app using Quick Commands with the S Pen. Just press the stylus button, swipe up the screen and the Quick commands box will appear. Enter the character you pre-set in the S Pen settings.

## The S Pen button

Each S Pen has a button on board. This is another reason it's so much more than just a stylus. With the button held down, for example, draw around an object and you'll lasso around it. The result will be cropped and copied to your Note's clipboard.

The button can also pull up a quick memo with a double tap when held down as well as activate a range of gesture initiated inputs. Add to this extremely accurate handwriting recognition and there's little more we'd think to ask of this mighty piece of plastic.

## Airview

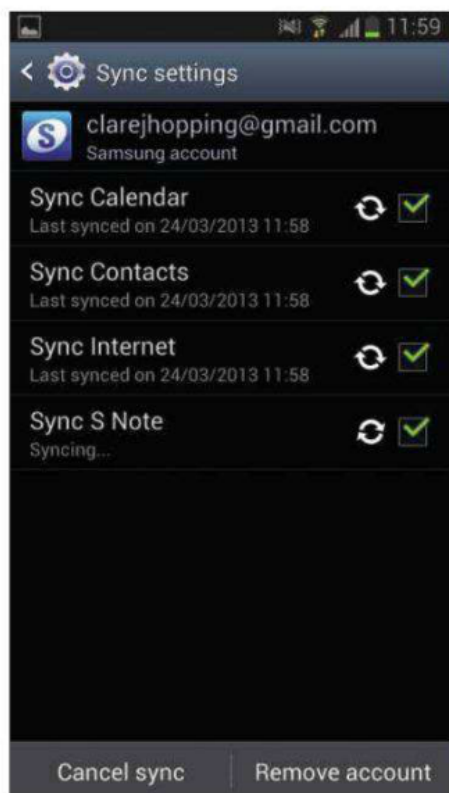
With the introduction of the Samsung Galaxy Note 2, the S Pen also grew wings and learnt to hover. This means, without even touching the screen, new Galaxy Note devices know the S Pen is near and they produce specific information around this hover – or Air View as Samsung calls it.

An example of this would be in your email client. When in the inbox, a simple hover over one of your message previews will pop up a window and show the remainder of the message.

This also works in the S Planner application, gallery and video player to name a few. The truly fantastic, time-saving thing about Airview is that it doesn't open apps and windows it previews completely, it just gives you a peek into them, saving you going back and forth between applications.

## S Cloud

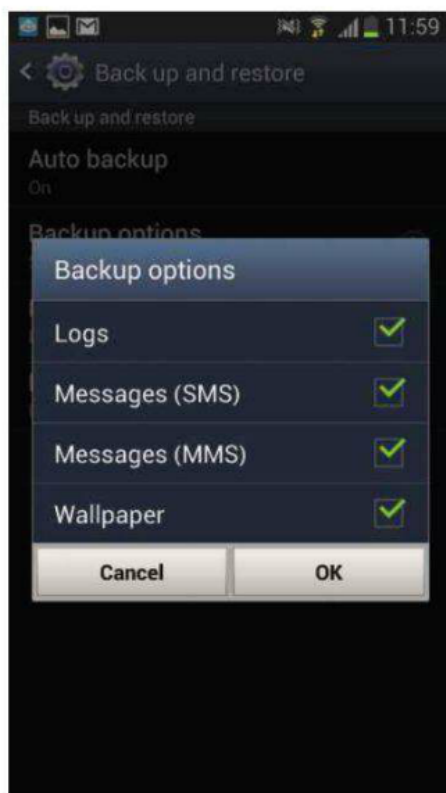
Samsung offers its own cloud service for backing up, synching and restoring data without the need to plug your phone into Samsung Kies.



To use Samsung Cloud, you'll need to head to the settings menu and select Cloud from the personal section. Now, choose 'Add account' and you'll be asked to sign in or add a new Samsung account.

If you want to add a Samsung account, you'll need to enter your email address, name and come up with a password. You'll be sent an automated email with a link you'll need to click on before being redirected to the S Cloud application.

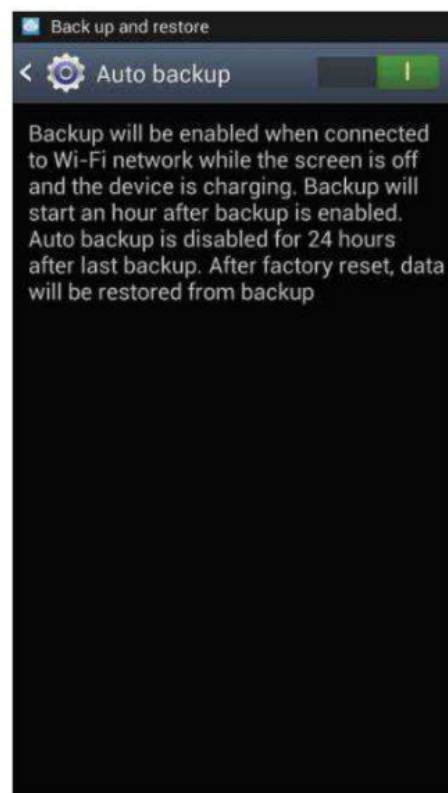
Once you've signed in or added an account, you'll



be asked what you want to sync – this can include calendar, notes, MMS and internet preferences too.

You can now choose whether you want the service to backup automatically or manually. Select exactly what you want to back up. It can include your logs, SMS Messages, MMS messages and wallpaper.

If you would prefer to manually back up your data, you will be asked to confirm you wish to overwrite existing data. Don't be afraid to do this – as long as you leave your phone alone while updating, you will



not lose data.

It's important not to interrupt the updating process at all, so leave your phone alone while it's backing up or restoring. Go and make yourself that well-earned cup of tea while you wait!

If you choose automatic backup, your phone will backup your data every 24 hours, but only when charging, when the screen is off and when connected to Wi-Fi. It's an ideal solution if you tend to charge your phone overnight.

## Samsung Hub AKA: Samsung Recommends

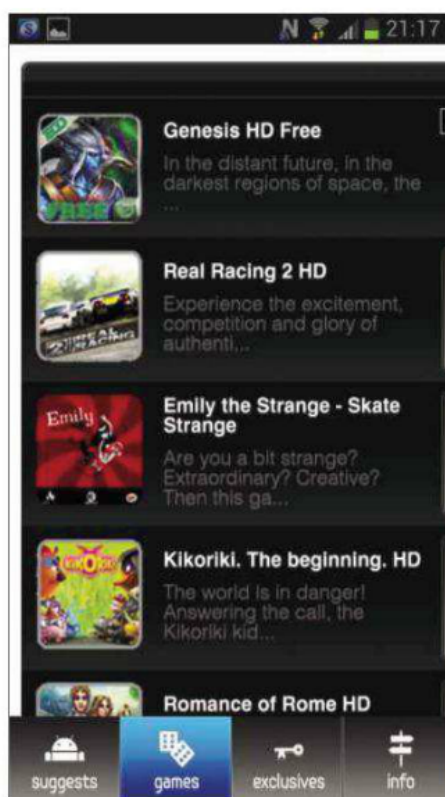
If you've ever opened up Google Play and felt slightly overwhelmed by the selection of applications and games then the Samsung Hub, an app and game curator, is just what you've been looking for.



Available for free, Samsung Hub attempts to list all the latest and greatest applications, games, and content currently available via Google's Play store.

It's a curator service aimed at singling out the best of Android's 600,000-plus applications and games.

Samsung Hub features links to exclusive content only available on Samsung devices as well as a Top 40 Chart of the all best apps and games currently available on Android.



It's laid out simply with just four main menus: Suggests, Games, Exclusives and Info. If you love discovering new applications, games, and content then Samsung Hub is a definite must-have.

There's always something new inside the Samsung Hub – content, titles, games and apps all hand-picked for you by Samsung.

Use it in conjunction with Google Play to always ensure you're running the best titles.



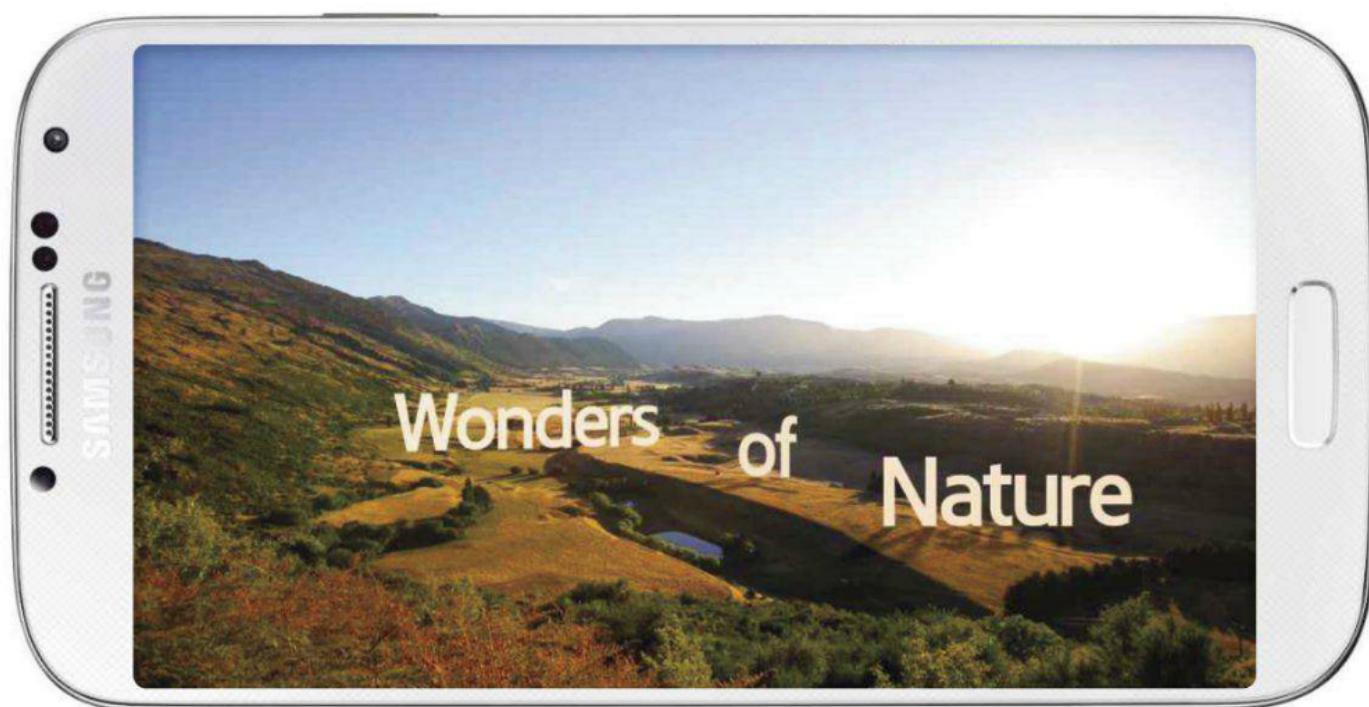
### Top Secret Tip

With TouchWiz you can create your very own fully personalised EQ settings. Everybody's hearing is different, so why not find the sound that's right for you?

To do this: tap Menu > In-call Sound EQ settings > Personalised EQ. Make sure your headphones are plugged in then run the test. Once done, close the application, open the dialler and call somebody. Call quality sound will be much better.

## Samsung Smart Pause

Like Air Gesture, this one's a bit futuristic – it may even shock you. Smart Pause is designed to create an even more seamless video experience aboard the Galaxy S4 by checking to see if you're paying attention. Confused? Read on to find out more...



### Best video apps for Galaxy S4

With its 4.99-inch Full HD 1080p display, the Samsung Galaxy S4's display is one of the best in the business – it makes the iPhone 5's look practically archaic. TV, Films, even YouTube looks great blown up on its HD panel. So, to help you get the most out of it, we've listed some of the best video on demand (VOD) services available on the Android platform.

- **Netflix** – It's the biggest VOD service in the US, and now it's available in the UK. Ditch your Sky TV subscription and sign up for Netflix – there's films, TV, drama, documentaries, comedy and cartoons. The works.
- **BBC iPlayer** – you pay for a TV licence, so you might as well make the most of it.
- **LoveFilm** – like Netflix, just owned by Amazon. Excellent selection of films.
- **4OD** – catch up on all the latest Channel 4 shows.
- **Viewster** – VOD service that lets you view things offline – that's a huge USP.

Building upon the Galaxy S III's Smart Stay, the Samsung Galaxy S4 knows what you're doing and intuitively moves along with you, automatically scrolling up or down emails or websites when you tilt the phone from one side to another.

Its Smart Pause feature ensures you'll never miss a video moment – whether you're watching *Paranormal Activity* and are too scared to look, or you look away to grab a tissue while viewing a real tear-jerker.

Whenever you look away, the Samsung Galaxy S4 makes sure to pause whatever you're watching, so you don't miss anything.

Amazingly, Smart Pause resumes where you left off when you look back at the screen again. It's pretty innovative stuff.

## Air View and Air Gesture

With Air View and Air Gesture you can operate your Samsung Galaxy S4 without even touching the display. Using sensors the Galaxy S4 can detect the movements of your hand or sense your finger hovering above menus. It's pretty impressive.



Air View allows you to control touch actions by hovering a finger over the display. Without touching the Galaxy S4's display, you can preview the content of an email, calendar, image gallery or video without even having to open it.

Air Gesture extends this functionality so you can change a music track, scroll up and down a web page or accept a call with a wave of your hand.

Samsung Smart Scroll allows you to scroll the browser or emails up and down without touching the screen. It detects your eyes and recognises the movement of your wrist, then scrolls the pages up or down accordingly.

Air View makes it faster, easier and super-convenient to enlarge content and photos, preview emails and speed dial all with your finger barely hovering over the screen.

The future has literally just happened.

### Top Tips For Air View and Air Gesture

Get the most out of Air View and Air Gesture with these helpful hints and tips:

#### Air View

- ➔ **Preview calendar events** – hover over a date to see details of the event.
- ➔ **Preview Images** – hover your finger over a gallery folder to see what's inside.
- ➔ **Email** – read the contents of an email without ever opening it, just hover over the message and let Air View do the rest.
- ➔ **Flipboard** – preview articles in Flipboard using AirView.
- ➔ **Video Timeline Preview** – hover over a video's timeline to see a preview of what's to come.
- ➔ **Preview Texts** – with Air View you can see the contents of a message without opening it.

#### Air Gesture

- ➔ **Re-arrange Icons** – hold an icon and gesture left or right with your hand to move it.
- ➔ **Switch Browser Tabs** – Flip through tabs without ever touching the display.
- ➔ **Gallery** – browse pictures and videos by gesturing right or left with your hand. Air Gesture works even if you're wearing gloves!
- ➔ **Accept Calls** – say hello to somebody by gesturing either left to right. Simple.
- ➔ **Set timer for [duration]** – Sets timer.
- ➔ **Weather** – "What is the weather for today?"
- ➔ **Turn [Wi-Fi/ Bluetooth/ GPS] on/off** – toggles connectivity setting.

## Group Play

Group Play allows multiple users – friends, family, and coworkers – to view content at the same time across a range of Samsung devices.



This innovative feature enables you to connect directly with others to share, play and co-create content and entertainment instantly. Its 'Share Music' option means you can have the same song playing on multiple phones in sync to create the best party atmosphere.

But it's not just designed for music. You can also share documents and photos using Group Play. The new software also supports multi-user games as well, opening up myriad of gaming possibilities for you and your friends.

Why not connect via DLNA to a Samsung SmartTV and play console-like gaming titles? At a house party with a few fellow Galaxy users? Pair your

devices together and create your own private party.

Once you've linked a selection of Galaxy devices together, you can assign one as the controller device and apply settings to the other devices acting as speakers. Change channels, even apply Surround Sound – it's all there in Group Play on the Galaxy S4.

Group Play launched on the Galaxy S4 but is expected to come to most Galaxy-brand devices and tablets at some point in 2013.

Group Play can also be used as a great office tool, so if you're an IT Manager or running a small start-up business, perhaps it's time you looked at getting

everybody in your organisation a Galaxy device?

Imagine the possibilities: workers could share documents with one another; in meetings there would be no need for a projector; Images and briefs could be previewed/edited by all staff members – you get the idea. With Group Play, the possibilities and experiences at your disposal are endless –and there's new functionality being added every day.

With Group Play, sharing content and multimedia has never been easier. Having the ability to connect multiple devices for multi-player gaming is still our favourite aspect though!

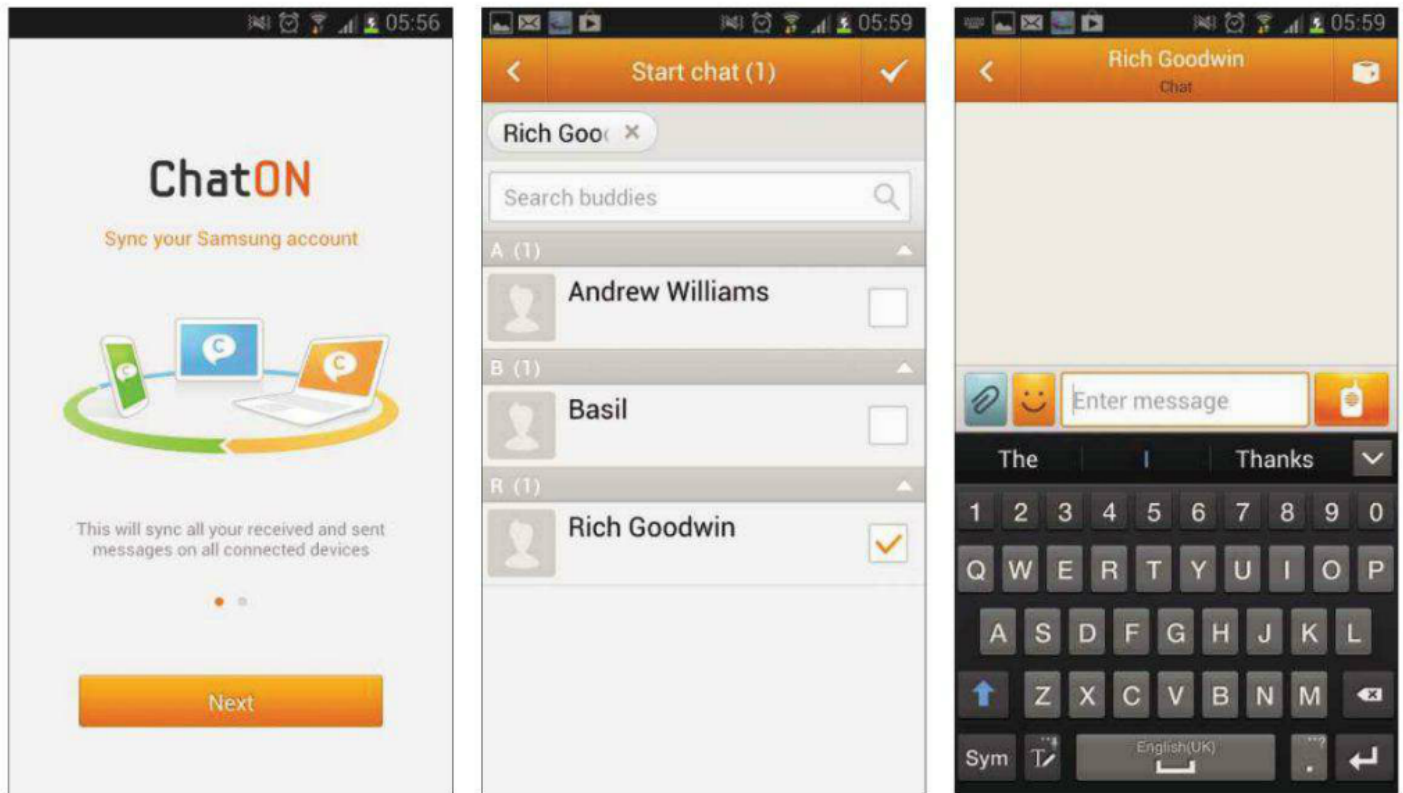


## Chapter 9

# Social

## Samsung ChatON

Samsung's chat app, ChatON, is pre-installed on all Galaxy smartphones, but the newest update brings it bang up-to-date with many of the free messaging apps out there such as Whatsapp.



You'll find ChatON in your apps list and probably sitting pretty as a default lock screen shortcut too.

When you first open it up, ChatON prompts you to enter your phone number, then goes on to verify that you are indeed you by sending you an SMS message. Once verified, you'll be treated to a list of all your contacts registered on ChatON (the app will extract your contact's phone numbers from your phonebook and cross reference these with registered ChatON users) and you can then get to group talking with anyone at your will.

To do so, just press the menu button on your Galaxy device. The second option should read 'Add group'. Tap that, enter a group name and fill in who you want to be privy to a group invite.

New features include the ability to voice call with one or more contacts over data, video call with one person, or share your screen if you want to show them a new app, game or feature on your Samsung device.

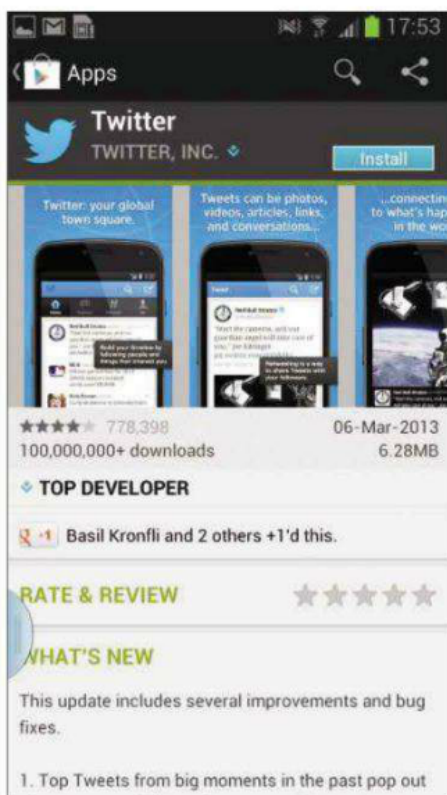
When you use screen share, three-way calling or video call, you can easily switch back to a singular voice call or back to SMS messaging in a couple of taps.

ChatON now works across all devices, whether your friends have iPhones, Windows phones, or even other Android devices.

You can take a look at our recommendations for other free messaging apps available from Google Play on p137.

## Twitter

140 characters took on a new meaning in March 2006 when the first tweet was published on Twitter by its creator, Jack Dorsey. Now with 500 million users, Twitter is an institution, integrated deeply into smartphones and tablets the world over, your Samsung Galaxy included.



### Installing Twitter and creating an account

- The Twitter app isn't pre-loaded on your Samsung Galaxy Phone out of the box, so to load it up you'll need to download it from the Google Play store. This simply involves opening up the Play store, searching for the Twitter app and hitting 'Install'.
- Once installed and opened, you'll need an account to get going. If you've already got one, just hit 'Sign in' and away you go.
- If you need to create an account, tap 'Sign up'. Fill out the fields required, including your name and email address. Perhaps the most important field to get right is your user name. That's what everyone on Twitter will see on your profile and have to type when they send you a tweet, so choose wisely.

### Twitter fundamentals

- You're ready and raring to tweet, user name or 'Twitter handle' chosen, account setup and profile picture selected. The next step is to add your friends. Fortunately, Twitter's one step ahead of you.
- You'll notice a pop-up asking if you want it to find your friends pretty much straight after you sign in for the first time. This entails the app scouring your address book, seeing which of your friends are on Twitter and then making following them as easy as possible.
- Friends followed, all that's left to do is get involved. Every time you startup the app, you'll land on your timeline. Here you can see what everyone you follow is tweeting.

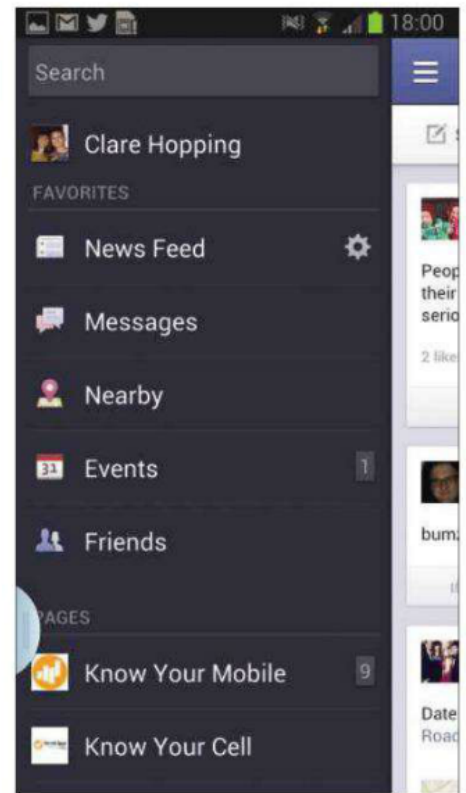
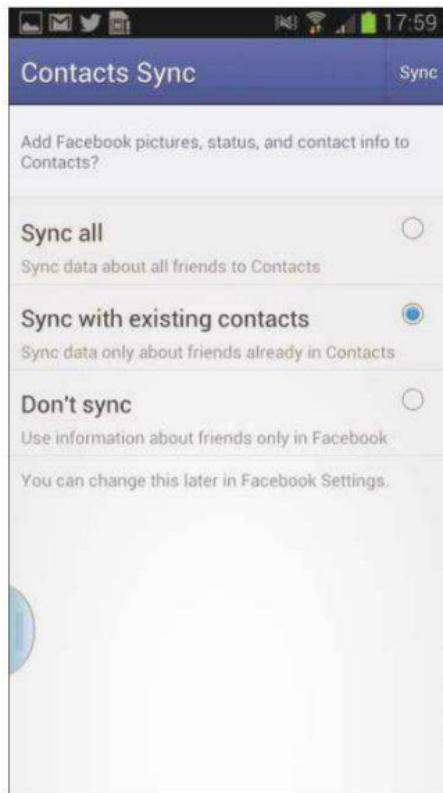
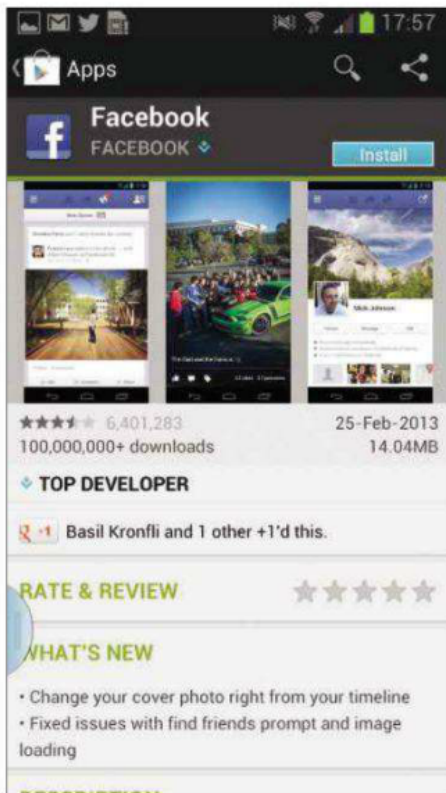
- The big '@' symbol up at the top of the screen will take you to all your mentions - instances people have tweeted about you. The '#' next door is where you can discover new people to follow and the final tab, 'Me', is where you can find all your tweets and direct messages.

### Top Secret Tip

To pause a video or song while it's playing without tapping any buttons, put your palm over your Galaxy device and the media will cease.

## Facebook

If you thought the 500 million users on Twitter was an impressive stat, Facebook has more than 500 million active mobile Facebook users. Across phones, tablets and computers, the tally exceeds 900 million users. With Facebook clearly being the socialiser's smartphone 'industry standard', it makes sense to give you a few tips on setting up the big F too.



### Installing Facebook and creating an account

- ➔ Facebook, like Twitter, won't be pre-installed on your Samsung Galaxy smartphone or tablet unless your network has taken the liberty of installing it for you. This means to get Facebooking, you'll have to hop over to your Google Play store once more, search for Facebook and install it.
- ➔ Once installed, you'll have to set up a Facebook profile or sign in if you've already got one. Facebook is a bit more comprehensive than Twitter so you might want to make your profile at your desktop.

- ➔ Once signed in, Facebook will try and sync some stuff with your Samsung Galaxy. Initially, it will give you the option to sync Facebook contacts with your phonebook, while other syncing items will depend on your tablet.
- ➔ If you have a Samsung Galaxy S III or Note 2, for example, you'll want to make sure you're connected to Wi-Fi. Why? The app will try and pull all your Facebook galleries to your phone's internal storage, whether mere kilobytes or megabytes. Older Galaxy devices needn't fear.

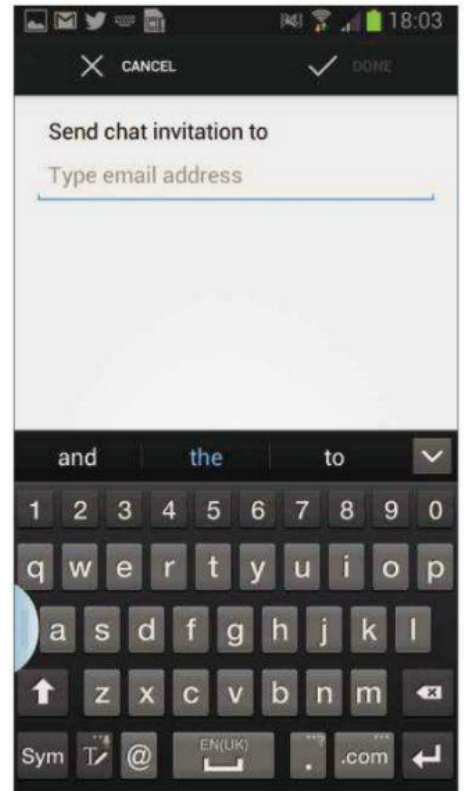
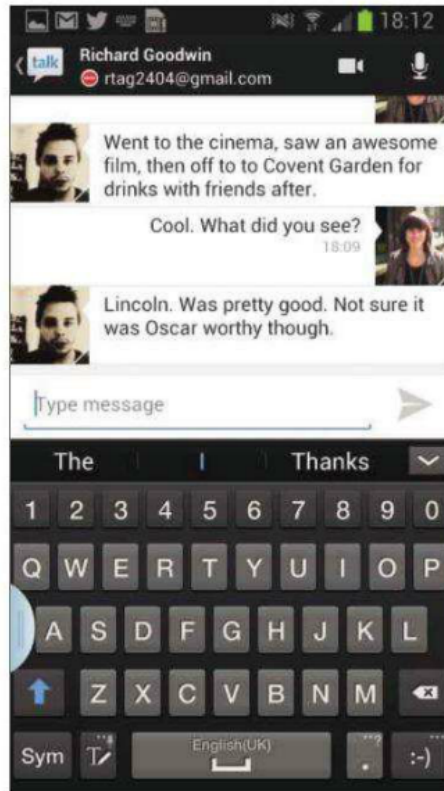
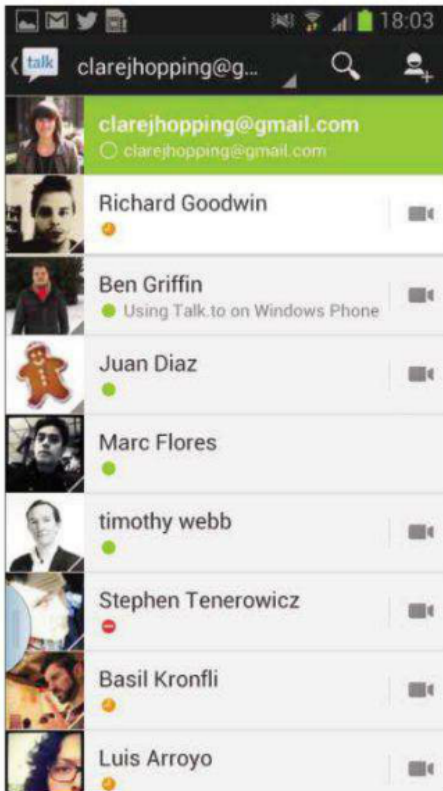
### Facebook fundamentals

- ➔ The Facebook app itself runs in a similar way to the website. It offers three main options up at the top of any given screen. These consist of friend requests, messages and notifications.

- ➔ For more options, just tap the three horizontal lines in the top left-hand corner. Here you can access everything to do with your mobile Facebook app, ranging from events and pages through to Facebook apps and even a search bar so you can find people with ease.
- ➔ If you want control of any of the Facebook settings in the future, just tap the menu button on your Galaxy when in the app. Select 'Settings' and you can change what syncs automatically.

## Google Talk

Google Talk is the instant messaging service pre-loaded on every Android device out there. That means if you've got a Samsung Galaxy phone or tablet, you've got Google Talk. Didn't know you had it? Just look for Gtalk in your applications list. See - told you it was there.



### Instant messaging

- ➔ Connected to your Gmail account, you won't even need to sign up to Google Talk to get chatting. Just open up the app and away you go. You'll immediately be presented with a list of your contacts who are also signed up to Google's instant messaging service.
- ➔ As with other services like Skype and MSN messenger, Google Talk allows you to set statuses, so you can appear available, busy or invisible. To change how you appear, on the main screen just tap your email address which will be at the top of your contacts list.

- ➔ To get Google Talk going, just tap on a contact's name and you'll be taken through to a chat window. Your contact's current status appears in the form of a coloured ball by their email address. Green means they're 'available', amber means 'away', red means 'busy' and if their profile picture is black and white, they're offline.

### Advanced features

- ➔ If you've got a list of a hundred or more contacts, scrolling through them can be a pain. However, thanks to the search function, you can jump to whichever friend you're looking for with ease. Just tap the magnifying glass in the top right of the app's main contact list.

- ➔ If you want to add a contact, it's just as straightforward. You'll see a '+' symbol next to the search icon. This will prompt you enter the email address of whoever you wish to add, after which they'll be sent a chat invite.
- ➔ Onto our final Google Talk feature - video calling. Just tap the camera icon next to the respective contact to initiate a video call request. Once they respond, Google chat becomes instantly richer, adding voice and video to its list of communication capabilities. You will need a Galaxy device with a front-facing camera for this last feature to work though.

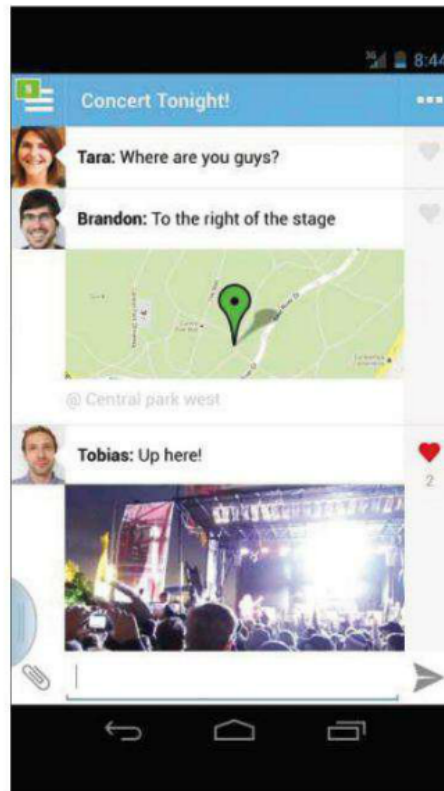
## Group Messaging

Samsung's ChatOn app is just one way to chat to your friends for free, but it isn't the only one - you can group message using quite a few free apps from the Play store. Whatsapp and GroupMe are our current favourites.

### Top Secret Tip

Bored of waking up with just a boring alarm? Why not set your Galaxy to read the weather, latest news headlines or your schedule for the day?

To set up the 'Briefing' setting on your Samsung Galaxy device, go to Clock > choose alarm and then head to alarm type, Select 'Briefing' and you can opt for exactly what you want to wake you up.



### GroupMe

- GroupMe allows you to chat with either one person, or a group of people already in your address book so you never need to remember a PIN number or usernames. You can share pictures, locations or even split a bill via GroupMe.
- You can chat on GroupMe using your data connection or Wi-Fi, so whether you're using a tablet, phablet or smartphone, you'll never have to pay to send texts to multiple people again. However, if you lose your data connection, the app will automatically switch to standard SMS so you won't miss a message even if you're out of data range.
- It's really easy to have a conversation if the group you want to message doesn't already have each other's numbers. With just a simple URL added to the messaging stream you can share the information and everyone will be chatting in seconds.

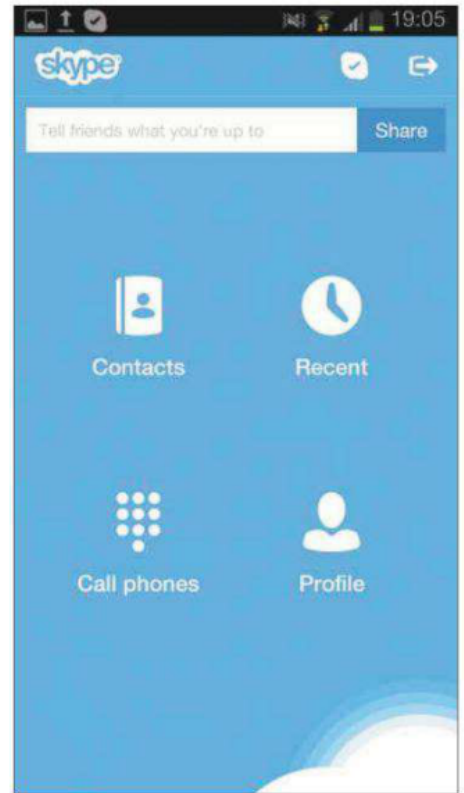


### Whatsapp

- The cross-platform messaging service Whatsapp is nice and rich like ChatOn, supporting group chats and sound and image sharing. It's also free for Android users, which always ups the appeal.
- Whatsapp requires you to register your number in much the same way as ChatOn. Once registered, the app scours your phonebook for contacts who are using the service already. Being such a popular service, you'll likely find most of your smartphone-savvy friends are on it already.
- Once signed up, setting up a group is a piece of cake. Just press the menu button while on the main screen, tap the 'New Group icon' and select the friends you want to group chat with. Once created, each group can have its own thumbnail and name, you can share files across the entire group and even leave the group when the conversation's over.

## Skype

So you can message for free with ChatOn, GroupMe and Whatsapp, but what if you want to make calls without using up your valuable inclusive minutes? Enter Skype: the world's favourite voice over IP (VoIP) application available cross-platform.



Typically associated with desktop, Skype has apps that work across all major mobile operating systems as well, Android included. With a tablet optimised app introduced towards the end of 2012, whether you're using your Galaxy S II, S III or Tab 10.1, you can get a polished experience with this free app.

### Top Secret Tip

Did you know many Samsung Galaxy devices feature a flashlight pre-installed, so you can find your way in the dark?

Just tap the 'Assistive Light' widget to switch on the camera's flash instantly.

### Installation and setup

- ➔ To get in on the Android Skype action, just search for Skype in the Google Play Store. The app is over 14MB, so you might want to make sure you're connected to a Wi-Fi network when downloading.
- ➔ If you don't already have a Skype account setup, you can make one on your Galaxy in a flash, or sign in with your Microsoft account. To create a Skype account, select the create account option from the startup screen. Enter a few details such as your name, email address and phone number, choose a username and password and you're ready to go.

### Navigating Skype

- ➔ Once signed in, the main screen gives you four main options: Contacts, Recent, Call phones and Profiles.
- ➔ Contacts is where you can search all your contacts and choose who to message, video or voice call. Recent is a shortcut to recent chats. Call phones is where you dial phone numbers using your Skype credit and profile is where you can amend your account details.
- ➔ You can change your settings by tapping the menu button, then selecting settings. To change your status, press the blob in the top right. Finally, when you're done with Skype and want to sign out, hit the exit button in the top right-hand corner. We'd recommend signing out to preserve your precious battery.

## People and top social apps

By now, you've got all the information you need to turn your Samsung Galaxy device into a social butterfly of a smartphone, but if you're looking to go a little deeper into the social side of your smartphone, check out these three apps...



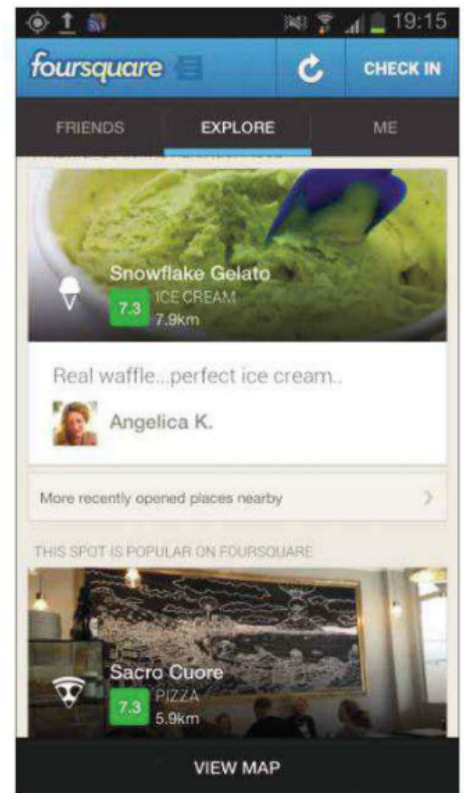
### Instagram

- ➔ Most phone snappers aren't a patch on dedicated cameras in terms of quality. A grainy out-of-focus shot might prevent you uploading it onto Facebook for fear of embarrassment, but you needn't be so self-conscious. Well, not if you've got Instagram loaded on your Galaxy, that is.
- ➔ Loaded with a range of filters that give every image a rustic edge, Instagram is the perfect solution for anyone with a sub-par pixel count. You can tweak contrast and add some faux depth of field to give even the flattest pictures a sense of dimension. Once done, upload to Twitter and a range of other social networks.



### Pinterest

- ➔ For the more voyeuristic image lover, Pinterest provides a platform to curate boards rife with images from around the world across a range of subjects. Once you've got an account set up, you can choose your areas of interest and the app will populate a home screen bursting with eye candy. If you want to leave it at that - browsing categories and pinning images to your boards - you can. If, however, you want to take it all a step further, you can easily upload and pin your own images in the hope others will deem them worthy of a precious re-pin.

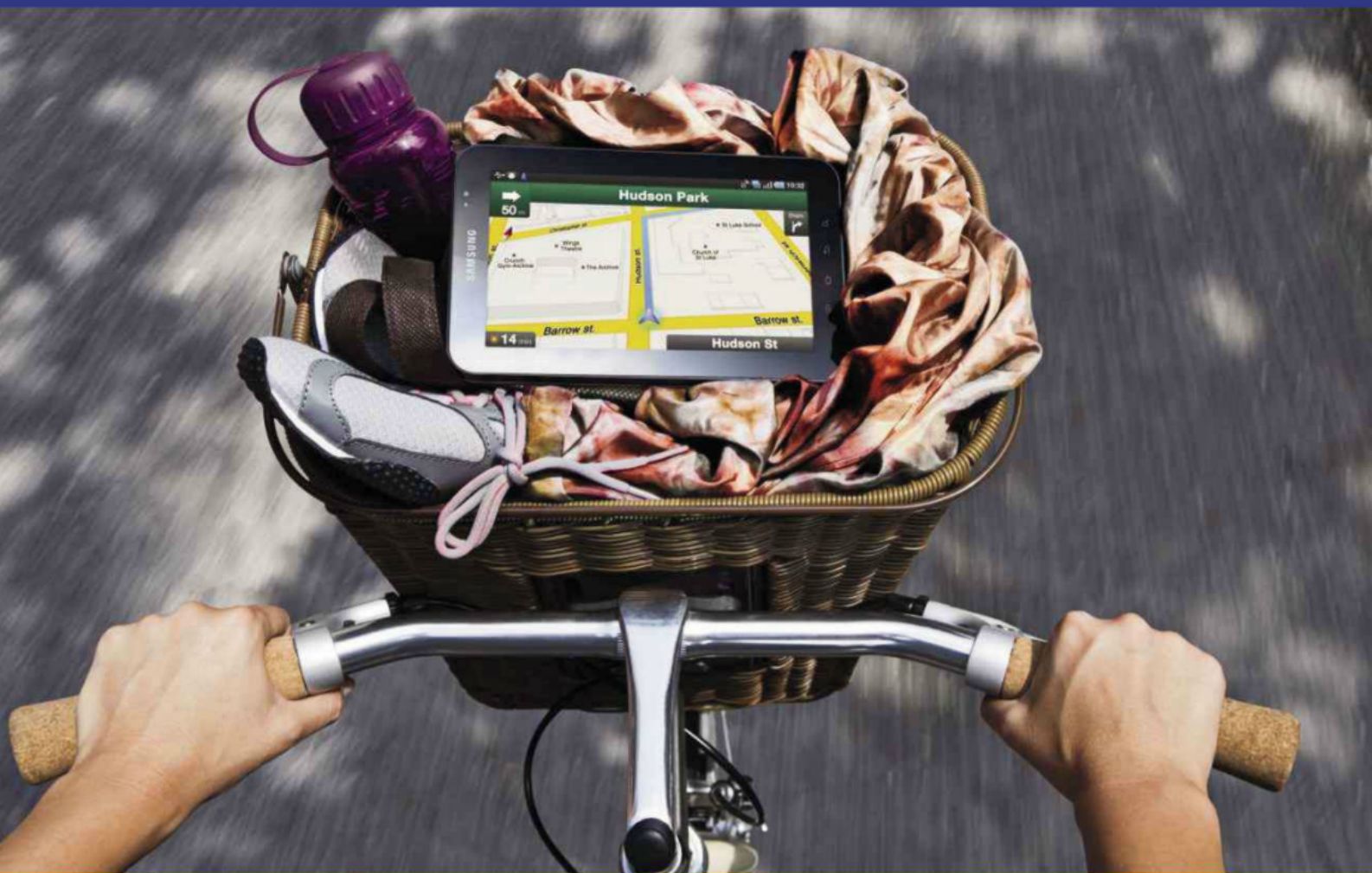


### Foursquare

- ➔ If pictures aren't so much your bag, but location-based services are, you should check out Foursquare. This app lets you check in to places and rate, comment or photograph them. So, rather than curating visuals, you curate venues. There's also a competitive element to the app as you can become the 'King' of places you frequent more than any other Foursquarer.

### Top Secret Tip

Turn the LED indicator alerts on or off by heading to Settings > Display > LED Indicator and choose which options you'd like to activate.



## Chapter 10

# Maps



## Google Maps Overview

As Android devices, all Samsung Galaxy smartphones and tablets come with the Google Maps application pre-installed.

Users must enable location data for it to work properly and although certain elements and services are available offline the majority will require a data connection either through Wi-Fi or 3G/4G on a data plan.

Google Maps supports free turn-by-turn GPS navigation for walking, driving and public transport. It also supports cycle routes, but this is currently in beta, so isn't necessarily bug-free.

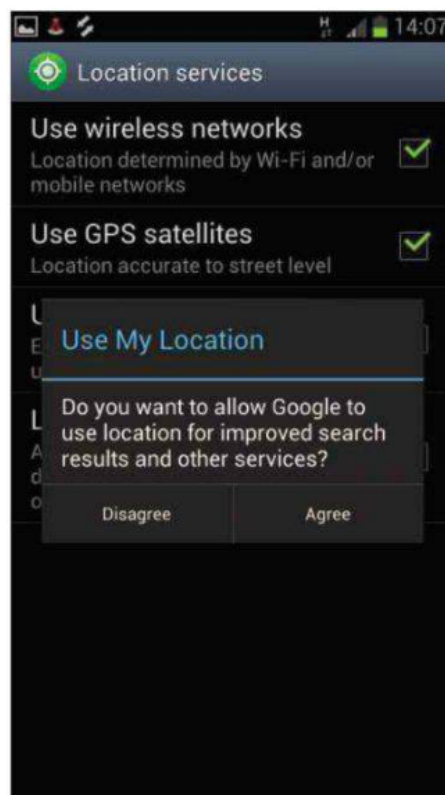
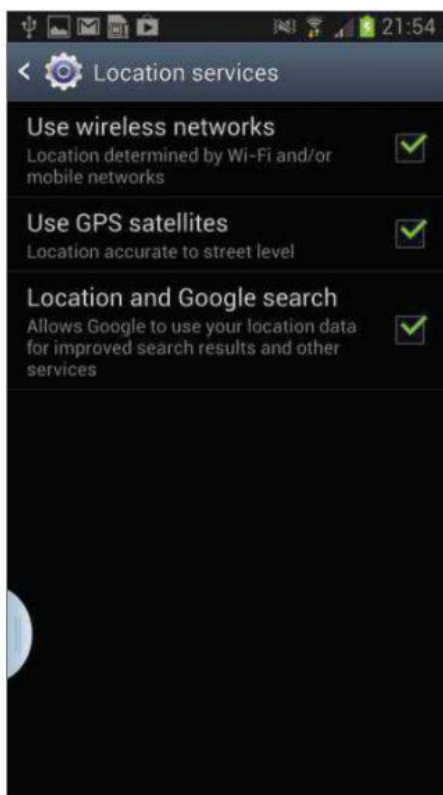
You can also use Google Maps to pinpoint your current location, search for addresses, businesses or points of interest (POI) or to share locations, such as where you are currently or a venue for a meeting with your contacts.

There's also a handy new feature that allows you to cache certain map areas for offline use. This is ideal if you're going on holiday or planning a day trip. It's worth noting though this is limited to simply looking at the map: navigation, local searches and other functions won't work without a data connection.

Other features include a 3D view for certain cities, real-time traffic data, and a layers function so you can switch between regular maps, photographic views, terrain, search results, transport routes and traffic.

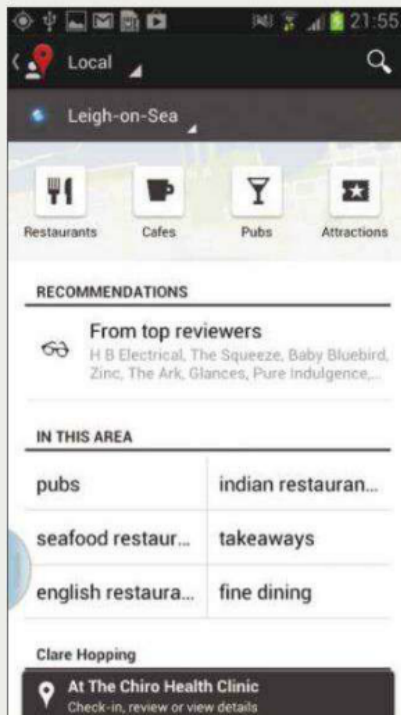
Google Latitude allows you to share your location with friends so that you can check-in to venues and track each other's movements if you so wish. In some areas, Google Street View also allows you to see what locations look like at ground level, which can help you find your bearings when visiting somewhere you haven't been to before.

## How to activate Google Maps on your Samsung Galaxy device



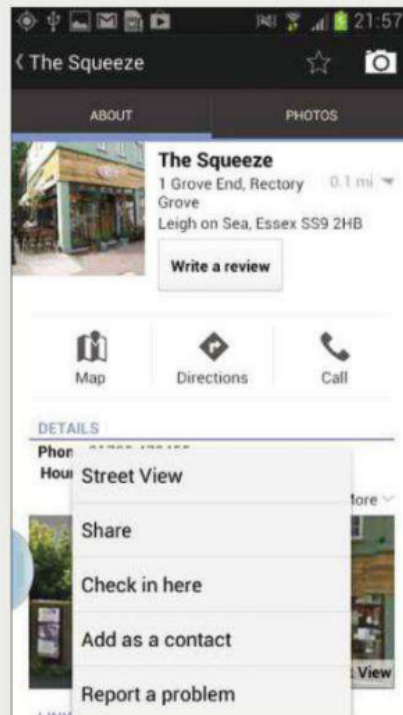
- From the home screen tap the 'Maps' icon. This may already be on the homes screen or within a folder, but you can always find it by going to the App Drawer, which looks like a small grid of dots and is usually located on the icon bar at the bottom of the screen.
- When you first start Google Maps on your Samsung Galaxy device you may see a message that reads: 'Not all location sources are currently enabled. For the fastest and most accurate location detection: Turn on GPS and wireless networks in location settings.'
- You'll then have the option of going straight into the 'Settings' menu to set this up.
- Note that you can independently go into the 'Settings' menu before opening maps to configure location services in advance. To do this tap the 'Settings' icon in the App Drawer and then tap 'Location services'.
- In the Location services menu tick the 'Use GPS' checkbox. You'll get a pop-up notification and in order to proceed you'll need to tap 'Agree'.
- You can also tick the 'Use wireless networks' checkbox to enable Wi-Fi and mobile data networks. But be warned: the latter may incur charges, unless you have an unlimited data plan. To enable this, you'll need to agree to any prompts which pop up.
- You can also tick the 'Location and Google search' box to allow Google to use your location data for improved search results.
- You'll now be able to go back into the Maps app and use its various location services.

## How to find a POI with Google Maps



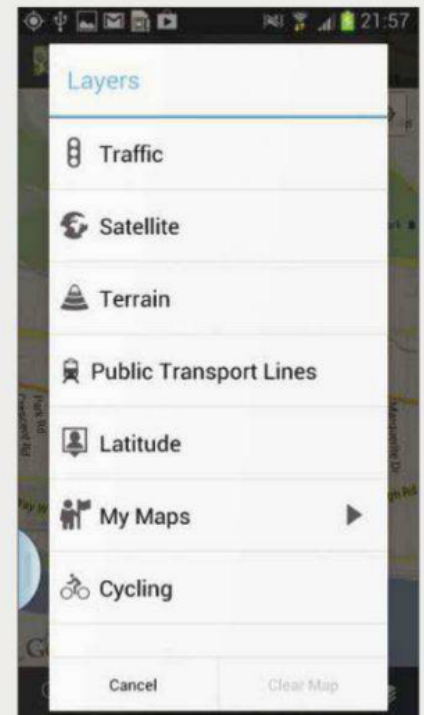
- ➔ To find points of interest in Google Maps, start by tapping the 'Places' icon at the bottom of the screen (it resembles an upside-down teardrop shape).
- ➔ Select the type of POI you want to find from the options, which include restaurants, coffee shops and many others. Google Maps will take a moment to search and then present you with a list.
- ➔ Scroll through to find one you like, then tap on it to be taken to its Maps page.
- ➔ To navigate to the location tap 'Directions' and select from the list of transport methods.
- ➔ You can also tap 'Map' to view the location on the map. From here tapping on the POI name will take you back to its own Maps page.

## How to share your location



- ➔ To share a location, simply tap the menu icon, followed by 'Share'
- ➔ A selection of sharing methods will appear, including Facebook, text messaging and email.
- ➔ You can also share your current location.
- ➔ To do so: Tap on the blue arrow representing your current position, just as you would with a POI.
- ➔ Tap the arrow pointing to the right in the pop-up box.
- ➔ Tap 'Send location to others' and choose an option from the list.

## How to use layers on your Samsung Galaxy



- ➔ To use layers, just tap the layers icon in the top bar (it looks like a stack of cards).
- ➔ From here you can choose from a selection of layer options, including satellite imagery and transport networks.

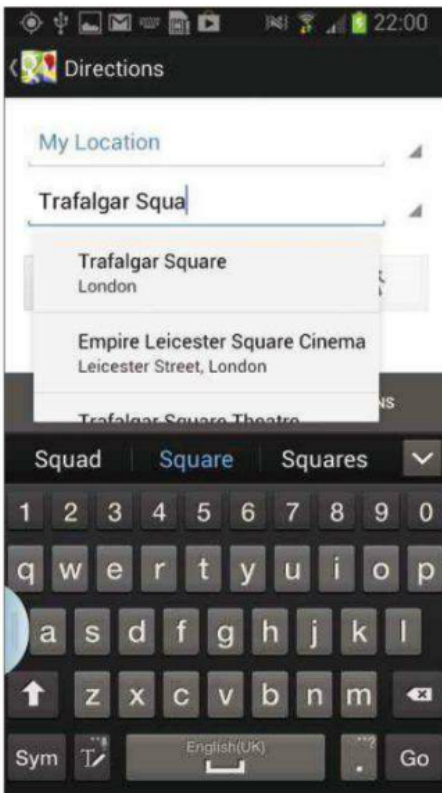
### ❗ A note on offline use:

Google Maps supports limited offline use. It will cache areas on the map you've recently viewed so that they're accessible even without a data connection.

With this in mind, it's recommended that if you're going on holiday, say for example to New York, you spend a bit of time exploring the city on Google Maps before you leave so that it caches the data.

You still won't be able to use navigation or many other services without a data connection - which may prove costly - but you can at least look at the map to get your bearings.

## How to plot a route with Google Maps

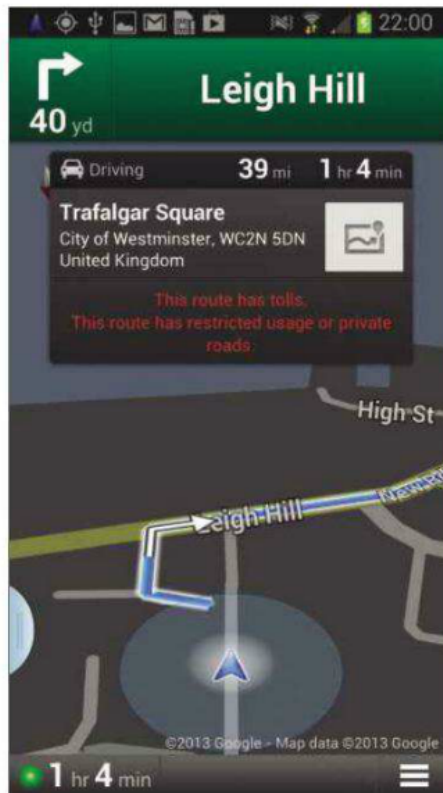


The most basic and frequently used functionality of Google Maps is its turn-by-turn navigation.

Have Google Maps find your current location by pressing the 'Centre on my location' icon (it resembles a dot in the middle of a crosshair). It may take anything from a few seconds to several minutes to find you.

You can either use your current location as a starting point for a route, or you can set one manually with an address, postcode or POI name.

- ➔ The easiest way to plot a route is to tap and hold on a point on the map, such as Trafalgar Square (which you can locate by searching in the search bar or panning across the map manually).



- ➔ The name of the location should pop up, along with an arrow pointing to the right.
- ➔ Tap this arrow then tap the 'Directions' button.
- ➔ From the menu that pops up select from the navigation methods (Driving, Walking etc).
- ➔ You can tap 'Get Directions' to get the route directly within Google Maps or you can tap 'Navigation' to load the Navigation screen with voiced turn-by-turn directions.
- ➔ For an alternative setup, you can tap the 'Directions' button (which resembles a road sign indicating a right turn) to enter details manually.



- ➔ The top bar is your starting point (which, by default, should be set as your current location 'My Location'). Tap here if you want to type an address or postcode, or you can tap the triangular-shaped icon to the right to choose from 'My current location', 'Contacts', 'Point on map' or saved locations under 'My Places'.
- ➔ You may then do the same with the end point bar.
- ➔ Select the transport method from the row of icons (Driving, Walking etc).
- ➔ To finish programming the route and begin navigating, tap either 'Navigation' or 'Get Directions', as outlined above.



ULTIMATE GUIDE TO

# Samsung Galaxy

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- ➔ If you're seeking inspiration for apps, start off by browsing through our 50 must-have applications and games from Google Play
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